

	Gene	baseMean	log2FoldCh	lfcSE	stat	pvalue	padj	Adh_A	Adh_B	Adh_C	Susp_A	Susp_B	Susp_C
14	OLFM4	11425.84	9.605845	0.162528	59.10277	0	0	18.43094	35.58177	34.78657	22444.04	22024.28	23997.9
752	TINAG	245.6462	9.296898	0.746108	12.46053	1.23E-35	4.33E-34	0	2.189647	0	473.2109	474.8826	523.5943
1774	S100A8	101.3059	9.009863	1.057069	8.523438	1.55E-17	2.32E-16	0.542086	0.547412	0	203.1236	226.7457	176.8764
1157	PCSK2	147.3753	8.969103	0.871282	10.29415	7.49E-25	1.72E-23	0	0.547412	1.391463	218.7484	320.8666	342.698
2718	LOC119619	24.38332	8.80018	1.29128	6.815085	9.42E-12	9.21E-11	0	0	0	58.0353	47.06043	41.20416
962	TLR4	141.7974	8.505927	0.762736	11.15186	7.01E-29	1.94E-27	1.084173	0.547412	0.695731	245.534	265.2497	337.6731
3102	LINGO4	27.3629	8.019831	1.277926	6.275663	3.48E-10	2.98E-09	0	0.547412	0	49.10679	49.19955	65.32367
165	LOC119629	445.0497	7.976744	0.373542	21.35436	3.55E-101	5.72E-99	3.794605	3.284471	3.478657	935.2612	797.8883	926.5911
3983	LOC103227	11.85902	7.741729	1.437259	5.386454	7.19E-08	4.80E-07	0	0	0	29.01765	32.08666	10.04979
3993	LOC119627	11.08743	7.652298	1.422354	5.380025	7.45E-08	4.96E-07	0	0	0	26.78552	25.66933	14.06971
78	DTX4	689.7059	7.632218	0.290228	26.29733	2.06E-152	7.01E-150	3.252518	5.474118	13.2189	1415.169	1210.737	1490.385
4154	ZNF552	10.6534	7.598905	1.446306	5.254011	1.49E-07	9.52E-07	0	0	0	15.62489	34.22577	14.06971
4081	SLC51B	10.37827	7.583856	1.427614	5.312261	1.08E-07	7.05E-07	0	0	0	15.62489	23.53022	23.11453
4369	LOC119624	9.998912	7.499648	1.470415	5.10036	3.39E-07	2.06E-06	0	0	0	17.85702	32.08666	10.04979
4620	LOC103229	9.604941	7.434555	1.506173	4.936055	7.97E-07	4.59E-06	0	0	0	33.4819	17.11289	7.034856
4688	F11	9.087373	7.36273	1.505098	4.891862	9.99E-07	5.66E-06	0	0	0	13.39276	32.08666	9.044815
5057	GABRG1	8.962927	7.336224	1.575203	4.657319	3.20E-06	1.68E-05	0	0	0	13.39276	36.36488	4.019918
5091	LPL	8.417387	7.245737	1.563321	4.634837	3.57E-06	1.87E-05	0	0	0	13.39276	32.08666	5.024897
4980	LOC103239	8.25937	7.217483	1.536008	4.698858	2.62E-06	1.40E-05	0	0	0	17.85702	25.66933	6.029877
4963	CYP4B1	8.070348	7.185987	1.52695	4.706105	2.52E-06	1.35E-05	0	0	0	17.85702	23.53022	7.034856
4999	ITGBL1	8.054846	7.184161	1.532171	4.688876	2.75E-06	1.46E-05	0	0	0	15.62489	25.66933	7.034856
5030	LOC103239	7.943337	7.164587	1.533116	4.673218	2.97E-06	1.57E-05	0	0	0	26.78552	12.83466	8.039836
5106	PTPRZ1	7.698327	7.119087	1.539209	4.625159	3.74E-06	1.95E-05	0	0	0	15.62489	23.53022	7.034856
5507	DCN	7.242346	7.023323	1.59318	4.408369	1.04E-05	5.03E-05	0	0	0	22.32127	17.11289	4.019918
5347	TMEM273	7.22082	7.023075	1.564214	4.489841	7.13E-06	3.54E-05	0	0	0	22.32127	14.97377	6.029877
4545	LOC119619	14.14509	7.020664	1.409616	4.98055	6.34E-07	3.71E-06	0	0	0.695731	33.4819	40.6431	10.04979
5246	FAM81B	7.168289	7.019072	1.540988	4.554918	5.24E-06	2.66E-05	0	0	0	17.85702	17.11289	8.039836
5515	MAGEB10	7.21134	7.018101	1.593187	4.40507	1.06E-05	5.10E-05	0	0	0	17.85702	21.39111	4.019918
5605	LOC103239	7.180335	7.013856	1.604529	4.371287	1.24E-05	5.86E-05	0	0	0	13.39276	25.66933	4.019918
2	SYT6	1734.788	6.996363	0.162158	43.14529	0	0	31.44101	24.08612	25.04633	3401.762	3396.908	3529.488
5511	LOC103249	7.006815	6.979101	1.583596	4.407122	1.05E-05	5.05E-05	0	0	0	15.62489	21.39111	5.024897
28	RORC	1056.123	6.97492	0.200571	34.77526	5.75E-265	5.46E-262	16.80468	14.23271	19.48048	2053.557	1942.312	2290.348
4467	DIPK1C	13.51628	6.962877	1.383845	5.031544	4.87E-07	2.90E-06	0	0.547412	0	31.24978	34.22577	15.07469
5306	LOC119624	6.753218	6.950471	1.539683	4.514223	6.35E-06	3.18E-05	0	0	0	15.62489	12.83466	12.05975
359	KCND2	181.2872	6.938544	0.426398	16.27246	1.55E-59	1.15E-57	3.252518	2.189647	3.478657	337.0512	350.8141	390.937
734	FAXDC2	110.3051	6.931597	0.550601	12.58915	2.42E-36	8.78E-35	0.542086	0.547412	4.87012	229.9091	213.9111	212.0507
5626	GPR149	6.597766	6.900418	1.582296	4.361016	1.29E-05	6.12E-05	0	0	0	11.16063	21.39111	7.034856
6063	LOC119629	6.625314	6.898716	1.66627	4.140214	3.47E-05	0.000152	0	0	0	8.928508	27.80844	3.014938
732	CCL2	104.9757	6.877118	0.546133	12.5924	2.37E-36	8.44E-35	0.542086	2.189647	2.782925	209.8199	207.4937	207.0258
5865	LOC103246	6.529309	6.873851	1.623173	4.234825	2.29E-05	0.000104	0	0	0	22.32127	12.83466	4.019918
6054	LOC119620	6.315304	6.825164	1.647736	4.142146	3.44E-05	0.000151	0	0	0	15.62489	19.252	3.014938
6055	LOC103249	6.315304	6.825164	1.647736	4.142146	3.44E-05	0.000151	0	0	0	15.62489	19.252	3.014938
5743	MNDA	6.256751	6.823566	1.586113	4.302067	1.69E-05	7.83E-05	0	0	0	13.39276	17.11289	7.034856
6087	DUX4	6.299801	6.822609	1.65301	4.127385	3.67E-05	0.00016	0	0	0	13.39276	21.39111	3.014938
6088	NLRP8	6.299801	6.822609	1.65301	4.127385	3.67E-05	0.00016	0	0	0	13.39276	21.39111	3.014938
5789	MLANA	6.241248	6.821145	1.593528	4.280531	1.86E-05	8.56E-05	0	0	0	11.16063	19.252	7.034856
1844	LOC103214	44.77034	6.806983	0.81728	8.328831	8.16E-17	1.18E-15	0	0.547412	2.087194	84.82083	87.70354	93.46309
5881	NFILZ	6.092712	6.797297	1.608814	4.225037	2.39E-05	0.000108	0	0	0	20.08914	6.417332	10.04979
6344	HTR3A	6.132305	6.782529	1.691983	4.008628	6.11E-05	0.000256	0	0	0	13.39276	21.39111	2.009959
6046	IL22RA2	6.110779	6.780377	1.635507	4.145734	3.39E-05	0.000149	0	0	0	13.39276	19.252	4.019918
6096	RCVRN	6.095277	6.777986	1.643935	4.123027	3.74E-05	0.000163	0	0	0	11.16063	21.39111	4.019918
5979	PRR9	6.058249	6.776595	1.624215	4.172228	3.02E-05	0.000134	0	0	0	8.928508	21.39111	6.029877
6277	LOC103230	6.064271	6.774172	1.677426	4.038431	5.38E-05	0.000228	0	0	0	6.696381	25.66933	4.019918
3581	LST1	21.68797	6.753314	1.169637	5.773854	7.75E-09	5.75E-08	0	0.547412	0.695731	62.49956	34.22577	32.15934
136	LOC103218	388.014	6.752322	0.295487	22.85149	1.41E-115	2.76E-113	3.252518	6.02153	13.2189	776.7802	752.967	775.8442
6841	LOC103240	5.933803	6.737636	1.772262	3.801717	0.000144	0.000558	0	0	0	8.928508	25.66933	1.004979
6159	LOC119629	5.890752	6.733136	1.64486	4.09344	4.25E-05	0.000183	0	0	0	8.928508	21.39111	5.024897
6267	LOC119618	5.875249	6.731227	1.664746	4.043396	5.27E-05	0.000223	0	0	0	6.696381	23.53022	5.024897
6051	LOC103239	5.646634	6.71065	1.619592	4.143419	3.42E-05	0.00015	0	0	0	13.39276	6.417332	14.06971
3913	IRF6	21.20265	6.705584	1.233649	5.435571	5.46E-08	3.71E-07	0	0.547412	0.695731	40.17829	72.72976	13.06473
6255	ELF5	5.800769	6.703805	1.656311	4.047432	5.18E-05	0.00022	0	0	0	20.08914	10.69555	4.019918
5941	LOC119618	5.674182	6.699599	1.599195	4.189356	2.80E-05	0.000125	0	0	0	11.16063	12.83466	10.04979
6537	LOC119627	5.775786	6.695326	1.705828	3.924971	8.67E-05	0.000353	0	0	0	13.39276	19.252	2.009959
6075	LOC119618	5.732736	6.695119	1.619586	4.133846	3.57E-05	0.000156	0	0	0	13.39276	14.97377	6.029877
6352	LOC119619	5.723255	6.688641	1.669628	4.006067	6.17E-05	0.000258	0	0	0	8.928508	21.39111	4.019918
6281	LOC119619	5.686227	6.687723	1.65653	4.037189	5.41E-05	0.000229	0	0	0	6.696381	21.39111	6.029877
6317	IGFL4	5.611747	6.659907	1.657489	4.018071	5.87E-05	0.000247	0	0	0	20.08914	8.556443	5.024897
6143	NHLH2	5.559216	6.65513	1.623155	4.10012	4.13E-05	0.000179	0	0	0	15.62489	10.69555	7.034856
607	LOC119629	118.4742	6.65307	0.491654	13.53203	1.01E-41	4.43E-40	3.252518	3.284471	0	238.8376	252.4151	213.0556
440	LOC103249	149.606	6.650074	0.437291	15.20742	3.16E-52	1.91E-50	1.626259	2.737059	4.87012	303.5693	265.2497	319.5835
5006	MS4A7	10.64622	6.645385	1.418241	4.685653	2.79E-06	1.48E-05	0	0	0.695731	13.39276	25.66933	24.11951
5510	NOX5	10.91427	6.643303	1.507234	4.407432	1.05E-05	5.05E-05	0	0.547412	0	24.5534	36.36488	4.019918
5219	GADL1	10.76893	6.62232	1.449041	4.570141	4.87E-06	2.48E-05	0	0	0.695731	33.4819	21.39111	9.044815



1230	MIOX	287.6528	6.618252	0.657146	10.0712	7.41E-24	1.60E-22	4.336691	1.642235	11.82743	551.3354	483.439	673.3362
5349	MYH1	10.67272	6.612944	1.472922	4.489676	7.13E-06	3.55E-05	0	0.547412	0	20.08914	36.36488	7.034856
6224	NT5C1B	5.333167	6.612241	1.62672	4.064768	4.81E-05	0.000205	0	0	0	13.39276	8.556443	10.04979
6465	PTN	5.428748	6.608733	1.671778	3.953116	7.71E-05	0.000317	0	0	0	17.85702	10.69555	4.019918
6488	LOC119618	5.382224	6.598537	1.672428	3.945482	7.96E-05	0.000326	0	0	0	11.16063	17.11289	4.019918
6375	LOC119620	5.345212	6.597783	1.65252	3.992559	6.54E-05	0.000273	0	0	0	8.928508	17.11289	6.029877
6	LOC103218	21930.51	6.585508	0.088827	74.13822	0	0	454.8105	466.9423	433.4406	43144.78	41789.67	45293.42
5289	LOC119625	10.40639	6.577078	1.453859	4.523877	6.07E-06	3.05E-05	0	0	0.695731	35.71403	14.97377	11.05477
5221	P2RX7	10.33516	6.570129	1.437807	4.569548	4.89E-06	2.49E-05	0	0.547412	0	29.01765	21.39111	11.05477
6697	LOC119627	5.230246	6.553086	1.698951	3.857136	0.000115	0.000455	0	0	0	13.39276	14.97377	3.014938
6540	LOC103230	5.140687	6.548494	1.668767	3.924151	8.70E-05	0.000354	0	0	0	6.696381	17.11289	7.034856
6574	AGR2	5.177715	6.54812	1.674572	3.910323	9.22E-05	0.000373	0	0	0	8.928508	17.11289	5.024897
6677	LOC119627	5.162212	6.545632	1.692905	3.86651	0.00011	0.00044	0	0	0	6.696381	19.252	5.024897
4172	LOC119620	19.39827	6.54072	1.247114	5.244685	1.57E-07	9.98E-07	0	0	1.391463	33.4819	68.45154	13.06473
6716	CYP4F57	5.056727	6.507212	1.690454	3.849388	0.000118	0.000469	0	0	0	15.62489	10.69555	4.019918
6567	LOC103235	5.019699	6.506324	1.662814	3.912838	9.12E-05	0.000369	0	0	0	13.39276	10.69555	6.029877
6732	LOC103238	5.025721	6.499981	1.691031	3.843798	0.000121	0.000478	0	0	0	11.16063	14.97377	4.019918
6785	LOC103230	4.936163	6.497604	1.699527	3.823183	0.000132	0.000516	0	0	0	4.464254	17.11289	8.039836
6796	FGF20	5.010219	6.497007	1.701105	3.819286	0.000134	0.000524	0	0	0	8.928508	17.11289	4.019918
5390	MTRNR2L5	9.835862	6.493099	1.452976	4.468829	7.86E-06	3.88E-05	0	0	0.695731	29.01765	19.252	10.04979
7050	ECRG4	4.979213	6.492363	1.748775	3.71252	0.000205	0.000774	0	0	0	4.464254	21.39111	4.019918
7032	CHST9	4.89871	6.467386	1.737591	3.722043	0.000198	0.000747	0	0	0	20.08914	4.278221	5.024897
6690	S100A9	4.830677	6.457453	1.673014	3.859772	0.000113	0.000451	0	0	0	13.39276	8.556443	7.034856
5756	GRIN2A	9.581372	6.454649	1.502216	4.296753	1.73E-05	8.00E-05	0	0	0.695731	13.39276	36.36488	7.034856
6769	TTL8	4.852202	6.453164	1.685767	3.82803	0.000129	0.000507	0	0	0	13.39276	10.69555	5.024897
6798	DYTN	4.784169	6.446949	1.688667	3.817774	0.000135	0.000527	0	0	0	6.696381	14.97377	7.034856
7042	CLDN14	4.842722	6.444499	1.734105	3.716327	0.000202	0.000763	0	0	0	8.928508	17.11289	3.014938
5661	LOC103247	9.32735	6.414509	1.477504	4.341451	1.42E-05	6.65E-05	0	0	0.695731	31.24978	14.97377	9.044815
7459	LOC119627	4.752739	6.412021	1.792019	3.578098	0.000346	0.001234	0	0	0	20.08914	6.417332	2.009959
5429	LOC103235	9.145038	6.40843	1.441259	4.446412	8.73E-06	4.28E-05	0	0.547412	0	17.85702	21.39111	15.07469
7117	LOC103227	4.715711	6.40764	1.736406	3.690173	0.000224	0.000837	0	0	0	17.85702	6.417332	4.019918
6836	RBP3	4.61065	6.399479	1.682558	3.803423	0.000143	0.000555	0	0	0	8.928508	10.69555	8.039836
6873	TBX22	4.647678	6.398097	1.689053	3.787979	0.000152	0.000587	0	0	0	11.16063	10.69555	6.029877
6906	LOC119625	4.632175	6.394494	1.694021	3.774743	0.00016	0.000617	0	0	0	8.928508	12.83466	6.029877
7005	LOC119627	4.669203	6.39444	1.7138	3.731148	0.000191	0.000723	0	0	0	11.16063	12.83466	4.019918
7347	LOC103248	4.690728	6.394131	1.767952	3.616688	0.000298	0.00108	0	0	0	11.16063	14.97377	2.009959
7051	OPRK1	4.6537	6.391037	1.721707	3.712036	0.000206	0.000775	0	0	0	8.928508	14.97377	4.019918
7413	INSL4	4.675225	6.390808	1.777643	3.595102	0.000324	0.001163	0	0	0	8.928508	17.11289	2.009959
7169	NLRP11	4.638197	6.388098	1.738522	3.674443	0.000238	0.000884	0	0	0	6.696381	17.11289	4.019918
7363	SOHLH1	4.622695	6.385648	1.767591	3.612628	0.000303	0.001094	0	0	0	4.464254	19.252	4.019918
5547	LOC103226	9.014569	6.378145	1.451955	4.392799	1.12E-05	5.36E-05	0	0.547412	0	20.08914	21.39111	12.05975
5802	FKBP6	8.973196	6.370329	1.491059	4.272351	1.93E-05	8.86E-05	0.542086	0	0	11.16063	32.08666	10.04979
4513	MYH13	16.83744	6.367245	1.272036	5.005552	5.57E-07	3.28E-06	0	0.547412	0.695731	24.5534	64.17332	11.05477
5608	MGAT4C	8.834764	6.349104	1.452903	4.369944	1.24E-05	5.89E-05	0	0	0.695731	17.85702	21.39111	13.06473
7805	LOC119618	4.554237	6.348653	1.832901	3.463718	0.000533	0.001815	0	0	0	15.62489	10.69555	1.004979
7316	LOC119626	4.517209	6.341797	1.747698	3.628658	0.000285	0.001035	0	0	0	13.39276	10.69555	3.014938
7088	LOC119627	4.480181	6.340505	1.712982	3.701444	0.000214	0.000804	0	0	0	11.16063	10.69555	5.024897
7834	LOC119625	4.523232	6.340239	1.834078	3.456907	0.000546	0.001854	0	0	0	11.16063	14.97377	1.004979
4342	RNASE11	16.81309	6.337267	1.23642	5.125497	2.97E-07	1.82E-06	0	0	1.391463	26.78552	55.61688	17.08465
7712	LOC119625	4.41817	6.328266	1.813917	3.488729	0.000485	0.001673	0	0	0	2.232127	19.252	5.024897
7994	CUNH7orf3	4.439695	6.326904	1.852925	3.41455	0.000639	0.002125	0	0	0	2.232127	21.39111	3.014938
4381	UPK3BL2	16.71362	6.32339	1.241708	5.092495	3.53E-07	2.14E-06	0	0	1.391463	33.4819	51.33866	14.06971
5946	LOC103238	8.731844	6.314554	1.507936	4.187547	2.82E-05	0.000126	0	0	0.695731	17.85702	27.80844	6.029877
6189	SLC30A8	8.608085	6.308879	1.546434	4.07963	4.51E-05	0.000194	0	0.547412	0	6.696381	36.36488	8.039836
8889	CUNH21orf	4.38674	6.299335	2.001616	3.147125	0.001649	0.004931	0	0	0	15.62489	10.69555	0
7696	SLCO6A1	4.365215	6.288652	1.799578	3.494514	0.000475	0.00164	0	0	0	15.62489	8.556443	2.009959
7697	LOC103217	4.365215	6.288652	1.799578	3.494514	0.000475	0.00164	0	0	0	15.62489	8.556443	2.009959
6064	INSYN2B	8.595353	6.288472	1.519004	4.139864	3.48E-05	0.000152	0	0	0.695731	22.32127	23.53022	5.024897
7258	LOC103227	4.291159	6.285423	1.722071	3.649922	0.000262	0.000961	0	0	0	11.16063	8.556443	6.029877
7401	LOC119627	4.328187	6.285268	1.745944	3.599925	0.000318	0.001143	0	0	0	13.39276	8.556443	4.019918
7396	DMRT3	4.2016	6.284115	1.745045	3.60112	0.000317	0.001139	0	0	0	4.464254	10.69555	10.04979
7417	TMCO5A	4.297182	6.276924	1.746963	3.593049	0.000327	0.001171	0	0	0	8.928508	12.83466	4.019918
7726	LOC103234	4.318707	6.275783	1.801415	3.483807	0.000494	0.001701	0	0	0	8.928508	14.97377	2.009959
7497	LOC103247	4.244651	6.27418	1.761618	3.5616	0.000369	0.001307	0	0	0	4.464254	14.97377	6.029877
7498	LOC119625	4.244651	6.27418	1.761618	3.5616	0.000369	0.001307	0	0	0	4.464254	14.97377	6.029877
7500	LOC119625	4.281679	6.273514	1.761827	3.560801	0.00037	0.001311	0	0	0	6.696381	14.97377	4.019918
7671	LOC119625	4.266176	6.270628	1.790016	3.503114	0.00046	0.001594	0	0	0	4.464254	17.11289	4.019918
8057	LOC103227	4.287701	6.269824	1.84562	3.397137	0.000681	0.002247	0	0	0	4.464254	19.252	2.009959
4477	XIRP2	15.702	6.263699	1.246445	5.025249	5.03E-07	2.99E-06	0.542086	0	0.695731	42.41041	38.50399	12.05975
8297	LOC119625	4.213221	6.235845	1.881771	3.313818	0.00092	0.002949	0	0	0	17.85702	6.417332	1.004979
7461	LOC103215	4.065109	6.230311	1.741621	3.577306	0.000347	0.001237	0	0	0	8.928508	6.417332	9.044815
8234	LOC119626	4.197718	6.230242	1.867639	3.335892	0.00085	0.002745	0	0	0	15.62489	8.556443	1.004979
7780	LOC103247	4.176193	6.229064	1.794903	3.470417	0.00052	0.001776	0	0	0	15.62489	6.417332	3.014938
7468	LOC119627	4.049606	6.226095	1.74226	3.573574	0.000352	0.001254	0	0	0	6.696381	8.556443	9.044815



7439	LOC103214	4.086634	6.224301	1.736042	3.585534	0.000337	0.001203	0	0	0	8.928508	8.556443	7.034856
8222	LOC119627	4.166713	6.220665	1.862239	3.340423	0.000837	0.002705	0	0	0	11.16063	12.83466	1.004979
7488	LOC103235	4.071132	6.22016	1.743751	3.567115	0.000361	0.001281	0	0	0	6.696381	10.69555	7.034856
8264	LOC103235	4.15121	6.216583	1.869849	3.324645	0.000885	0.002848	0	0	0	8.928508	14.97377	1.004979
4530	LOC119618	15.11084	6.207831	1.242904	4.994616	5.90E-07	3.46E-06	0	0.547412	0.695731	35.71403	40.6431	13.06473
6191	DBH	8.065315	6.196574	1.519069	4.079191	4.52E-05	0.000194	0	0	0.695731	24.5534	17.11289	6.029877
6952	RGS1	7.940869	6.171408	1.643453	3.755146	0.000173	0.000662	0	0	0.695731	24.5534	21.39111	1.004979
9326	LOC119624	4.014719	6.170697	2.04041	3.024243	0.002493	0.007105	0	0	0	13.39276	10.69555	0
8039	TMEM176	3.987171	6.168855	1.813412	3.401795	0.000669	0.002214	0	0	0	15.62489	4.278221	4.019918
7843	LOC103236	3.845082	6.161758	1.783464	3.454939	0.00055	0.001866	0	0	0	4.464254	8.556443	10.04979
9406	LOC119620	3.983714	6.16119	2.04968	3.005927	0.002648	0.007483	0	0	0	8.928508	14.97377	0
7673	CAPN13	3.919138	6.158747	1.758937	3.501403	0.000463	0.001604	0	0	0	8.928508	8.556443	6.029877
4427	LOC119627	14.48522	6.158198	1.217277	5.058995	4.21E-07	2.53E-06	0	0.547412	0.695731	33.4819	32.08666	20.09959
6090	LOC103235	7.731009	6.157857	1.492126	4.126901	3.68E-05	0.000161	0	0.547412	0	13.39276	21.39111	11.05477
7837	FRG2	3.866607	6.156118	1.781056	3.456442	0.000547	0.001857	0	0	0	4.464254	10.69555	8.039836
6134	CLEC10A	7.740226	6.156001	1.500533	4.102544	4.09E-05	0.000177	0	0	0.695731	11.16063	23.53022	11.05477
6373	LOC119628	7.8102	6.154942	1.541387	3.99312	6.52E-05	0.000272	0.542086	0	0	15.62489	25.66933	5.024897
7728	CYP8B1	3.903635	6.154466	1.766731	3.483533	0.000495	0.001702	0	0	0	6.696381	10.69555	6.029877
6411	LOC119625	7.820305	6.153213	1.548116	3.974647	7.05E-05	0.000292	0	0	0.695731	13.39276	27.80844	5.024897
8161	LOC103235	3.962188	6.151037	1.830142	3.360962	0.000777	0.00253	0	0	0	8.928508	12.83466	2.009959
7913	LOC103246	3.92516	6.149326	1.790497	3.434425	0.000594	0.001995	0	0	0	6.696381	12.83466	4.019918
8244	TASL	3.946686	6.147264	1.844645	3.332493	0.000861	0.002776	0	0	0	6.696381	14.97377	2.009959
8096	LOC119627	3.909658	6.145906	1.817133	3.382199	0.000719	0.002361	0	0	0	4.464254	14.97377	4.019918
362	KCND3	169.0222	6.131888	0.377424	16.24668	2.36E-59	1.73E-57	1.084173	5.474118	8.348776	319.1942	327.2839	352.7478
6212	LOC103248	7.514176	6.125635	1.505742	4.068183	4.74E-05	0.000203	0	0	0.695731	8.928508	21.39111	14.06971
6360	LY6K	7.622066	6.121102	1.530431	3.999593	6.35E-05	0.000265	0	0.547412	0	15.62489	23.53022	6.029877
6361	DCAF4L2	7.622066	6.121102	1.530431	3.999593	6.35E-05	0.000265	0	0.547412	0	15.62489	23.53022	6.029877
6336	KCNJ3	7.47353	6.100077	1.520893	4.010853	6.05E-05	0.000254	0	0.547412	0	24.5534	10.69555	9.044815
8679	LOC103235	3.825697	6.095769	1.899838	3.208573	0.001334	0.004086	0	0	0	13.39276	8.556443	1.004979
8226	FCRL3	3.804172	6.095558	1.825646	3.33885	0.000841	0.002719	0	0	0	13.39276	6.417332	3.014938
8006	SLN	3.751641	6.090171	1.785823	3.410288	0.000649	0.002155	0	0	0	8.928508	8.556443	5.024897
8171	LOC103235	3.788669	6.090095	1.815241	3.354979	0.000794	0.002582	0	0	0	11.16063	8.556443	3.014938
8362	OLIG1	3.662083	6.087808	1.847929	3.294394	0.000986	0.003136	0	0	0	2.232127	10.69555	9.044815
8110	LOC103225	3.699111	6.087492	1.8002819	3.376652	0.000734	0.002405	0	0	0	4.464254	10.69555	7.034856
8067	AKNAD1	3.736139	6.085727	1.793691	3.392852	0.000692	0.002279	0	0	0	6.696381	10.69555	5.024897
8068	KCNS2	3.736139	6.085727	1.793691	3.392852	0.000692	0.002279	0	0	0	6.696381	10.69555	5.024897
8069	LOC119627	3.736139	6.085727	1.793691	3.392852	0.000692	0.002279	0	0	0	6.696381	10.69555	5.024897
8187	LOC119627	3.773167	6.085321	1.816038	3.350879	0.000806	0.002616	0	0	0	8.928508	10.69555	3.014938
8188	CLEC4D	3.773167	6.085321	1.816038	3.350879	0.000806	0.002616	0	0	0	8.928508	10.69555	3.014938
6550	LOC119627	7.411256	6.082138	1.551763	3.919501	8.87E-05	0.00036	0	0	0.695731	8.928508	27.80844	7.034856
8954	LOC119619	3.763686	6.078264	1.942073	3.129781	0.001749	0.005193	0	0	0	4.464254	17.11289	1.004979
8955	LOC119627	3.763686	6.078264	1.942073	3.129781	0.001749	0.005193	0	0	0	4.464254	17.11289	1.004979
8416	LOC119615	3.742161	6.077659	1.854419	3.277393	0.001048	0.00331	0	0	0	4.464254	14.97377	3.014938
8755	PSKH2	3.726658	6.075044	1.906716	3.18613	0.001442	0.004377	0	0	0	2.232127	17.11289	3.014938
8756	SERTM2	3.726658	6.075044	1.906716	3.18613	0.001442	0.004377	0	0	0	2.232127	17.11289	3.014938
7927	PNLIPRP1	7.330123	6.064898	1.767694	3.430966	0.000601	0.002017	0	0.547412	0	15.62489	27.80844	0
6452	GRHL2	7.330753	6.064027	1.531527	3.959465	7.51E-05	0.00031	0	0	0.695731	24.5534	10.69555	8.039836
5078	RAB17	13.12655	6.038063	1.300195	4.643968	3.42E-06	1.79E-05	0	1.094824	0	31.24978	36.36488	10.04979
8788	AQP10	3.652178	6.032355	1.898464	3.177492	0.001486	0.004494	0	0	0	15.62489	4.278221	2.009959
9870	LOC119618	3.642698	6.029703	2.087569	2.888385	0.003872	0.010428	0	0	0	11.16063	10.69555	0
9871	CCDC185	3.642698	6.029703	2.087569	2.888385	0.003872	0.010428	0	0	0	11.16063	10.69555	0
9872	KRT34	3.642698	6.029703	2.087569	2.888385	0.003872	0.010428	0	0	0	11.16063	10.69555	0
8460	TACR3	3.61515	6.029678	1.846666	3.26517	0.001094	0.003438	0	0	0	13.39276	4.278221	4.019918
8658	LOC103248	3.636675	6.025661	1.874733	3.214144	0.001308	0.004017	0	0	0	13.39276	6.417332	2.009959
8659	OPRPN	3.636675	6.025661	1.874733	3.214144	0.001308	0.004017	0	0	0	13.39276	6.417332	2.009959
8240	SPATA21	3.562619	6.024933	1.806644	3.334876	0.000853	0.002753	0	0	0	8.928508	6.417332	6.029877
9933	CGAS	3.627195	6.024512	2.093097	2.878276	0.003999	0.010701	0	0	0	8.928508	12.83466	0
6436	KLRD1	6.968636	6.023344	1.518761	3.96596	7.31E-05	0.000302	0	0	0.695731	8.928508	17.11289	15.07469
6511	LOC103228	7.132251	6.020886	1.53033	3.93437	8.34E-05	0.000341	0	0	0.695731	20.08914	14.97377	7.034856
8249	SOX17	3.547117	6.020061	1.807573	3.330465	0.000867	0.002794	0	0	0	6.696381	8.556443	6.029877
1797	LOC119625	43.93032	6.017214	0.711175	8.460948	2.65E-17	3.92E-16	3.252518	0.547412	0	60.26743	91.98176	107.5328
10191	HPGDS	3.59619	6.015456	2.135218	2.817256	0.004844	0.012635	0	0	0	4.464254	17.11289	0
4913	SCARA5	12.87897	6.014946	1.269629	4.737561	2.16E-06	1.17E-05	0	1.094824	0	29.01765	32.08666	15.07469
6565	LOC103222	7.060135	6.013752	1.536187	3.914726	9.05E-05	0.000367	0.542086	0	0	13.39276	21.39111	7.034856
6592	LOC119628	7.033212	6.012497	1.540005	3.904206	9.45E-05	0.000381	0	0	0.695731	8.928508	23.53022	9.044815
8703	LOC103238	3.590167	6.010393	1.877626	3.20106	0.001369	0.004182	0	0	0	6.696381	12.83466	2.009959
8704	LOC103247	3.590167	6.010393	1.877626	3.20106	0.001369	0.004182	0	0	0	6.696381	12.83466	2.009959
8525	DDX53	3.553139	6.009674	1.850486	3.247619	0.001164	0.003629	0	0	0	4.464254	12.83466	4.019918
6853	KLHL40	7.076263	6.009363	1.583827	3.794204	0.000148	0.000575	0	0	0.695731	8.928508	27.80844	5.024897
8850	LOC119618	3.537637	6.006298	1.90261	3.156873	0.001595	0.00479	0	0	0	2.232127	14.97377	4.019918
9855	TD RD15	3.522134	6.005058	2.076615	2.891753	0.003831	0.010335	0	0	0	0	17.11289	4.019918
9136	DSG4	3.559162	6.004038	1.955195	3.070813	0.002135	0.006212	0	0	0	2.232127	17.11289	2.009959
7138	LOC119620	6.992302	5.982579	1.623976	3.683908	0.00023	0.000855	0	0	0.695731	17.85702	21.39111	2.009959
5275	CSMD1	13.37103	5.97751	1.318027	4.535196	5.76E-06	2.90E-05	0	0	1.391463	29.01765	42.78221	7.034856



6894	ACP3	6.939771	5.97537	1.581723	3.77776	0.000158	0.00061	0	0	0.695731	13.39276	23.53022	4.019918	
6766	LOC119618	6.902743	5.973818	1.559503	3.830592	0.000128	0.000502	0	0	0.695731	11.16063	23.53022	6.029877	
8533	LOC103214	3.358095	5.951596	1.833755	3.245579	0.001172	0.003652	0	0	0	6.696381	6.417332	7.034856	
6613	TMEM275	6.717179	5.951337	1.526663	3.898265	9.69E-05	0.000389	0	0	0.695731	17.85702	10.69555	11.05477	
8548	CFHR2	3.395123	5.949431	1.835691	3.240977	0.001191	0.003705	0	0	0	8.928508	6.417332	5.024897	
9151	LOC119626	3.453676	5.947845	1.939654	3.066447	0.002166	0.006292	0	0	0	11.16063	8.556443	1.004979	
9152	LOC119627	3.453676	5.947845	1.939654	3.066447	0.002166	0.006292	0	0	0	11.16063	8.556443	1.004979	
9153	LOC103245	3.453676	5.947845	1.939654	3.066447	0.002166	0.006292	0	0	0	11.16063	8.556443	1.004979	
8634	LOC103247	3.342592	5.9464	1.847283	3.218998	0.001286	0.003961	0	0	0	4.464254	8.556443	7.034856	
6694	LOC119620	6.76023	5.943644	1.540326	3.858692	0.000114	0.000453	0	0	0.695731	17.85702	14.97377	7.034856	
8715	CELA3B	3.416648	5.943239	1.858246	3.198306	0.001382	0.004216	0	0	0	8.928508	8.556443	3.014938	
8717	SELE	3.416648	5.943239	1.858246	3.198306	0.001382	0.004216	0	0	0	8.928508	8.556443	3.014938	
9173	APOD	3.438173	5.942415	1.940808	3.061825	0.0022	0.006374	0	0	0	8.928508	10.69555	1.004979	
9174	IQCF6	3.438173	5.942415	1.940808	3.061825	0.0022	0.006374	0	0	0	8.928508	10.69555	1.004979	
9175	LOC119620	3.438173	5.942415	1.940808	3.061825	0.0022	0.006374	0	0	0	8.928508	10.69555	1.004979	
9176	KLRB1	3.438173	5.942415	1.940808	3.061825	0.0022	0.006374	0	0	0	8.928508	10.69555	1.004979	
6834	SULT2A1	6.781755	5.941784	1.561897	3.804211	0.000142	0.000553	0	0	0.695731	17.85702	17.11289	5.024897	
9259	TYRP1	3.422671	5.937645	1.952613	3.040871	0.002359	0.006771	0	0	0	6.696381	12.83466	1.004979	
9260	LOC103227	3.422671	5.937645	1.952613	3.040871	0.002359	0.006771	0	0	0	6.696381	12.83466	1.004979	
9261	PLA2G12B	3.422671	5.937645	1.952613	3.040871	0.002359	0.006771	0	0	0	6.696381	12.83466	1.004979	
9262	LOC103235	3.422671	5.937645	1.952613	3.040871	0.002359	0.006771	0	0	0	6.696381	12.83466	1.004979	
6881	LOC103247	6.75075	5.936971	1.568545	3.785018	0.000154	0.000594	0	0	0.695731	13.39276	21.39111	5.024897	
9019	ADAMDEC	3.348615	5.935199	1.908122	3.110492	0.001868	0.005506	0	0	0	2.232127	12.83466	5.024897	
9983	CRH	3.311587	5.934099	2.070711	2.865731	0.00416	0.011079	0	0	0	0	12.83466	7.034856	
4889	ADAM18	12.43928	5.912476	1.245191	4.748249	2.05E-06	1.12E-05	0	0	1.391463	22.32127	27.80844	23.11453	
6733	LOC119625	6.503174	5.902808	1.535979	3.843026	0.000122	0.00048	0	0	0.695731	11.16063	17.11289	10.04979	
6773	LOC103224	6.514595	5.901298	1.541991	3.827064	0.00013	0.000509	0.542086	0	0	0	13.39276	17.11289	8.039836
6767	BFSP2	6.540202	5.901233	1.541006	3.829467	0.000128	0.000505	0	0	0.695731	13.39276	17.11289	8.039836	
7033	LOC103235	6.598756	5.899899	1.585102	3.722093	0.000198	0.000747	0	0	0.695731	15.62489	19.252	4.019918	
6815	LOC103238	6.5247	5.898954	1.547856	3.811048	0.000138	0.00054	0	0	0.695731	11.16063	19.252	8.039836	
7617	ISX	6.459494	5.891242	1.673342	3.520644	0.000431	0.001502	0	0.547412	0	2.232127	29.94755	6.029877	
9587	LOC103237	3.29566	5.8862	1.985774	2.964184	0.003035	0.008416	0	0	0	15.62489	2.139111	2.009959	
10549	LOC103227	3.301682	5.886158	2.152776	2.734218	0.006253	0.015757	0	0	0	13.39276	6.417332	0	
10550	NTSR2	3.301682	5.886158	2.152776	2.734218	0.006253	0.015757	0	0	0	13.39276	6.417332	0	
9277	PRSS48	3.258632	5.883403	1.9365	3.038163	0.00238	0.00682	0	0	0	13.39276	2.139111	4.019918	
10511	SUN5	3.28618	5.879684	2.144181	2.742158	0.006104	0.015438	0	0	0	11.16063	8.556443	0	
8949	LOC103215	3.169073	5.879326	1.877076	3.132173	0.001735	0.005155	0	0	0	6.696381	4.278221	8.039836	
9295	LOC119625	3.280157	5.877705	1.937495	3.033662	0.002416	0.00691	0	0	0	13.39276	4.278221	2.009959	
9296	LOC103248	3.280157	5.877705	1.937495	3.033662	0.002416	0.00691	0	0	0	13.39276	4.278221	2.009959	
6950	SMOC2	6.376163	5.876979	1.565004	3.755248	0.000173	0.000662	0	0	0.695731	20.08914	6.417332	11.05477	
3933	LOC119625	18.24643	5.872193	1.083856	5.417873	6.03E-08	4.08E-07	0	0.547412	1.391463	35.71403	57.75599	14.06971	
8858	LRRTM3	3.190598	5.871995	1.861252	3.154864	0.001606	0.004819	0	0	0	6.696381	6.417332	6.029877	
8859	LOC119627	3.190598	5.871995	1.861252	3.154864	0.001606	0.004819	0	0	0	6.696381	6.417332	6.029877	
9159	LOC119624	3.264654	5.870746	1.916365	3.063479	0.002188	0.00635	0	0	0	11.16063	6.417332	2.009959	
8925	LOC119620	3.227626	5.869896	1.870453	3.138222	0.0017	0.005063	0	0	0	8.928508	6.417332	4.019918	
8959	LOC119627	3.175096	5.866629	1.874998	3.128872	0.001755	0.005207	0	0	0	4.464254	8.556443	6.029877	
6911	MOG	6.403711	5.865219	1.554744	3.772466	0.000162	0.000622	0	0	0.695731	17.85702	12.83466	7.034856	
9138	LOC103235	3.249152	5.86474	1.910899	3.0691	0.002147	0.006246	0	0	0	8.928508	8.556443	2.009959	
9139	CLEC12A	3.249152	5.86474	1.910899	3.0691	0.002147	0.006246	0	0	0	8.928508	8.556443	2.009959	
8944	LOC119627	3.212124	5.864437	1.871669	3.133266	0.001729	0.005138	0	0	0	6.696381	8.556443	4.019918	
398	GPIHBP1	139.8037	5.863908	0.373137	15.71518	1.19E-55	7.95E-54	2.710432	5.474118	6.261582	272.3195	271.6671	280.3893	
10733	ANKRD53	3.239671	5.863328	2.184359	2.684233	0.00727	0.018003	0	0	0	4.464254	14.97377	0	
7819	FREM3	6.437282	5.862284	1.693785	3.461056	0.000538	0.001829	0	0	0.695731	13.39276	23.53022	1.004979	
6867	LOC119618	6.335678	5.860922	1.546649	3.789433	0.000151	0.000584	0	0	0.695731	11.16063	17.11289	9.044815	
9049	LOC119628	3.196621	5.859578	1.892243	3.096663	0.001957	0.00575	0	0	0	4.464254	10.69555	4.019918	
9205	GPR20	3.233649	5.859536	1.918853	3.053666	0.002261	0.006526	0	0	0	6.696381	10.69555	2.009959	
9207	LOC103225	3.233649	5.859536	1.918853	3.053666	0.002261	0.006526	0	0	0	6.696381	10.69555	2.009959	
9208	LOC103230	3.233649	5.859536	1.918853	3.053666	0.002261	0.006526	0	0	0	6.696381	10.69555	2.009959	
11044	IL26	3.224169	5.859365	2.238005	2.618119	0.008842	0.021283	0	0	0	2.232127	17.11289	0	
9371	LOC103214	3.218146	5.855117	1.942616	3.014037	0.002578	0.007313	0	0	0	4.464254	12.83466	2.009959	
9372	LOC103244	3.218146	5.855117	1.942616	3.014037	0.002578	0.007313	0	0	0	4.464254	12.83466	2.009959	
172	SUCNR1	257.4266	5.84657	0.276496	21.14523	3.05E-99	4.72E-97	9.757555	8.211177	8.348776	499.9964	502.691	515.5545	
5125	TMEM244	11.66664	5.832776	1.263517	4.616301	3.91E-06	2.03E-05	0	0.547412	0.695731	29.01765	25.66933	14.06971	
5526	ABC85	11.37496	5.829877	1.324664	4.401022	1.08E-05	5.18E-05	0	1.094824	0	35.71403	21.39111	10.04979	
5222	SLAMF7	11.65716	5.827897	1.275407	4.569439	4.89E-06	2.49E-05	0	0.547412	0.695731	24.5534	32.08666	12.05975	
3385	COL6A6	23.79716	5.827198	0.978339	5.956217	2.58E-09	2.03E-08	0	0.547412	2.087194	51.33892	72.72976	16.07967	
7276	LOC119627	6.273243	5.824391	1.599837	3.640616	0.000272	0.000994	0	0	0.695731	20.08914	12.83466	4.019918	
7049	LOC119625	6.094125	5.821559	1.568081	3.712537	0.000205	0.000774	0	0	0.695731	6.696381	17.11289	12.05975	
7265	LOC119620	6.25774	5.821044	1.596183	3.646851	0.000265	0.000971	0	0	0.695731	17.85702	14.97377	4.019918	
2503	LOC103225	29.20455	5.820255	0.816748	7.126134	1.03E-12	1.10E-11	0	0.547412	2.782925	62.49956	64.17332	45.22408	
5407	CDH9	11.27592	5.820229	1.304917	4.460228	8.19E-06	4.03E-05	0	1.094824	0	24.5534	29.94755	12.05975	
6999	LOC103224	6.168181	5.817861	1.55878	3.732317	0.00019	0.000721	0	0	0.695731	11.16063	17.11289	8.039836	
7616	LOC119627	6.24826	5.81725	1.6522	3.520911	0.00043	0.001501	0	0	0.695731	13.39276	21.39111	2.009959	
7431	SLC2A7	6.195729	5.811246	1.620252	3.58663	0.000335	0.001198	0	0	0.695731	8.928508	23.53022	4.019918	



9939	FOX12	3.11266	5.797316	2.015065	2.876987	0.004015	0.010738	0	0	0	13.39276	4.278221	1.004979
9940	LOC103225	3.11266	5.797316	2.015065	2.876987	0.004015	0.010738	0	0	0	13.39276	4.278221	1.004979
5336	TAFAS	11.74389	5.796749	1.288666	4.498255	6.85E-06	3.41E-05	0	0	1.391463	33.4819	23.53022	12.05975
9435	LOC119618	3.075632	5.792777	1.931237	2.999516	0.002704	0.007618	0	0	0	11.16063	4.278221	3.014938
9436	LOC103235	3.075632	5.792777	1.931237	2.999516	0.002704	0.007618	0	0	0	11.16063	4.278221	3.014938
7493	AARD	6.115226	5.791584	1.625362	3.563258	0.000366	0.0013	0	0	0.695731	24.5534	6.417332	5.024897
9813	LOC103225	3.097158	5.789913	1.994998	2.902215	0.003705	0.010038	0	0	0	11.16063	6.417332	1.004979
9191	LOC119618	3.023102	5.787715	1.893441	3.056718	0.002238	0.006472	0	0	0	6.696381	6.417332	5.024897
9192	LOC103247	3.023102	5.787715	1.893441	3.056718	0.002238	0.006472	0	0	0	6.696381	6.417332	5.024897
7562	LOC103235	6.096529	5.786133	1.635698	3.537409	0.000404	0.001421	0	0.547412	0	22.32127	10.69555	3.014938
9329	FABP2	3.06013	5.786047	1.913507	3.023792	0.002496	0.007113	0	0	0	8.928508	6.417332	3.014938
9330	LOC103225	3.06013	5.786047	1.913507	3.023792	0.002496	0.007113	0	0	0	8.928508	6.417332	3.014938
9789	MFS06L	3.081655	5.783487	1.990141	2.906069	0.00366	0.00994	0	0	0	8.928508	8.556443	1.004979
9350	LOC103247	3.044627	5.780226	1.914915	3.018529	0.00254	0.007221	0	0	0	6.696381	8.556443	3.014938
9351	IDO2	3.044627	5.780226	1.914915	3.018529	0.00254	0.007221	0	0	0	6.696381	8.556443	3.014938
9853	REG3G	3.066152	5.777848	1.998005	2.891809	0.00383	0.010334	0	0	0	6.696381	10.69555	1.004979
9854	KLHL6	3.066152	5.777848	1.998005	2.891809	0.00383	0.010334	0	0	0	6.696381	10.69555	1.004979
7292	LOC119618	6.028495	5.776168	1.588136	3.637074	0.000276	0.001005	0	0.547412	0	15.62489	14.97377	5.024897
9500	FOXR1	3.029124	5.775185	1.935536	2.983765	0.002847	0.007967	0	0	0	4.464254	10.69555	3.014938
9501	PGLYRP2	3.029124	5.775185	1.935536	2.983765	0.002847	0.007967	0	0	0	4.464254	10.69555	3.014938
7313	LOC103225	6.012105	5.773351	1.590445	3.630022	0.000283	0.00103	0.542086	0	0	13.39276	17.11289	5.024897
7536	IL10	6.059238	5.772854	1.627385	3.547318	0.000389	0.001373	0	0	0.695731	13.39276	19.252	3.014938
10702	ZNF804A	2.976594	5.771929	2.144523	2.691474	0.007114	0.017671	0	0	0	0	12.83466	5.024897
9793	PMP2	3.013622	5.771044	1.986288	2.905442	0.003667	0.009954	0	0	0	2.232127	12.83466	3.014938
9795	ERP27	3.013622	5.771044	1.986288	2.905442	0.003667	0.009954	0	0	0	2.232127	12.83466	3.014938
7352	CCKBR	6.02221	5.770793	1.595981	3.615829	0.000299	0.001083	0	0	0.695731	11.16063	19.252	5.024897
10316	LOC119625	3.035147	5.769398	2.071401	2.785264	0.005348	0.013784	0	0	0	2.232127	14.97377	1.004979
5502	ADGB	11.03411	5.752749	1.304626	4.4095	1.04E-05	5.01E-05	0	0.547412	0.695731	13.39276	38.50399	13.06473
3378	CSMD3	22.90175	5.750838	0.964422	5.96299	2.48E-09	1.95E-08	0	0	2.782925	58.0353	53.47777	23.11453
3988	RD3	16.97901	5.746076	1.067542	5.382529	7.34E-08	4.90E-07	0	0	2.087194	40.17829	38.50399	21.10457
7506	LOC103247	5.901222	5.734862	1.611626	3.558432	0.000373	0.001321	0	0	0.695731	17.85702	12.83466	4.019918
7330	ICAM4	5.79616	5.729533	1.581533	3.622773	0.000291	0.001057	0	0	0.695731	8.928508	17.11289	8.039836
1451	SULT1C2	5.48577	5.728027	0.611893	9.361162	7.89E-21	1.44E-19	0	1.094824	5.565851	100.4457	115.512	106.5278
5717	GLP2R	10.59991	5.727509	1.326833	4.316676	1.58E-05	7.37E-05	0	1.094824	0	26.78552	25.66933	10.04979
5876	CA8	10.57493	5.724815	1.354029	4.227984	2.36E-05	0.000107	0	1.094824	0	20.08914	34.22577	8.039836
450	LOC119625	131.6532	5.724753	0.379313	15.09242	1.82E-51	1.07E-49	7.589209	2.737059	4.174388	276.7837	252.4151	246.22
7958	LOC103235	5.749652	5.723149	1.671994	3.422949	0.000619	0.002069	0	0	0.695731	2.232127	23.53022	8.039836
5653	LOC103247	11.2414	5.722947	1.316982	4.345501	1.39E-05	6.53E-05	0	0	1.391463	33.4819	23.53022	9.044815
5437	TACSTD2	11.13634	5.722769	1.287614	4.444475	8.81E-06	4.31E-05	0	0	1.391463	24.5534	27.80844	13.06473
11301	LOC103235	2.945164	5.720283	2.235414	2.558936	0.010499	0.024699	0	0	0	13.39276	4.278221	0
5421	LTB	10.80161	5.717903	1.28465	4.450942	8.55E-06	4.19E-05	0	0.547412	0.695731	31.24978	19.252	13.06473
5898	CAMK4	11.15441	5.706361	1.353915	4.214711	2.50E-05	0.000113	0	0	1.391463	17.85702	40.6431	7.034856
9850	LOC103247	2.892633	5.697721	1.969906	2.892382	0.003823	0.010319	0	0	0	8.928508	6.417332	2.009959
3946	LOC103225	15.58914	5.694448	1.052447	5.410674	6.28E-08	4.23E-07	1.084173	0	0.695731	37.94616	25.66933	28.13943
9715	LOC119625	2.840102	5.692436	1.946011	2.925181	0.003443	0.009419	0	0	0	4.464254	8.556443	4.019918
9716	LOC119625	2.840102	5.692436	1.946011	2.925181	0.003443	0.009419	0	0	0	4.464254	8.556443	4.019918
9717	LOC103225	2.840102	5.692436	1.946011	2.925181	0.003443	0.009419	0	0	0	4.464254	8.556443	4.019918
9881	LOC103224	2.87713	5.691473	1.971542	2.886812	0.003892	0.010466	0	0	0	6.696381	8.556443	2.009959
9882	HTR2B	2.87713	5.691473	1.971542	2.886812	0.003892	0.010466	0	0	0	6.696381	8.556443	2.009959
9883	LOC103215	2.87713	5.691473	1.971542	2.886812	0.003892	0.010466	0	0	0	6.696381	8.556443	2.009959
9884	FMO2	2.87713	5.691473	1.971542	2.886812	0.003892	0.010466	0	0	0	6.696381	8.556443	2.009959
9885	LOC103235	2.87713	5.691473	1.971542	2.886812	0.003892	0.010466	0	0	0	6.696381	8.556443	2.009959
7380	SPEM2	5.597033	5.690004	1.577136	3.607809	0.000309	0.001112	0.542086	0	0	11.16063	12.83466	9.044815
10047	LOC103235	2.8246	5.687191	1.994503	2.851433	0.004352	0.011515	0	0	0	2.232127	10.69555	4.019918
10048	LOC103235	2.8246	5.687191	1.994503	2.851433	0.004352	0.011515	0	0	0	2.232127	10.69555	4.019918
8307	LOC103235	5.724245	5.687038	1.717426	3.311374	0.000928	0.002971	0	0	0.695731	13.39276	19.252	1.004979
10030	ANHX	2.861628	5.686143	1.991814	2.854756	0.004307	0.011411	0	0	0	4.464254	10.69555	2.009959
10031	LOC119624	2.861628	5.686143	1.991814	2.854756	0.004307	0.011411	0	0	0	4.464254	10.69555	2.009959
10032	LOC119625	2.861628	5.686143	1.991814	2.854756	0.004307	0.011411	0	0	0	4.464254	10.69555	2.009959
10033	HMGCLL1	2.861628	5.686143	1.991814	2.854756	0.004307	0.011411	0	0	0	4.464254	10.69555	2.009959
10034	LOC119625	2.861628	5.686143	1.991814	2.854756	0.004307	0.011411	0	0	0	4.464254	10.69555	2.009959
7452	LOC103235	5.619446	5.685029	1.587659	3.580762	0.000343	0.001222	0	0.547412	0	11.16063	14.97377	7.034856
8367	LOC103215	5.684022	5.684327	1.725935	3.293477	0.00099	0.003144	0	0.547412	0	11.16063	21.39111	1.004979
5523	SLC9C2	10.5566	5.683998	1.290814	4.403423	1.07E-05	5.13E-05	0	0.547412	0.695731	20.08914	29.94755	12.05975
10326	MCHR2	2.846125	5.681945	2.042148	2.782338	0.005397	0.013893	0	0	0	2.232127	12.83466	2.009959
10327	LOC103235	2.846125	5.681945	2.042148	2.782338	0.005397	0.013893	0	0	0	2.232127	12.83466	2.009959
11400	LOC103214	2.830622	5.681724	2.239811	2.536697	0.01119	0.026096	0	0	0	0	14.97377	2.009959
7587	APOA2	5.640972	5.681477	1.609251	3.53051	0.000415	0.001453	0	0.547412	0	11.16063	17.11289	5.024897
6353	ADCY8	10.26146	5.681448	1.418491	4.005276	6.19E-05	0.000259	0	1.094824	0	20.08914	36.36488	4.019918
7867	LOC119625	5.687217	5.680354	1.646338	3.450297	0.00056	0.001892	0	0	0.695731	11.16063	19.252	3.014938
7620	CPB1	5.588441	5.68007	1.61389	3.51949	0.000432	0.001508	0	0.547412	0	6.696381	19.252	7.034856
7621	CASP14	5.588441	5.68007	1.61389	3.51949	0.000432	0.001508	0	0.547412	0	6.696381	19.252	7.034856
170	LIPH	288.0051	5.679678	0.267332	21.24581	3.60E-100	5.64E-98	5.96295	14.23271	13.2189	575.8888	569.0034	549.7238
7946	KRT26	5.671714	5.678058	1.657848	3.424957	0.000615	0.002057	0	0	0.695731	8.928508	21.39111	3.014938



8540	UPK1A	5.599598	5.674261	1.749364	3.243613	0.00118	0.003674	0.542086	0	0	2.232127	27.80844	3.014938
4025	LOC119621	15.40445	5.666977	1.058388	5.354345	8.59E-08	5.67E-07	0	1.094824	0.695731	29.01765	38.50399	23.11453
4998	NRXN3	16.45367	5.662214	1.207529	4.689093	2.74E-06	1.46E-05	0	0	2.087194	42.41041	49.19955	5.024897
4364	RGS6	16.06401	5.652994	1.107434	5.104588	3.32E-07	2.02E-06	0	0	2.087194	29.01765	49.19955	16.07967
5602	LOC119615	10.5753	5.649805	1.291846	4.373437	1.22E-05	5.80E-05	0	0	1.391463	22.32127	25.66933	14.06971
7896	LOC119624	5.560206	5.647737	1.640936	3.441777	0.000578	0.001946	0	0	0.695731	20.08914	8.556443	4.019918
7518	BHMT2	5.470647	5.644358	1.588557	3.553134	0.000381	0.001346	0	0	0.695731	13.39276	10.69555	8.039836
8138	LOC103245	5.550726	5.640154	1.674714	3.367831	0.000758	0.002475	0	0	0.695731	15.62489	14.97377	2.009959
8167	LOC119620	5.510503	5.637041	1.678205	3.358971	0.000782	0.002547	0	0.547412	0	13.39276	17.11289	2.009959
7794	RFTN2	5.513698	5.636358	1.626008	3.466378	0.000528	0.001799	0	0	0.695731	13.39276	14.97377	4.019918
8276	LOC103245	5.479498	5.631685	1.69581	3.320942	0.000897	0.002882	0	0.547412	0	8.928508	21.39111	2.009959
8268	LOC119615	5.504217	5.631571	1.694482	3.323477	0.000889	0.002859	0	0	0.695731	8.928508	21.39111	2.009959
7933	LOC103220	5.482692	5.63099	1.641655	3.430069	0.000603	0.002022	0	0	0.695731	8.928508	19.252	4.019918
8070	LOC103247	5.467189	5.62894	1.659156	3.392653	0.000692	0.00228	0	0	0.695731	6.696381	21.39111	4.019918
11310	DLK1	2.660561	5.623752	2.200274	2.555932	0.01059	0.024893	0	0	0	8.928508	0	7.034856
10860	LOC103224	2.756142	5.622739	2.114965	2.65855	0.007848	0.019211	0	0	0	13.39276	2.139111	1.004979
6172	ACSM1	9.830886	5.62069	1.374531	4.08917	4.33E-05	0.000186	0	1.094824	0	15.62489	34.22577	8.039836
10416	LOC119620	2.719114	5.618473	2.034111	2.762127	0.005743	0.014657	0	0	0	11.16063	2.139111	3.014938
10629	LOC103230	2.740639	5.6132	2.070047	2.71163	0.006695	0.016746	0	0	0	11.16063	4.278221	1.004979
10182	KLF18	2.703611	5.61012	1.989934	2.819249	0.004814	0.012568	0	0	0	8.928508	4.278221	3.014938
10093	LOC103235	2.651081	5.605731	1.973774	2.840108	0.00451	0.011879	0	0	0	4.464254	6.417332	5.024897
10569	LOC119624	2.725137	5.605353	2.054224	2.728696	0.006359	0.015992	0	0	0	8.928508	6.417332	1.004979
10571	ANKRD40C	2.725137	5.605353	2.054224	2.728696	0.006359	0.015992	0	0	0	8.928508	6.417332	1.004979
6177	ACSBG2	10.08077	5.603706	1.370774	4.087988	4.35E-05	0.000187	0.542086	0	0.695731	17.85702	36.36488	5.024897
4003	BHLHE22	21.02829	5.603486	1.04298	5.372571	7.76E-08	5.16E-07	0	0	2.782925	53.57105	57.75599	12.05975
10134	LOC103225	2.688109	5.603086	1.979366	2.830748	0.004644	0.01218	0	0	0	6.696381	6.417332	3.014938
10135	LOC119615	2.688109	5.603086	1.979366	2.830748	0.004644	0.01218	0	0	0	6.696381	6.417332	3.014938
10594	LOC103244	2.709634	5.598579	2.056182	2.722803	0.006473	0.01624	0	0	0	6.696381	8.556443	1.004979
10596	LOC119625	2.709634	5.598579	2.056182	2.722803	0.006473	0.01624	0	0	0	6.696381	8.556443	1.004979
10597	LOC103247	2.709634	5.598579	2.056182	2.722803	0.006473	0.01624	0	0	0	6.696381	8.556443	1.004979
10232	LOC119624	2.672606	5.596954	1.993588	2.807478	0.004993	0.012972	0	0	0	4.464254	8.556443	3.014938
10233	LOC119615	2.672606	5.596954	1.993588	2.807478	0.004993	0.012972	0	0	0	4.464254	8.556443	3.014938
10529	LOC119624	2.657103	5.591728	2.042122	2.738195	0.006178	0.015591	0	0	0	2.232127	10.69555	3.014938
10531	LOC103227	2.657103	5.591728	2.042122	2.738195	0.006178	0.015591	0	0	0	2.232127	10.69555	3.014938
10532	LOC103237	2.657103	5.591728	2.042122	2.738195	0.006178	0.015591	0	0	0	2.232127	10.69555	3.014938
10533	CHRNA3	2.657103	5.591728	2.042122	2.738195	0.006178	0.015591	0	0	0	2.232127	10.69555	3.014938
10534	LOC103217	2.657103	5.591728	2.042122	2.738195	0.006178	0.015591	0	0	0	2.232127	10.69555	3.014938
7862	AMER3	5.324676	5.589453	1.619649	3.451028	0.000558	0.001888	0	0	0.695731	13.39276	12.83466	5.024897
7863	SOX14	5.324676	5.589453	1.619649	3.451028	0.000558	0.001888	0	0	0.695731	13.39276	12.83466	5.024897
11621	LOC119615	2.6416	5.589165	2.2456	2.48894	0.012812	0.029311	0	0	0	0	12.83466	3.014938
8109	PABPC1L2H	5.346201	5.587476	1.654719	3.376693	0.000734	0.002405	0	0	0.695731	13.39276	14.97377	3.014938
8151	GCSAML	5.330698	5.584445	1.659791	3.364547	0.000767	0.002501	0	0	0.695731	11.16063	17.11289	3.014938
8845	LOC103215	5.296498	5.582801	1.767805	3.15804	0.001588	0.004774	0	0.547412	0	6.696381	23.53022	1.004979
970	CPAMD8	67.47464	5.582098	0.501236	11.13667	8.32E-29	2.28E-27	1.084173	3.831883	3.478657	133.9276	136.9031	125.6224
8331	LOC103245	5.274973	5.579804	1.688829	3.303948	0.000953	0.003042	0	0.547412	0	6.696381	21.39111	3.014938
8325	LOC103245	5.299693	5.579696	1.687431	3.306622	0.000944	0.003015	0	0	0.695731	6.696381	21.39111	3.014938
5978	LOC119615	10.15634	5.571141	1.335174	4.172595	3.01E-05	0.000134	0	0	1.391463	31.24978	19.252	9.044815
5963	LOC119627	10.09433	5.564133	1.330801	4.18104	2.90E-05	0.000129	0	0	1.391463	22.32127	27.80844	9.044815
5909	COL3A1	9.759601	5.559211	1.321393	4.207085	2.59E-05	0.000116	0	0.547412	0.695731	29.01765	19.252	9.044815
6290	ARSF	10.15288	5.558794	1.378058	4.033788	5.49E-05	0.000232	0	0	1.391463	24.5534	29.94755	5.024897
3416	RALYL	25.36779	5.55765	0.9371	5.930693	3.02E-09	2.35E-08	0	0	3.478657	40.17829	83.42532	25.12449
5894	LOC103245	9.727708	5.55698	1.317599	4.217503	2.47E-05	0.000111	0.542086	0	0.695731	24.5534	23.53022	9.044815
5860	LOC119615	9.660562	5.552221	1.310414	4.236996	2.27E-05	0.000103	0	0.547412	0.695731	17.85702	27.80844	11.05477
6161	SLC16A11	9.955275	5.550633	1.356121	4.093023	4.26E-05	0.000184	0	0	1.391463	35.71403	8.556443	14.06971
8103	LOC119615	5.166659	5.550407	1.642237	3.79785	0.000725	0.00238	0	0	0.695731	17.85702	6.417332	6.029877
2530	LOC103245	34.03594	5.548566	0.783398	7.082688	1.41E-12	1.49E-11	0	1.642235	2.782925	66.96381	102.6773	30.14938
4366	KCNH5	14.61322	5.548473	1.087132	5.10377	3.33E-07	2.03E-06	0	0.547412	1.391463	29.01765	40.6431	16.07967
7887	APELA	5.098626	5.544269	1.609258	3.445233	0.000571	0.001923	0	0	0.695731	11.16063	10.69555	8.039836
7888	INMT	5.098626	5.544269	1.609258	3.445233	0.000571	0.001923	0	0	0.695731	11.16063	10.69555	8.039836
7979	GABRR2	5.110934	5.542162	1.621773	3.417347	0.000632	0.002106	0	0.547412	0	13.39276	10.69555	6.029877
7980	LOC103225	5.110934	5.542162	1.621773	3.417347	0.000632	0.002106	0	0.547412	0	13.39276	10.69555	6.029877
8154	PRDM13	5.147962	5.541997	1.647481	3.363921	0.000768	0.002505	0	0.547412	0	15.62489	10.69555	4.019918
7917	LOC103215	5.083123	5.540991	1.613619	3.433891	0.000595	0.001998	0	0	0.695731	8.928508	12.83466	8.039836
7977	LOC119615	5.120151	5.538619	1.620499	3.417847	0.000631	0.002104	0	0	0.695731	11.16063	12.83466	6.029877
5999	LOC103237	9.76322	5.535951	1.329286	4.164605	3.12E-05	0.000138	0	0	1.391463	11.16063	29.94755	16.07967
8497	LOC119625	5.138482	5.534729	1.699287	3.257089	0.001126	0.003522	0	0.547412	0	11.16063	17.11289	2.009959
11983	LOC119625	2.56712	5.533955	2.297034	2.409174	0.015989	0.035471	0	0	0	13.39276	0	2.009959
11984	KIF2B	2.56712	5.533955	2.297034	2.409174	0.015989	0.035471	0	0	0	13.39276	0	2.009959
8218	LOC103245	5.126174	5.531964	1.655569	3.341429	0.000833	0.002696	0	0	0.695731	8.928508	17.11289	4.019918
6011	CUNH10or	9.576602	5.52905	1.329421	4.158992	3.20E-05	0.000141	0	0.547412	0.695731	26.78552	21.39111	8.039836
8629	MLN	5.05814	5.528807	1.716807	3.2204	0.00128	0.003944	0	0	0.695731	2.232127	21.39111	6.029877
6221	GPR45	9.880326	5.528316	1.359642	4.066009	4.78E-05	0.000204	0	0	1.391463	15.62489	34.22577	8.039836
8512	PRG3	5.095168	5.527753	1.699148	3.25325	0.001141	0.003563	0	0	0.695731	4.464254	21.39111	4.019918
8823	LOC119615	5.079666	5.526663	1.745614	3.166028	0.001545	0.004656	0	0	0.695731	2.232127	23.53022	4.019918



12087	IRGM	2.573143	5.524021	2.311572	2.389725	0.016861	0.037082	0	0	0	11.16063	4.278221	0
6374	LOC119622	9.849321	5.522028	1.382878	3.993141	6.52E-05	0.000272	0	0	1.391463	11.16063	38.50399	8.039836
10974	LOC119624	2.551617	5.518736	2.094391	2.635007	0.008414	0.020379	0	0	0	11.16063	2.139111	2.009959
10976	UMOD	2.551617	5.518736	2.094391	2.635007	0.008414	0.020379	0	0	0	11.16063	2.139111	2.009959
10719	LOC119625	2.514589	5.518428	2.05381	2.686923	0.007211	0.017885	0	0	0	8.928508	2.139111	4.019918
12026	CLEC12B	2.55764	5.515603	2.296598	2.401641	0.016322	0.036081	0	0	0	8.928508	6.417332	0
6089	SFTPC	9.768818	5.514232	1.336169	4.126897	3.68E-05	0.000161	0	0	1.391463	26.78552	21.39111	9.044815
10587	LOC119626	2.462059	5.513605	2.022804	2.725723	0.006416	0.016111	0	0	0	4.464254	4.278221	6.029877
10544	LOC103223	2.499087	5.510725	2.015278	2.734474	0.006248	0.015749	0	0	0	6.696381	4.278221	4.019918
10545	LOC119627	2.499087	5.510725	2.015278	2.734474	0.006248	0.015749	0	0	0	6.696381	4.278221	4.019918
10546	LOC119628	2.499087	5.510725	2.015278	2.734474	0.006248	0.015749	0	0	0	6.696381	4.278221	4.019918
10547	SEBOX	2.499087	5.510725	2.015278	2.734474	0.006248	0.015749	0	0	0	6.696381	4.278221	4.019918
10722	GCM2	2.536115	5.509443	2.051027	2.686188	0.007227	0.017916	0	0	0	8.928508	4.278221	2.009959
10723	LOC103245	2.536115	5.509443	2.051027	2.686188	0.007227	0.017916	0	0	0	8.928508	4.278221	2.009959
10724	SLC10A1	2.536115	5.509443	2.051027	2.686188	0.007227	0.017916	0	0	0	8.928508	4.278221	2.009959
12057	ANKRD66	2.542137	5.508023	2.299591	2.395219	0.01661	0.036622	0	0	0	6.696381	8.556443	0
12058	BECN2	2.542137	5.508023	2.299591	2.395219	0.01661	0.036622	0	0	0	6.696381	8.556443	0
10746	LOC119629	2.446556	5.50611	2.053988	2.680693	0.007347	0.018176	0	0	0	2.232127	6.417332	6.029877
2863	LOC103218	23.18401	5.504422	0.835022	6.591951	4.34E-11	4.03E-10	0	1.094824	2.087194	44.64254	47.06043	44.2191
10575	CMA1	2.483584	5.503769	2.017538	2.727963	0.006373	0.016019	0	0	0	4.464254	6.417332	4.019918
10576	LOC103228	2.483584	5.503769	2.017538	2.727963	0.006373	0.016019	0	0	0	4.464254	6.417332	4.019918
10684	LOC103247	2.520612	5.501768	2.04105	2.695558	0.007027	0.017484	0	0	0	6.696381	6.417332	2.009959
10685	LOC119629	2.520612	5.501768	2.04105	2.695558	0.007027	0.017484	0	0	0	6.696381	6.417332	2.009959
12176	LOC119629	2.526635	5.501202	2.320478	2.370719	0.017754	0.038753	0	0	0	4.464254	10.69555	0
12177	MTNR1B	2.526635	5.501202	2.320478	2.370719	0.017754	0.038753	0	0	0	4.464254	10.69555	0
12178	LOC119619	2.526635	5.501202	2.320478	2.370719	0.017754	0.038753	0	0	0	4.464254	10.69555	0
12179	LOC119619	2.526635	5.501202	2.320478	2.370719	0.017754	0.038753	0	0	0	4.464254	10.69555	0
13627	LOC119629	2.495629	5.495562	2.637762	2.083419	0.037213	0.072599	0	0	0	0	14.97377	0
12423	LOC119629	2.511132	5.495502	2.37252	2.316315	0.020541	0.043954	0	0	0	2.232127	12.83466	0
10776	KNG1	2.505109	5.495223	2.055481	2.673449	0.007508	0.018511	0	0	0	4.464254	8.556443	2.009959
10777	CCR9	2.505109	5.495223	2.055481	2.673449	0.007508	0.018511	0	0	0	4.464254	8.556443	2.009959
10781	PYCARD	2.505109	5.495223	2.055481	2.673449	0.007508	0.018511	0	0	0	4.464254	8.556443	2.009959
10782	LOC103234	2.505109	5.495223	2.055481	2.673449	0.007508	0.018511	0	0	0	4.464254	8.556443	2.009959
10783	LOC119629	2.505109	5.495223	2.055481	2.673449	0.007508	0.018511	0	0	0	4.464254	8.556443	2.009959
8131	LOC103216	4.921025	5.493942	1.630034	3.370446	0.00075	0.002454	0.542086	0	0	13.39276	8.556443	7.034856
8114	LOC119626	4.946632	5.493873	1.628452	3.373679	0.000742	0.00243	0	0	0.695731	13.39276	8.556443	7.034856
11079	LOC119626	2.489607	5.489887	2.103643	2.609704	0.009062	0.021741	0	0	0	2.232127	10.69555	2.009959
11080	LOC119626	2.489607	5.489887	2.103643	2.609704	0.009062	0.021741	0	0	0	2.232127	10.69555	2.009959
11081	DNAJB8	2.489607	5.489887	2.103643	2.609704	0.009062	0.021741	0	0	0	2.232127	10.69555	2.009959
8419	LOC119627	5.005185	5.489357	1.675435	3.276378	0.001051	0.00332	0	0	0.695731	15.62489	10.69555	3.014938
12181	LOC119618	2.474104	5.488565	2.315555	2.370303	0.017774	0.038791	0	0	0	0	12.83466	2.009959
8211	FOXI3	4.952655	5.484763	1.640693	3.342954	0.000829	0.002684	0	0	0.695731	11.16063	12.83466	5.024897
8238	TSPYL6	4.874516	5.483765	1.644101	3.335419	0.000852	0.002749	0.542086	0	0	6.696381	14.97377	7.034856
8399	CD1B	4.859901	5.480938	1.669675	3.282638	0.001028	0.003254	0	0.547412	0	4.464254	17.11289	7.034856
8365	LOC103238	2.921649	5.478937	1.66343	3.293759	0.000989	0.003141	0	0	0.695731	6.696381	17.11289	5.024897
3742	OC90	18.09638	5.478175	0.978063	5.601047	2.13E-08	1.51E-07	0	1.642235	0.695731	37.94616	49.19955	19.09461
8551	LOC119627	4.906146	5.476713	1.690061	3.240541	0.001193	0.003709	0	0	0.695731	4.464254	19.252	5.024897
3080	LOC103214	27.98853	5.469197	0.86769	6.303171	2.92E-10	2.52E-09	0	1.094824	2.782925	93.74933	49.19955	21.10457
6450	MARCO	9.148592	5.460374	1.378736	3.96042	7.48E-05	0.000308	0	0.547412	0.695731	13.39276	34.22577	6.029877
6663	LOC119626	8.818997	5.455089	1.408645	3.872578	0.000108	0.00043	0.542086	0.547412	0	17.85702	29.94755	4.019918
6581	SGCZ	8.713935	5.448533	1.393976	3.908628	9.28E-05	0.000375	0.542086	0.547412	0	8.928508	34.22577	8.039836
9863	LOC119626	4.859214	5.446441	1.884289	2.89045	0.003847	0.010369	0	0	0.695731	15.62489	12.83466	0
6094	LOC119627	8.994033	5.446128	1.320198	4.125236	3.70E-05	0.000162	0	0.547412	0.695731	24.5534	17.11289	11.05477
8339	LOC103236	4.754416	5.438044	1.647781	3.300222	0.000966	0.00308	0	0.547412	0	13.39276	8.556443	6.029877
8340	LOC119627	4.754416	5.438044	1.647781	3.300222	0.000966	0.00308	0	0.547412	0	13.39276	8.556443	6.029877
169	DNAJC12	284.5749	5.437884	0.255451	21.28738	1.49E-100	2.34E-98	16.80468	10.40082	11.1317	531.2462	519.8039	618.0624
12	CFH	3958.017	5.436907	0.103474	52.54385	0	0	164.7943	186.6674	185.0645	7723.159	7568.174	7920.243
8316	LOC119627	4.763633	5.434033	1.642146	3.309105	0.000936	0.002992	0	0	0.695731	11.16063	10.69555	6.029877
1095	LOC103247	60.27703	5.430855	0.5155	10.53513	5.95E-26	1.44E-24	3.794605	2.189647	2.087194	140.624	98.39909	114.5677
5181	HTR4	14.0265	5.430751	1.183498	4.588728	4.46E-06	2.29E-05	0	0	2.087194	31.24978	42.78221	8.039836
8359	KLHL1	4.72341	5.430637	1.648286	3.294717	0.000985	0.003133	0	0.547412	0	8.928508	12.83466	6.029877
8527	NKG7	4.670879	5.430048	1.672208	3.247233	0.001165	0.003633	0	0.547412	0	4.464254	14.97377	8.039836
6555	XIRP1	9.297334	5.427508	1.385727	3.916721	8.98E-05	0.000364	0	0	1.391463	31.24978	17.11289	6.029877
6590	LAIR1	8.640343	5.427191	1.389818	3.904964	9.42E-05	0.00038	0	1.094824	0	22.32127	21.39111	7.034856
8661	TACR1	4.754153	5.42315	1.687608	3.213513	0.001311	0.004025	0	0	0.695731	6.696381	17.11289	4.019918
9120	LOC103247	4.723147	5.419528	1.7609	3.077704	0.002086	0.006081	0	0	0.695731	2.232127	21.39111	4.019918
9487	GATA4	4.719953	5.419135	1.813774	2.987767	0.00281	0.007875	0	0.547412	0	2.232127	23.53022	2.009959
2671	LOC103236	26.25398	5.41332	0.787507	6.873992	6.24E-12	6.21E-11	0	1.642235	2.087194	53.57105	62.03421	38.18922
11659	EVI2B	2.384121	5.412999	2.18345	2.479104	0.013171	0.030033	0	0	0	11.16063	2.139111	1.004979
11170	LOC103234	2.310065	5.412152	2.09224	2.586774	0.009688	0.023058	0	0	0	6.696381	2.139111	5.024897
11047	ODF4	2.294562	5.404842	2.065919	2.616192	0.008892	0.021398	0	0	0	4.464254	4.278221	5.024897
11468	FGA	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11469	CTXND2	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11470	LOC119629	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979



11472	LOC103226	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11473	LOC103247	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11474	LOC119620	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11476	LOC119623	2.368618	5.402795	2.141774	2.52258	0.01165	0.026988	0	0	0	8.928508	4.278221	1.004979
11072	GPR182	2.33159	5.401628	2.068741	2.61107	0.009026	0.021668	0	0	0	6.696381	4.278221	3.014938
11073	MYL1	2.33159	5.401628	2.068741	2.61107	0.009026	0.021668	0	0	0	6.696381	4.278221	3.014938
11075	UCMA	2.33159	5.401628	2.068741	2.61107	0.009026	0.021668	0	0	0	6.696381	4.278221	3.014938
6582	FAM71F2	8.792074	5.401196	1.381907	3.908509	9.29E-05	0.000375	0	0.547412	0.695731	13.39276	32.08666	6.029877
11434	TRIM42	2.353115	5.394405	2.132804	2.529255	0.011431	0.026572	0	0	0	6.696381	6.417332	1.004979
11435	MASP2	2.353115	5.394405	2.132804	2.529255	0.011431	0.026572	0	0	0	6.696381	6.417332	1.004979
11436	LOC103221	2.353115	5.394405	2.132804	2.529255	0.011431	0.026572	0	0	0	6.696381	6.417332	1.004979
11102	LOC119624	2.316087	5.394106	2.071369	2.604127	0.009211	0.022052	0	0	0	4.464254	6.417332	3.014938
11104	LOC119626	2.316087	5.394106	2.071369	2.604127	0.009211	0.022052	0	0	0	4.464254	6.417332	3.014938
11346	HJV	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
11347	LOC103234	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
11348	LOC119618	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
11349	WFDC13	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
11350	LOC103233	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
11351	LOC103227	2.300585	5.387471	2.114987	2.547283	0.010857	0.025427	0	0	0	2.232127	8.556443	3.014938
12359	LOC103225	2.263557	5.387429	2.311861	2.330343	0.019788	0.042565	0	0	0	8.556443	5.024897	
11520	LOC103245	2.337613	5.387254	2.147074	2.509114	0.012103	0.027924	0	0	0	4.464254	8.556443	1.004979
11521	SPATA48	2.337613	5.387254	2.147074	2.509114	0.012103	0.027924	0	0	0	4.464254	8.556443	1.004979
11522	GDF3	2.337613	5.387254	2.147074	2.509114	0.012103	0.027924	0	0	0	4.464254	8.556443	1.004979
11523	LOC119618	2.337613	5.387254	2.147074	2.509114	0.012103	0.027924	0	0	0	4.464254	8.556443	1.004979
8565	LOC103225	4.565394	5.386455	1.663414	3.238193	0.001203	0.003734	0	0.547412	0	13.39276	6.417332	7.034856
8546	DGAT2L6	4.590114	5.386397	1.661674	3.241548	0.001189	0.003698	0	0	0.695731	13.39276	6.417332	7.034856
12467	SLC27A6	2.285082	5.38304	2.333818	2.306538	0.021081	0.044946	0	0	0	10.69555	3.014938	
12468	LOC119620	2.285082	5.38304	2.333818	2.306538	0.021081	0.044946	0	0	0	10.69555	3.014938	
12469	LOC103222	2.285082	5.38304	2.333818	2.306538	0.021081	0.044946	0	0	0	10.69555	3.014938	
11782	LOC119620	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11784	FAM170B	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11785	LOC119628	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11786	LOC119618	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11787	ZP4	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11788	LOC119620	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
11789	LOC119623	2.32211	5.38154	2.194344	2.45246	0.014188	0.031996	0	0	0	2.232127	10.69555	1.004979
12859	LOC119625	2.306607	5.381222	2.416624	2.226752	0.025964	0.053674	0	0	0	12.83466	1.004979	
12860	KRT31	2.306607	5.381222	2.416624	2.226752	0.025964	0.053674	0	0	0	12.83466	1.004979	
8835	TMEM235	4.648667	5.380396	1.701752	3.16168	0.001569	0.00472	0	0	0.695731	15.62489	8.556443	3.014938
8586	OVCH2	4.543605	5.374925	1.662518	3.233002	0.001225	0.003792	0	0	0.695731	6.696381	12.83466	7.034856
8587	GPAT2	4.543605	5.374925	1.662518	3.233002	0.001225	0.003792	0	0	0.695731	6.696381	12.83466	7.034856
8763	LOC103227	4.528103	5.371625	1.686618	3.184849	0.001448	0.004394	0	0	0.695731	4.464254	14.97377	7.034856
8728	LOC119618	4.565131	5.36908	1.681125	3.193742	0.001404	0.004278	0	0	0.695731	6.696381	14.97377	5.024897
8873	LOC119620	4.577439	5.368586	1.70448	3.149692	0.001634	0.004897	0	0.547412	0	8.928508	14.97377	3.014938
8977	SNX20	4.586656	5.365586	1.717904	3.123332	0.001788	0.005296	0	0	0.695731	6.696381	17.11289	3.014938
8978	EDDM3A	4.586656	5.365586	1.717904	3.123332	0.001788	0.005296	0	0	0.695731	6.696381	17.11289	3.014938
2784	MS4A8	24.39368	5.359251	0.797014	6.724161	1.77E-11	1.69E-10	2.168345	1.094824	0	53.57105	51.33866	38.18922
7	PLA1A	1629.574	5.354161	0.13208	40.5374	0	0	82.39713	73.90059	77.22618	3011.139	3069.624	3463.159
6871	LOC119625	8.471696	5.342722	1.410365	3.788185	0.000152	0.000587	0.542086	0	0.695731	15.62489	29.94755	4.019918
5185	GALNT14	13.16493	5.34199	1.164432	4.587635	4.48E-06	2.30E-05	0	0	2.087194	40.17829	25.66933	11.05477
10362	LOC103224	4.493478	5.337413	1.924182	2.773861	0.00554	0.014212	0	0.547412	0	17.85702	8.556443	0
4672	CSF2	12.08382	5.337368	1.088551	4.903186	9.43E-07	5.37E-06	0.542086	0.547412	0.695731	22.32127	19.252	29.1444
4852	LOC103247	12.70016	5.334563	1.116047	4.779871	1.75E-06	9.61E-06	0	0.547412	1.391463	31.24978	29.94755	13.06473
4308	KCNJ2	17.43252	5.332478	1.035253	5.150892	2.59E-07	1.60E-06	0	0	2.782925	31.24978	53.47777	17.08465
9213	PCDH20	4.45645	5.322273	1.743754	3.052192	0.002272	0.006555	0	0.547412	0	15.62489	8.556443	2.009959
9182	CLNK	4.440948	5.317474	1.737472	3.060466	0.00221	0.006398	0	0.547412	0	13.39276	10.69555	2.009959
6536	NCR3	8.41466	5.3158	1.354313	3.92509	8.67E-05	0.000353	0	0	1.391463	22.32127	10.69555	16.07967
8883	LOC119623	4.42864	5.315474	1.688374	3.148281	0.001642	0.004915	0	0	0.695731	11.16063	10.69555	4.019918
8846	GIPC2	4.351389	5.31407	1.683032	3.157439	0.001592	0.004783	0	0.547412	0	6.696381	12.83466	6.029877
6504	APOBEC1	8.240511	5.313407	1.348864	3.939173	8.18E-05	0.000334	0	0.547412	0.695731	15.62489	23.53022	9.044815
6564	LOC119623	8.473213	5.311904	1.3569	3.914734	9.05E-05	0.000367	0	0	1.391463	24.5534	12.83466	12.05975
9235	AGXT	4.434662	5.309488	1.743062	3.04607	0.002319	0.006674	0	0	0.695731	8.928508	14.97377	2.009959
5104	ZNF37A	11.91092	5.309421	1.147657	4.626315	3.72E-06	1.94E-05	1.084173	0.547412	0	24.5534	34.22577	11.05477
9184	CFAP97D1	4.356524	5.305989	1.733981	3.060005	0.002213	0.006407	0.542086	0	0	4.464254	17.11289	4.019918
3124	VWA5B1	24.97744	5.305142	0.849081	6.248099	4.15E-10	3.54E-09	0.542086	0.547412	2.782925	46.87467	77.00798	22.10955
6521	LOC103245	8.411202	5.304406	1.349262	3.931339	8.45E-05	0.000344	0	0	1.391463	15.62489	21.39111	12.05975
9544	WNT16	4.403657	5.304058	1.783584	2.97382	0.002941	0.008192	0	0	0.695731	4.464254	19.252	2.009959
5483	PAX3	12.16949	5.297871	1.199353	4.417273	1.00E-05	4.85E-05	0	1.094824	0.695731	24.5534	40.6431	6.029877
11746	SGCG	2.10554	5.297594	2.154197	2.459196	0.013925	0.031516	0	0	0	4.464254	2.139111	6.029877
13038	LOC119618	2.201122	5.2973	2.410629	2.197477	0.027986	0.057052	0	0	0	8.928508	4.278221	0
13039	LOC103215	2.201122	5.2973	2.410629	2.197477	0.027986	0.057052	0	0	0	8.928508	4.278221	0
13041	LOC103227	2.201122	5.2973	2.410629	2.197477	0.027986	0.057052	0	0	0	8.928508	4.278221	0
7173	LOC119628	7.902323	5.297034	1.441884	3.67369	0.000239	0.000886	0	1.094824	0	15.62489	25.66933	5.024897
12033	LOC119625	2.068512	5.296819	2.206445	2.400612	0.016368	0.036162	0	0	0	2.232127	2.139111	8.039836



11707	GDF10	2.142568	5.295262	2.143518	2.47036	0.013498	0.030651	0	0	0	6.696381	2.139111	4.019918
11862	LOC119621	2.179596	5.293834	2.175018	2.433926	0.014936	0.033472	0	0	0	8.928508	2.139111	2.009959
11863	ELANE	2.179596	5.293834	2.175018	2.433926	0.014936	0.033472	0	0	0	8.928508	2.139111	2.009959
6862	DEFB128	8.491281	5.293668	1.395855	3.792421	0.000149	0.000578	0	0	1.391463	17.85702	25.66933	6.029877
6770	LOC119624	8.364694	5.293045	1.382952	3.827353	0.00013	0.000509	0	0	1.391463	8.928508	27.80844	12.05975
13018	MYF6	2.185619	5.288013	2.403049	2.200543	0.027768	0.056695	0	0	0	6.696381	6.417332	0
13019	LOC119624	2.185619	5.288013	2.403049	2.200543	0.027768	0.056695	0	0	0	6.696381	6.417332	0
13020	CLEC4C	2.185619	5.288013	2.403049	2.200543	0.027768	0.056695	0	0	0	6.696381	6.417332	0
13021	LOC119621	2.185619	5.288013	2.403049	2.200543	0.027768	0.056695	0	0	0	6.696381	6.417332	0
5083	LOC119621	12.31777	5.287043	1.138836	4.642496	3.44E-06	1.80E-05	0.542086	0	1.391463	24.5534	36.36488	11.05477
11588	CD3G	2.127066	5.287009	2.117351	2.496993	0.012525	0.028735	0	0	0	4.464254	4.278221	4.019918
5007	ODAD2	12.28163	5.286162	1.128345	4.684881	2.80E-06	1.49E-05	0	0.547412	1.391463	22.32127	36.36488	13.06473
3606	TMEM108	20.4442	5.284338	0.92169	5.733315	9.85E-09	7.26E-08	0	1.094824	2.087194	44.64254	57.75599	17.08465
11695	PKD2L2	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
11696	CD2	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
11697	LOC119621	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
11699	MAGEB4	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
11701	LOC103231	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
11702	LOC119621	2.164094	5.283987	2.137713	2.471794	0.013444	0.030544	0	0	0	6.696381	4.278221	2.009959
3604	DEFB1	19.01276	5.28097	0.920875	5.73473	9.77E-09	7.20E-08	2.710432	0	0	37.94616	34.22577	39.1942
13123	FHL5	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13124	LOC119621	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13126	LOC103231	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13127	EXOC1L	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13128	PDE6H	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13129	LOC103221	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13130	LOC119621	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
13131	LOC119621	2.170116	5.279694	2.418649	2.18291	0.029042	0.058799	0	0	0	4.464254	8.556443	0
11761	LOC119621	2.111563	5.27895	2.149992	2.455335	0.014075	0.031803	0	0	0	2.232127	6.417332	4.019918
11764	ENTHD1	2.111563	5.27895	2.149992	2.455335	0.014075	0.031803	0	0	0	2.232127	6.417332	4.019918
11765	MAGEL2	2.111563	5.27895	2.149992	2.455335	0.014075	0.031803	0	0	0	2.232127	6.417332	4.019918
11766	LOC119621	2.111563	5.27895	2.149992	2.455335	0.014075	0.031803	0	0	0	2.232127	6.417332	4.019918
11723	MS4A1	2.148591	5.27578	2.14079	2.464408	0.013724	0.031112	0	0	0	4.464254	6.417332	2.009959
11724	LOC103221	2.148591	5.27578	2.14079	2.464408	0.013724	0.031112	0	0	0	4.464254	6.417332	2.009959
11725	LOC103241	2.148591	5.27578	2.14079	2.464408	0.013724	0.031112	0	0	0	4.464254	6.417332	2.009959
11726	WFDC10B	2.148591	5.27578	2.14079	2.464408	0.013724	0.031112	0	0	0	4.464254	6.417332	2.009959
11727	LOC103231	2.148591	5.27578	2.14079	2.464408	0.013724	0.031112	0	0	0	4.464254	6.417332	2.009959
12872	LHX8	2.074535	5.275593	2.371884	2.224221	0.026134	0.053975	0	0	0	0	6.417332	6.029877
13352	LOC119621	2.154613	5.272637	2.468506	2.135963	0.032682	0.065074	0	0	0	2.232127	10.69555	0
12897	LOC119621	2.09606	5.27042	2.374947	2.219174	0.026475	0.054561	0	0	0	0	8.556443	4.019918
8981	LOC119621	4.156344	5.2692	1.687585	3.122332	0.001794	0.005311	0	0.547412	0	8.928508	6.417332	9.044815
11960	LOC119621	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11962	TRHR	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11963	IMPG1	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11964	P2RY13	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11965	LOC103241	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11966	CUNH6orf	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11967	TBPL2	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
11968	LOC103211	2.133088	5.268909	2.184471	2.411984	0.015866	0.035244	0	0	0	2.232127	8.556443	2.009959
9201	TMEM233	4.270623	5.268573	1.724931	3.054368	0.002255	0.006516	0	0	0.695731	15.62489	4.278221	5.024897
9202	LOC119621	4.270623	5.268573	1.724931	3.054368	0.002255	0.006516	0	0	0.695731	15.62489	4.278221	5.024897
8983	BTNL10	4.218092	5.265753	1.686824	3.121696	0.001798	0.005322	0	0	0.695731	11.16063	6.417332	7.034856
8979	LOC119621	4.165562	5.265156	1.686011	3.122848	0.001791	0.005303	0	0	0.695731	6.696381	8.556443	9.044815
8953	NLRP9	4.20259	5.261519	1.680855	3.130263	0.001747	0.005186	0	0	0.695731	8.928508	8.556443	7.034856
9085	LOC119621	4.150059	5.260753	1.703589	3.088041	0.002015	0.005896	0	0	0.695731	4.464254	10.69555	9.044815
9014	AGTR1	4.162367	5.257558	1.689695	3.111544	0.001861	0.005489	0	0.547412	0	6.696381	10.69555	7.034856
5339	LOC103221	11.83795	5.256748	1.169204	4.496008	6.92E-06	3.45E-05	0	1.094824	0.695731	31.24978	29.94755	8.039836
9216	NLRP13	4.236423	5.253175	1.721985	3.050651	0.002283	0.006587	0	0.547412	0	11.16063	10.69555	3.014938
9204	LOC119621	4.261143	5.253015	1.720018	3.054046	0.002258	0.006521	0	0	0.695731	11.16063	10.69555	3.014938
3431	OLFM3	19.32175	5.251934	0.887731	5.916135	3.30E-09	2.55E-08	0.542086	1.642235	0.695731	53.57105	36.36488	23.11453
9477	LOC103231	4.156082	5.249923	1.755064	2.991299	0.002778	0.007793	0	0	0.695731	2.232127	14.97377	7.034856
9772	NPTX2	4.267166	5.249811	1.80378	2.91045	0.003609	0.009819	0	0	0.695731	8.928508	14.97377	1.004979
5272	SLC34A3	12.06029	5.249353	1.15716	4.536409	5.72E-06	2.89E-05	0.542086	0	1.391463	35.71403	25.66933	9.044815
9269	LOC119621	4.220033	5.249214	1.726536	3.040315	0.002363	0.006778	0.542086	0	0	8.928508	12.83466	3.014938
9268	LOC103211	4.22092	5.249208	1.726465	3.040438	0.002362	0.006776	0	0.547412	0	8.928508	12.83466	3.014938
9243	LOC119611	4.24564	5.249054	1.724485	3.043839	0.002336	0.006718	0	0	0.695731	8.928508	12.83466	3.014938
6916	NLRP7	7.958048	5.247539	1.39237	3.768782	0.000164	0.000631	0	0.547412	0.695731	20.08914	21.39111	5.024897
7234	LOC103224	7.964071	5.244813	1.434342	3.656598	0.000256	0.000939	0	0.547412	0.695731	17.85702	25.66933	3.014938
6848	SPN	7.890015	5.243196	1.380122	3.799081	0.000145	0.000564	0	0.547412	0.695731	13.39276	25.66933	7.034856
7025	LOC119621	7.91154	5.241184	1.406995	3.72509	0.000195	0.000739	0	0.547412	0.695731	13.39276	27.80844	5.024897
5993	ART5	11.698	5.236983	1.256789	4.166954	3.09E-05	0.000137	0	1.094824	0.695731	29.01765	36.36488	3.014938
340	CCL7	189.8797	5.23594	0.316012	16.56879	1.17E-61	9.16E-60	5.420864	13.6853	10.43597	308.0335	444.935	356.7677
3778	COL19A1	20.0969	5.232436	0.939991	5.566477	2.60E-08	1.83E-07	0	0.547412	2.782925	42.41041	57.75599	17.08465
4137	LOC103211	15.60049	5.231613	0.993424	5.266243	1.39E-07	8.95E-07	0	1.094824	1.391463	31.24978	42.78221	17.08465



7015	WIPF3	8.134762	5.228946	1.402614	3.728	0.000193	0.000731	0	0	1.391463	17.85702	23.53022	6.029877
4993	LOC119623	11.6405	5.226383	1.113985	4.691611	2.71E-06	1.44E-05	0	0.547412	1.391463	17.85702	29.94755	20.09959
5013	KCNA1	11.71456	5.224444	1.116125	4.680878	2.86E-06	1.51E-05	0	0.547412	1.391463	22.32127	29.94755	16.07967
7298	WFDC8	8.156287	5.224049	1.43687	3.635714	0.000277	0.00101	0	0	1.391463	17.85702	25.66933	4.019918
4699	KLHL34	16.30053	5.22103	1.068945	4.884283	1.04E-06	5.87E-06	0	0	2.782925	40.17829	42.78221	12.05975
3822	BLK	19.9449	5.219431	0.945219	5.521925	3.35E-08	2.33E-07	0	0.547412	2.782925	44.64254	55.61688	16.07967
6781	LOC103234	7.731111	5.21719	1.364011	3.824887	0.000131	0.000513	0.542086	0	0.695731	17.85702	19.252	8.039836
1124	MROH2A	71.70198	5.21381	0.500199	10.42347	1.94E-25	4.58E-24	4.336691	1.094824	6.261582	91.51721	156.1551	170.8465
6954	LOC119624	7.927673	5.213744	1.388777	3.754198	0.000174	0.000665	0	0	1.391463	24.5534	8.556443	13.06473
6807	LOC119625	7.716496	5.213022	1.366666	3.814409	0.000137	0.000533	0	0.547412	0.695731	15.62489	21.39111	8.039836
5472	LOC119626	12.06437	5.21102	1.176971	4.427482	9.53E-06	4.63E-05	0	0	2.087194	35.71403	23.53022	11.05477
4578	PDE6A	15.48206	5.210751	1.051888	4.953711	7.28E-07	4.23E-06	0	1.094824	1.391463	29.01765	51.33866	10.04979
9552	LOC103228	4.103127	5.203488	1.750947	2.971813	0.00296	0.00824	0	0	0.695731	15.62489	4.278221	4.019918
10794	CHRNBA	4.105955	5.203358	1.947663	2.671591	0.007549	0.018592	0	0.547412	0	13.39276	10.69555	0
6888	CLEC14A	7.924215	5.202684	1.376131	3.78066	0.000156	0.000604	0	0	1.391463	17.85702	19.252	9.044815
3992	KANK4	19.09323	5.202416	0.966973	5.380108	7.44E-08	4.96E-07	1.084173	0.547412	1.391463	46.87467	55.61688	9.044815
5772	UTS2R	11.76321	5.201722	1.213296	4.287267	1.81E-05	8.33E-05	0	0.547412	1.391463	37.94616	25.66933	5.024897
4439	LOC119627	15.66826	5.20144	1.029825	5.050801	4.40E-07	2.63E-06	0	0.547412	2.087194	31.24978	47.06043	13.06473
9197	MINDY4B	3.998065	5.199188	1.70175	3.055201	0.002249	0.006501	0	0	0.695731	6.696381	8.556443	8.039836
10796	NELL2	4.115172	5.198346	1.94589	2.67145	0.007552	0.018596	0	0	0.695731	11.16063	12.83466	0
540	CXCL8	110.6205	5.196219	0.366186	14.19009	1.06E-45	5.19E-44	6.505036	5.474118	5.565851	247.7661	190.3808	208.0308
9340	LOC103235	3.982562	5.194778	1.719539	3.021029	0.002519	0.00717	0	0	0.695731	4.464254	10.69555	8.039836
10857	LOC103229	4.099669	5.193924	1.953301	2.65905	0.007836	0.019188	0	0	0.695731	8.928508	14.97377	0
9335	SHCBP1L	4.072121	5.192449	1.718003	3.022375	0.002508	0.007142	0	0	0.695731	11.16063	8.556443	4.019918
808	LOC103240	76.5844	5.192397	0.431494	12.03354	2.37E-33	7.79E-32	4.336691	4.379295	3.478657	136.1597	143.3204	167.8316
10984	LOC119628	4.059446	5.190101	1.971107	2.633089	0.008461	0.020477	0	0.547412	0	6.696381	17.11289	0
9665	LOC103236	4.068926	5.188826	1.764	2.941511	0.003266	0.008984	0	0.547412	0	11.16063	10.69555	2.009959
9432	GPR148	4.004088	5.187349	1.729071	3.000078	0.002699	0.007606	0	0	0.695731	4.464254	12.83466	6.029877
9433	BICDL2	4.004088	5.187349	1.729071	3.000078	0.002699	0.007606	0	0	0.695731	4.464254	12.83466	6.029877
13685	LOC103238	2.027602	5.187239	2.503394	2.072082	0.038258	0.074321	0	0	0	11.16063	0	1.004979
11113	CD5L	4.068664	5.186505	1.994662	2.600193	0.009317	0.022286	0	0	0.695731	4.464254	19.252	0
9685	MUC7	4.078144	5.184438	1.766341	2.935129	0.003334	0.009152	0	0	0.695731	8.928508	12.83466	2.009959
9450	GGT6	4.041116	5.184287	1.729442	2.997664	0.002721	0.007654	0	0	0.695731	6.696381	12.83466	4.019918
13378	TRNAM-Cd	1.990574	5.180727	2.431143	2.130984	0.03309	0.065758	0	0	0	8.928508	0	3.014938
4355	LOC119629	15.33672	5.173055	1.012177	5.110822	3.21E-07	1.96E-06	0	0.547412	2.087194	37.94616	36.36488	15.07469
7065	SFTPD	7.517994	5.172531	1.395725	3.705981	0.000211	0.000792	0	0.547412	0.695731	11.16063	25.66933	7.034856
12315	LOC119624	1.938044	5.170973	2.207504	2.342453	0.019157	0.041349	0	0	0	4.464254	2.139111	5.024897
7302	CTXND1	7.539519	5.170171	1.422491	3.634589	0.000278	0.001014	0	0.547412	0.695731	11.16063	27.80844	5.024897
12639	LOC103227	2.0121	5.168332	2.274372	2.272422	0.023061	0.048503	0	0	0	8.928508	2.139111	1.004979
12640	LOC119626	2.0121	5.168332	2.274372	2.272422	0.023061	0.048503	0	0	0	8.928508	2.139111	1.004979
4077	LOC103224	19.4749	5.168247	0.972367	5.31512	1.07E-07	6.95E-07	0	0	3.478657	22.32127	59.8951	31.15436
12309	LOC119624	1.975072	5.167925	2.206085	2.342577	0.019151	0.041346	0	0	0	6.696381	2.139111	3.014938
12310	LOC119627	1.975072	5.167925	2.206085	2.342577	0.019151	0.041346	0	0	0	6.696381	2.139111	3.014938
12311	LORICRIN	1.975072	5.167925	2.206085	2.342577	0.019151	0.041346	0	0	0	6.696381	2.139111	3.014938
12312	CPA2	1.975072	5.167925	2.206085	2.342577	0.019151	0.041346	0	0	0	6.696381	2.139111	3.014938
12314	LOC119627	1.975072	5.167925	2.206085	2.342577	0.019151	0.041346	0	0	0	6.696381	2.139111	3.014938
2296	LOC119628	29.54494	5.166834	0.696098	7.422563	1.15E-13	1.33E-12	1.084173	1.094824	2.782925	51.33892	72.72976	48.23901
12349	LOC119627	1.922541	5.162133	2.211451	2.334274	0.019581	0.042155	0	0	0	2.232127	4.278221	5.024897
5578	SLC8A3	11.09391	5.160914	1.177773	4.381925	1.18E-05	5.61E-05	0	1.094824	0.695731	26.78552	29.94755	8.039836
3734	LOC119627	23.22605	5.159989	0.919834	5.609699	2.03E-08	1.44E-07	0	0.547412	3.478657	62.49956	57.75599	15.07469
12203	IL21	1.959569	5.158573	2.180556	2.365715	0.017995	0.039194	0	0	0	4.464254	4.278221	3.014938
12204	LOC119627	1.959569	5.158573	2.180556	2.365715	0.017995	0.039194	0	0	0	4.464254	4.278221	3.014938
12205	IL17A	1.959569	5.158573	2.180556	2.365715	0.017995	0.039194	0	0	0	4.464254	4.278221	3.014938
12482	LOC119626	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12483	CUNH11or	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12484	LOC103247	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12486	BEND2	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12487	LOC119626	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12488	LOC119627	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12489	PRSS37	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
12490	LOC103237	1.996597	5.157301	2.239069	2.303324	0.021261	0.045253	0	0	0	6.696381	4.278221	1.004979
40	SHISAL1	872.7307	5.150748	0.161919	31.81056	4.62E-222	3.07E-219	45.53526	42.69812	56.35424	1649.542	1567.968	1874.287
10695	LOC103227	3.892579	5.150322	1.912452	2.693047	0.00708	0.0176	0	0	0.695731	15.62489	0	7.034856
12374	GZMB	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12375	NPY2R	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12376	LOC119628	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12377	LOC119628	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12378	LOC119627	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12379	LOC103237	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12380	LOC103237	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
12381	LOC119628	1.944066	5.150104	2.213665	2.326505	0.019992	0.042927	0	0	0	2.232127	6.417332	3.014938
13476	LOC119626	1.907038	5.148878	2.438474	2.111516	0.034728	0.0685	0	0	0	0	6.417332	5.024897
13477	LOC119624	1.907038	5.148878	2.438474	2.111516	0.034728	0.0685	0	0	0	0	6.417332	5.024897
13478	LOC103237	1.907038	5.148878	2.438474	2.111516	0.034728	0.0685	0	0	0	0	6.417332	5.024897



4584	MHC-DOA	15.14424	5.148586	1.039849	4.951283	7.37E-07	4.28E-06	0	0.547412	2.087194	31.24978	44.92132	12.05975
12527	LOC103215	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12528	MS4A14	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12529	LOC119624	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12530	LOC103218	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12532	DUOXA2	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12533	LOC119628	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12534	CALML5	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12535	LOC103215	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12537	LOC103247	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12538	LOC103228	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
12539	LOC103237	1.981094	5.148236	2.242746	2.295506	0.021704	0.046017	0	0	0	4.464254	6.417332	1.004979
422	CXCL1	140.5768	5.147389	0.334431	15.39147	1.87E-53	1.18E-51	5.420864	7.663765	10.43597	319.1942	237.4413	263.3046
7119	LOC103247	7.428011	5.147357	1.395035	3.689768	0.000224	0.000838	0	0.547412	0.695731	22.32127	14.97377	6.029877
13550	LOC119628	1.928564	5.14297	2.45093	2.098375	0.035872	0.070355	0	0	0	8.556443	3.014938	
13551	LOC119618	1.928564	5.14297	2.45093	2.098375	0.035872	0.070355	0	0	0	8.556443	3.014938	
13552	LOC119615	1.928564	5.14297	2.45093	2.098375	0.035872	0.070355	0	0	0	8.556443	3.014938	
13553	LOC119615	1.928564	5.14297	2.45093	2.098375	0.035872	0.070355	0	0	0	8.556443	3.014938	
13554	LOC119620	1.928564	5.14297	2.45093	2.098375	0.035872	0.070355	0	0	0	8.556443	3.014938	
12748	ANKRD7	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12749	LOC119627	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12750	LOC103216	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12751	LOC119615	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12752	LOC119615	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12753	LOC103214	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12754	LOC119620	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12755	LOC119620	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12756	PRR35	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12757	CD300LD	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12758	SPPL2C	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
12759	LOC119623	1.965592	5.140816	2.285736	2.249086	0.024507	0.051064	0	0	0	2.232127	8.556443	1.004979
7359	LRTM1	7.418531	5.140294	1.422414	3.613781	0.000302	0.00109	0	0.547412	0.695731	17.85702	21.39111	4.019918
13880	LOC119624	1.950089	5.139189	2.527484	2.033322	0.04202	0.080471	0	0	0	10.69555	1.004979	
13881	LOC119627	1.950089	5.139189	2.527484	2.033322	0.04202	0.080471	0	0	0	10.69555	1.004979	
13882	LOC103234	1.950089	5.139189	2.527484	2.033322	0.04202	0.080471	0	0	0	10.69555	1.004979	
9575	LOC119623	24.50977	5.139156	1.732238	2.966772	0.003009	0.008356	0	0	4.174388	44.64254	79.14709	19.09461
9919	AWAT1	3.93563	5.135714	1.7832	2.880054	0.003976	0.010657	0	0	0.695731	15.62489	4.278221	3.014938
10289	CD69	3.957155	5.134242	1.839572	2.790997	0.005255	0.013577	0	0	0.695731	15.62489	6.417332	1.004979
9618	HS3ST4	3.793541	5.13355	1.736812	2.955731	0.003119	0.008622	0	0	0.695731	4.464254	8.556443	9.044815
756	PILRA	102.0255	5.132079	0.412486	12.44184	1.55E-35	5.45E-34	3.252518	3.284471	11.1317	207.5878	216.0502	170.8465
4456	DYDC1	14.86566	5.131392	1.018633	5.037528	4.72E-07	2.81E-06	0	0.547412	2.087194	24.5534	44.92132	17.08465
9761	STPG3	3.920127	5.129326	1.760586	2.913419	0.003575	0.009737	0	0	0.695731	13.39276	6.417332	3.014938
5311	KLK1	15.37993	5.129163	1.136515	4.513064	6.39E-06	3.20E-05	0	0	2.782925	13.39276	62.03421	14.06971
8242	LOC103244	7.043315	5.127822	1.538407	3.333203	0.000859	0.002769	0	1.094824	0	15.62489	23.53022	2.009959
9540	KBTBD13	3.867597	5.125894	1.723425	2.974249	0.002937	0.008185	0	0	0.695731	8.928508	8.556443	5.024897
9617	LOC103237	3.827374	5.121722	1.732708	2.955907	0.003118	0.008618	0	0.547412	0	6.696381	10.69555	5.024897
9955	LOC119627	3.799563	5.121004	1.781996	2.873746	0.004056	0.010833	0	0	0.695731	2.232127	12.83466	7.034856
10264	FPR3	3.910647	5.118655	1.829417	2.79797	0.005142	0.01332	0	0	0.695731	8.928508	12.83466	1.004979
6150	LOC119624	11.11517	5.116494	1.248935	4.096686	4.19E-05	0.000181	0	0.547412	1.391463	20.08914	40.6431	4.019918
7626	ZC3H12D	6.932231	5.116454	1.454493	3.517689	0.000435	0.001518	0	1.094824	0	8.928508	23.53022	8.039836
9830	LOC103238	3.848899	5.11548	1.764633	2.898892	0.003745	0.010127	0	0.547412	0	6.696381	12.83466	3.014938
9811	LOC103247	3.873619	5.115322	1.762333	2.902586	0.003701	0.010029	0	0	0.695731	6.696381	12.83466	3.014938
10009	CD14	3.833396	5.112263	1.788611	2.858232	0.00426	0.011313	0	0.547412	0	4.464254	14.97377	3.014938
10011	LOC103230	3.833396	5.112263	1.788611	2.858232	0.00426	0.011313	0	0.547412	0	4.464254	14.97377	3.014938
10526	CCL19	3.879642	5.111633	1.866596	2.738478	0.006172	0.015587	0	0	0.695731	4.464254	17.11289	1.004979
10304	LOC103214	3.842614	5.109903	1.833141	2.787512	0.005311	0.013704	0	0	0.695731	2.232127	17.11289	3.014938
7259	LMLN2	7.351127	5.107567	1.399393	3.649844	0.000262	0.000961	0	0	1.391463	20.08914	8.556443	14.06971
4445	LOC119615	13.68314	5.102275	1.011033	5.046597	4.50E-07	2.69E-06	1.084173	1.094824	0	22.32127	38.50399	19.09461
5058	LY6L	15.10999	5.102081	1.095749	4.656249	3.22E-06	1.69E-05	0	0	2.782925	46.87467	29.94755	11.05477
5337	LOC103225	13.71807	5.101615	1.13464	4.496239	6.92E-06	3.45E-05	0	2.189647	0	35.71403	36.36488	8.039836
4480	KLK5	14.52465	5.097199	1.014558	5.02406	5.06E-07	3.00E-06	0	0.547412	2.087194	26.78552	40.6431	17.08465
5408	LOC119623	10.57352	5.096347	1.143031	4.458625	8.25E-06	4.05E-05	0.542086	0	1.391463	24.5534	12.83466	24.11951
3345	ITGA9	21.06396	5.089373	0.848219	6.00007	1.97E-09	1.57E-08	1.084173	1.094824	1.391463	49.10679	55.61688	18.08963
8112	LOC103227	6.869796	5.088356	1.507309	3.375788	0.000736	0.002412	0	1.094824	0	17.85702	19.252	3.014938
5822	LOC103238	11.12183	5.087021	1.193675	4.261645	2.03E-05	9.27E-05	0	0	2.087194	26.78552	27.80844	10.04979
348	PIK3IP1	169.632	5.086733	0.309387	16.44132	9.68E-61	7.39E-59	9.757555	10.94824	8.348776	334.819	260.9715	392.947
16	SLC2A2	2269.865	5.08617	0.11719	43.40113	0	0	130.6428	115.5039	144.7121	4357.112	4348.812	4522.408
7507	LOC103215	7.39072	5.084195	1.429791	3.555901	0.000377	0.001334	0	0	1.391463	13.39276	23.53022	6.029877
5931	TF	10.50788	5.081464	1.211791	4.193349	2.75E-05	0.000123	0	1.094824	0.695731	17.85702	36.36488	7.034856
8074	LOC103237	6.786259	5.078475	1.497646	3.390971	0.000696	0.002293	0	1.094824	0	8.928508	25.66933	5.024897
5593	LOC103247	10.74059	5.078409	1.1604	4.37643	1.21E-05	5.73E-05	0	0.547412	1.391463	26.78552	25.66933	10.04979
6388	CDH12	10.44456	5.066568	1.271974	3.983232	6.80E-05	0.000283	0.542086	0.547412	0.695731	26.78552	32.08666	2.009959
7385	ERVV-2	7.226681	5.062957	1.404107	3.60582	0.000311	0.00112	0	0	1.391463	20.08914	12.83466	9.044815
15398	LOC119620	1.860106	5.062307	2.876798	1.759702	0.078458	0.135451	0	0	0	11.16063	0	0



9782	DUSP21	3.678575	5.061873	1.740027	2.909077	0.003625	0.009852	0	0	0.695731	8.928508	6.417332	6.029877
9914	LOC119622	3.601324	5.061291	1.756739	2.881072	0.003963	0.010628	0	0.547412	0	4.464254	8.556443	8.039836
10243	LOC119622	3.752631	5.058593	1.803799	2.80441	0.005041	0.013083	0	0	0.695731	13.39276	6.417332	2.009959
9950	LOC103222	3.690883	5.058497	1.759339	2.875226	0.004037	0.010787	0	0.547412	0	11.16063	6.417332	4.019918
9925	ATP1B2	3.715603	5.058355	1.756888	2.879156	0.003987	0.010681	0	0	0.695731	11.16063	6.417332	4.019918
3870	FBN2	17.50852	5.057384	0.923253	5.477786	4.31E-08	2.96E-07	0	1.094824	2.087194	35.71403	47.06043	19.09461
7465	LOC119622	7.232703	5.05592	1.414268	3.574938	0.00035	0.001248	0	0	1.391463	17.85702	17.11289	7.034856
7397	CCRL2	7.180173	5.055387	1.403901	3.600956	0.000317	0.001139	0	0	1.391463	13.39276	19.252	9.044815
9896	PEAK3	3.7001	5.053203	1.751172	2.885611	0.003907	0.010495	0	0	0.695731	8.928508	8.556443	4.019918
4870	LOC119622	13.95051	5.051994	1.061509	4.759257	1.94E-06	1.06E-05	0	1.094824	1.391463	37.94616	34.22577	9.044815
9977	LOC103242	3.659877	5.048892	1.760674	2.86759	0.004136	0.011021	0	0.547412	0	6.696381	10.69555	4.019918
9966	RBMXL2	3.684597	5.048762	1.758191	2.871566	0.004084	0.010894	0	0	0.695731	6.696381	10.69555	4.019918
9967	GJD2	3.684597	5.048762	1.758191	2.871566	0.004084	0.010894	0	0	0.695731	6.696381	10.69555	4.019918
5753	LOC103222	10.54208	5.048549	1.17469	4.29777	1.73E-05	7.97E-05	0	0.547412	1.391463	22.32127	29.94755	9.044815
4966	LOC103242	14.49641	5.048067	1.072753	4.705714	2.53E-06	1.35E-05	0	0	2.782925	40.17829	29.94755	14.06971
10216	LOC103212	3.721625	5.047889	1.79512	2.812006	0.004923	0.012811	0	0	0.695731	8.928508	10.69555	2.009959
10217	LOC103222	3.721625	5.047889	1.79512	2.812006	0.004923	0.012811	0	0	0.695731	8.928508	10.69555	2.009959
8023	AVPR1A	7.275754	5.045044	1.481319	3.405779	0.00066	0.002186	0	0	1.391463	17.85702	21.39111	3.014938
14070	DHRS7C	1.823078	5.044765	2.522819	1.999654	0.045538	0.086036	0	0	0	8.928508	0	2.009959
14071	LOC103212	1.823078	5.044765	2.522819	1.999654	0.045538	0.086036	0	0	0	8.928508	0	2.009959
7345	ART1	6.823917	5.044419	1.394238	3.618047	0.000297	0.001074	0	0.547412	0.695731	20.08914	8.556443	11.05477
11140	FBXW12	3.616564	5.044383	1.944801	2.593778	0.009493	0.022654	0	0	0.695731	0	14.97377	6.029877
3925	PHACTR3	17.34102	5.041474	0.929313	5.424946	5.80E-08	3.93E-07	0	1.094824	2.087194	35.71403	47.06043	18.08963
14341	LOC103222	1.844603	5.041057	2.579562	1.95423	0.050674	0.093932	0	0	0	8.928508	2.139111	0
14342	LOC119622	1.844603	5.041057	2.579562	1.95423	0.050674	0.093932	0	0	0	8.928508	2.139111	0
13975	LOC103222	1.78605	5.040639	2.499483	2.016673	0.04373	0.083188	0	0	0	6.696381	0	4.019918
10450	LOC119612	3.69062	5.040357	1.829522	2.755013	0.005869	0.014929	0	0	0.695731	4.464254	14.97377	2.009959
10451	LOC103242	3.69062	5.040357	1.829522	2.755013	0.005869	0.014929	0	0	0.695731	4.464254	14.97377	2.009959
10726	LOC103222	3.675117	5.038148	1.875941	2.685665	0.007239	0.017941	0	0	0.695731	2.232127	17.11289	2.009959
5929	TMEM30B	10.7498	5.03579	1.200547	4.194579	2.73E-05	0.000123	0	0	2.087194	24.5534	27.80844	10.04979
7850	LOC119622	6.909131	5.032403	1.45743	3.452929	0.000555	0.001878	0.542086	0	0.695731	20.08914	17.11289	3.014938
12937	LOC119622	1.770547	5.031791	2.271345	2.215335	0.026737	0.054941	0	0	0	4.464254	2.139111	4.019918
14203	LOC103222	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14204	ASPN	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14205	WNT6	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14206	LOC119612	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14207	LOC119622	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14208	TMPRSS11	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14209	LOC119622	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14210	RAB19	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
14211	LOC119622	1.8291	5.028896	2.545126	1.975893	0.048167	0.090108	0	0	0	6.696381	4.278221	0
13026	LOC103212	1.807575	5.028343	2.286463	2.19918	0.027865	0.056857	0	0	0	6.696381	2.139111	2.009959
13027	LOC103232	1.807575	5.028343	2.286463	2.19918	0.027865	0.056857	0	0	0	6.696381	2.139111	2.009959
13028	TAS2R40	1.807575	5.028343	2.286463	2.19918	0.027865	0.056857	0	0	0	6.696381	2.139111	2.009959
13029	PPP1R2C	1.807575	5.028343	2.286463	2.19918	0.027865	0.056857	0	0	0	6.696381	2.139111	2.009959
12984	ANGPTL5	1.755044	5.022085	2.276011	2.206529	0.027347	0.055989	0	0	0	2.232127	4.278221	4.019918
12985	LOC119622	1.755044	5.022085	2.276011	2.206529	0.027347	0.055989	0	0	0	2.232127	4.278221	4.019918
8947	TEX55	6.534802	5.018661	1.602011	3.132725	0.001732	0.005146	0	1.094824	0	17.85702	19.252	1.004979
14253	LOC103242	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14255	LOC119622	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14257	NXPE1	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14258	LOC119612	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14259	LOC119612	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14260	LOC119612	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14261	LOC103222	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14262	LOC103232	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
14263	LOC103242	1.813598	5.018419	2.550713	1.967457	0.049131	0.091575	0	0	0	4.464254	6.417332	0
12902	LCE6A	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12903	CSR3	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12904	SLC7A13	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12905	TAAR8	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12906	LOC119622	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12908	CETN1	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12909	F13B	1.792072	5.017677	2.261639	2.218602	0.026514	0.054578	0	0	0	4.464254	4.278221	2.009959
12910	FMO3	1.792072											



14475	TCHHL1	1.798095	5.009415	2.596405	1.929366	0.053685	0.098579	0	0	0	2.232127	8.556443	0
14476	LOC103231	1.798095	5.009415	2.596405	1.929366	0.053685	0.098579	0	0	0	2.232127	8.556443	0
14477	LOC119621	1.798095	5.009415	2.596405	1.929366	0.053685	0.098579	0	0	0	2.232127	8.556443	0
14478	LOC103231	1.798095	5.009415	2.596405	1.929366	0.053685	0.098579	0	0	0	2.232127	8.556443	0
13134	LOC103231	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13135	TAAR4	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13136	LOC103211	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13137	NXPH2	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13140	LRRC52	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13141	TMPRSS11	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13142	LOC119621	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
13143	MAGEE2	1.77657	5.008656	2.295441	2.182001	0.029109	0.058881	0	0	0	2.232127	6.417332	2.009959
15685	GUCA2B	1.782592	5.007607	2.912289	1.719475	0.085528	0.144927	0	0	0	0	10.69555	0
15686	LOC119624	1.782592	5.007607	2.912289	1.719475	0.085528	0.144927	0	0	0	0	10.69555	0
15687	LHCGR	1.782592	5.007607	2.912289	1.719475	0.085528	0.144927	0	0	0	0	10.69555	0
15688	LYZL1	1.782592	5.007607	2.912289	1.719475	0.085528	0.144927	0	0	0	0	10.69555	0
15689	LOC119619	1.782592	5.007607	2.912289	1.719475	0.085528	0.144927	0	0	0	0	10.69555	0
6132	ATP13A5	10.01488	5.006453	1.219846	4.104168	4.06E-05	0.000176	0	1.094824	0.695731	22.32127	29.94755	6.029877
8053	LOC103241	7.055727	5.003773	1.472438	3.398291	0.000678	0.002239	0	0	1.391463	13.39276	23.53022	4.019918
14277	TEX53	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14278	LOC119620	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14279	LOC119624	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14281	LOC119620	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14282	LOC119620	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14284	LOC103241	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
14285	ZBPB2	1.761067	5.003162	2.545991	1.965114	0.049401	0.091938	0	0	0	0	8.556443	2.009959
7955	LOC119621	6.966168	5.001913	1.460937	3.423771	0.000618	0.002064	0	0	1.391463	6.696381	25.66933	8.039836
5737	TNF	10.17954	5.001773	1.161504	4.306289	1.66E-05	7.69E-05	0	0.547412	1.391463	24.5534	23.53022	11.05477
8139	LOC119620	6.987693	4.996885	1.483895	3.367411	0.000759	0.002478	0	0	1.391463	6.696381	27.80844	6.029877
6014	GJA10	10.20709	4.994586	1.201056	4.158496	3.20E-05	0.000142	0	0.547412	1.391463	22.32127	29.94755	7.034856
4825	LOC119621	13.38344	4.994583	1.041427	4.795902	1.62E-06	8.92E-06	0	1.094824	1.391463	37.94616	27.80844	12.05975
7559	CLEC4E	6.759078	4.991357	1.410524	3.538654	0.000402	0.001414	0	0	1.391463	13.39276	10.69555	15.07469
10143	LOC119620	3.44933	4.990156	1.764759	2.82767	0.004689	0.012289	0	0.547412	0	6.696381	6.417332	7.034856
8206	INSM1	6.727019	4.987756	1.491406	3.344331	0.000825	0.002672	0	0.547412	0.695731	17.85702	19.252	2.009959
7619	GABRR1	6.652963	4.98612	1.416564	3.519869	0.000432	0.001507	0	0.547412	0.695731	13.39276	19.252	6.029877
7836	EGFL6	6.689991	4.985713	1.442348	3.456663	0.000547	0.001855	0	0.547412	0.695731	15.62489	19.252	4.019918
10152	LOC103244	3.511078	4.985473	1.764661	2.825173	0.004726	0.012375	0	0	0.695731	8.928508	6.417332	5.024897
7622	CLEC6A	6.600432	4.985297	1.416513	3.519414	0.000433	0.001509	0	0.547412	0.695731	8.928508	21.39111	8.039836
10331	LOC119619	3.548106	4.982581	1.791461	2.781295	0.005414	0.013933	0	0	0.695731	11.16063	6.417332	3.014938
10195	TTC29	3.470855	4.98059	1.768118	2.816887	0.004849	0.012644	0	0.547412	0	6.696381	8.556443	5.024897
10196	LOC119621	3.470855	4.98059	1.768118	2.816887	0.004849	0.012644	0	0.547412	0	6.696381	8.556443	5.024897
4019	GALNTL6	20.84901	4.980587	0.929685	5.357287	8.45E-08	5.59E-07	0	0	4.174388	40.17829	55.61688	25.12449
6412	LOC119621	10.46734	4.980584	1.253101	3.974608	7.05E-05	0.000292	0	0	2.087194	29.01765	25.66933	6.029877
5097	LOC119621	13.6032	4.980387	1.075423	4.631095	3.64E-06	1.90E-05	0	0.547412	2.087194	35.71403	34.22577	9.044815
10780	CUNH13or	3.544911	4.980243	1.862868	2.673428	0.007508	0.018511	0	0.547412	0	11.16063	8.556443	1.004979
7943	SYCE1	6.913213	4.976458	1.452832	3.425349	0.000614	0.002055	0	0	1.391463	20.08914	14.97377	5.024897
10384	LOC119621	3.492381	4.972557	1.79564	2.769239	0.005619	0.014384	0	0.547412	0	6.696381	10.69555	3.014938
10385	LOC119619	3.492381	4.972557	1.79564	2.769239	0.005619	0.014384	0	0.547412	0	6.696381	10.69555	3.014938
10893	CYLC2	3.513906	4.970394	1.874401	2.651724	0.008008	0.019544	0	0.547412	0	6.696381	12.83466	1.004979
10870	FOXB2	3.538626	4.970179	1.871663	2.655488	0.007919	0.019365	0	0	0.695731	6.696381	12.83466	1.004979
10871	SLC17A6	3.538626	4.970179	1.871663	2.655488	0.007919	0.019365	0	0	0.695731	6.696381	12.83466	1.004979
10872	LOC103211	3.538626	4.970179	1.871663	2.655488	0.007919	0.019365	0	0	0.695731	6.696381	12.83466	1.004979
5250	CYP4F8	13.22799	4.969921	1.091575	4.552981	5.29E-06	2.68E-05	0	1.094824	1.391463	33.4819	36.36488	7.034856
11035	LOC103220	3.523123	4.96647	1.894605	2.621375	0.008758	0.021098	0	0	0.695731	4.464254	14.97377	1.004979
11317	LOC103221	3.482901	4.964184	1.94343	2.554341	0.010639	0.024992	0	0.547412	0	2.232127	17.11289	1.004979
6127	LOC119624	9.971562	4.963301	1.208896	4.105647	4.03E-05	0.000175	0	0.547412	1.391463	15.62489	34.22577	8.039836
8406	LOC103236	6.681565	4.959008	1.511378	3.281116	0.001034	0.00327	0	0	1.391463	2.232127	21.39111	15.07469
8208	TMEM213	6.584505	4.956609	1.482192	3.344106	0.000825	0.002674	0	0.547412	0.695731	24.5534	10.69555	3.014938
8965	SLC6A14	6.909755	4.954291	1.584092	3.127528	0.001763	0.005228	0	0	1.391463	13.39276	25.66933	1.004979
8162	POU4F2	6.569003	4.95323	1.473789	3.36088	0.000777	0.002531	0	0.547412	0.695731	22.32127	12.83466	3.014938
3428	IL1RL2	19.26435	4.949665	0.836386	5.917921	3.26E-09	2.53E-08	0.542086	1.094824	2.087194	31.24978	53.47777	27.13445
7828	MEP1B	6.516472	4.949317	1.430924	3.458826	0.000543	0.001843	0	0.547412	0.695731	17.85702	14.97377	5.024897
6668	TEX15	10.25334	4.945856	1.278075	3.869771	0.000109	0.000434	0	0	2.087194	22.32127	32.08666	5.024897
7718	LOC119621	6.448438	4.94529	1.417909	3.487736	0.000487	0.001678	0	0.547412	0.695731	11.16063	19.252	7.034856
6705	LOC103221	10.23783	4.94341	1.283048	3.852863	0.000117	0.000463	0	0	2.087194	20.08914	34.22577	5.024897
7826	PRSS57	6.687163	4.942005	1.428704	3.459083	0.000542	0.001841	0	0	1.391463	17.85702	12.83466	8.039836
7784	PGLYRP4	6.61913	4.938454	1.4232	3.469964	0.000521	0.001778	0	0	1.391463	11.16063	17.11289	10.04979
8337	LOC103241	6.475986	4.936687	1.495176	3.301744	0.000961	0.003064	0	0.547412	0.695731	8.928508	25.66933	3.014938
4819	LOC103211	12.73886	4.929014	1.026678	4.800937	1.58E-06	8.71E-06	0	1.094824	1.391463	26.78552	32.08666	15.07469
3494	FAM163A	23.06731	4.928172	0.840632	5.86246	4.56E-09	3.47E-08	0	0.547412	4.174388	44.64254	59.8951	29.1444
8229	LOC119621	6.714711	4.928	1.476617	3.337357	0.000846	0.002732	0	0	1.391463	15.62489	19.252	4.019918
8230	NPAP1	6.714711	4.928	1.476617	3.337357	0.000846	0.002732	0	0	1.391463	15.62489	19.252	4.019918
6263	LOC103241	10.00576	4.927395	1.218247	4.044659	5.24E-05	0.000222	0	0	2.087194	20.08914	27.80844	10.04979
8099	LOC119624	6.66218	4.92709	1.457557	3.380376	0.000724	0.002376	0	0	1.391463	11.16063	21.39111	6.029877



8100	PLCXD3	6.66218	4.92709	1.457557	3.380376	0.000724	0.002376	0	0	1.391463	11.16063	21.39111	6.029877
8269	LOC103232	6.699208	4.92472	1.482024	3.32297	0.000891	0.002863	0	0	1.391463	13.39276	21.39111	4.019918
6584	DNPH1	9.442577	4.923242	1.25981	3.907923	9.31E-05	0.000376	1.084173	0	0.695731	15.62489	34.22577	5.024897
7851	CPS1	6.007759	4.921758	1.425438	3.452804	0.000555	0.001879	0.542086	0.547412	0	8.928508	14.97377	11.05477
4532	TM45F18	15.80281	4.919794	0.985259	4.993402	5.93E-07	3.48E-06	0	1.642235	1.391463	37.94616	42.78221	11.05477
8387	CLCA4	6.104228	4.918147	1.496348	3.286768	0.001013	0.003212	0	1.094824	0	13.39276	17.11289	5.024897
11947	LOC103247	3.417638	4.917574	2.036505	2.414713	0.015748	0.035042	0	0	0.695731	13.39276	6.417332	0
8259	RLN2	6.0672	4.917172	1.478125	3.326627	0.000879	0.00283	0	1.094824	0	11.16063	17.11289	7.034856
8457	TEX33	6.668203	4.917038	1.505508	3.266033	0.001091	0.003429	0	0	1.391463	8.928508	25.66933	4.019918
10560	LOC103247	3.269526	4.914384	1.799601	2.730818	0.006318	0.015905	0	0	0.695731	4.464254	6.417332	8.039836
6252	LOC103227	9.615043	4.908685	1.211984	4.050122	5.12E-05	0.000218	0	0.547412	1.391463	15.62489	32.08666	8.039836
7891	LOC119618	6.311947	4.906941	1.424615	3.444398	0.000572	0.001928	0	0.547412	0.695731	15.62489	14.97377	6.029877
10566	CATSPERB	3.318862	4.90503	1.797105	2.729407	0.006345	0.015964	0	0.547412	0	8.928508	6.417332	4.019918
4636	DPPA4	15.65081	4.904109	0.995588	4.925844	8.40E-07	4.82E-06	0	1.642235	1.391463	40.17829	40.6431	10.04979
10825	LOC103218	3.35589	4.903643	1.839813	2.665295	0.007692	0.018887	0	0.547412	0	11.16063	6.417332	2.009959
10826	LOC103218	3.35589	4.903643	1.839813	2.665295	0.007692	0.018887	0	0.547412	0	11.16063	6.417332	2.009959
10827	LOC103247	3.35589	4.903643	1.839813	2.665295	0.007692	0.018887	0	0.547412	0	11.16063	6.417332	2.009959
7892	LOC103234	6.44561	4.903504	1.423635	3.444355	0.000572	0.001928	0	0	1.391463	13.39276	12.83466	11.05477
10807	LOC103218	3.38061	4.903419	1.83694	2.669341	0.0076	0.018694	0	0	0.695731	11.16063	6.417332	2.009959
10808	SPATA12	3.38061	4.903419	1.83694	2.669341	0.0076	0.018694	0	0	0.695731	11.16063	6.417332	2.009959
12050	MEPE	3.346409	4.90026	2.044105	2.397264	0.016518	0.036442	0	0.547412	0	6.696381	12.83466	0
10589	CXCR5	3.303359	4.899752	1.797996	2.725118	0.006428	0.016138	0	0.547412	0	6.696381	8.556443	4.019918
6400	FOLR2	9.838265	4.898168	1.230728	3.979895	6.89E-05	0.000286	0	0	2.087194	20.08914	27.80844	9.044815
10805	LOC103247	3.339499	4.897738	1.834698	2.669506	0.007596	0.01869	0.542086	0	0	8.928508	8.556443	2.009959
10773	CBLIF	3.365107	4.897508	1.831704	2.673744	0.007501	0.018509	0	0	0.695731	8.928508	8.556443	2.009959
10774	LOC103218	3.365107	4.897508	1.831704	2.673744	0.007501	0.018509	0	0	0.695731	8.928508	8.556443	2.009959
5409	CCDC166	13.06128	4.896582	1.09831	4.458286	8.26E-06	4.06E-05	0	0	2.782925	17.85702	40.6431	17.08465
6104	SFTPB	9.243285	4.896106	1.188576	4.119304	3.80E-05	0.000166	0	1.094824	0.695731	20.08914	23.53022	10.04979
8020	LOC103237	6.414605	4.895836	1.437194	3.406525	0.000658	0.002181	0	0	1.391463	8.928508	17.11289	11.05477
12174	PROKR2	3.355627	4.895506	2.064653	2.371103	0.017735	0.038729	0	0	0.695731	4.464254	14.97377	0
10689	LOC119627	3.287856	4.895161	1.816409	2.694967	0.00704	0.017508	0	0.547412	0	4.464254	10.69555	4.019918
10669	FAM83F	3.312576	4.895045	1.813444	2.699309	0.006948	0.017312	0	0	0.695731	4.464254	10.69555	4.019918
10670	LOC119618	3.312576	4.895045	1.813444	2.699309	0.006948	0.017312	0	0	0.695731	4.464254	10.69555	4.019918
10849	LOC103218	3.349604	4.892527	1.838743	2.660799	0.007796	0.019101	0	0	0.695731	6.696381	10.69555	2.009959
10850	LOC119627	3.349604	4.892527	1.838743	2.660799	0.007796	0.019101	0	0	0.695731	6.696381	10.69555	2.009959
10990	LOC103247	3.297073	4.891203	1.858728	2.631479	0.008501	0.020565	0	0	0.695731	2.232127	12.83466	4.019918
6117	PGLYRP3	9.488032	4.890259	1.189522	4.111112	3.94E-05	0.000171	0	0.547412	1.391463	24.5534	21.39111	9.044815
11861	LOC103237	3.281571	4.889268	2.008707	2.434037	0.014931	0.033467	0	0	0.695731	0	14.97377	4.019918
6599	TAF2	9.754729	4.889007	1.25248	3.90346	9.48E-05	0.000382	0	0	2.087194	11.16063	34.22577	11.05477
3528	SGPP2	18.56744	4.886409	0.83843	5.828044	5.61E-09	4.23E-08	0.542086	0.547412	2.782925	42.41041	29.94755	35.17428
4843	LOC103227	16.32693	4.882504	1.019981	4.78686	1.69E-06	9.30E-06	0	0	3.478657	33.4819	44.92132	16.07967
13813	TCF24	1.566022	4.88084	2.386368	2.045301	0.040825	0.078572	0	0	0	2.232127	2.139111	5.024897
6586	GJA8	9.484575	4.878992	1.249046	3.906174	9.38E-05	0.000379	0	0.547412	1.391463	17.85702	32.08666	5.024897
8669	CKM	5.952234	4.877767	1.518839	3.21151	0.00132	0.004049	0	1.094824	0	15.62489	14.97377	4.019918
13663	FGG	1.603051	4.877359	2.349783	2.075664	0.037925	0.073782	0	0	0	4.464254	2.139111	3.014938
13665	LOC103218	1.603051	4.877359	2.349783	2.075664	0.037925	0.073782	0	0	0	4.464254	2.139111	3.014938
13900	LOC119624	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13901	LOC103235	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13902	CXCR6	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13903	LOC119618	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13904	PRSS38	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13905	LOC119620	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13906	LOC119627	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
13907	LOC119627	1.640079	4.874752	2.401963	2.029486	0.042409	0.08107	0	0	0	6.696381	2.139111	1.004979
8619	EVX1	6.463678	4.87396	1.511717	3.224122	0.001264	0.003898	0	0	1.391463	6.696381	25.66933	5.024897
15052	LOC119627	1.528994	4.868089	1.823973	2.068156	0.120378	0.000762	0	0	0	0	2.139111	7.034856
7008	LOC119627	9.77583	4.867919	1.305091	3.729946	0.000192	0.000727	0	0	2.087194	29.01765	23.53022	4.019918
13715	LOC119620	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13717	LOC119618	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13718	LOC103225	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13719	LOC103225	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13720	HS3ST2	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13722	LOC103245	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
13723	LOC103235	1.587548	4.866583	2.355373	2.066163	0.038813	0.075197	0	0	0	2.232127	4.278221	3.014938
6625	LOC103246	9.655266	4.865664	1.250402	3.89128	9.97E-05	0.0004	0	0	2.087194	17.85702	29.94755	8.039836
8142	LOC103226	6.159953	4.865161	1.445246	3.366321	0.000762	0.002487	0	0.547412	0.695731	17.85702	12.83466	5.024897
8143	AICDA	6.159953	4.865161	1.445246	3.366321	0.000762	0.002487	0	0.547412	0.695731	17.85702	12.83466	5.024897
6628	LOC103218	9.118839	4.864973	1.250894	3.889198	0.000101	0.000403	0	1.094824	0.695731	20.08914	27.80844	5.024897
14879	LOC119618	1.55052	4.863133	2.617493	1.857936	0.063178	0.112845	0	0	0	0	4.278221	5.024897
13820	LOC119620	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13822	LHFPL4	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13823	LOC119627	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13824	LOC119628	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13826	LOC119618	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979



13827	LOC103235	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13828	LOC119625	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13830	LOC103235	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
13831	LOC119625	1.624576	4.862547	2.378649	2.044248	0.040929	0.078671	0	0	0	4.464254	4.278221	1.004979
8588	RHCG	5.985971	4.85918	1.50299	3.23301	0.001225	0.003792	0.542086	0	0.695731	2.232127	21.39111	11.05477
8082	LBX2	6.278114	4.858985	1.434384	3.387505	0.000705	0.00232	0	0	1.391463	13.39276	12.83466	10.04979
8320	RFX8	6.023887	4.856969	1.468232	3.308039	0.00094	0.003002	0	0.547412	0.695731	4.464254	21.39111	9.044815
14878	GZMK	1.572045	4.855422	2.613323	1.85795	0.063176	0.112845	0	0	0	0	6.417332	3.014938
14880	LOC103215	1.572045	4.855422	2.613323	1.85795	0.063176	0.112845	0	0	0	0	6.417332	3.014938
14881	LOC119618	1.572045	4.855422	2.613323	1.85795	0.063176	0.112845	0	0	0	0	6.417332	3.014938
14884	LOC119618	1.572045	4.855422	2.613323	1.85795	0.063176	0.112845	0	0	0	0	6.417332	3.014938
20	C3	22604.7	4.853395	0.126933	38.23588	0	0	1350.879	1811.933	1371.287	42519.79	40688.02	47886.27
8273	CDH19	6.35217	4.853366	1.461166	3.32157	0.000895	0.002876	0	0	1.391463	17.85702	12.83466	6.029877
13992	LOC103215	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13993	LOC103215	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13995	LOC119625	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13996	LOC103225	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13997	LOC119625	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13998	LOC103235	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
13999	LOC119625	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14001	LOC103215	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14003	LOC119615	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14004	LOC103235	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14005	LOC103235	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14006	TEKT1	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14007	EDDM3B	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14008	LOC103235	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14009	LOC119625	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
14010	CACNG1	1.609073	4.852649	2.412805	2.011207	0.044304	0.084069	0	0	0	2.232127	6.417332	1.004979
8590	SCRG1	6.404701	4.852604	1.501272	3.232329	0.001228	0.0038	0	0	1.391463	22.32127	10.69555	4.019918
2595	LOC103235	27.00619	4.85123	0.694234	6.987884	2.79E-12	2.86E-11	1.084173	1.642235	2.782925	64.73168	55.61688	36.17926
15124	LOC119625	1.59357	4.848859	2.679551	1.809579	0.070361	0.123656	0	0	0	0	8.556443	1.004979
15125	LOC119615	1.59357	4.848859	2.679551	1.809579	0.070361	0.123656	0	0	0	0	8.556443	1.004979
15126	LOC103215	1.59357	4.848859	2.679551	1.809579	0.070361	0.123656	0	0	0	0	8.556443	1.004979
15127	LOC103235	1.59357	4.848859	2.679551	1.809579	0.070361	0.123656	0	0	0	0	8.556443	1.004979
2210	LOC103235	32.66754	4.845532	0.638981	7.583215	3.37E-14	4.06E-13	1.626259	1.642235	3.478657	87.05295	44.92132	57.28383
11974	LOC119625	3.185565	4.845444	2.009556	2.411201	0.0159	0.035302	0	0	0.695731	13.39276	0	5.024897
6715	LOC119625	9.518775	4.840228	1.257268	3.849798	0.000118	0.000468	0	0	2.087194	22.32127	25.66933	7.034856
5099	THEG	11.97932	4.839238	1.045368	4.629218	3.67E-06	1.91E-05	0	1.094824	1.391463	20.08914	34.22577	15.07469
11763	NLRP14	3.218511	4.838596	1.970641	2.455341	0.014075	0.031803	0.542086	0	0	15.62489	2.139111	1.004979
4284	KCNQ3	18.43822	4.836869	0.936468	5.165015	2.40E-07	1.49E-06	0.542086	0.547412	2.782925	37.94616	57.75599	11.05477
11120	MUC15	3.170062	4.836709	1.861871	2.597769	0.009383	0.022433	0	0	0.695731	11.16063	2.139111	5.024897
8024	SBK3	5.85896	4.834685	1.420143	3.404364	0.000663	0.002197	0.542086	0	0.695731	11.16063	10.69555	12.05975
5679	FAM180A	12.62683	4.83452	1.114841	4.33651	1.45E-05	6.78E-05	0	0	2.782925	24.5534	36.36488	12.05975
7418	TMEM211	8.856551	4.831407	1.344782	3.592705	0.000327	0.001173	1.084173	0	0.695731	6.696381	40.6431	4.019918
10923	LOC103225	3.128952	4.83028	1.825134	2.646535	0.008132	0.019792	0.542086	0	0	8.928508	4.278221	5.024897
10895	LOC103235	3.102029	4.829848	1.82169	2.651301	0.008018	0.019565	0	0	0.695731	4.464254	6.417332	7.034856
5113	TH	15.83994	4.829673	1.044965	4.62185	3.80E-06	1.98E-05	0	0	3.478657	35.71403	42.78221	13.06473
11542	LOC103225	3.203896	4.829333	1.927675	2.505263	0.012236	0.028181	0	0.547412	0	13.39276	4.278221	1.004979
3110	PVRIG	23.87981	4.828727	0.770242	6.269102	3.63E-10	3.10E-09	0.542086	1.642235	2.782925	46.87467	66.31243	25.12449
11062	LOC119618	3.191588	4.826523	1.847273	2.612783	0.008981	0.021581	0	0	0.695731	11.16063	4.278221	3.014938
34	PLEK	890.2486	4.825235	0.146748	32.88116	4.09E-237	3.20E-234	52.04029	64.59459	66.09448	1736.595	1651.393	1770.774
10836	LOC103235	3.139057	4.824457	1.811641	2.663031	0.007744	0.018997	0	0	0.695731	6.696381	6.417332	5.024897
10837	LOC103235	3.139057	4.824457	1.811641	2.663031	0.007744	0.018997	0	0	0.695731	6.696381	6.417332	5.024897
6381	CDH15	9.175618	4.823828	1.209987	3.986676	6.70E-05	0.000279	0	0	2.087194	15.62489	19.252	18.08963
11455	LOC103235	3.187505	4.821868	1.909103	2.525724	0.011546	0.026796	0.542086	0	0	11.16063	6.417332	1.004979
4100	NKX6-3	21.75488	4.821071	0.910323	5.296003	1.18E-07	7.67E-07	0	0.547412	4.174388	42.41041	66.31243	17.08465
12036	CLIC3	3.049498	4.820207	2.008583	2.399805	0.016404	0.03623	0	0	0.695731	0	8.556443	9.044815
12037	LOC119625	3.049498	4.820207	2.008583	2.399805	0.016404	0.03623	0	0	0.695731	0	8.556443	9.044815
5613	OPTC	12.48431	4.819984	1.103949	4.366128	1.26E-05	5.99E-05	0	0	2.782925	31.24978	27.80844	13.06473
430	ZNF227	130.4179	4.816124	0.314423	15.31733	5.86E-53	3.62E-51	10.84173	8.758589	6.957314	238.8376	258.8324	258.2797
11438	RFPL4A	3.172003	4.815508	1.904142	2.528964	0.01144	0.02659	0.542086	0	0	8.928508	8.556443	1.004979
11437	IL9	3.17289	4.815498	1.904027	2.529113	0.011435	0.026581	0	0.547412	0	8.928508	8.556443	1.004979
11030	NCR1	3.135862	4.814416	1.835245	2.623309	0.008708	0.020988	0	0.547412	0	6.696381	8.556443	3.014938
11228	LOC103225	3.083332	4.81414	1.869779	2.574711	0.010032	0.023752	0	0.547412	0	2.232127	10.69555	5.024897
11229	LOC103225	3.083332	4.81414	1.869779	2.574711	0.010032	0.023752	0	0.547412	0	2.232127	10.69555	5.024897
7220	KLK9	9.419312	4.810617	1.313958	3.661164	0.000251	0.000924	0	0	2.087194	29.01765	21.39111	4.019918
5350	SLC7A14	12.1091	4.810415	1.071543	4.48924	7.15E-06	3.55E-05	0	0.547412	2.087194	29.01765	29.94755	11.05477
11479	ANO9	3.182108	4.809835	1.907868	2.521052	0.0117	0.027095	0	0	0.695731	6.696381	10.69555	1.004979
11480	LOC103245	3.182108	4.809835	1.907868	2.521052	0.0117	0.027095	0	0	0.695731	6.696381	10.69555	1.004979
11135	PPP1R17	3.12036	4.809671	1.853611	2.594757	0.009466	0.022596	0	0.547412	0	4.464254	10.69555	3.014938
11137	MC2R	3.12036	4.809671	1.853611	2.594757	0.009466	0.022596	0	0.547412	0	4.464254	10.69555	3.014938
11118	LOC119625	3.14508	4.809506	1.850393	2.599182	0.009345	0.022346	0	0	0.695731	4.464254	10.69555	3.014938
8353	CACNG3	6.132143	4.807133	1.45831	3.296374	0.000979	0.003117	0	0	1.391463	13.39276	14.97377	7.034856



11424	MMP26	3.104857	4.805965	1.899047	2.530725	0.011383	0.026489	0	0.547412	0	2.232127	12.83466	3.014938
11403	STX19	3.129577	4.805824	1.895733	2.535075	0.011242	0.026206	0	0	0.695731	2.232127	12.83466	3.014938
11404	LOC119615	3.129577	4.805824	1.895733	2.535075	0.011242	0.026206	0	0	0.695731	2.232127	12.83466	3.014938
11405	LOC119620	3.129577	4.805824	1.895733	2.535075	0.011242	0.026206	0	0	0.695731	2.232127	12.83466	3.014938
11632	STEAP4	3.141885	4.805642	1.932295	2.487013	0.012882	0.029443	0	0.547412	0	4.464254	12.83466	1.004979
11612	LY9	3.166605	4.80541	1.929039	2.49109	0.012735	0.029151	0	0	0.695731	4.464254	12.83466	1.004979
11613	SLCSA4	3.166605	4.80541	1.929039	2.49109	0.012735	0.029151	0	0	0.695731	4.464254	12.83466	1.004979
8374	TNFAIP8L2	6.079612	4.805222	1.460125	3.290967	0.000998	0.003169	0	0	1.391463	8.928508	17.11289	9.044815
8375	LOC103227	6.079612	4.805222	1.460125	3.290967	0.000998	0.003169	0	0	1.391463	8.928508	17.11289	9.044815
12304	SPAM1	3.114074	4.805055	2.050561	2.343288	0.019115	0.041297	0	0	0.695731	0	14.97377	3.014938
12305	LOC103216	3.114074	4.805055	2.050561	2.343288	0.019115	0.041297	0	0	0.695731	0	14.97377	3.014938
4727	LOC119624	18.71246	4.804814	0.987536	4.865458	1.14E-06	6.42E-06	0	0	4.174388	31.24978	57.75599	19.09461
4201	GRM1	21.50296	4.804651	0.921036	5.216575	1.82E-07	1.15E-06	0.542086	0	4.174388	33.4819	72.72976	18.08963
4984	LOC103227	11.42367	4.802588	1.022502	4.696899	2.64E-06	1.41E-05	0.542086	1.094824	0.695731	22.32127	27.80844	16.07967
6337	LOC103227	8.843453	4.797906	1.196386	4.010332	6.06E-05	0.000254	0	0.547412	1.391463	13.39276	25.66933	12.05975
2797	TP63	39.462	4.796422	0.715855	6.700268	2.08E-11	1.98E-10	0.542086	1.094824	6.957314	87.05295	106.9555	34.1693
8482	LOC103238	5.738859	4.791718	1.470131	3.259382	0.001117	0.003499	0	0.547412	0.695731	17.85702	4.278221	11.05477
9025	ZNF560	5.631856	4.788746	1.540413	3.108742	0.001879	0.005535	0.542086	0.547412	0	17.85702	12.83466	2.009959
184	TSPAN8	524.9707	4.784266	0.230926	20.71773	2.40E-95	3.46E-93	32.52518	22.9913	56.35424	1058.028	983.9909	995.9347
8829	BCL2L15	5.543185	4.781763	1.511782	3.162997	0.001562	0.004702	0	1.094824	0	11.16063	14.97377	6.029877
8293	LOC119624	5.766407	4.778123	1.441333	3.315073	0.000916	0.002937	0	0.547412	0.695731	15.62489	10.69555	7.034856
8430	LOC103245	5.787932	4.772652	1.458027	3.273364	0.001063	0.003352	0	0.547412	0.695731	15.62489	12.83466	5.024897
8414	LOC103245	5.921595	4.770742	1.455358	3.278053	0.001045	0.003303	0	0	1.391463	13.39276	10.69555	10.04979
9257	LOC103227	5.830983	4.769064	1.568058	3.041381	0.002355	0.006763	0	0.547412	0.695731	15.62489	17.11289	1.004979
32	PDZK1IP1	1861.137	4.768997	0.142706	33.41841	7.41E-245	6.15E-242	145.8212	105.6505	144.7121	3332.566	3482.472	3955.599
9299	CBLL2	5.81548	4.765863	1.571609	3.032473	0.002426	0.006935	0	0.547412	0.695731	13.39276	19.252	1.004979
8466	CUNH5orf5	5.943121	4.765403	1.46033	3.263237	0.001101	0.003459	0	0	1.391463	13.39276	12.83466	8.039836
8507	LOC119625	5.89059	4.763491	1.463407	3.255068	0.001134	0.003543	0	0	1.391463	8.928508	14.97377	10.04979
12629	LOC119620	3.055097	4.761406	2.092512	2.27545	0.022879	0.048162	0	0	0.695731	15.62489	0	2.009959
9607	SLC16A8	5.768084	4.760058	1.608188	2.959889	0.003077	0.008516	0.542086	0	0.695731	6.696381	25.66933	1.004979
6660	LOC103240	8.914681	4.759909	1.228934	3.873202	0.000107	0.000429	0	0	2.087194	20.08914	19.252	12.05975
9254	LOC103215	5.694028	4.757957	1.564059	3.042056	0.00235	0.00675	0.542086	0	0.695731	2.232127	25.66933	5.024897
8657	LOC103215	5.875087	4.75788	1.480264	3.214211	0.001308	0.004017	0	0	1.391463	6.696381	17.11289	10.04979
5630	FOXL2	15.21646	4.757773	1.091683	4.3582	1.31E-05	6.19E-05	0	0	3.478657	42.41041	36.36488	9.044815
7307	MAPK4	8.77756	4.755997	1.309132	3.63294	0.00028	0.001019	0	0.547412	1.391463	15.62489	32.08666	3.014938
5521	LOC119618	15.10192	4.751448	1.078955	4.403749	1.06E-05	5.12E-05	0	0	3.478657	29.01765	47.06043	11.05477
2524	LOC103227	37.61039	4.750731	0.669945	7.091229	1.33E-12	1.40E-11	0	2.189647	6.261582	78.12444	89.84265	49.24399
11565	LOC119627	2.977846	4.747597	1.89748	2.502054	0.012348	0.028382	0	0.547412	0	11.16063	2.139111	4.019918
6490	ATP10B	8.325724	4.746111	1.20316	3.944703	7.99E-05	0.000327	0	1.094824	0.695731	17.85702	19.252	11.05477
11248	LOC119618	2.955035	4.745625	1.845995	2.70767	0.010147	0.023984	0	0	0.695731	6.696381	4.278221	6.029877
6638	TEX11	8.331746	4.741117	1.220937	3.883178	0.000103	0.000413	0	1.094824	0.695731	15.62489	23.53022	9.044815
11324	LIX1	2.961456	4.740194	1.857445	2.551997	0.010711	0.025145	0.542086	0	0	8.928508	4.278221	4.019918
11304	TTL2	2.987063	4.740063	1.853829	2.556904	0.010561	0.024833	0	0	0.695731	8.928508	4.278221	4.019918
11305	LOC119626	2.987063	4.740063	1.853829	2.556904	0.010561	0.024833	0	0	0.695731	8.928508	4.278221	4.019918
11306	LOC103230	2.987063	4.740063	1.853829	2.556904	0.010561	0.024833	0	0	0.695731	8.928508	4.278221	4.019918
11269	LOC103215	2.934532	4.739816	1.847242	2.565889	0.010291	0.024278	0	0	0.695731	4.464254	6.417332	6.029877
16745	LOC103248	1.488085	4.738446	3.08885	1.534048	0.125018	0.198459	0	0	0	8.928508	0	0
16746	DAOA	1.488085	4.738446	3.08885	1.534048	0.125018	0.198459	0	0	0	8.928508	0	0
16747	LOC119620	1.488085	4.738446	3.08885	1.534048	0.125018	0.198459	0	0	0	8.928508	0	0
5852	WFDC9	5.992888	4.737851	1.465065	3.233884	0.001221	0.003783	0	0.547412	0.695731	17.85702	6.417332	8.039836
11600	MARCOL	2.599371	4.737721	1.898977	2.49488	0.0126	0.028877	0	0.547412	0	11.16063	4.278221	2.009959
11578	LOC103214	3.024091	4.737467	1.895382	2.499479	0.012438	0.028559	0	0	0.695731	11.16063	4.278221	2.009959
11261	ETDB	2.97156	4.73379	1.843805	2.567403	0.010246	0.024187	0	0	0.695731	6.696381	6.417332	4.019918
11262	LOC119625	2.97156	4.73379	1.843805	2.567403	0.010246	0.024187	0	0	0.695731	6.696381	6.417332	4.019918
9625	LOC119627	5.961188	4.732852	1.602288	2.953809	0.003139	0.00867	0	0	1.391463	6.696381	25.66933	2.009959
6806	PPEF2	8.598019	4.732796	1.240693	3.814638	0.000136	0.000533	0	0.547412	1.391463	20.08914	23.53022	6.029877
7585	ITPRID1	8.901743	4.73035	1.33976	3.530743	0.000414	0.001452	0	0	2.087194	8.928508	36.36488	6.029877
11495	LOC119626	3.008588	4.730212	1.879625	2.516572	0.01185	0.0274	0	0	0.695731	8.928508	6.417332	2.009959
11496	LOC103225	3.008588	4.730212	1.879625	2.516572	0.01185	0.0274	0	0	0.695731	8.928508	6.417332	2.009959
11497	LOC119620	3.008588	4.730212	1.879625	2.516572	0.01185	0.0274	0	0	0.695731	8.928508	6.417332	2.009959
11498	LOC103218	3.008588	4.730212	1.879625	2.516572	0.01185	0.0274	0	0	0.695731	8.928508	6.417332	2.009959
6818	KCNV2	8.762687	4.729185	1.241216	3.810122	0.000139	0.000542	0	0	2.087194	22.32127	17.11289	11.05477
6744	TRARG1	8.710157	4.728815	1.231447	3.840046	0.000123	0.000485	0	0	2.087194	17.85702	19.252	13.06473
8537	SLC6A5	5.59891	4.728605	1.457485	3.244361	0.001177	0.003666	0	0.547412	0.695731	15.62489	10.69555	6.029877
5303	LOC103225	11.24193	4.728305	1.047105	4.515599	6.31E-06	3.17E-05	0	0.547412	2.087194	22.32127	21.39111	21.10457
11352	LOC103218	2.956058	4.728258	1.85623	2.547237	0.010858	0.025428	0	0	0.695731	4.464254	8.556443	4.019918
6049	ASB4	11.51359	4.72651	1.140471	4.144349	3.41E-05	0.00015	0	0.547412	2.087194	15.62489	42.78221	8.039836
12441	LOC119625	2.878807	4.725799	2.043427	2.312683	0.02074	0.044319	0	0.547412	0	0	10.69555	6.029877
12833	KCNA7	2.973501	4.725176	2.11582	2.233259	0.025532	0.052892	0.542086	0	0	4.464254	12.83466	0
12830	ARG1	2.974388	4.725167	2.115665	2.233419	0.025521	0.052883	0	0.547412	0	4.464254	12.83466	0
12804	RIPK3	2.999108	4.724916	2.11136	2.237855	0.025231	0.052386	0	0	0.695731	4.464254	12.83466	0
10235	TAC1	5.663486	4.724866	1.683264	2.806967	0.005001	0.01299	0	0.547412	0.695731	15.62489	17.11289	0
5271	LOC103215	14.73336	4.724318	1.041276	4.537046	5.70E-06	2.88E-05	0	0	3.478657	33.4819	36.36488	15.07469
11513	LOC119615	2.993086	4.724165	1.880812	2.511768	0.012013	0.027737	0	0	0.695731	6.696381	8.556443	2.009959



11514	LOC103243	2.993086	4.724165	1.880812	2.511768	0.012013	0.027737	0	0	0.695731	6.696381	8.556443	2.009959
8743	LOC119625	5.478346	4.723952	1.480822	3.190089	0.001422	0.004325	0	0.547412	0.695731	4.464254	17.11289	10.04979
11626	LOC119627	2.940555	4.72339	1.899071	2.487211	0.012875	0.029433	0	0	0.695731	2.232127	10.69555	4.019918
11627	LOC103246	2.940555	4.72339	1.899071	2.487211	0.012875	0.029433	0	0	0.695731	2.232127	10.69555	4.019918
11628	LOC119615	2.940555	4.72339	1.899071	2.487211	0.012875	0.029433	0	0	0.695731	2.232127	10.69555	4.019918
11629	IL20	2.940555	4.72339	1.899071	2.487211	0.012875	0.029433	0	0	0.695731	2.232127	10.69555	4.019918
13149	LOC103244	2.958886	4.721073	2.164472	2.181166	0.029171	0.058974	0	0.547412	0	2.232127	14.97377	0
13150	LOC103247	2.958886	4.721073	2.164472	2.181166	0.029171	0.058974	0	0.547412	0	2.232127	14.97377	0
13113	LOC103226	2.983606	4.720851	2.160114	2.185464	0.028855	0.0585	0	0	0.695731	2.232127	14.97377	0
9113	TCEAL6	5.85916	4.719543	1.532439	3.07976	0.002072	0.006044	0	0	1.391463	22.32127	6.417332	5.024897
11653	LOC119624	2.952863	4.719423	1.902539	2.480592	0.013116	0.029924	0	0.547412	0	4.464254	10.69555	2.009959
11639	TCERG1L	2.977583	4.719202	1.89902	2.485072	0.012953	0.02958	0	0	0.695731	4.464254	10.69555	2.009959
11640	LOC119615	2.977583	4.719202	1.89902	2.485072	0.012953	0.02958	0	0	0.695731	4.464254	10.69555	2.009959
11641	LOC119615	2.977583	4.719202	1.89902	2.485072	0.012953	0.02958	0	0	0.695731	4.464254	10.69555	2.009959
15502	C1QTNF4	1.414029	4.717321	2.705305	1.74373	0.081206	0.139264	0	0	0	4.464254	0	4.019918
1762	FGF1	50.3743	4.716428	0.550567	8.566499	1.07E-17	1.61E-16	1.626259	1.642235	8.348776	95.98146	111.2338	83.4133
7127	SPATA22	8.774732	4.716076	1.278797	3.687901	0.000226	0.000843	0	0	2.087194	17.85702	25.66933	7.034856
12794	LOC119625	2.946577	4.715936	2.104635	2.240738	0.025043	0.052034	0	0	0.695731	0	14.97377	2.009959
6937	PIWIL3	8.247786	4.71502	1.253349	3.761936	0.000169	0.000646	0	1.094824	0.695731	24.5534	17.11289	6.029877
8725	LOC103215	5.723093	4.714607	1.475877	3.194444	0.001401	0.004268	0	0	1.391463	8.928508	14.97377	9.044815
6743	LOC103225	8.433092	4.714214	1.227565	3.840296	0.000123	0.000484	0.542086	0	1.391463	26.78552	12.83466	9.044815
15749	LOC103235	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15750	LOC119624	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15751	LOC119625	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15752	LOC119627	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15754	LOC103245	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15755	LOC103245	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15756	BP1FA3	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15757	LOC119625	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
15758	LOC103235	1.472582	4.714011	2.760103	1.707912	0.087653	0.147877	0	0	0	6.696381	2.139111	0
2944	SLC22A2	24.90296	4.712674	0.725721	6.493782	8.37E-11	7.56E-10	1.626259	0.547412	3.478657	60.26743	51.33866	32.15934
6630	LAX1	8.105696	4.712115	1.211941	3.888071	0.000101	0.000405	0	1.094824	0.695731	13.39276	21.39111	12.05975
15773	LOC103224	1.377001	4.711509	2.761484	1.706151	0.08798	0.148288	0	0	0	2.232127	0	6.029877
4179	FAM83A	19.83816	4.710502	0.898515	5.242539	1.58E-07	1.01E-06	0.542086	0.547412	3.478657	26.78552	70.59065	17.08465
8895	TRAF3IP3	5.797149	4.709597	1.497059	3.1459	0.001656	0.004949	0	0	1.391463	13.39276	14.97377	5.024897
14609	LOC103248	1.398526	4.709321	2.472431	1.904733	0.056815	0.103356	0	0	0	2.232127	2.139111	4.019918
14610	LOC103235	1.398526	4.709321	2.472431	1.904733	0.056815	0.103356	0	0	0	2.232127	2.139111	4.019918
14613	LOC119615	1.398526	4.709321	2.472431	1.904733	0.056815	0.103356	0	0	0	2.232127	2.139111	4.019918
14614	RNA5E9	1.398526	4.709321	2.472431	1.904733	0.056815	0.103356	0	0	0	2.232127	2.139111	4.019918
6986	LOC103248	8.185775	4.706261	1.258397	3.739884	0.000184	0.000701	0	1.094824	0.695731	15.62489	25.66933	6.029877
8951	SLAMF6	5.781647	4.705868	1.502633	3.131748	0.001738	0.005161	0	0	1.391463	11.16063	17.11289	5.024897
4946	LOC119627	14.20012	4.704808	0.997493	4.716634	2.40E-06	1.29E-05	0	0.547412	2.782925	35.71403	32.08666	14.06971
5186	IGF1	20.38993	4.704571	1.025508	4.587551	4.48E-06	2.30E-05	0	0.547412	4.174388	35.71403	74.86887	7.034856
14516	SPRR4	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14517	LOC119624	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14519	AADAC	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14520	LOC103228	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14521	HBD	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14525	LOC119627	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14526	LOC119627	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14527	LOC103235	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
14528	LOC119627	1.435554	4.704104	2.450404	1.919726	0.054893	0.100461	0	0	0	4.464254	2.139111	2.009959
6915	NDST3	8.153882	4.702584	1.24768	3.769062	0.000164	0.00063	0.542086	0.547412	0.695731	11.16063	29.94755	6.029877
6695	CUNH16or	8.356466	4.701836	1.218571	3.858483	0.000114	0.000453	0	0.547412	1.391463	15.62489	23.53022	9.044815
9783	LCN6	5.871205	4.701715	1.616948	2.907715	0.00364	0.009892	0	0	1.391463	17.85702	14.97377	1.004979
9033	SAMD7	5.766144	4.701551	1.514344	3.104678	0.001905	0.005606	0	0	1.391463	8.928508	19.252	5.024897
6824	LGALS12	8.393494	4.700404	1.233989	3.809113	0.000139	0.000543	0	0.547412	1.391463	17.85702	23.53022	7.034856
15701	LOC103236	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15702	LOC119624	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15703	LOC103235	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15704	LOC103235	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15705	LOC103247	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15706	LOC119625	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15707	PATE4	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15708	LOC119627	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15709	LOC119628	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15710	LOC119615	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15711	LOC119615	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15712	TECRL	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15713	TAS2R50	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15714	OMG	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
15715	GPR142	1.457079	4.699888	2.739581	1.71555	0.086244	0.145899	0	0	0	4.464254	4.278221	0
206	LRCOL1	257.113	4.699883	0.234938	20.00477	5.00E-89	6.46E-87	22.22554	13.6853	21.56767	506.6928	477.0217	501.4848
7106	SMYD1	7.70027	4.697717	1.271569	3.694425	0.00022	0.000825	1.626259	0	0	13.39276	17.11289	14.06971



5639	GPR12	11.17603	4.693031	1.077544	4.355305	1.33E-05	6.26E-05	0	0.547412	2.087194	24.5534	27.80844	12.05975
14580	LOC103215	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14582	LOC103235	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14583	LOC103230	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14584	LOC103235	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14585	LOC119625	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14586	TAS2R39	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
14587	LOC119625	1.420051	4.691961	2.457211	1.909466	0.056202	0.102429	0	0	0	2.232127	4.278221	2.009959
15662	LOC103248	1.383023	4.691705	2.723399	1.722739	0.084936	0.144153	0	0	0	0	4.278221	4.019918
15663	LOC103235	1.383023	4.691705	2.723399	1.722739	0.084936	0.144153	0	0	0	0	4.278221	4.019918
15664	LOC103235	1.383023	4.691705	2.723399	1.722739	0.084936	0.144153	0	0	0	0	4.278221	4.019918
3548	IKZF1	31.4114	4.688798	0.807595	5.805878	6.40E-09	4.80E-08	0	1.094824	6.261582	71.42806	85.56443	24.11951
9165	CYP1A2	5.202169	4.688402	1.53086	3.062594	0.002194	0.006366	0	1.094824	0	13.39276	10.69555	6.029877
15863	TRIM60	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15864	SCGB1D2	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15865	CRYGC	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15866	LOC119625	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15868	LOC119625	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15869	LOC103215	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15870	LOC119615	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15871	LOC119620	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15872	LOC119620	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15873	LOC119625	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15874	DEFB132	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
15875	LOC103245	1.441576	4.687919	2.776628	1.68835	0.091344	0.152972	0	0	0	2.232127	6.417332	0
9373	LOC119620	5.259835	4.686959	1.555126	3.013878	0.002579	0.007316	0.542086	0.547412	0	15.62489	12.83466	2.009959
10810	TULP1	21.19703	4.685611	1.755465	2.669157	0.007604	0.018701	0	0	4.87012	40.17829	62.03421	20.09959
16969	LOC119625	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16970	LOC119625	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16971	LOC103226	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16972	LOC103225	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16973	LOC119618	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16974	LOC119615	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
16975	LOC119625	1.426074	4.684159	3.130176	1.496452	0.134536	0.21071	0	0	0	0	8.556443	0
15729	LOC119618	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15730	CXCL9	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15731	ZFP42	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15732	LOC103235	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15733	LOC103215	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15734	GLTG6D1	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
15735	LOC119625	1.404548	4.682429	2.73429	1.712484	0.086807	0.146665	0	0	0	0	6.417332	2.009959
10173	TRNAP-UG	5.793692	4.681755	1.659587	2.821036	0.004787	0.012509	0	0	1.391463	6.696381	25.66933	1.004979
11042	CYP11B1	5.112186	4.677684	1.786368	2.618544	0.008831	0.021261	0	1.094824	0	24.5534	0	5.024897
5699	LOC103225	10.86796	4.676022	1.08056	4.327405	1.51E-05	7.04E-05	0.542086	0.547412	1.391463	29.01765	25.66933	8.039836
5415	KCNJ10	10.7784	4.675311	1.049623	4.454277	8.42E-06	4.13E-05	0.542086	0.547412	1.391463	22.32127	27.80844	12.05975
9048	LOC103235	5.452939	4.673051	1.50877	3.097258	0.001953	0.005739	0	0.547412	0.695731	15.62489	12.83466	3.014938
8214	CRYBA2	8.650286	4.671029	1.397739	3.341846	0.000832	0.002694	0	0	2.087194	17.85702	29.94755	2.009959
5716	PLCL1	10.74829	4.670977	1.082019	4.316909	1.58E-05	7.36E-05	0	1.094824	1.391463	17.85702	32.08666	12.05975
13280	LOC103246	2.8876	4.670903	2.170955	2.151542	0.031433	0.062926	0	0	0.695731	15.62489	0	1.004979
8872	CLEC7A	5.5711	4.6682	1.482095	3.149731	0.001634	0.004897	0	0	1.391463	11.16063	12.83466	8.039836
8982	LOC103225	5.608128	4.665168	1.494305	3.121965	0.001796	0.005317	0	0	1.391463	13.39276	12.83466	6.029877
9000	APOL1	5.518569	4.664433	1.49694	3.115979	0.001833	0.005416	0	0	1.391463	6.696381	14.97377	10.04979
12681	NPVF	2.776516	4.664108	2.060487	2.263594	0.023599	0.049474	0	0	0.695731	8.928508	0	7.034856
7141	LOC119625	8.427694	4.661789	1.26558	3.68352	0.00023	0.000856	0	0	2.087194	22.32127	17.11289	9.044815
9164	LOC103225	5.645156	4.661594	1.522138	3.062531	0.002195	0.006366	0	0	1.391463	15.62489	12.83466	4.019918
9166	LOC119618	5.645156	4.661594	1.522138	3.062531	0.002195	0.006366	0	0	1.391463	15.62489	12.83466	4.019918
9660	LOC119620	5.697686	4.660892	1.583225	2.943923	0.003241	0.008919	0	0	1.391463	20.08914	10.69555	2.009959
5316	RARRES1	13.58293	4.659163	1.032904	4.51074	6.46E-06	3.23E-05	0	1.094824	2.087194	46.87467	21.39111	10.04979
9082	LOC119625	5.577122	4.657188	1.507741	3.088852	0.002009	0.005882	0	0	1.391463	8.928508	17.11289	6.029877
11873	LOC103225	2.773321	4.656357	1.914265	2.432452	0.014997	0.03358	0	0.547412	0	8.928508	2.139111	5.024897
11847	LOC103225	2.798041	4.656318	1.910316	2.437459	0.014791	0.033191	0	0	0.695731	8.928508	2.139111	5.024897
4997	CUNH10or	13.03327	4.652768	0.992164	4.689514	2.74E-06	1.46E-05	1.084173	0.547412	1.391463	11.16063	44.92132	19.09461
5694	QRFPR	10.78249	4.645609	1.073087	4.329203	1.50E-05	6.99E-05	0	0.547412	2.087194	22.32127	25.66933	14.06971
4130	LOC103220	21.94516	4.645484	0.881287	5.271247	1.35E-07	8.72E-07	0	1.094824	4.174388	53.57105	57.75599	15.07469
12251	DRD3	2.831875	4.644687	1.971639	2.355749	0.018485	0.040114	0	0.547412	0	11.16063	4.278221	1.004979
11808	LOC119625	2.794847	4.644248	1.897442	2.447636	0.01438	0.032375	0	0.547412	0	8.928508	4.278221	3.014938
11783	LOC103235	2.819567	4.644056	1.893622	2.452473	0.014188	0.031996	0	0	0.695731	8.928508	4.278221	3.014938
7919	LOC119625	7.88781	4.643346	1.352536	3.433066	0.000597	0.002004	0	1.094824	0.695731	17.85702	25.66933	2.009959
7749	LOC119620	8.408734	4.641417	1.334433	3.478195	0.000505	0.001732	0	0	2.087194	13.39276	29.94755	5.024897
8814	LOC103235	5.168336	4.638148	1.462564	3.171244	0.001518	0.004578	0	0.547412	0.695731	11.16063	8.556443	10.04979
11938	LOC103245	2.726813	4.637388	1.918848	2.416757	0.015659	0.034872	0	0.547412	0	2.232127	8.556443	5.024897
11912	LOC119625	2.751533	4.637384	1.914797	2.421868	0.015441	0.034458	0	0	0.695731	2.232127	8.556443	5.024897
11913	SIRPD	2.751533	4.637384	1.914797	2.421868	0.015441	0.034458	0	0	0.695731	2.232127	8.556443	5.024897
11735	LOC103224	2.804064	4.637193	1.883819	2.461591	0.013832	0.031333	0	0	0.695731	6.696381	6.417332	3.014938



11736	LOC119621	2.804064	4.637193	1.883819	2.461591	0.013832	0.031333	0	0	0.695731	6.696381	6.417332	3.014938
6984	DSC1	8.052478	4.637142	1.239804	3.740222	0.000184	0.0007	0	0.547412	1.391463	20.08914	19.252	7.034856
6985	ACSM4	8.052478	4.637142	1.239804	3.740222	0.000184	0.0007	0	0.547412	1.391463	20.08914	19.252	7.034856
5934	AQP6	10.81003	4.637125	1.106026	4.1926	2.76E-05	0.000124	0	0.547412	2.087194	20.08914	32.08666	10.04979
5935	LOC103231	10.81003	4.637125	1.106026	4.1926	2.76E-05	0.000124	0	0.547412	2.087194	20.08914	32.08666	10.04979
12183	LOC119621	2.816372	4.63682	1.95651	2.369944	0.017791	0.038822	0	0.547412	0	8.928508	6.417332	1.004979
7229	HCK	8.089506	4.636113	1.267326	3.658185	0.000254	0.000934	0	0.547412	1.391463	22.32127	19.252	5.024897
310	HR	181.9427	4.634363	0.268556	17.25661	9.98E-67	8.56E-65	11.38381	17.51718	13.2189	381.6937	325.1448	342.698
11829	LOC103211	2.788561	4.63139	1.896388	2.442216	0.014597	0.032804	0	0	0.695731	4.464254	8.556443	3.014938
11830	LOC103231	2.788561	4.63139	1.896388	2.442216	0.014597	0.032804	0	0	0.695731	4.464254	8.556443	3.014938
12214	MBOAT4	2.799982	4.63025	1.958114	2.364648	0.018047	0.039282	0.542086	0	0	6.696381	8.556443	1.004979
12213	LOC103231	2.800869	4.630239	1.957974	2.364812	0.018039	0.039267	0	0.547412	0	6.696381	8.556443	1.004979
12186	LOC119621	2.825589	4.629946	1.954107	2.369342	0.01782	0.038872	0	0	0.695731	6.696381	8.556443	1.004979
12187	LOC119621	2.825589	4.629946	1.954107	2.369342	0.01782	0.038872	0	0	0.695731	6.696381	8.556443	1.004979
10121	ACY3	4.935634	4.629766	1.634551	2.83244	0.004619	0.012134	0	1.094824	0	2.232127	19.252	7.034856
24	ITGAX	3318.726	4.627588	0.129093	35.84701	2.05E-281	2.27E-278	244.481	240.8612	290.8157	6158.438	5683.617	7294.141
3744	LOC119611	18.11739	4.62673	0.826287	5.599422	2.15E-08	1.53E-07	1.626259	0	2.782925	40.17829	29.94755	34.1693
13339	LOC119611	305.901	4.626041	2.162105	2.139601	0.032387	0.064548	0	0.547412	70.9646	716.5128	802.1665	245.215
6068	CPA3	10.18405	4.625218	1.117841	4.137636	3.51E-05	0.000154	0	1.642235	0.695731	15.62489	32.08666	11.05477
11242	LOC119611	5.626195	4.62491	1.797865	2.572446	0.010098	0.02388	0	0	1.391463	6.696381	25.66933	0
12326	LOC119621	2.785366	4.624824	1.976097	2.340383	0.019264	0.041549	0	0.547412	0	4.464254	10.69555	1.004979
12298	LOC119621	2.810086	4.62455	1.972188	2.344883	0.019033	0.041144	0	0	0.695731	4.464254	10.69555	1.004979
4903	CD93	19.51348	4.622406	0.975008	4.74089	2.13E-06	1.15E-05	0	0	4.87012	51.33892	42.78221	18.08963
12559	LOC119621	2.794584	4.620659	2.016621	2.291288	0.021947	0.046453	0	0	0.695731	2.232127	12.83466	1.004979
12560	FOX13	2.794584	4.620659	2.016621	2.291288	0.021947	0.046453	0	0	0.695731	2.232127	12.83466	1.004979
5878	CD180	10.66752	4.619277	1.093024	4.226145	2.38E-05	0.000108	0	0.547412	2.087194	26.78552	23.53022	11.05477
9117	LOC103221	5.232912	4.61781	1.499831	3.078887	0.002078	0.006059	0	0.547412	0.695731	11.16063	14.97377	4.019918
2098	LOC103241	37.74026	4.617399	0.592077	7.798647	6.26E-15	7.93E-14	4.878777	0.547412	3.478657	62.49956	87.70354	67.33362
9273	PGK2	5.456134	4.615461	1.518698	3.039091	0.002373	0.006803	0	0	1.391463	15.62489	10.69555	5.024897
3807	KCNK9	27.33085	4.613571	0.834032	5.531645	3.17E-08	2.22E-07	0	0.547412	6.261582	46.87467	79.14709	31.15436
9199	LOC103211	5.351072	4.612403	1.509884	3.054806	0.002252	0.006508	0	0	1.391463	6.696381	14.97377	9.044815
9178	INHBC	5.3881	4.611345	1.506201	3.061574	0.002202	0.006378	0	0	1.391463	8.928508	14.97377	7.034856
9293	PDCD1LG2	5.425128	4.608564	1.519041	3.033865	0.002414	0.006906	0	0	1.391463	11.16063	14.97377	5.024897
9730	LOC103221	5.223432	4.608371	1.577748	3.028054	0.003491	0.009538	0	0.547412	0.695731	6.696381	21.39111	2.009959
9588	LOC103221	5.462156	4.604972	1.553604	2.964058	0.003036	0.008418	0	0	1.391463	13.39276	14.97377	3.014938
1660	LOC119621	44.66446	4.604086	0.522151	8.817538	1.17E-18	1.87E-17	1.626259	5.474118	3.478657	95.98146	77.00798	84.41828
7046	ADARB2	7.832451	4.600531	1.238594	3.714318	0.000204	0.000769	0	0.547412	1.391463	15.62489	21.39111	8.039836
10212	KRT24	5.499184	4.600465	1.635041	2.813669	0.004898	0.012751	0	0	1.391463	15.62489	14.97377	1.004979
9594	LOC119611	5.357095	4.598987	1.552185	2.962911	0.003047	0.008444	0	0	1.391463	4.464254	19.252	7.034856
5919	LOC103231	13.66034	4.598278	1.094272	4.202135	2.64E-05	0.000119	0	0	3.478657	26.78552	40.6431	11.05477
8184	NOTO	7.604884	4.597062	1.371704	3.351351	0.000804	0.002612	0.542086	0.547412	0.695731	4.464254	36.36488	3.014938
113	LOC119621	445.9497	4.587803	0.192629	23.8168	2.24E-125	5.26E-123	29.81475	39.96106	37.56949	848.2083	759.3843	960.7604
8265	CUNH101	8.18226	4.587575	1.380115	3.324052	0.000887	0.002854	0	0	2.087194	29.01765	14.97377	3.014938
7652	TBX10	7.252974	4.587217	1.307053	3.509587	0.000449	0.001559	0	1.642235	0	17.85702	14.97377	9.044815
4628	GIMAP8	18.38155	4.585994	0.930077	4.930767	8.19E-07	4.71E-06	0	1.094824	3.478657	40.17829	53.47777	12.05975
6208	CD244	10.49054	4.585377	1.126693	4.069768	4.71E-05	0.000202	0	0.547412	2.087194	22.32127	29.94755	8.039836
10192	LOC119611	5.363117	4.584145	1.627182	2.817229	0.004844	0.012635	0	0	1.391463	2.232127	23.53022	5.024897
9679	LOC119621	4.81287	4.583458	1.560534	2.937109	0.003313	0.009099	1.084173	0	0	8.928508	12.83466	6.029877
4862	FFAR2	15.77358	4.583252	0.961558	4.766483	1.87E-06	1.03E-05	0	0.547412	3.478657	22.32127	49.19955	19.09461
9148	ADRA1D	5.05337	4.582631	1.494094	3.067164	0.002161	0.00628	0	0.547412	0.695731	15.62489	6.417332	7.034856
9481	KCNK12	4.881791	4.581924	1.532666	2.989512	0.002794	0.007835	0.542086	0.547412	0	15.62489	8.556443	4.019918
3062	LOC103231	36.34829	4.580192	0.724844	6.318864	2.63E-10	2.29E-09	0	2.737059	6.261582	84.82083	94.12087	30.14938
989	LGI3	69.83164	4.578159	0.414363	11.04867	2.22E-28	5.98E-27	8.131296	4.379295	4.174388	127.2312	128.3466	146.727
9218	LOC119621	5.074895	4.575837	1.500158	3.050237	0.002287	0.006595	0	0.547412	0.695731	15.62489	8.556443	5.024897
7388	PIWIL1	9.882626	4.573002	1.269277	3.602839	0.000315	0.001132	0	1.642235	0.695731	11.16063	42.78221	3.014938
8948	LOC103221	8.141774	4.57092	1.459152	3.132587	0.001733	0.005148	0	0	2.087194	20.08914	25.66933	1.004979
6554	CXCL13	10.63023	4.56852	1.166313	3.917063	8.96E-05	0.000364	0	0	2.782925	17.85702	32.08666	11.05477
5906	WDR72	10.20505	4.568223	1.085225	4.20947	2.56E-05	0.000115	0.542086	0	2.087194	17.85702	25.66933	15.07469
366	GASK1B	159.9574	4.566475	0.281905	16.19862	5.16E-59	3.75E-57	15.17842	14.78012	8.348776	299.105	303.7537	318.5785
569	FAM107A	178.5108	4.566013	0.3283	13.90805	5.66E-44	2.64E-42	8.673382	25.18094	9.044508	337.0512	344.3968	346.7179
5188	MAS1	12.85712	4.564791	0.995258	4.58654	4.51E-06	2.31E-05	0.542086	0	2.782925	26.78552	29.94755	17.08465
7814	LOC119621	7.754513	4.564627	1.318504	3.461976	0.000536	0.001824	0	0.547412	1.391463	22.32127	19.252	3.014938
7694	URO1	7.42623	4.563891	1.305565	3.495721	0.000473	0.001634	0	1.094824	0.695731	8.928508	27.80844	6.029877
10088	LOC119621	5.08694	4.56171	1.605891	2.84061	0.004503	0.011864	0	0.547412	0.695731	11.16063	17.11289	1.004979
7779	NAA11	7.934684	4.561396	1.314299	3.470592	0.000519	0.001775	0	0	2.087194	26.78552	10.69555	8.039836
9402	CBLN1	5.236106	4.561069	1.51701	3.006617	0.002642	0.007469	0	0	1.391463	11.16063	12.83466	6.029877
9403	LYPD4	5.236106	4.561069	1.51701	3.006617	0.002642	0.007469	0	0	1.391463	11.16063	12.83466	6.029877
9630	LOC119621	5.288637	4.560747	1.544418	2.953051	0.003146	0.008686	0	0	1.391463	15.62489	10.69555	4.019918
6359	SCN10A	10.01027	4.560582	1.139865	4.000984	6.31E-05	0.000264	0	1.094824	1.391463	11.16063	36.36488	10.04979
12274	IGFL3	2.593517	4.560019	1.940447	2.349984	0.018774	0.040664	0	0	0.695731	6.696381	2.139111	6.029877
9580	CCDC105	5.049912	4.559875	1.537648	2.965487	0.003022	0.008386	0	0.547412	0.695731	8.928508	17.11289	3.014938
9690	HTR3E	5.033522	4.559494	1.554057	2.933929	0.003347	0.009183	0.542086	0	0.695731	6.696381	19.252	3.014938
203	DOK5	250.4927	4.557519	0.226442	20.12667	4.31E-90	5.66E-88	21.14137	22.44388	17.39328	466.5145	459.9088	515.5545
9692	P2RY14	5.03441	4.556779										



9484	FAM217A	5.220604	4.556722	1.5249	2.98821	0.002806	0.007866	0	0	1.391463	8.928508	14.97377	6.029877
7335	CDA	7.139062	4.556571	1.25872	3.620004	0.000295	0.001068	0	1.094824	0.695731	13.39276	8.556443	19.09461
7703	KBTBD12	7.54439	4.55534	1.30429	3.492583	0.000478	0.001651	0	0.547412	1.391463	4.464254	27.80844	11.05477
13510	LOC119624	2.689098	4.553963	2.163072	2.105323	0.035263	0.069371	0	0	0.695731	11.16063	4.278221	0
4920	DSCAM	15.53763	4.553753	0.96204	4.733433	2.21E-06	1.19E-05	0	0.547412	3.478657	33.4819	40.6431	15.07469
6749	HNFI1A	10.31268	4.552323	1.18613	3.837965	0.000124	0.000489	0.542086	0	2.087194	17.85702	36.36488	5.024897
9633	LOC10323:	5.205101	4.551358	1.541637	2.952289	0.003154	0.008704	0	0	1.391463	6.696381	17.11289	6.029877
9634	CD300LF	5.205101	4.551358	1.541637	2.952289	0.003154	0.008704	0	0	1.391463	6.696381	17.11289	6.029877
12553	NEU2	2.667573	4.551174	1.985261	2.292482	0.021878	0.04633	0	0	0.695731	11.16063	2.139111	2.009959
12554	LOC10322:	2.667573	4.551174	1.985261	2.292482	0.021878	0.04633	0	0	0.695731	11.16063	2.139111	2.009959
5625	CCDC190	15.94039	4.549544	1.043093	4.36159	1.29E-05	6.10E-05	0	0	4.174388	33.4819	44.92132	13.06473
12130	LOC11961:	2.615042	4.5469	1.911553	2.378643	0.017377	0.038052	0	0	0.695731	6.696381	4.278221	4.019918
12140	HES3	2.615042	4.5469	1.911553	2.378643	0.017377	0.038052	0	0	0.695731	6.696381	4.278221	4.019918
11979	LOC11962:	25.03461	4.546617	1.886707	2.409817	0.015961	0.035421	0	0	6.261582	49.10679	72.72976	22.10955
13481	LOC11961:	2.648875	4.545837	2.153493	2.110913	0.03478	0.068587	0	0.547412	0	8.928508	6.417332	0
13457	LRIT2	2.673595	4.545504	2.14835	2.115811	0.034361	0.067872	0	0	0.695731	8.928508	6.417332	0
13458	LOC11961:	2.673595	4.545504	2.14835	2.115811	0.034361	0.067872	0	0	0.695731	8.928508	6.417332	0
13459	LOC10323:	2.673595	4.545504	2.14835	2.115811	0.034361	0.067872	0	0	0.695731	8.928508	6.417332	0
12364	LINC02843	2.626462	4.542029	1.950113	2.32911	0.019853	0.042688	0.542086	0	0	8.928508	4.278221	2.009959
12362	LOC119624	2.62735	4.542019	1.949961	2.329287	0.019844	0.042673	0	0.547412	0	8.928508	4.278221	2.009959
12191	PTH2R	2.574819	4.540329	1.917527	2.367805	0.017894	0.039012	0	0.547412	0	4.464254	6.417332	4.019918
12192	LOC11962:	2.574819	4.540329	1.917527	2.367805	0.017894	0.039012	0	0.547412	0	4.464254	6.417332	4.019918
12194	LOC10323:	2.574819	4.540329	1.917527	2.367805	0.017894	0.039012	0	0.547412	0	4.464254	6.417332	4.019918
12164	ADAM29	2.599539	4.540248	1.913188	2.373132	0.017638	0.038547	0	0	0.695731	4.464254	6.417332	4.019918
12165	LOC103214	2.599539	4.540248	1.913188	2.373132	0.017638	0.038547	0	0	0.695731	4.464254	6.417332	4.019918
13511	LOC11962:	2.633373	4.538454	2.155722	2.105306	0.035265	0.069371	0	0.547412	0	6.696381	8.556443	0
13512	LOC11962:	2.633373	4.538454	2.155722	2.105306	0.035265	0.069371	0	0.547412	0	6.696381	8.556443	0
13514	LOC10323:	2.633373	4.538454	2.155722	2.105306	0.035265	0.069371	0	0.547412	0	6.696381	8.556443	0
6637	TMEM125	9.947831	4.537022	1.168115	3.884053	0.000103	0.000411	0	1.094824	1.391463	20.08914	32.08666	5.024897
4482	GPR141	17.89473	4.535666	0.903215	5.021693	5.12E-07	3.04E-06	0.542086	0	4.174388	33.4819	47.06043	22.10955
12335	LOC11962:	2.611847	4.534494	1.940614	2.336629	0.019458	0.041928	0	0.547412	0	6.696381	6.417332	2.009959
12336	LOC11962:	2.611847	4.534494	1.940614	2.336629	0.019458	0.041928	0	0.547412	0	6.696381	6.417332	2.009959
12321	CALHM6	2.636567	4.53423	1.936375	2.341608	0.019201	0.041423	0	0	0.695731	6.696381	6.417332	2.009959
12322	LIPJ	2.636567	4.53423	1.936375	2.341608	0.019201	0.041423	0	0	0.695731	6.696381	6.417332	2.009959
12323	LOC11962:	2.636567	4.53423	1.936375	2.341608	0.019201	0.041423	0	0	0.695731	6.696381	6.417332	2.009959
8198	LOC10324:	7.293986	4.532586	1.354048	3.347432	0.000816	0.002645	1.084173	0	0.695731	11.16063	27.80844	3.014938
950	SMIM5	71.93788	4.532175	0.40459	11.20189	3.99E-29	1.12E-27	4.878777	4.926706	8.348776	131.6955	156.1551	125.6224
13625	LOC11962:	2.61787	4.532049	2.174887	2.083808	0.037178	0.072541	0	0.547412	0	4.464254	10.69555	0
13602	LOC11962:	2.64259	4.531741	2.16966	2.088687	0.036736	0.0718	0	0	0.695731	4.464254	10.69555	0
16453	LOC11962:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16454	LOC10324:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16455	LOC11962:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16456	LOC11962:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16457	LOC10321:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16458	ACOD1	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16459	LOC11962:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16460	WFDC5	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16462	NDN	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16463	LOC11962:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16464	SLOC1B1	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
16466	LOC10323:	1.28356	4.530288	2.870048	1.578471	0.114457	0.184796	0	0	0	6.696381	0	1.004979
9971	THSD7B	4.660876	4.529919	1.578512	2.86974	0.004108	0.010953	1.084173	0	0	11.16063	10.69555	5.024897
12411	LOC10321:	2.595457	4.528301	1.953432	2.318125	0.020443	0.043789	0.542086	0	0	4.464254	8.556443	2.009959
12410	TXLNB	2.596345	4.528292	1.953277	2.318305	0.020433	0.043772	0	0.547412	0	4.464254	8.556443	2.009959
13841	LOC11962:	2.627087	4.52676	2.217374	2.041496	0.041202	0.079138	0	0	0.695731	2.232127	12.83466	0
7640	LOC11962:	7.257846	4.52612	1.288646	3.512305	0.000444	0.001546	0.542086	0.547412	0.695731	8.928508	27.80844	5.024897
16348	LOC11961:	1.246532	4.525825	2.835755	1.595986	0.110492	0.17967	0	0	0	4.464254	0	3.014938
16349	LOC11962:	1.246532	4.525825	2.835755	1.595986	0.110492	0.17967	0	0	0	4.464254	0	3.014938
12674	LOC10323:	2.580842	4.523515	1.996422	2.265811	0.023463	0.049216	0	0.547412	0	2.232127	10.69555	2.009959
12650	LOC10324:	2.605562	4.523301	1.992029	2.2707	0.023165	0.04868	0	0	0.695731	2.232127	10.69555	2.009959
12651	LOC11962:	2.605562	4.523301	1.992029	2.2707	0.023165	0.04868	0	0	0.695731	2.232127	10.69555	2.009959
7928	TMEM212	7.751685	4.523063	1.318366	3.43081	0.000602	0.002018	0	0	2.087194	24.5534	12.83466	7.034856
13590	LOC10322:	2.590059	4.522681	2.162348	2.09156	0.036478	0.071359	0	0	0.695731	0	12.83466	2.009959
6312	GRM6	13.06185	4.522424	1.124681	4.021073	5.79E-05	0.000244	0	0	3.478657	40.17829	25.66933	9.044815
9611	DUSP26	5.062587	4.514739	1.52602	2.958505	0.003091	0.008551	0	0	1.391463	13.39276	8.556443	7.034856
15470	OOSP2	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15471	LOC103234	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15472	LOC11962:	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15473	LOC11962:	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15474	PPP1R3A	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15475	LOC10323:	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
15476	LOC11962:	1.231029	4.513898	2.580142	1.749477	0.080209	0.137784	0	0	0	2.232127	2.139111	3.014938
7275	ZNF610	7.118789	4.512067	1.239289	3.640853	0.000272	0.000993	0.542086	0.547412	0.695731	22.32127	8.556443	10.04979
9748	LOC119624	5.099615	4.510984	1.546092	2.91767	0.003527	0.009618	0	0	1.391463	15.62489	8.556443	5.024897



9903	LOC103227	4.913421	4.510736	1.563806	2.884461	0.003921	0.010526	0	0.547412	0.695731	13.39276	12.83466	2.009959
15524	LOC103238	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15525	LOC119624	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15526	LOC103240	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15527	LOC103240	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15528	LOC103240	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15529	LOC119626	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15530	LOC119626	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15531	LOC119618	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15532	LOC119618	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15533	LOC103230	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15534	LOC119620	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15535	LOC103230	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15536	LOC119620	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15537	KRTAP27-1	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
15538	LOC119620	1.268057	4.507539	2.593554	1.737977	0.082215	0.140667	0	0	0	4.464254	2.139111	1.004979
16611	LOC119620	1.194001	4.506043	2.895913	1.556001	0.119708	0.191551	0	0	0	0	2.139111	5.024897
16612	FIGLA	1.194001	4.506043	2.895913	1.556001	0.119708	0.191551	0	0	0	0	2.139111	5.024897
16613	DUXB	1.194001	4.506043	2.895913	1.556001	0.119708	0.191551	0	0	0	0	2.139111	5.024897
16614	LOC119620	1.194001	4.506043	2.895913	1.556001	0.119708	0.191551	0	0	0	0	2.139111	5.024897
7179	OR52A1	10.30126	4.505869	1.227226	3.671587	0.000241	0.000893	0	0	2.782925	15.62489	36.36488	7.034856
10018	NEUROD4	5.121141	4.503927	1.576359	2.857117	0.004274	0.011343	0	0	1.391463	15.62489	10.69555	3.014938
5341	LOC103240	12.32797	4.502163	1.001729	4.49439	6.98E-06	3.47E-05	0	0.547412	2.782925	29.01765	23.53022	18.08963
7615	TOX2	7.370447	4.501395	1.2784	3.521117	0.00043	0.0015	0	0.547412	1.391463	24.5534	10.69555	7.034856
10005	CD248	5.105638	4.500352	1.573626	2.859862	0.004238	0.011262	0	0	1.391463	13.39276	12.83466	3.014938
6463	CCL24	9.396531	4.500277	1.138003	3.954539	7.67E-05	0.000315	0	1.642235	0.695731	29.01765	14.97377	10.04979
9780	PIRT	5.053107	4.499892	1.54685	2.909067	0.003625	0.009852	0	0	1.391463	8.928508	14.97377	5.024897
7534	ESR2	7.354944	4.499069	1.268191	3.547627	0.000389	0.001372	0	0.547412	1.391463	22.32127	12.83466	7.034856
8386	LOC119615	1.756911	4.497955	1.36842	3.28697	0.001013	0.00321	0	0	2.087194	4.464254	27.80844	11.05477
16474	GIMD1	1.215527	4.496686	2.852771	1.576252	0.114968	0.185488	0	0	0	0	4.278221	3.014938
16476	LOC103220	1.215527	4.496686	2.852771	1.576252	0.114968	0.185488	0	0	0	0	4.278221	3.014938
16484	LOC119620	1.215527	4.496686	2.852771	1.576252	0.114968	0.185488	0	0	0	0	4.278221	3.014938
16485	LOC119620	1.215527	4.496686	2.852771	1.576252	0.114968	0.185488	0	0	0	0	4.278221	3.014938
16494	LOC119620	1.215527	4.496686	2.852771	1.576252	0.114968	0.185488	0	0	0	0	4.278221	3.014938
9951	LOC119626	5.037604	4.494596	1.563567	2.874578	0.004046	0.010808	0	0	1.391463	6.696381	17.11289	5.024897
15616	LOC119624	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15617	INS	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15618	TAAR6	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15619	LOC119620	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15620	CLDN20	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15622	LOC119620	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15623	LOC119620	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15624	LOC103220	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15626	LOC119618	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15627	PTCHD3	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15628	LOC119618	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15629	LOC103230	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15630	LOC119620	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15631	VGLL1	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15633	ZG16	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15634	KRTAP11-1	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15635	LOC103234	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15636	LOC119620	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
15638	NKX2-4	1.252555	4.493556	2.602035	1.726939	0.084179	0.143097	0	0	0	2.232127	4.278221	1.004979
3921	LOC119620	21.795	4.492993	0.827529	5.429407	5.65E-08	3.83E-07	1.626259	0.547412	3.478657	46.87467	64.17332	14.06971
7576	LOC103230	7.181849	4.492846	1.271417	3.533731	0.00041	0.001438	0	0.547412	1.391463	6.696381	21.39111	13.06473
7705	TGM7	7.344576	4.491933	1.28648	3.491646	0.00048	0.001656	0.542086	0	1.391463	17.85702	19.252	5.024897
12105	FAM135B	26.84104	4.491302	1.882811	2.385423	0.017059	0.037466	0	0	6.957314	51.33892	70.59065	32.15934
7087	PLD5	9.674849	4.489334	1.212857	3.701452	0.000214	0.000804	0	1.094824	1.391463	29.01765	23.53022	3.014938
8144	LOC119620	7.054209	4.488324	1.333325	3.366263	0.000762	0.002487	0	1.094824	0.695731	6.696381	27.80844	6.029877
16659	LOC119620	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16660	LOC103230	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16661	LOC119624	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16662	CLRN1	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16663	TAS2R16	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16664	LOC103220	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16665	LOC119620	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16666	LOC119620	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16667	LOC119618	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16668	CPB2	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16669	LOC103230	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16670	LOC119618	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16672	LOC119620	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979
16673	LOC103230	1.237052	4.485991	2.901658	1.546009	0.122102	0.194691	0	0	0	0	6.417332	1.004979



11909	LOC10324	4.538206	4.485271	1.851233	2.422856	0.015399	0.034376	0	1.094824	0	11.16063	14.97377	0
4173	LOC11962	16.37225	4.483355	0.854878	5.244437	1.57E-07	9.99E-07	1.626259	0	2.782925	24.5534	32.08666	37.18424
7823	LRIT3	7.463624	4.481942	1.295443	3.459775	0.000541	0.001837	0	0	2.087194	13.39276	19.252	10.04979
5115	LOC11962	14.80909	4.480823	0.969612	4.621254	3.81E-06	1.98E-05	0	0.547412	3.478657	31.24978	38.50399	15.07469
7922	LOC11962	7.500652	4.480387	1.305391	3.432219	0.000599	0.002009	0	0	2.087194	15.62489	19.252	8.039836
7329	GALNT5	10.14926	4.48001	1.236244	3.623887	0.00029	0.001053	0	0	2.782925	17.85702	34.22577	6.029877
5467	CHL1	12.01131	4.479988	1.011271	4.430057	9.42E-06	4.58E-05	0	1.094824	2.087194	29.01765	27.80844	12.05975
10585	RXFP4	5.006599	4.479303	1.643039	2.726231	0.006406	0.01609	0	0	1.391463	2.232127	21.39111	5.024897
10167	SPRR3	4.471855	4.475787	1.586009	2.822044	0.004772	0.012478	1.084173	0	0	11.16063	8.556443	6.029877
8646	GLRA3	6.772009	4.474907	1.391415	3.216084	0.0013	0.003996	0	1.642235	0	17.85702	17.11289	4.019918
6575	CAPSL	9.69397	4.472087	1.143706	3.91017	9.22E-05	0.000373	0	0.547412	2.087194	13.39276	32.08666	10.04979
10346	LOC10322	4.510658	4.470318	1.609458	2.77753	0.005477	0.014075	0	1.094824	0	13.39276	8.556443	4.019918
8445	LOC10322	7.543703	4.46971	1.366732	3.270363	0.001074	0.003381	0	0	2.087194	15.62489	23.53022	4.019918
9742	PRKACG	4.717489	4.469303	1.531329	2.918577	0.003516	0.009596	0.542086	0	0.695731	15.62489	6.417332	5.024897
4183	FFAR4	22.00078	4.467648	0.853077	5.237097	1.63E-07	1.04E-06	1.084173	0	4.87012	51.33892	55.61688	19.09461
5820	LOC11962	14.81165	4.466311	1.047677	4.263062	2.02E-05	9.21E-05	0	0.547412	3.478657	22.32127	53.47777	9.044815
7512	BSPH1	7.128894	4.466283	1.256496	3.554555	0.000379	0.00134	0	0.547412	1.391463	20.08914	10.69555	10.04979
9842	LOC10324	4.836537	4.464453	1.541772	2.895664	0.003784	0.01022	0	0	1.391463	11.16063	6.417332	10.04979
6311	GP1BA	15.21143	4.463931	1.110038	4.021423	5.78E-05	0.000244	0	0	4.174388	49.10679	29.94755	8.039836
7884	HAPLN1	7.20295	4.462172	1.295044	3.445575	0.00057	0.001922	0	0.547412	1.391463	24.5534	10.69555	6.029877
9787	LOC11962	4.858063	4.459842	1.533985	2.907357	0.003645	0.009901	0	0	1.391463	11.16063	8.556443	8.039836
7924	LOC11962	6.964226	4.459233	1.299368	3.431849	0.000599	0.002011	0	1.094824	0.695731	17.85702	17.11289	5.024897
12817	GABRA6	2.364272	4.456541	1.994126	2.234834	0.025428	0.052743	0	0.547412	0	4.464254	2.139111	7.034856
4793	LMO3	19.68522	4.455488	0.924802	4.817777	1.45E-06	8.05E-06	0	0.547412	4.87012	35.71403	59.8951	17.08465
9922	DDI1	4.708009	4.454876	1.547067	2.879563	0.003982	0.01067	0.542086	0	0.695731	11.16063	12.83466	3.014938
6218	TDRD9	9.327347	4.454805	1.095357	4.066991	4.76E-05	0.000204	0.542086	0.547412	1.391463	15.62489	27.80844	10.04979
10208	LOC10322	4.602948	4.452628	1.581891	2.814749	0.004882	0.012713	0.542086	0	0.695731	2.232127	17.11289	7.034856
10127	HIGD2B	4.932119	4.452355	1.572415	2.831539	0.004632	0.012161	0	0	1.391463	15.62489	8.556443	4.019918
7242	CYP11B2	9.907712	4.452306	1.218206	3.654807	0.000257	0.000945	0	0	2.782925	13.39276	34.22577	9.044815
4572	LOC10324	16.46917	4.451995	0.897727	4.959187	7.08E-07	4.12E-06	0	1.642235	2.782925	31.24978	47.06043	16.07967
4096	SLFN12L	18.89519	4.451992	0.840035	5.299772	1.16E-07	7.53E-07	0	1.642235	3.478657	37.94616	49.19955	21.10457
7809	TAFT7L	7.125437	4.449241	1.284768	3.463069	0.000534	0.001818	0	0.547412	1.391463	13.39276	21.39111	6.029877
8193	CR1L	7.379664	4.448055	1.328398	3.348435	0.000813	0.002637	0	0	2.087194	22.32127	12.83466	7.034856
3994	LOC10322	26.50347	4.446834	0.826799	5.378375	7.52E-08	5.00E-07	0	1.642235	5.565851	53.57105	79.14709	19.09461
12619	PYDC1	2.410517	4.443987	1.951476	2.277243	0.022772	0.047974	0	0	0.695731	4.464254	4.278221	5.024897
12646	CCDC153	2.385797	4.443941	1.956373	2.271521	0.023115	0.048594	0	0.547412	0	4.464254	4.278221	5.024897
10146	LOC11961	4.811555	4.443454	1.57197	2.826679	0.004703	0.012324	0	0	1.391463	4.464254	14.97377	8.039836
7006	PNOC	9.827209	4.442948	1.190943	3.730615	0.000191	0.000725	0	0	2.782925	29.01765	17.11289	10.04979
5031	LY6H	19.79133	4.442039	0.950584	4.672958	2.97E-06	1.57E-05	0	0	5.565851	35.71403	51.33866	26.12947
12788	CTSG	2.395015	4.436568	1.979158	2.241644	0.024984	0.05194	0	0	0.695731	2.232127	6.417332	5.024897
11187	LOC10323	4.668411	4.436557	1.716459	2.584714	0.009746	0.023161	0	0.547412	0.695731	2.232127	23.53022	1.004979
8402	LILRB4	7.354681	4.435507	1.351319	3.282355	0.001029	0.003257	0	0	2.087194	15.62489	21.39111	5.024897
13753	LOC10323	2.333267	4.43525	2.155592	2.057555	0.039633	0.076612	0	0.547412	0	0	6.417332	7.034856
4939	LOC10323	16.64546	4.433986	0.939444	4.719797	2.36E-06	1.27E-05	0	1.094824	3.478657	46.87467	36.36488	12.05975
13110	CUNH10r	2.459853	4.433711	2.028475	2.185736	0.028835	0.058468	0	0.547412	0	8.928508	4.278221	1.004979
13111	LOC10324	2.459853	4.433711	2.028475	2.185736	0.028835	0.058468	0	0.547412	0	8.928508	4.278221	1.004979
4812	VIT	16.3232	4.433674	0.922562	4.805827	1.54E-06	8.51E-06	0	1.642235	2.782925	31.24978	49.19955	13.06473
13081	LOC11962	2.484573	4.433364	2.023761	2.190655	0.028477	0.057872	0	0	0.695731	8.928508	4.278221	1.004979
13082	LOC11962	2.484573	4.433364	2.023761	2.190655	0.028477	0.057872	0	0	0.695731	8.928508	4.278221	1.004979
6931	LOC10324	9.296805	4.431787	1.177508	3.7637	0.000167	0.000642	0	1.094824	1.391463	29.01765	19.252	5.024897
7976	SULT4A1	6.784684	4.431511	1.296582	3.41784	0.000631	0.002104	0	1.094824	0.695731	22.32127	8.556443	8.039836
5784	VAT1L	11.86251	4.429747	1.034199	4.283266	1.84E-05	8.47E-05	0	0.547412	2.782925	31.24978	23.53022	13.06473
12707	LOC11962	2.407323	4.429063	1.962557	2.256781	0.024022	0.050257	0	0.547412	0	4.464254	6.417332	3.014938
12687	LOC11962	2.432043	4.428898	1.957746	2.262244	0.023682	0.049614	0	0	0.695731	4.464254	6.417332	3.014938
12688	LOC11962	2.432043	4.428898	1.957746	2.262244	0.023682	0.049614	0	0	0.695731	4.464254	6.417332	3.014938
12689	LOC11962	2.432043	4.428898	1.957746	2.262244	0.023682	0.049614	0	0	0.695731	4.464254	6.417332	3.014938
12690	IL36B	2.432043	4.428898	1.957746	2.262244	0.023682	0.049614	0	0	0.695731	4.464254	6.417332	3.014938
13742	LOC11962	2.379512	4.427185	2.147714	2.061348	0.03927	0.075971	0	0	0.695731	0	8.556443	5.024897
10705	GASK1A	4.891633	4.427176	1.645664	2.690207	0.007141	0.017734	0	0	1.391463	6.696381	19.252	2.009959
1262	STC1	81.94153	4.426048	0.444037	9.967744	2.11E-23	4.44E-22	2.710432	7.116354	12.52316	124.9991	209.6328	134.6672
13077	LOC11962	2.444351	4.425441	2.01975	2.191083	0.028446	0.05782	0	0.547412	0	6.696381	6.417332	1.004979
13050	RHEX	2.469071	4.425095	2.014996	2.196081	0.028086	0.057212	0	0	0.695731	6.696381	6.417332	1.004979
13051	MUC3A	2.469071	4.425095	2.014996	2.196081	0.028086	0.057212	0	0	0.695731	6.696381	6.417332	1.004979
5873	CD1C	11.56178	4.423827	1.046132	4.228746	2.35E-05	0.000106	0	1.094824	2.087194	15.62489	38.50399	12.05975
608	ACP5	116.7415	4.423687	0.32692	13.53141	1.02E-41	4.46E-40	11.38381	13.6853	5.565851	212.0521	224.6066	233.1552
12966	PPP4R3C	2.39182	4.422897	2.001078	2.210256	0.027087	0.055535	0	0.547412	0	2.232127	8.556443	3.014938
12967	LOC11962	2.39182	4.422897	2.001078	2.210256	0.027087	0.055535	0	0.547412	0	2.232127	8.556443	3.014938
12934	LLCFC1	2.41654	4.422758	1.99615	2.215644	0.026716	0.054913	0	0	0.695731	2.232127	8.556443	3.014938
8155	PLA2G2D	7.035454	4.42198	1.314569	3.363825	0.000769	0.002506	0	0.547412	1.391463	24.5534	10.69555	5.024897
3832	FBN3	31.32336	4.4199	0.80188	5.511922	3.55E-08	2.46E-07	0.542086	0.547412	7.653045	55.80317	96.25998	27.13445
13179	S100G	2.428848	4.41867	2.032439	2.174073	0.0297	0.059913	0	0.547412	0	4.464254	8.556443	1.004979
13158	LOC11962	2.453568	4.418343	2.027634	2.179063	0.029327	0.059249	0	0	0.695731	4.464254	8.556443	1.004979
13159	CUNH10r	2.453568	4.418343	2.027634	2.179063	0.029327	0.059249	0	0	0.695731	4.464254	8.556443	1.004979
10563	BOD1L2	4.373279	4.417987	1.61823	2.730136	0.006331	0.015933	0.542086	0.547412	0	17.85702	4.278221	3.014938</



10829	HEMGN	4.358664	4.415912	1.656942	2.665097	0.007697	0.018895	0	1.094824	0	15.62489	6.417332	3.014938
7731	LMX1A	6.899387	4.415392	1.267719	3.482942	0.000496	0.001705	0	0.547412	1.391463	11.16063	19.252	9.044815
8075	SPINT1	7.101083	4.414077	1.301865	3.390581	0.000697	0.002296	0	0	2.087194	15.62489	12.83466	12.05975
14295	LOC119621	2.422562	4.413913	2.249253	1.962391	0.049717	0.092461	0	0	0.695731	0	12.83466	1.004979
11279	LOC119618	4.860628	4.413878	1.722659	2.562247	0.0104	0.024513	0	0	1.391463	2.232127	23.53022	2.009959
13404	LOC119620	2.412458	4.413634	2.075432	2.126609	0.033453	0.066349	0.542086	0	0	2.232127	10.69555	1.004979
13375	LOC119621	2.438065	4.413334	2.070352	2.131683	0.033033	0.065662	0	0	0.695731	2.232127	10.69555	1.004979
5506	CUNH12or	16.91924	4.412478	1.00082	4.408864	1.04E-05	5.02E-05	0	0	4.87012	22.32127	49.19955	25.12449
5118	SGCD	16.38495	4.409143	0.954325	4.62017	3.83E-06	1.99E-05	0	1.094824	3.478657	33.4819	49.19955	11.05477
7357	KCNA6	9.665735	4.407987	1.219701	3.613992	0.000302	0.00109	0	0	2.782925	26.78552	21.39111	7.034856
6109	LOC103217	11.25459	4.407075	1.070822	4.115599	3.86E-05	0.000168	0	1.642235	1.391463	20.08914	36.36488	8.039836
7490	LOC119619	9.402028	4.405676	1.23531	3.566453	0.000362	0.001284	0	0.547412	2.087194	13.39276	36.36488	4.019918
8181	LOC103214	6.942437	4.40567	1.314298	3.352109	0.000802	0.002606	0	0.547412	1.391463	11.16063	23.53022	5.024897
2003	GIMAP7	38.70656	4.4006	0.551968	7.972557	1.55E-15	2.06E-14	2.168345	6.02153	2.087194	87.05295	70.59065	64.31869
4948	GCGR	13.64076	4.396798	0.932698	4.714065	2.43E-06	1.30E-05	0	1.094824	2.782925	26.78552	32.08666	19.09461
7683	LOC119620	9.104326	4.395811	1.256784	3.497667	0.000469	0.001624	0	1.094824	1.391463	22.32127	27.80844	2.009959
10120	UGT3A1	4.675063	4.395574	1.551682	2.832781	0.004614	0.012122	0	0	1.391463	8.928508	10.69555	7.034856
6896	GRIFIN	12.04179	4.394988	1.163487	3.777429	0.000158	0.000611	0	0	3.478657	20.08914	40.6431	8.039836
7436	LOC119618	9.477138	4.394115	1.225362	3.585973	0.000336	0.001201	0	0	2.782925	8.928508	32.08666	13.06473
2349	CHST4	34.36709	4.393	0.598342	7.341957	2.10E-13	2.38E-12	4.336691	1.642235	3.478657	37.94616	83.42532	75.37346
10226	PRSS54	4.712091	4.392026	1.563735	2.808677	0.004975	0.012934	0	0	1.391463	11.16063	10.69555	5.024897
8807	LOC103246	7.171682	4.391279	1.384338	3.172116	0.001513	0.004568	0	0	2.087194	13.39276	23.53022	4.019918
6530	LOC103216	11.69669	4.391049	1.118224	3.926805	8.61E-05	0.00035	0.542086	0	2.782925	22.32127	38.50399	6.029877
7477	LOC103225	12.10034	4.389951	1.229465	3.570619	0.000356	0.001266	0	0	3.478657	22.32127	42.78221	4.019918
11611	LOC119620	4.547423	4.389562	1.761669	2.491707	0.012713	0.029108	0	0.547412	0.695731	8.928508	17.11289	0
10457	MINAR1	4.525897	4.387369	1.592786	2.754524	0.005878	0.014943	0	0.547412	0.695731	8.928508	14.97377	2.009959
9310	LOC119620	7.193207	4.384833	1.446649	3.031027	0.002437	0.006959	0	0	2.087194	13.39276	25.66933	2.009959
10578	LOC103220	4.510395	4.383819	1.607213	2.727591	0.00638	0.016034	0	0.547412	0.695731	6.696381	17.11289	2.009959
4677	LOC103224	21.18121	4.383303	0.894638	4.899529	9.61E-07	5.46E-06	0	0.547412	5.565851	62.49956	36.36488	22.10955
5067	LOC103241	12.95339	4.382546	0.942224	4.651276	3.30E-06	1.73E-05	1.084173	1.642235	0.695731	29.01765	34.22577	11.05477
10391	HTR3B	4.681086	4.382255	1.583238	2.767907	0.005642	0.014434	0	0	1.391463	6.696381	14.97377	5.024897
7098	PLA2G5	9.080397	4.380451	1.185103	3.696262	0.000219	0.000819	0	0.547412	2.087194	6.696381	32.08666	13.06473
8235	RHOH	6.592204	4.377089	1.31221	3.335662	0.000851	0.002747	0	1.094824	0.695731	15.62489	17.11289	5.024897
7247	LOC119621	9.393177	4.375879	1.197567	3.653975	0.000258	0.000947	0	0	2.782925	17.85702	25.66933	10.04979
6617	LOC103238	8.844705	4.374986	1.123129	3.895356	9.81E-05	0.000394	0	1.094824	1.391463	24.5534	14.97377	11.05477
6478	SYNDIG1	8.792175	4.374692	1.108056	3.94808	7.88E-05	0.000323	0	1.094824	1.391463	20.08914	17.11289	13.06473
3	VCAM1	18494.96	4.372594	0.088988	49.13691	0	0	1702.693	1748.433	1659.319	34089.04	33768	38002.29
6903	NPSR1	9.094588	4.367833	1.156742	3.775977	0.000159	0.000614	0.542086	0	2.087194	26.78552	17.11289	8.039836
7244	LOC103221	8.633529	4.367165	1.195128	3.65414	0.000258	0.000947	0	1.642235	0.695731	15.62489	27.80844	6.029877
4237	LOC103241	23.03519	4.366787	0.840459	5.195715	2.04E-07	1.28E-06	0.542086	0.547412	5.565851	53.57105	59.8951	18.08963
6709	LOC103230	11.54559	4.366614	1.133559	3.852127	0.000117	0.000464	0	0.547412	2.782925	24.5534	36.36488	5.024897
3162	LOC119624	21.37026	4.366586	0.703962	6.202868	5.54E-10	4.66E-09	2.168345	1.094824	2.782925	46.87467	32.08666	43.21412
6442	SYNDIG1L	14.21635	4.363793	1.10081	3.964166	7.37E-05	0.000304	0	0	4.174388	35.71403	36.36488	9.044815
8411	RESP18	6.924107	4.362185	1.33051	3.278581	0.001043	0.003298	0	0	2.087194	11.16063	19.252	9.044815
9054	LOC119619	7.066196	4.361104	1.40904	3.09509	0.001968	0.005777	0	0	2.087194	22.32127	14.97377	3.014938
3817	IL25	27.36091	4.360616	0.788841	5.527874	3.24E-08	2.26E-07	0	1.642235	6.261582	66.96381	64.17332	25.12449
8274	FABP12	6.123977	4.360079	1.312763	3.321299	0.000896	0.002879	0.542086	1.094824	0	15.62489	6.417332	13.06473
2415	NR0B1	33.22953	4.359982	0.601288	7.25107	4.13E-13	4.55E-12	1.626259	6.02153	1.391463	64.73168	66.31243	59.29379
575	RET	135.2603	4.357173	0.314727	13.84429	1.38E-43	6.37E-42	7.589209	15.32753	15.30609	216.5163	267.3888	289.4341
9445	TRIM40	6.252241	4.353894	1.452107	2.998329	0.002715	0.007641	1.084173	0.547412	0	15.62489	19.252	1.004979
9333	LOC103246	6.247994	4.353799	1.440293	3.022856	0.002504	0.007133	0	1.642235	0	17.85702	14.97377	3.014938
7753	TMEM132b	8.562408	4.353728	1.252043	3.477299	0.000506	0.001737	1.626259	0	0.695731	26.78552	19.252	3.014938
6830	GLOD5	11.66375	4.351992	1.143236	3.806731	0.000141	0.000548	0	0	3.478657	20.08914	36.36488	10.04979
5371	DIPK2B	13.08856	4.351552	0.971346	4.479921	7.47E-06	3.70E-05	0	1.642235	2.087194	20.08914	40.6431	14.06971
7245	LOC119621	9.219658	4.350832	1.190683	3.654064	0.000258	0.000947	0	0	2.782925	20.08914	21.39111	11.05477
10125	SCRT2	4.309328	4.349198	1.535777	2.83192	0.004627	0.012149	0	0.547412	0.695731	11.16063	6.417332	7.034856
9135	LOC103241	7.004185	4.349133	1.416099	3.071206	0.002132	0.006205	0	0	2.087194	13.39276	23.53022	3.014938
4828	SLC6A2	17.80625	4.347358	0.906559	4.795452	1.62E-06	8.94E-06	0	1.642235	3.478657	46.87467	42.78221	12.05975
5589	LOC103231	13.09972	4.346881	0.99313	4.376949	1.20E-05	5.72E-05	0.542086	1.094824	2.087194	15.62489	49.19955	10.04979
13589	ANKUB1	2.159748	4.343012	2.076262	2.091745	0.036461	0.071331	0	0.547412	0	2.232127	2.139111	8.039836
14641	LOC103238	2.306972	4.337732	2.285005	1.898347	0.05765	0.104674	0.542086	0	0	11.16063	2.139111	0
14642	LOC119621	2.306972	4.337732	2.285005	1.898347	0.05765	0.104674	0.542086	0	0	11.16063	2.139111	0
14621	LOC119620	2.332579	4.337344	2.278576	1.903533	0.056971	0.103582	0	0	0.695731	11.16063	2.139111	0
8534	HGF	6.760068	4.335513	1.336076	3.24496	0.001175	0.003659	0	0	2.087194	17.85702	8.556443	12.05975
8685	LOC103221	6.16357	4.335115	1.351406	3.207856	0.001337	0.004094	0.542086	1.094824	0	8.928508	21.39111	5.024897
8676	LOC119624	6.445346	4.333594	1.349908	3.210287	0.001326	0.004063	0.542086	0.547412	0.695731	15.62489	19.252	2.009959
10963	LOC103225	4.389406	4.333184	1.643606	2.636389	0.008379	0.02032	0	0.547412	0.695731	13.39276	10.69555	1.004979
1508	LOC103234	62.42067	4.331254	0.469202	9.23111	2.68E-20	4.72E-19	5.420864	10.40082	1.391463	127.2312	115.512	114.5677
8328	LOC119618	6.616924	4.330935	1.310092	3.305825	0.000947	0.003023	0	0.547412	1.391463	15.62489	17.11289	5.024897
6001	LOC103231	69.09739	4.329492	1.039915	4.163313	3.14E-05	0.000139	0.542086	6.02153	13.2189	176.338	156.1551	62.30873
10472	LOC119619	4.336876	4.328262	1.573444	2.75082	0.005945	0.015091	0	0.547412	0.695731	8.928508	12.83466	3.014938
10489	CFHR5	4.284345	4.327936	1.575305	2.747363	0.006008	0.015227	0	0.547412	0.695731	4.464254	14.97377	5.024897
1708	CRB2	47.65576	4.327818	0.497346	8.701834	3.27E-18	5.08E-17	2.168345	6.568942	4.87012	73.66019	111.2338	



10556	LOC103221	4.492064	4.326925	1.583553	2.732417	0.006287	0.015834	0	0	1.391463	6.696381	12.83466	6.029877
13471	LOC119618	2.295551	4.3262	2.047756	2.112654	0.03463	0.068333	0	0	0.695731	8.928508	2.139111	2.009959
13472	POF1B	2.295551	4.3262	2.047756	2.112654	0.03463	0.068333	0	0	0.695731	8.928508	2.139111	2.009959
13473	INSL3	2.295551	4.3262	2.047756	2.112654	0.03463	0.068333	0	0	0.695731	8.928508	2.139111	2.009959
14460	LOC119621	2.317077	4.326177	2.23899	1.9322	0.053335	0.098057	0	0	0.695731	8.928508	4.278221	0
13224	LOC119618	2.217413	4.324656	1.998479	2.163974	0.030466	0.061248	0.542086	0	0	4.464254	4.278221	4.019918
13194	LOC119620	2.243021	4.324625	1.992812	2.170112	0.029998	0.060445	0	0	0.695731	4.464254	4.278221	4.019918
3689	LOC119621	28.48315	4.32453	0.765428	5.649818	1.61E-08	1.16E-07	0.542086	2.189647	5.565851	55.80317	87.70354	19.09461
10979	LOC103235	4.581623	4.323613	1.641569	2.63383	0.008443	0.020442	0	0	1.391463	13.39276	10.69555	2.009959
10980	VSIG4	4.581623	4.323613	1.641569	2.63383	0.008443	0.020442	0	0	1.391463	13.39276	10.69555	2.009959
8744	LOC119621	6.809141	4.32131	1.354672	3.189932	0.001423	0.004327	0	0	2.087194	15.62489	17.11289	6.029877
18373	LOC119621	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18374	TRNAH-GU	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18375	LOC103240	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18376	LOC103217	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18378	LOC119621	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18379	WFDC10A	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18380	LOC119620	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18381	LOC119620	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18382	LOC119621	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
18383	LOC103227	1.116063	4.321142	3.409414	1.267415	0.205007	0.296443	0	0	0	6.696381	0	0
10742	LOC119621	4.30587	4.320886	1.611278	2.681652	0.007326	0.018131	0	0.547412	0.695731	4.464254	17.11289	3.014938
14473	PTGDR	2.276854	4.317396	2.23739	1.929657	0.053649	0.098547	0	0.547412	0	6.696381	6.417332	0
4947	SLC36A2	15.11113	4.317314	0.915594	4.715317	2.41E-06	1.30E-05	0	1.642235	2.782925	37.94616	34.22577	14.06971
13386	ARL14EPL	2.202798	4.316991	2.026744	2.130013	0.033171	0.065878	0	0.547412	0	2.232127	6.417332	4.019918
14445	LRRC2	2.301574	4.31699	2.230921	1.93507	0.052982	0.097502	0	0	0.695731	6.696381	6.417332	0
14446	PRR4	2.301574	4.31699	2.230921	1.93507	0.052982	0.097502	0	0	0.695731	6.696381	6.417332	0
13353	LOC103231	2.227518	4.316982	2.021151	2.135903	0.032687	0.065077	0	0	0.695731	2.232127	6.417332	4.019918
13316	LOC103235	2.280049	4.316373	2.013688	2.143516	0.032072	0.063992	0	0	0.695731	6.696381	4.278221	2.009959
13317	HTR1E	2.280049	4.316373	2.013688	2.143516	0.032072	0.063992	0	0	0.695731	6.696381	4.278221	2.009959
13319	LOC119621	2.280049	4.316373	2.013688	2.143516	0.032072	0.063992	0	0	0.695731	6.696381	4.278221	2.009959
13321	RERGL	2.280049	4.316373	2.013688	2.143516	0.032072	0.063992	0	0	0.695731	6.696381	4.278221	2.009959
13324	LOC119621	2.280049	4.316373	2.013688	2.143516	0.032072	0.063992	0	0	0.695731	6.696381	4.278221	2.009959
4879	LOC119621	17.85869	4.315402	0.907913	4.7531	2.00E-06	1.09E-05	0.542086	0	4.87012	35.71403	44.92132	21.10457
10987	LOC103221	4.498087	4.311791	1.637868	2.632564	0.008474	0.020505	0	0	1.391463	4.464254	17.11289	4.019918
11131	LOC103224	4.461059	4.310051	1.660208	2.59609	0.009429	0.02252	0	0	1.391463	2.232127	17.11289	6.029877
13373	PRDM6	2.239826	4.308792	2.021285	2.131709	0.033031	0.065662	0	0.547412	0	4.464254	6.417332	2.009959
6192	LOC103241	10.96559	4.308538	1.056686	4.077405	4.55E-05	0.000196	0.542086	0	2.782925	29.01765	21.39111	12.05975
13348	LOC103241	2.264546	4.308522	2.01591	2.137259	0.032577	0.064873	0	0	0.695731	4.464254	6.417332	2.009959
13349	CPHL	2.264546	4.308522	2.01591	2.137259	0.032577	0.064873	0	0	0.695731	4.464254	6.417332	2.009959
13350	LOC119621	2.264546	4.308522	2.01591	2.137259	0.032577	0.064873	0	0	0.695731	4.464254	6.417332	2.009959
6187	CUNH8orf1	10.78028	4.308348	1.055784	4.08071	4.49E-05	0.000193	0	1.094824	2.087194	26.78552	25.66933	9.044815
2287	LOC119621	59.85873	4.307931	0.57895	7.440936	1.00E-13	1.16E-12	0.542086	6.568942	10.43597	113.8385	160.4333	67.33362
4108	CUNH8orf1	19.20043	4.307704	0.814225	5.29056	1.22E-07	7.89E-07	0	2.189647	3.478657	44.64254	42.78221	22.10955
5428	TMEM176I	12.93977	4.317574	0.968613	4.447158	8.70E-06	4.26E-05	0	1.094824	2.782925	22.32127	36.36488	15.07469
17363	LOC119624	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
17364	LOC103230	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
17365	LOC103231	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
17366	DLEU7	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
17367	LOC119620	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
17369	LOC119621	1.079035	4.304465	2.996847	1.436331	0.150908	0.23098	0	0	0	4.464254	0	2.009959
15759	TFF1	2.255066	4.303518	2.519936	1.707789	0.087676	0.147906	0	0	0.695731	0	12.83466	0
14797	LOC103244	2.245849	4.303188	2.296916	1.873464	0.061004	0.109603	0	0.547412	0	2.232127	10.69555	0
11338	LOC103221	4.482584	4.303138	1.688313	2.54878	0.01081	0.025347	0	0	1.391463	2.232127	19.252	4.019918
6505	IL7R	11.02503	4.303102	1.092394	3.93915	8.18E-05	0.000334	0	0.547412	2.782925	31.24978	23.53022	8.039836
10387	SLITRK4	27.92745	4.302881	1.554139	2.176866	0.005629	0.014406	0	0.547412	7.653045	53.57105	87.70354	18.08963
14765	LOC119619	2.270569	4.302842	2.290316	1.878711	0.060284	0.108536	0	0	0.695731	2.232127	10.69555	0
14766	LOC103235	2.270569	4.302842	2.290316	1.878711	0.060284	0.108536	0	0	0.695731	2.232127	10.69555	0
8403	LOC103224	5.999531	4.302641	1.310881	3.282251	0.00103	0.003258	0.542086	1.094824	0	15.62489	10.69555	8.039836
13607	RBBP8NL	2.223436	4.302513	2.060304	2.088291	0.036772	0.071843	0.542086	0	0	2.232127	8.556443	2.009959
13603	LOC103224	2.224323	4.302504	2.060104	2.088489	0.036754	0.071814	0	0.547412	0	2.232127	8.556443	2.009959
13605	LOC119621	2.224323	4.302504	2.060104	2.088489	0.036754	0.071814	0	0.547412	0	2.232127	8.556443	2.009959
13606	LOC119621	2.224323	4.302504	2.060104	2.088489	0.036754	0.071814	0	0.547412	0	2.232127	8.556443	2.009959
13571	FABP6	2.249043	4.302263	2.054479	2.09409	0.036252	0.071011	0	0	0.695731	2.232127	8.556443	2.009959
13572	LOC103234	2.249043	4.302263	2.054479	2.09409	0.036252	0.071011	0	0	0.695731	2.232127	8.556443	2.009959
6313	ATOH1	10.95611	4.302169	1.070017	4.020655	5.80E-05	0.000244	0.542086	0	2.782925	24.5534	27.80844	10.04979
6258	LOC119621	13.47619	4.300873	1.06299	4.046014	5.21E-05	0.000221	0	0	4.174388	20.08914	38.50399	18.08963
14547	LOC103231	2.208821	4.300286	2.243343	1.916909	0.055249	0.10097	0	0.547412	0	0	10.69555	2.009959
17474	LOC119624	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918
17475	LOC103217	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918
17477	APOC3	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918
17478	LOC119621	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918
17480	LOC103231	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918
17481	LOC119621	1.042007	4.300194	3.03882	1.415087	0.157043	0.23883	0	0	0	2.232127	0	4.019918



8216	ATP6V0D2	6.40549	4.299161	1.286573	3.341561	0.000833	0.002696	0.542086	0	1.391463	15.62489	12.83466	8.039836
6269	LOC103232	10.85193	4.298031	1.063137	4.042784	5.28E-05	0.000224	0	0.547412	2.782925	15.62489	32.08666	14.06971
4606	RIOX1	19.47875	4.298016	0.869954	4.940509	7.79E-07	4.50E-06	0	1.642235	4.174388	44.64254	51.33866	15.07469
12890	LOC119623	26.0235	4.296839	1.935044	2.220538	0.026382	0.054412	0	0	7.653045	64.73168	55.61688	28.13943
12478	DYNLT5	4.55664	4.295812	1.863765	2.304911	0.021172	0.045107	0	0	1.391463	6.696381	19.252	0
3154	NCKAP1L	30.04069	4.294815	0.69134	6.212306	5.22E-10	4.40E-09	1.084173	1.642235	6.261582	73.66019	68.45154	29.1444
8687	IFIT1B	6.480433	4.292662	1.338314	3.207516	0.001339	0.004097	0	0.547412	1.391463	20.08914	12.83466	4.019918
17487	LOC119618	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17488	LOC119624	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17490	LOC103238	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17491	LOC119624	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17492	CCR3	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17493	LOC103228	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17494	LOC103248	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17495	LOC103221	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17496	SYT5	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17497	LOC119621	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17498	LOC119621	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17499	LOC103248	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17500	LOC119628	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17502	CUNH20orf	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17503	LOC119619	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17504	LOC103230	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17505	LOC103247	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17506	LOC103231	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17509	LOC103231	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17510	LOC103218	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
17511	LOC119621	1.100561	4.291847	3.037936	1.412751	0.157729	0.23947	0	0	0	4.464254	2.139111	0
1029	TJP3	76.07073	4.289968	0.394734	10.86799	1.64E-27	4.23E-26	5.96295	6.02153	10.43597	174.1059	143.3204	116.5776
4560	RASL12	17.08045	4.288832	0.863573	4.96638	6.82E-07	3.98E-06	1.084173	0	4.174388	42.41041	25.66933	29.1444
8384	DMRTB1	6.359869	4.287955	1.304326	3.287488	0.001011	0.003205	0	0.547412	1.391463	8.928508	19.252	8.039836
5983	GPHB5	10.16891	4.287702	1.027951	4.171116	3.03E-05	0.000135	0.542086	1.642235	0.695731	24.5534	23.53022	10.04979
13167	DPP10	23.51007	4.287482	1.969045	2.177442	0.029448	0.059457	0	0	6.957314	60.26743	57.75599	16.07967
5386	KLK4	14.81962	4.287356	0.959031	4.470507	7.80E-06	3.85E-05	0	1.642235	2.782925	20.08914	51.33866	13.06473
16473	CUNH5orf	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16475	LOC119624	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16477	LOC119624	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16478	INSL6	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16482	LOC119628	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16483	LOC103247	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16486	LRIT1	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16487	LOC103221	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16489	LOC103229	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16490	LOC103247	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16491	LOC103231	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16492	LOC119621	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16493	PRM2	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16496	SYCN	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
16497	CSN3	1.063533	4.286907	2.720691	1.575669	0.115102	0.185488	0	0	0	2.232127	2.139111	2.009959
6205	LOC119625	13.3552	4.286621	1.053144	4.070308	4.70E-05	0.000201	0	0	4.174388	26.78552	32.08666	17.08465
4640	LRRC18	17.23547	4.285946	0.870443	4.923867	8.49E-07	4.86E-06	0.542086	0.547412	4.174388	49.10679	29.94755	19.09461
6331	LOC103248	15.79887	4.284115	1.067789	4.012136	6.02E-05	0.000253	0	0	4.87012	44.64254	34.22577	11.05477
8806	LOC103221	6.583091	4.283412	1.350178	3.172479	0.001511	0.004563	0	0	2.087194	13.39276	14.97377	9.044815
17588	GPR6	1.026505	4.283168	3.053752	1.402592	0.160739	0.242949	0	0	0	0	2.139111	4.019918
17589	LOC119620	1.026505	4.283168	3.053752	1.402592	0.160739	0.242949	0	0	0	0	2.139111	4.019918
9395	BEST4	6.694175	4.277147	1.421801	3.00826	0.002627	0.007435	0	0	2.087194	20.08914	14.97377	3.014938
8923	FGF6	6.589114	4.275884	1.362348	3.138613	0.001697	0.005057	0	0	2.087194	11.16063	19.252	7.034856
8924	LOC119621	6.589114	4.275884	1.362348	3.138613	0.001697	0.005057	0	0	2.087194	11.16063	19.252	7.034856
130	SMPD3	386.9101	4.275179	0.185303	23.07126	9.00E-118	1.84E-115	39.5723	38.31883	36.17803	743.2983	663.1243	800.9686
17592	ASIC5	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17593	LOC119624	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17594	LOC119618	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17595	LOC119624	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17596	LOC103234	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17597	LOC119625	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17599	LOC119626	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17600	LOC119628	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17601	LOC119626	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17602	LOC103228	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17603	LOC119628	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17604	LOC103247	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17606	GKN2	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17607	LOC119621	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17608	LOC119621	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0



17609	LOC119621	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17610	LOC119621	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17611	LOC10321	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17612	LOC11961	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17614	LOC11961	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17615	LOC11961	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17617	LOC11961	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17618	LOC11961	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17620	UBE2QL1	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17623	LOC11962	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17625	LOC10323	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17626	KRTAP1-3	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17627	KRT40	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17628	LOC10324	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17630	LOC10323	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17631	LOC10323	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17632	LOC10324	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17633	LOC10322	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
17634	LOC11962	1.085058	4.274666	3.051365	1.400903	0.161243	0.24309	0	0	0	2.232127	4.278221	0
10485	SHE	4.110826	4.273438	1.554913	2.748345	0.00599	0.015187	0	0.547412	0.695731	6.696381	10.69555	6.029877
9553	PLD4	6.408055	4.273287	1.437989	2.971711	0.002961	0.008241	0.542086	0	1.391463	6.696381	27.80844	2.009959
7165	HS6ST3	8.534432	4.272987	1.162476	3.675763	0.000237	0.00088	0	0.547412	2.087194	24.5534	14.97377	9.044815
8851	EYA1	8.664008	4.27237	1.353618	3.156259	0.001598	0.0048	0	0.547412	2.087194	6.696381	40.6431	2.009959
1090	KCNT1	66.42003	4.271937	0.405008	10.54779	5.20E-26	1.27E-24	6.505036	4.379295	9.044508	116.0706	136.9031	125.6224
17514	LOC11962	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17515	LOC11962	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17516	MS4A5	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17517	AADACL2	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17518	NRSN1	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17519	LOC10321	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17520	LOC11962	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17523	LOC10321	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17524	LOC11961	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17525	LOC10322	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17528	SPACA3	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17529	LOC11962	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
17530	LOC11962	1.04803	4.270506	3.025108	1.411687	0.158042	0.239678	0	0	0	0	4.278221	2.009959
9137	KRT71	6.610639	4.270094	1.391125	3.069527	0.002144	0.006238	0	0	2.087194	11.16063	21.39111	5.024897
10736	LOC10323	4.303042	4.269109	1.590964	2.683348	0.007289	0.018047	0	0	1.391463	6.696381	10.69555	7.034856
10737	OLIG3	4.303042	4.269109	1.590964	2.683348	0.007289	0.018047	0	0	1.391463	6.696381	10.69555	7.034856
5	SOD2	65902.44	4.268737	0.080038	53.33394	0	0	6571.713	6666.928	6262.278	124550.5	121323.9	130039.3
6535	CHP2	10.70596	4.268182	1.087388	3.925169	8.67E-05	0.000353	0	0.547412	2.782925	15.62489	34.22577	11.05477
6884	CCNP	8.279317	4.268045	1.128206	3.783035	0.000155	0.000598	0.542086	0.547412	1.391463	15.62489	23.53022	8.039836
4293	LOC11962	15.84583	4.267913	0.827145	5.159813	2.47E-07	1.53E-06	2.168345	0.547412	2.087194	17.85702	34.22577	38.18922
18605	CUNH1orf	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18606	ANXA10	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18608	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18609	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18612	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18613	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18614	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18616	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18617	LOC10324	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18618	LOC10324	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18619	LOC10324	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18620	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18623	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18626	LOC10324	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18628	ACTBL2	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18630	LOC11961	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18632	LOC11961	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18633	DEFA1	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18635	LOC10323	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18637	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18638	CCL26	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18639	LOC10322	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18640	CNFN	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18641	LOC10323	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18642	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18644	LOC10322	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
18645	LOC11962	1.069555	4.26734	3.459098	1.233657	0.217331	0.309867	0	0	0	0	6.417332	0
6707	ABHD12B	10.86461	4.265395	1.107226	3.852325	0.000117	0.000464	0	0	3.478657	20.08914	23.53022	18.08963
4240	LOC10324	15.85362	4.264083	0.821123	5.192987	2.07E-07	1.30E-06	1.084173	1.642235	2.087194	15.62489	38.50399	36.17926
5721	C1QB	12.82197	4.263626	0.988539	4.313058	1.61E-05	7.48E-05	0	0.547412	3.478657	29.01765	27.80844	16.07967



5903	LOC103231	12.69433	4.263499	1.012748	4.209831	2.56E-05	0.000115	0	1.094824	2.782925	29.01765	34.22577	9.044815
5680	CD28	12.76944	4.262754	0.983045	4.336273	1.45E-05	6.78E-05	0	0.547412	3.478657	24.5534	29.94755	18.08963
6456	CUNH1orf	10.24705	4.26241	1.076972	3.957771	7.57E-05	0.000312	0	1.642235	1.391463	29.01765	21.39111	8.039836
8311	PLIN5	6.180327	4.260589	1.286966	3.31057	0.000931	0.002978	0	0.547412	1.391463	13.39276	10.69555	11.05477
6151	CHRNA2	10.15749	4.260478	1.040067	4.096349	4.20E-05	0.000181	0	1.642235	1.391463	22.32127	23.53022	12.05975
1775	ADAM28	42.83312	4.258421	0.49974	8.521278	1.58E-17	2.36E-16	4.336691	5.474118	2.782925	64.73168	96.25998	83.4133
11045	LOC103231	4.153876	4.25733	1.626513	2.617458	0.008859	0.021323	0	0.547412	0.695731	6.696381	14.97377	2.009959
9563	LIM2	5.712358	4.257315	1.434083	2.968668	0.002991	0.008314	0	1.642235	0	4.464254	17.11289	11.05477
8423	CUNH1orf	5.972608	4.25624	1.299382	3.275589	0.001054	0.003328	0	1.094824	0.695731	11.16063	12.83466	10.04979
4454	DNAH9	25.9716	4.255381	0.844609	5.038287	4.70E-07	2.80E-06	0	1.094824	6.957314	62.49956	64.17332	21.10457
5328	CRHR2	14.20018	4.2551	0.944472	4.50527	6.63E-06	3.31E-05	1.626259	0.547412	2.087194	13.39276	53.47777	14.06971
53	CRYAB	1028.178	4.254996	0.146126	29.11875	2.08E-186	1.04E-183	81.31296	113.8617	112.7085	1908.469	1982.956	1969.76
8638	LOC119621	5.763114	4.254807	1.322249	3.217855	0.001292	0.003975	1.084173	0.547412	0	8.928508	14.97377	9.044815
12365	PON1	4.159899	4.254463	1.826855	2.328846	0.019867	0.042711	0	0.547412	0.695731	4.464254	19.252	0
12350	LOC119621	4.106481	4.251121	1.821294	2.334121	0.019589	0.042169	0.542086	0	0.695731	0	21.39111	2.009959
8778	LOC103221	5.784639	4.250214	1.336633	3.179791	0.001474	0.004464	1.084173	0.547412	0	8.928508	17.11289	7.034856
8696	LOC119621	6.275909	4.248961	1.325915	3.204551	0.001353	0.004136	0	0.547412	1.391463	17.85702	12.83466	5.024897
7866	ANKRD34C	8.649135	4.247865	1.230999	3.450747	0.000559	0.001889	0	0	2.782925	13.39276	25.66933	10.04979
9147	HSD17B13	5.754521	4.247312	1.384764	3.067175	0.002161	0.00628	0.542086	1.094824	0	4.464254	21.39111	7.034856
11673	MS4A2	4.383121	4.24693	1.71465	2.476849	0.013255	0.030187	0	0	1.391463	8.928508	14.97377	1.004979
301	LOC103211	234.6052	4.246165	0.243174	17.46144	2.82E-68	2.49E-66	20.59928	18.612	32.00364	435.2648	494.1346	407.0167
9572	LOC119611	6.041431	4.24449	1.430427	2.967289	0.003004	0.008344	1.084173	0	0.695731	8.928508	23.53022	2.009959
8626	KRT75	5.983766	4.240753	1.31674	3.220645	0.001279	0.003942	0.542086	0.547412	0.695731	6.696381	21.39111	6.029877
3467	CKNK10	33.68207	4.236841	0.719165	5.891335	3.83E-09	2.94E-08	1.626259	0.547412	8.348776	78.12444	81.28621	32.15934
4830	HHLA1	21.2285	4.236174	0.883545	4.794518	1.63E-06	8.97E-06	0	1.094824	5.565851	46.87467	57.75599	16.07967
6607	TRPV6	12.9737	4.235886	1.086231	3.899618	9.63E-05	0.000388	0	0	4.174388	20.08914	38.50399	15.07469
8347	LOC103241	8.639655	4.235521	1.284539	3.297307	0.000976	0.003109	0	0	2.782925	8.928508	32.08666	8.039836
2867	LOC103221	32.2868	4.234388	0.642677	6.588669	4.44E-11	4.12E-10	0.542086	3.831883	5.565851	84.82083	57.75599	41.20416
9314	EPHA5	6.182005	4.23152	1.396572	3.029933	0.002446	0.006982	0.542086	0	1.391463	4.464254	25.66933	5.024897
11749	LOC119621	3.702039	4.231455	1.720871	2.458904	0.013936	0.031534	0	1.094824	0	8.928508	2.139111	10.04979
6528	LOC119621	10.44246	4.228862	1.076823	3.927167	8.60E-05	0.00035	0	0.547412	2.782925	29.01765	19.252	11.05477
7911	TPP2	8.543649	4.224792	1.230013	3.434754	0.000593	0.001993	0	0	2.782925	22.32127	17.11289	9.044815
7817	TESPA1	8.475616	4.221188	1.219498	3.461416	0.000537	0.001827	0	0	2.782925	15.62489	21.39111	11.05477
5925	KCNAB1	11.82156	4.219872	1.005075	4.198563	2.69E-05	0.000121	1.084173	1.094824	1.391463	13.39276	44.92132	9.044815
4027	SCN2B	24.88723	4.219847	0.788378	5.35257	8.67E-08	5.72E-07	0	1.642235	6.261582	49.10679	64.17332	28.13943
8106	HPR	8.332473	4.219272	1.249049	3.377988	0.00073	0.002395	0	0.547412	2.087194	13.39276	29.94755	4.019918
5594	CMTM5	16.93725	4.218812	0.964066	4.37606	1.21E-05	5.74E-05	0.542086	0	4.87012	44.64254	38.50399	13.06473
6424	LOC103211	14.87465	4.218565	1.062465	3.970546	7.17E-05	0.000297	0	0.547412	4.174388	35.71403	42.78221	6.029877
15070	LOC103221	2.143558	4.217842	2.315374	1.821668	0.068505	0.12085	0	0	0.695731	11.16063	0	1.004979
5855	LOC119621	12.12167	4.217578	0.994061	4.242777	2.21E-05	0.0001	0	1.094824	2.782925	13.39276	36.36488	19.09461
14767	FGF17	2.10653	4.215827	2.244229	1.878519	0.06031	0.108576	0	0	0.695731	8.928508	0	3.014938
15035	FAM166C	1.995446	4.215703	2.30744	1.827005	0.067699	0.11971	0	0	0.695731	2.232127	0	9.044815
11134	CCL11	4.145026	4.214446	1.623663	2.595641	0.009441	0.022544	0	0	1.391463	11.16063	4.278221	8.039836
5957	LOC119621	12.40344	4.212768	1.007087	4.183124	2.88E-05	0.000128	0	0.547412	3.478657	20.08914	34.22577	16.07967
13891	PLA2G3	2.029279	4.211962	2.072615	2.032198	0.042134	0.080639	0	0.547412	0	4.464254	2.139111	5.024897
13892	LOC103241	2.028391	4.211957	2.072844	2.03197	0.042157	0.080675	0.542086	0	0	4.464254	2.139111	5.024897
4765	LOC103231	23.11369	4.211939	0.871272	4.834243	1.34E-06	7.46E-06	0.542086	0.547412	6.261582	69.19594	47.06043	15.07469
4265	OVCH1	20.20295	4.211889	0.813108	5.179988	2.22E-07	1.38E-06	0	2.189647	4.174388	42.41041	51.33866	21.10457
6156	LOC103221	12.462	4.209607	1.028217	4.094083	4.24E-05	0.000183	0	0.547412	3.478657	22.32127	36.36488	12.05975
7112	SEC14L3	7.880636	4.208828	1.139755	3.692748	0.000222	0.000829	0	1.094824	1.391463	15.62489	17.11289	12.05975
11183	OPALIN	4.076992	4.20732	1.627546	2.585071	0.009736	0.023145	0	0	1.391463	4.464254	8.556443	10.04979
6283	LOC119621	9.748441	4.206163	1.042112	4.036192	5.43E-05	0.00023	0	1.642235	1.391463	17.85702	23.53022	14.06971
8369	LOC119621	8.450633	4.205306	1.276985	3.293151	0.000991	0.003147	0	0	2.782925	8.928508	29.94755	9.044815
4314	LOC103231	19.88974	4.204678	0.81708	5.145983	2.66E-07	1.64E-06	0	2.737059	3.478657	49.10679	44.92132	19.09461
11823	LOC103241	3.788141	4.203645	1.720428	2.443371	0.014551	0.032719	0	1.094824	0	8.928508	10.69555	2.009959
13941	KRTAP4-3	2.012889	4.203573	2.075784	2.025054	0.042862	0.081736	0.542086	0	0	2.232127	4.278221	5.024897
13918	CUNH22orf	2.066307	4.203336	2.073504	2.027166	0.042645	0.081434	0	0.547412	0	6.696381	2.139111	3.014938
13919	LIPN	2.066307	4.203336	2.073504	2.027166	0.042645	0.081434	0	0.547412	0	6.696381	2.139111	3.014938
13920	TLR8	2.066307	4.203336	2.073504	2.027166	0.042645	0.081434	0	0.547412	0	6.696381	2.139111	3.014938
13921	IGSF6	2.066307	4.203336	2.073504	2.027166	0.042645	0.081434	0	0.547412	0	6.696381	2.139111	3.014938
13922	LOC119621	2.066307	4.203336	2.073504	2.027166	0.042645	0.081434	0	0.547412	0	6.696381	2.139111	3.014938
10828	LOC103241	3.943329	4.202352	1.576739	2.665218	0.007694	0.01889	0	0.547412	0.695731	6.696381	10.69555	5.024897
11337	TRNAC-GC	3.802756	4.201928	1.648453	2.549013	0.010803	0.025332	0.542086	0.547412	0	11.16063	8.556443	2.009959
6008	ADAMTS2C	12.1798	4.201513	1.009836	4.160589	3.17E-05	0.00014	0	1.094824	2.782925	33.4819	25.66933	10.04979
7530	LOC119621	9.558789	4.201327	1.183824	3.548946	0.000387	0.001366	0	2.189647	0.695731	8.928508	38.50399	7.034856
11189	SLC39A12	4.098518	4.201118	1.625442	2.584601	0.009749	0.023164	0	0	1.391463	4.464254	10.69555	8.039836
8952	LOC119621	5.863665	4.200902	1.341904	3.130553	0.001745	0.005182	0	1.094824	0.695731	13.39276	14.97377	5.024897
3622	CXCR4	32.925	4.200761	0.73474	5.717343	1.08E-08	7.94E-08	0	1.642235	9.044508	69.19594	51.33866	66.32864
14874	CRYBB2	2.001468	4.200727	2.259962	1.85876	0.063061	0.112712	0	0	0.695731	0	4.278221	7.034856
8876	LOC103221	5.811134	4.199974	1.333679	3.149164	0.001637	0.004904	0	1.094824	0.695731	8.928508	17.11289	7.034856
11554	FGF16	4.039964	4.199869	1.677446	2.503729	0.012289	0.028277	0	0	1.391463	2.232127	8.556443	12.05975
14242	CCLA2B	2.128055	4.198431	2.132566	1.968723	0.048985	0.091426	0	0.695731	8.928508	2.139111	1.004979	
14244	RLN3	2.128055	4.198431	2.132566	1.968723	0.048985	0.091426	0	0	0.695731	8.928508	2.139111	1.004979
8158	LOC												



5995	CR1	12.14879	4.198375	1.0077	4.166295	3.10E-05	0.000137	0	1.094824	2.782925	29.01765	29.94755	10.04979
5069	CACNB2	18.04	4.198181	0.903035	4.648971	3.34E-06	1.75E-05	0	2.189647	3.478657	40.17829	51.33866	11.05477
5882	TTL10	12.09626	4.197403	0.993504	4.22485	2.39E-05	0.000108	0	1.094824	2.782925	24.5534	32.08666	12.05975
11531	FAM71C	4.225104	4.196087	1.673574	2.507261	0.012167	0.028051	0	0	1.391463	13.39276	8.556443	2.009959
5484	LOC10323	14.20881	4.195144	0.949916	4.416332	1.00E-05	4.87E-05	0	1.094824	3.478657	31.24978	36.36488	13.06473
13808	LOC11962	2.050804	4.194299	2.050115	2.045885	0.040768	0.07848	0	0.547412	0	4.464254	4.278221	3.014938
13809	LOC10324	2.050804	4.194299	2.050115	2.045885	0.040768	0.07848	0	0.547412	0	4.464254	4.278221	3.014938
13810	NPPA	2.050804	4.194299	2.050115	2.045885	0.040768	0.07848	0	0.547412	0	4.464254	4.278221	3.014938
12894	LOC10321	4.277635	4.1923	1.888456	2.219961	0.026421	0.054472	0	0	1.391463	17.85702	6.417332	0
5576	LOC10323	14.17781	4.191969	0.956446	4.382862	1.17E-05	5.58E-05	0	1.094824	3.478657	26.78552	40.6431	13.06473
14859	LOC10322	1.998274	4.190613	2.252259	1.860627	0.062797	0.112353	0	0.547412	0	0	6.417332	5.024897
49	LOC10323	989.772	4.190044	0.139242	30.09178	6.21E-199	3.37E-196	95.4072	119.3358	93.228	1866.058	1796.853	1967.75
14125	GALNTL5	2.087832	4.187719	2.105526	1.988919	0.04671	0.087914	0	0.547412	0	6.696381	4.278221	1.004979
14100	CNR2	2.112552	4.18731	2.099494	1.994438	0.046104	0.086928	0	0	0.695731	6.696381	4.278221	1.004979
13983	LOC10324	2.035302	4.186335	2.079185	2.01345	0.044067	0.083782	0	0.547412	0	2.232127	6.417332	3.014938
13958	LOC11962	2.060021	4.186228	2.072889	2.019513	0.043434	0.082714	0	0	0.695731	2.232127	6.417332	3.014938
13959	LOC10323	2.060021	4.186228	2.072889	2.019513	0.043434	0.082714	0	0	0.695731	2.232127	6.417332	3.014938
13960	LOC11962	2.060021	4.186228	2.072889	2.019513	0.043434	0.082714	0	0	0.695731	2.232127	6.417332	3.014938
4950	GTSF1	13.62845	4.186089	0.888051	4.713793	2.43E-06	1.31E-05	0.542086	1.642235	2.087194	33.4819	29.94755	14.06971
12136	LOC11962	628.3651	4.185661	1.75956	2.378811	0.017369	0.03805	0.542086	6.02153	189.9347	1354.901	1627.863	590.9279
8160	LOC10324	8.345147	4.185356	1.245177	3.361253	0.000776	0.002528	0	0	2.782925	17.85702	21.39111	8.039836
7035	LOC10324	10.20347	4.185076	1.12469	3.721091	0.000198	0.00075	0	0.547412	2.782925	15.62489	34.22577	8.039836
7202	LOC10324	9.775564	4.184585	1.14141	3.666152	0.000246	0.000909	0	1.642235	1.391463	33.4819	17.11289	5.024897
11677	CCL20	4.178596	4.181314	1.688776	2.475943	0.013288	0.030253	0	0	1.391463	6.696381	14.97377	2.009959
14955	C1QTNF7	2.019799	4.17979	2.266172	1.844428	0.065121	0.115763	0	0.547412	0	0	8.556443	3.014938
14917	LOC10321	2.044519	4.17972	2.258367	1.850771	0.064203	0.114406	0	0	0.695731	0	8.556443	3.014938
14918	LOC11962	2.044519	4.17972	2.258367	1.850771	0.064203	0.114406	0	0	0.695731	0	8.556443	3.014938
14919	LOC10322	2.044519	4.17972	2.258367	1.850771	0.064203	0.114406	0	0	0.695731	0	8.556443	3.014938
14170	LOC11961	2.071442	4.178996	2.10848	1.981995	0.04748	0.089068	0.542086	0	0	4.464254	6.417332	1.004979
14164	LOC11962	2.07233	4.178982	2.108259	1.982196	0.047457	0.089062	0	0.547412	0	4.464254	6.417332	1.004979
14166	SECTM1	2.07233	4.178982	2.108259	1.982196	0.047457	0.089062	0	0.547412	0	4.464254	6.417332	1.004979
532	CERS4	119.8754	4.178622	0.293191	14.25222	4.34E-46	2.17E-44	11.38381	13.13788	13.2189	229.9091	222.4675	229.1353
14132	LOC11962	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14133	USP29	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14134	LOC10321	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14135	LOC10321	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14136	LOC10323	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14137	TAS2R8	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
14138	LOC11962	2.097049	4.178589	2.102159	1.987761	0.046838	0.088074	0	0	0.695731	4.464254	6.417332	1.004979
9915	LOC11962	6.273646	4.177607	1.450124	2.880862	0.003966	0.010633	0	0	2.087194	11.16063	21.39111	3.014938
9916	ERICH6B	6.275646	4.177607	1.450124	2.880862	0.003966	0.010633	0	0	2.087194	11.16063	21.39111	3.014938
4629	COL6A5	19.59178	4.176966	0.847328	4.929572	8.24E-07	4.73E-06	0	2.737059	3.478657	51.33892	44.92132	15.07469
5892	HIF3A	11.69952	4.17694	0.989894	4.219585	2.45E-05	0.00011	0	1.642235	2.087194	22.32127	32.08666	12.05975
6158	LOC10324	11.97952	4.17685	1.020334	4.093609	4.25E-05	0.000183	1.084173	0	2.782925	29.01765	29.94755	9.044815
10831	ZIC4	32.29737	4.175618	1.567211	2.664363	0.007713	0.018933	0	0.547412	9.740239	62.49956	89.84265	31.15436
6510	UBXN10	9.98088	4.17487	1.06099	3.934882	8.32E-05	0.00034	0	0.547412	2.782925	20.08914	21.39111	15.07469
7509	TLX2	7.973389	4.173504	1.173878	3.555313	0.000378	0.001337	0	0.547412	2.087194	22.32127	12.83466	10.04979
7062	UPB1	10.14361	4.172349	1.125673	3.706538	0.00021	0.000791	0.542086	0	2.782925	31.24978	19.252	7.034856
14400	CD5	2.055939	4.172299	2.1472	1.943135	0.052	0.096001	0.542086	0	0	2.232127	8.556443	1.004979
14397	LOC10321	2.056827	4.172287	2.146975	1.943333	0.051976	0.09597	0	0.547412	0	2.232127	8.556443	1.004979
14398	LOC11961	2.056827	4.172287	2.146975	1.943333	0.051976	0.09597	0	0.547412	0	2.232127	8.556443	1.004979
14369	LOC11962	2.081547	4.171936	2.140755	1.948815	0.051318	0.09493	0	0	0.695731	2.232127	8.556443	1.004979
14372	PAGE1	2.081547	4.171936	2.140755	1.948815	0.051318	0.09493	0	0	0.695731	2.232127	8.556443	1.004979
5617	LOC10322	13.92075	4.170208	0.955511	4.364375	1.27E-05	6.03E-05	0	1.094824	3.478657	20.08914	42.78221	16.07967
7714	KPNA7	7.452889	4.16901	1.195024	3.488641	0.000485	0.001673	0	1.642235	0.695731	8.928508	21.39111	12.05975
5471	LOC10322	16.09186	4.168706	0.941494	4.427754	9.52E-06	4.63E-05	0	1.094824	4.174388	29.01765	49.19955	13.06473
8173	BTBD18	8.053468	4.164196	1.241232	3.354888	0.000794	0.002583	0	0.547412	2.087194	24.5534	17.11289	4.019918
12654	LOC11962	4.089037	4.162833	1.834045	2.269756	0.023222	0.048788	0	0	1.391463	0	17.11289	6.029877
6085	KCNA3	14.23955	4.162775	1.008326	4.128401	3.65E-05	0.00016	0	0.547412	4.174388	29.01765	40.6431	11.05477
4961	SORCS1	15.72523	4.161631	0.883802	4.708784	2.49E-06	1.34E-05	0.542086	1.094824	3.478657	31.24978	44.92132	13.06473
8683	TMIGD2	8.058603	4.160452	1.296938	3.207903	0.001337	0.004094	0.542086	0	2.087194	22.32127	21.39111	2.009959
5829	LOC10324	11.27523	4.160365	0.977001	4.258301	2.06E-05	9.39E-05	0	2.189647	1.391463	22.32127	25.66933	16.07967
6142	OLFML1	11.806	4.156459	1.013556	4.10087	4.12E-05	0.000178	1.084173	0	2.782925	31.24978	25.66933	10.04979
5342	MAPK15	13.78337	4.15619	0.924796	4.49417	6.98E-06	3.48E-05	0.542086	0.547412	3.478657	24.5534	38.50399	15.07469
8699	EMCN	5.673755	4.156031	1.29734	3.203501	0.001358	0.004149	0.542086	0.547412	0.695731	13.39276	12.83466	6.029877
9712	LOC10322	5.733196	4.154941	1.420067	2.925877	0.003435	0.0094	0	1.094824	0.695731	15.62489	14.97377	2.009959
9713	P2RY12	5.733196	4.154941	1.420067	2.925877	0.003435	0.0094	0	1.094824	0.695731	15.62489	14.97377	2.009959
9285	SOX1	6.022048	4.153132	1.368238	3.035386	0.002402	0.006878	0	0	2.087194	11.16063	12.83466	10.04979
9276	LOC10324	5.696168	4.152404	1.366695	3.038281	0.002379	0.006819	0	1.094824	0.695731	13.39276	14.97377	4.019918
5830	LOC11961	11.67082	4.15123	0.974948	4.257899	2.06E-05	9.41E-05	0.542086	0.547412	2.782925	17.85702	34.22577	14.06971
8243	LOC11962	8.140623	4.150972	1.245546	3.332653	0.00086	0.002774	0	0	2.782925	15.62489	21.39111	9.044815
9502	EPB42	6.096104	4.14911	1.39061	2.983663	0.002848	0.007968	0	0	2.087194	15.62489	12.83466	6.029877
9503	LOC10324	6.096104	4.14911	1.39061	2.983663	0.002848	0.007968	0	0	2.087194	15.62489	12.83466	6.029877
5145	HTR1B	13.33242	4.14895	0.900751	4.606101	4.10E-06	2.12E-05	0	1.642235	2.782925	26.78552</		



7937	LOC103221	10.311173	4.148485	1.210325	3.42758	0.000609	0.00204	0	0	3.478657	24.5534	27.80844	6.029877
11614	CLEC1A	3.837843	4.147549	1.664946	2.491101	0.012735	0.029151	0	0.547412	0.695731	15.62489	2.139111	4.019918
9762	CDX2	6.133132	4.146149	1.423212	2.913234	0.003577	0.009741	0	0	2.087194	17.85702	12.83466	4.019918
5544	LOC103241	12.84895	4.145474	0.943583	4.393333	1.12E-05	5.35E-05	0	2.737059	1.391463	15.62489	34.22577	23.11453
9080	LOC103221	7.20426	4.144434	1.341522	3.089351	0.002006	0.005873	0	2.189647	0	15.62489	21.39111	4.019918
9834	CCN6	8.288735	4.141243	1.428879	2.898245	0.003753	0.010145	0	0	2.782925	24.5534	21.39111	1.004979
6957	LOC103218	9.440995	4.140962	1.103308	3.753225	0.000175	0.000667	0	1.642235	1.391463	15.62489	29.94755	8.039836
4537	WDFY4	18.97863	4.139989	0.829457	4.991201	6.00E-07	3.52E-06	0	2.737059	3.478657	26.78552	57.75599	23.11453
10880	LOC119621	89.2995	4.138923	1.559683	2.653695	0.007962	0.019454	0.542086	0.547412	27.82925	165.1774	233.1631	108.5378
2417	XKR7	41.45257	4.138645	0.570963	7.248539	4.21E-13	4.63E-12	1.084173	5.474118	6.957314	78.12444	104.8164	52.25893
5997	MROH9	11.03944	4.138239	0.993493	4.165344	3.11E-05	0.000138	1.626259	1.094824	0.695731	31.24978	23.53022	8.039836
9676	NLRP5	6.012568	4.137863	1.408787	2.937181	0.003312	0.009099	0	0	2.087194	6.696381	19.252	8.039836
253	STR3	432.723	4.136307	0.225937	10.30733	7.23E-75	7.60E-73	38.48813	33.93953	68.87741	857.1368	748.6887	849.2077
5234	LOC119621	24.44925	4.13623	0.906632	4.562192	5.06E-06	2.57E-05	0	0.547412	7.653045	69.19594	49.19955	20.09959
11825	LOC103221	4.051585	4.135656	1.692867	2.442989	0.014566	0.032748	0	0	1.391463	15.62489	4.278221	3.014938
12662	LOC103241	4.104116	4.134256	1.822945	2.2679	0.023335	0.048995	0	0	1.391463	20.08914	2.139111	1.004979
4796	OTOL1	28.22808	4.133707	0.858239	4.816497	1.46E-06	8.10E-06	0	1.094824	8.348776	49.10679	87.70354	23.11453
7632	LOC103231	9.952015	4.133075	1.175955	3.514653	0.00044	0.001534	0	0.547412	2.782925	24.5534	27.80844	4.019918
10318	SAMD3	6.123652	4.132777	1.484206	2.784504	0.005361	0.013813	0	0	2.087194	13.39276	19.252	2.009959
11676	LOC103221	4.036083	4.132461	1.668826	2.476268	0.013276	0.030229	0	0	1.391463	13.39276	6.417332	3.014938
7935	FMO1	7.285393	4.131392	1.204869	3.428914	0.000606	0.00203	0	1.642235	0.695731	8.928508	21.39111	11.05477
5167	ABCB11	15.39459	4.130145	0.898834	4.595003	4.33E-06	2.23E-05	0	1.642235	3.478657	37.94616	34.22577	15.07469
12285	LOC119621	3.664749	4.130052	1.759224	2.347655	0.018892	0.040883	0	0.547412	0.695731	0	10.69555	10.04979
2111	ADH7	36.62113	4.129945	0.530717	7.781823	7.15E-15	9.00E-14	4.336691	3.284471	4.174388	66.96381	87.70354	53.26391
5381	EIF4E1B	17.77341	4.128875	0.92277	4.474435	7.66E-06	3.79E-05	0	1.094824	4.87012	49.10679	38.50399	13.06473
7484	FOLH1B	7.374064	4.128284	1.157059	3.567912	0.00036	0.001278	0.542086	1.094824	0.695731	15.62489	19.252	7.034856
4547	FOXL2NB	19.15492	4.12777	0.829148	4.978329	6.41E-07	3.75E-06	0	2.189647	4.174388	42.41041	47.06043	19.09461
12022	LOC103221	3.583616	4.127676	1.717999	2.402607	0.016279	0.035998	0	1.094824	0	6.696381	10.69555	3.014938
8055	LOC119621	12.30931	4.125374	1.214246	3.397478	0.00068	0.002245	0	0	4.174388	35.71403	29.94755	4.019918
6171	DCC	13.89854	4.125289	1.008801	4.0893	4.33E-05	0.000186	0	0.547412	4.174388	31.24978	36.36488	11.05477
1587	CASP1	50.84169	4.123956	0.457928	9.005694	2.14E-19	3.59E-18	3.252518	7.116354	6.261582	82.5887	113.3729	92.45811
5539	CCBE1	15.66599	4.123556	0.937929	4.396448	1.10E-05	5.28E-05	0.542086	0.547412	4.174388	40.17829	38.50399	10.04979
6676	SMIM28	9.258791	4.122808	1.066262	3.866601	0.00011	0.000439	1.626259	0	1.391463	20.08914	21.39111	11.05477
7581	LOC103241	10.03315	4.122346	1.166934	3.53263	0.000411	0.001443	0	0	3.478657	17.85702	27.80844	11.05477
7525	LOC103221	9.99612	4.122231	1.161032	3.550489	0.000385	0.001358	0	0	3.478657	15.62489	27.80844	13.06473
5423	LOC103231	12.98476	4.121215	0.926274	4.449238	8.62E-06	4.22E-05	0	2.189647	2.087194	22.32127	34.22577	17.08465
11591	LOC119618	3.797358	4.119047	1.650091	2.496255	0.012551	0.028783	0	0.547412	0.695731	6.696381	12.83466	2.009959
11592	LOC103218	3.797358	4.119047	1.650091	2.496255	0.012551	0.028783	0	0.547412	0.695731	6.696381	12.83466	2.009959
9066	LOC103241	5.446818	4.118857	1.332508	3.091055	0.001994	0.005848	1.084173	0	0.695731	11.16063	10.69555	9.044815
11722	IL27	3.989574	4.118074	1.670736	2.464827	0.013708	0.031089	0	0	1.391463	6.696381	12.83466	3.014938
12195	LOC119621	4.042105	4.118068	1.739324	2.367626	0.017903	0.039028	0	0	1.391463	11.16063	10.69555	1.004979
6306	FNDC1	13.09238	4.116472	1.023138	4.023381	5.74E-05	0.000242	0	2.189647	2.087194	22.32127	44.92132	7.034856
11904	LOC103231	3.974072	4.111429	1.696216	2.423882	0.015356	0.034296	0	0	1.391463	4.464254	14.97377	3.014938
12014	LOC103221	3.937044	4.111235	1.710132	2.404046	0.016215	0.035881	0	0	1.391463	2.232127	14.97377	5.024897
13187	NEUROD1	20.89131	4.11042	1.892662	2.171766	0.029873	0.060225	0	0	6.957314	58.0353	34.22577	26.12947
3900	GRIA1	32.87046	4.108667	0.754779	5.443536	5.22E-08	3.56E-07	0	2.737059	8.348776	71.42806	85.56443	29.1444
7268	CLDN18	9.725965	4.107583	1.126889	3.645065	0.000267	0.000978	0	0.547412	2.782925	22.32127	25.66933	7.034856
3401	LOC103231	40.24405	4.106717	0.690859	5.944362	2.78E-09	2.17E-08	0	7.663765	5.565851	91.51721	100.5382	36.17926
4145	LOC103221	27.00574	4.104512	0.780214	5.260754	1.43E-07	9.20E-07	0.542086	1.642235	6.957314	82.5887	49.19955	21.10457
9263	DRD2	5.66747	4.1039	1.349623	3.040775	0.00236	0.006772	0.542086	0	1.391463	8.928508	17.11289	6.029877
9405	LOC119621	5.720888	4.102534	1.364755	3.00606	0.002647	0.007481	0	0.547412	1.391463	13.39276	14.97377	4.019918
9827	LOC103218	5.495891	4.101396	1.414546	2.899444	0.003738	0.010113	1.084173	0	0.695731	8.928508	19.252	3.014938
12493	SPRR1A	3.995597	4.101142	1.7811	2.302589	0.021302	0.045327	0	0	1.391463	4.464254	17.11289	1.004979
12494	LOC119621	3.995597	4.101142	1.7811	2.302589	0.021302	0.045327	0	0	1.391463	4.464254	17.11289	1.004979
8940	SOWAHB	6.92568	4.100029	1.308072	3.134405	0.001722	0.005121	0	2.189647	0	8.928508	21.39111	9.044815
9825	LOC119621	5.928607	4.099741	1.413729	2.899949	0.003732	0.010099	0	0	2.087194	15.62489	12.83466	5.024897
8199	TTC24	7.674536	4.098809	1.224884	3.346284	0.000819	0.002656	0.542086	0	2.087194	24.5534	12.83466	6.029877
4271	RHAG	18.78908	4.098387	0.791702	5.176682	2.26E-07	1.41E-06	0.542086	1.094824	4.87012	29.01765	47.06043	30.14938
8570	SALL3	7.504733	4.098073	1.266011	3.236997	0.001208	0.003747	0	1.094824	1.391463	24.5534	14.97377	3.014938
7678	GML	9.896656	4.098012	1.171301	3.498684	0.000468	0.001619	0	0	3.478657	22.32127	23.53022	10.04979
1561	LOC103231	67.31045	4.095727	0.452019	9.060958	1.29E-19	2.20E-18	10.84173	2.737059	9.044508	111.6063	104.8164	164.8166
7710	BIN2	9.881154	4.095676	1.17393	3.488858	0.000485	0.001673	0	0	3.478657	20.08914	25.66933	10.04979
5498	CSF2RB	13.03614	4.093867	0.928129	4.410883	1.03E-05	4.98E-05	0.542086	1.094824	2.782925	20.08914	40.6431	13.06473
8871	LOC119618	7.494365	4.093534	1.299223	3.150754	0.001628	0.004488	0.542086	0.547412	1.391463	20.08914	21.39111	1.004979
6031	LOC119618	10.98046	4.085645	0.984336	4.150662	3.32E-05	0.000146	0	1.642235	2.087194	24.5534	23.53022	14.06971
4143	SCML4	20.2296	4.084844	0.776326	5.261764	1.43E-07	9.16E-07	0	2.737059	4.174388	42.41041	44.92132	27.13445
7272	SMTNL1	9.567949	4.084507	1.120917	3.643898	0.000269	0.000982	0	0.547412	2.782925	26.78552	19.252	8.039836
12342	KLF1	3.31274	4.084036	1.748278	2.336033	0.01949	0.041981	1.084173	0	0	4.464254	4.278221	10.04979
6047	MYBPC1	11.12015	4.083966	0.985172	4.145434	3.39E-05	0.000149	0	1.094824	2.782925	20.08914	25.66933	17.08465
5769	SLC7A3	10.94857	4.083755	0.9523	4.288307	1.80E-05	8.30E-05	0.542086	1.094824	2.087194	20.08914	27.80844	14.06971
5070	MYPN	21.17136	4.083424	0.878572	4.647795	3.36E-06	1.76E-05	0	1.094824	6.261582	31.24978	66.31243	22.10955
8506	WNT8B	7.374688	4.082139	1.254049	3.255166	0.001133	0.003542	0	1.094824	1.391463	8.928508	27.80844	5.024897
7104	PRAMEF10	9.483525	4.081071	1.104551	3.694777	0.00022	0.000824	0.542086	0				



15297	LOC119621	1.902005	4.079544	2.292374	1.779615	0.075139	0.130586	0	0	0.695731	6.696381	0	4.019918
4776	CUNH14or	16.31409	4.078908	0.844983	4.827209	1.38E-06	7.71E-06	0	2.737059	2.782925	40.17829	32.08666	20.09959
6030	LOC119621	10.99162	4.07801	0.982132	4.152201	3.29E-05	0.000145	0.542086	1.094824	2.087194	20.08914	32.08666	10.04979
15410	LOC103231	1.939033	4.07752	2.318982	1.758323	0.078693	0.135732	0	0	0.695731	8.928508	0	2.009959
15411	SLC26A3	1.939033	4.07752	2.318982	1.758323	0.078693	0.135732	0	0	0.695731	8.928508	0	2.009959
15412	LOC119611	1.939033	4.07752	2.318982	1.758323	0.078693	0.135732	0	0	0.695731	8.928508	0	2.009959
8747	LOC103231	7.80563	4.077112	1.278275	3.189541	0.001425	0.004331	0	0	2.782925	15.62489	21.39111	7.034856
10502	ABHD16B	5.851094	4.07658	1.485719	2.743843	0.006072	0.015372	0	0	2.087194	4.464254	23.53022	5.024897
9706	LOC103241	5.555962	4.073412	1.391543	2.927263	0.00342	0.009366	0.542086	0	1.391463	20.08914	4.278221	7.034856
5223	SLC2A5	14.99387	4.071546	0.891121	4.569016	4.90E-06	2.49E-05	0.542086	0.547412	4.174388	31.24978	36.36488	17.08465
14544	LOC119621	1.861782	4.071244	2.123594	1.917148	0.055219	0.100935	0	0.547412	0	4.464254	2.139111	4.019918
5821	LOC103231	19.44564	4.071226	0.955085	4.262685	2.02E-05	9.22E-05	0	0.547412	6.261582	40.17829	55.61688	14.06971
13229	HMGGB4	18.30984	4.071135	1.88174	2.163494	0.030503	0.061299	0	0	6.261582	46.87467	40.6431	16.07967
11537	LOC103221	3.617816	4.06981	1.624094	2.505896	0.012214	0.028145	0	0.547412	0.695731	11.16063	4.278221	5.024897
11822	KIAA1210	3.810033	4.069368	1.665434	2.443429	0.014548	0.032717	0	0	1.391463	11.16063	4.278221	6.029877
15766	LOC103221	1.934951	4.069358	2.38324	1.70749	0.087731	0.147932	0.542086	0	0	8.928508	2.139111	0
15767	LOC103221	1.934951	4.069358	2.38324	1.70749	0.087731	0.147932	0.542086	0	0	8.928508	2.139111	0
15761	LOC103241	1.935838	4.06934	2.382943	1.707695	0.087693	0.147908	0	0.547412	0	8.928508	2.139111	0
15762	LOC103231	1.935838	4.06934	2.382943	1.707695	0.087693	0.147908	0	0.547412	0	8.928508	2.139111	0
6059	CHRM1	15.17387	4.069049	0.982571	4.141226	3.45E-05	0.000152	0	1.094824	4.174388	44.64254	32.08666	9.044815
11499	LOC103211	3.549783	4.066571	1.616151	2.516207	0.011863	0.027426	0	0.547412	0.695731	4.464254	8.556443	7.034856
14062	KLK11	26.50944	4.066024	2.031543	2.001447	0.045344	0.085726	0	0	9.044508	46.87467	77.00798	26.12947
5713	LOC103221	19.25102	4.064785	0.941117	4.319106	1.57E-05	7.29E-05	0	0.547412	6.261582	24.5534	62.03421	22.10955
23	LOC103221	1357.156	4.063381	0.113166	35.9063	2.44E-282	2.82E-279	151.7842	159.2968	148.1908	2526.768	2569.072	2587.822
6482	TEX47	15.59921	4.063163	1.029437	3.946977	7.91E-05	0.000325	0	0	5.565851	35.71403	34.22577	18.08963
11820	TLE7	3.741999	4.062923	1.662698	2.443573	0.014543	0.032709	0	0	1.391463	4.464254	8.556443	8.039836
14551	LOC119611	1.871	4.062157	2.119748	1.916339	0.055322	0.101074	0	0	0.695731	2.232127	4.278221	4.019918
14648	LOC119621	1.897923	4.061309	2.140428	1.897428	0.057771	0.104851	0.542086	0	0	6.696381	2.139111	2.009959
14646	LOC119621	1.898881	4.061299	2.140175	1.897648	0.057743	0.104813	0	0.547412	0	6.696381	2.139111	2.009959
11461	LOC103221	3.586811	4.060232	1.608484	2.52426	0.011594	0.026892	0	0.547412	0.695731	6.696381	8.556443	5.024897
12226	LOC119621	3.410097	4.059915	1.719324	2.361344	0.018209	0.039594	0	1.094824	0	8.928508	6.417332	4.019918
11597	SLC5A8	3.57042	4.05806	1.626347	2.495199	0.012589	0.028858	0.542086	0	0.695731	4.464254	10.69555	5.024897
5967	LOC103241	10.42675	4.056972	0.970913	4.17851	2.93E-05	0.000131	1.084173	1.642235	0.695731	24.5534	23.53022	11.05477
15576	PRR20G	1.945056	4.056475	2.341382	1.732513	0.083182	0.141929	0	0	0.695731	6.696381	4.278221	0
15579	LOC103231	1.945056	4.056475	2.341382	1.732513	0.083182	0.141929	0	0	0.695731	6.696381	4.278221	0
15580	LOC103231	1.945056	4.056475	2.341382	1.732513	0.083182	0.141929	0	0	0.695731	6.696381	4.278221	0
15581	LOC119621	1.945056	4.056475	2.341382	1.732513	0.083182	0.141929	0	0	0.695731	6.696381	4.278221	0
8163	SMC1B	7.439894	4.055687	1.207018	3.360087	0.000779	0.002538	0	0.547412	2.087194	17.85702	17.11289	7.034856
11876	KNCN	3.763524	4.054665	1.667581	2.431466	0.015038	0.03366	0	0	1.391463	4.464254	10.69555	6.029877
11622	LOC119621	3.623839	4.053896	1.629053	2.488499	0.012828	0.029345	0	0.547412	0.695731	8.928508	8.556443	3.014938
7840	LOC103231	7.231287	4.053709	1.173035	3.455743	0.000549	0.001861	0.542086	0.547412	1.391463	15.62489	19.252	6.029877
8031	LOC103231	7.054573	4.053181	1.190823	3.40368	0.000665	0.002201	0.542086	1.094824	0.695731	17.85702	17.11289	5.024897
7187	LOC119621	11.37651	4.052137	1.104187	3.669791	0.000243	0.000898	0	0.547412	3.478657	37.94616	19.252	7.034856
12146	TNFSF10	3.853083	4.051921	1.704969	2.376536	0.017476	0.038251	0	0	1.391463	11.16063	8.556443	2.009959
7764	LOC103231	9.42109	4.051857	1.166171	3.474497	0.000512	0.001753	0.542086	0	2.782925	26.78552	21.39111	5.024897
14561	LOC119621	1.883308	4.050913	2.117421	1.913135	0.055731	0.101751	0	0.547412	0	4.464254	4.278221	2.009959
8561	SEZ6L	7.573557	4.050811	1.250861	3.238419	0.001202	0.003733	0	0	2.782925	15.62489	14.97377	12.05975
9810	NANOGNB	5.553392	4.050795	1.39557	2.902611	0.003701	0.010029	0	0.547412	1.391463	13.39276	14.97377	3.014938
14529	ADH4	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
14530	LOC119621	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
14531	LOC103211	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
14532	LOC119621	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
14533	VSTM2B	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
14534	LINC02876	1.908028	4.050631	2.110416	1.919352	0.05494	0.100494	0	0	0.695731	4.464254	4.278221	2.009959
7674	RPL3L	8.938506	4.050215	1.157144	3.500181	0.000465	0.001611	0	1.642235	1.391463	15.62489	29.94755	5.024897
15422	LOC103231	1.855497	4.050214	2.305192	1.756996	0.078918	0.136043	0	0	0.695731	0	6.417332	4.019918
122	LOC103211	494.7688	4.048483	0.17257	23.45991	1.05E-121	2.28E-119	47.16151	62.40495	59.8329	874.9938	1026.773	897.4467
8446	SLC9C1	7.445916	4.048447	1.238099	3.269889	0.001076	0.003387	0	0.547412	2.087194	15.62489	21.39111	5.024897
5996	LOC119621	12.94589	4.047767	0.971687	4.165709	3.10E-05	0.000138	0.542086	0.547412	3.478657	24.5534	38.50399	10.04979
6573	DCAF8L1	10.89064	4.047478	1.034922	3.910903	9.20E-05	0.000372	0	1.094824	2.782925	11.16063	34.22577	16.07967
15691	SOSTDC1	1.904833	4.046861	2.353789	1.719296	0.08556	0.144964	0	0.547412	0	4.464254	6.417332	0
15648	SMPX	1.929553	4.046363	2.345371	1.725255	0.084482	0.143501	0	0	0.695731	4.464254	6.417332	0
15649	LOC103241	1.929553	4.046363	2.345371	1.725255	0.084482	0.143501	0	0	0.695731	4.464254	6.417332	0
15650	LOC119621	1.929553	4.046363	2.345371	1.725255	0.084482	0.143501	0	0	0.695731	4.464254	6.417332	0
15651	TAS2R41	1.929553	4.046363	2.345371	1.725255	0.084482	0.143501	0	0	0.695731	4.464254	6.417332	0
8633	SPDYE4	9.599116	4.046048	1.256716	3.219539	0.001284	0.003954	0	0	3.478657	6.696381	36.36488	11.05477
11833	ZIM3	3.592833	4.044526	1.656869	2.441066	0.014644	0.0329	0	0.547412	0.695731	4.464254	12.83466	3.014938
7986	SEL1L2	9.555641	4.042618	1.183218	3.41663	0.000634	0.002111	0	0	3.478657	24.5534	19.252	10.04979
7166	RSP04	15.56433	4.042602	1.099805	3.675744	0.000237	0.00088	0	0	5.565851	42.41041	36.36488	9.044815
14733	LOC119621	1.867805	4.042509	2.146822	1.88302	0.059698	0.107681	0	0.547412	0	2.232127	6.417332	2.009959
14734	TMPRSS12	1.867805	4.042509	2.146822	1.88302	0.059698	0.107681	0	0.547412	0	2.232127	6.417332	2.009959
14736	ASB18	1.867805	4.042509	2.146822	1.88302	0.059698	0.107681	0	0.547412	0	2.232127	6.417332	2.009959
14737	LOC119621	1.867805	4.042509	2.146822	1.88302	0.059698	0.107681	0	0.547412	0	2.232127	6.417332	2.009959
14739	LOC119621	1.867805	4.042509	2.146822	1.88302	0.059698	0.107681	0	0.547412	0	2.232127	6.417332	2.009



18465	TXNDC8	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18466	SPRR1B	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18469	PTH	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18470	LOC103240	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18471	LOC103240	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18473	LOC103230	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18475	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18476	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18477	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18478	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18479	LOC103220	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18480	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18481	TRNAT-AG	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18482	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18483	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18484	LOC103220	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18485	LOC103220	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18486	LOC119610	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18487	PRAP1	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18489	LOC103210	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18490	LOC103230	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18491	LOC119620	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18494	TNP2	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18496	IRGC	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
18498	TAS2R9	0.911539	4.042449	3.225694	1.253203	0.210132	0.301974	0	0	0	4.464254	0	1.004979
14708	LOC103210	1.892525	4.042264	2.139681	1.88919	0.058866	0.106388	0	0	0.695731	2.232127	6.417332	2.009959
14709	LOC103240	1.892525	4.042264	2.139681	1.88919	0.058866	0.106388	0	0	0.695731	2.232127	6.417332	2.009959
14710	LOC119610	1.892525	4.042264	2.139681	1.88919	0.058866	0.106388	0	0	0.695731	2.232127	6.417332	2.009959
10266	DSG3	5.611902	4.041466	1.445023	2.796818	0.005161	0.013363	0	0	2.087194	4.464254	17.11289	10.04979
18527	LOC119620	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18529	LOC103230	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18530	FSHB	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18531	LOC119620	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18533	LOC119620	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18534	LOC103220	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18535	TNMD	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
18536	LOC103240	0.874511	4.038968	3.240356	1.246458	0.212596	0.304922	0	0	0	2.232127	0	3.014938
16798	LOC103220	1.873828	4.038466	2.646355	1.526049	0.126998	0.20099	0	0.547412	0	0	10.69555	0
15843	LOC103230	1.91405	4.038252	2.386915	1.691829	0.090679	0.152132	0	0	0.695731	2.232127	8.556443	0
15844	LOC119620	1.91405	4.038252	2.386915	1.691829	0.090679	0.152132	0	0	0.695731	2.232127	8.556443	0
15845	LOC119620	1.91405	4.038252	2.386915	1.691829	0.090679	0.152132	0	0	0.695731	2.232127	8.556443	0
15846	LOC103230	1.91405	4.038252	2.386915	1.691829	0.090679	0.152132	0	0	0.695731	2.232127	8.556443	0
16754	LOC119620	1.898547	4.038116	2.635922	1.531956	0.125533	0.199147	0	0	0.695731	0	10.69555	0
16755	LOC103240	1.898547	4.038116	2.635922	1.531956	0.125533	0.199147	0	0	0.695731	0	10.69555	0
16756	LOC103230	1.898547	4.038116	2.635922	1.531956	0.125533	0.199147	0	0	0.695731	0	10.69555	0
16758	LOC103220	1.898547	4.038116	2.635922	1.531956	0.125533	0.199147	0	0	0.695731	0	10.69555	0
10281	IL24	5.677575	4.038008	1.445819	2.792886	0.005224	0.013508	0	0	2.087194	6.696381	19.252	6.029877
6529	LOC103210	15.2526	4.037934	1.028289	3.926846	8.61E-05	0.00035	0	0	5.565851	22.32127	38.50399	25.12449
15673	LOC103220	1.851415	4.037789	2.34467	1.722158	0.085041	0.144249	0.542086	0	0	0	8.556443	2.009959
15603	LOC103240	1.877022	4.037701	2.335503	1.728835	0.083839	0.142829	0	0	0.695731	0	8.556443	2.009959
15604	MHC-DPB1	1.877022	4.037701	2.335503	1.728835	0.083839	0.142829	0	0	0.695731	0	8.556443	2.009959
15605	LOC103230	1.877022	4.037701	2.335503	1.728835	0.083839	0.142829	0	0	0.695731	0	8.556443	2.009959
810	LOC119620	94.92672	4.0371	0.335703	12.0258	2.60E-33	8.54E-32	9.757555	8.758589	14.61036	158.481	201.0764	176.8764
8093	GP2	9.328961	4.036229	1.193147	3.382843	0.000717	0.002357	0	0.547412	2.782925	13.39276	34.22577	5.024897
5208	KHDRBS2	16.39107	4.035204	0.882125	4.574413	4.78E-06	2.44E-05	0	1.642235	4.174388	37.94616	38.50399	16.07967
13497	LOC103230	3.859106	4.032767	1.913574	2.107453	0.035078	0.069094	0	0	1.391463	8.928508	12.83466	0
11207	LOC103230	5.417325	4.031757	1.561848	2.581401	0.00984	0.02334	0	0.547412	1.391463	0	23.53022	7.034856
9109	TCEAL5	7.5701	4.031558	1.308678	3.080635	0.002066	0.006029	0	0	2.782925	8.928508	25.66933	8.039836
8071	TRIML2	7.191431	4.029401	1.18784	3.39221	0.000693	0.002284	0.542086	0	2.087194	15.62489	12.83466	12.05975
5871	LOC119610	12.35693	4.029258	0.952581	4.229833	2.34E-05	0.000106	0.542086	1.642235	2.087194	22.32127	38.50399	9.044815
6689	GRIA4	17.26825	4.027511	1.043436	3.859852	0.000113	0.000451	0	0	6.261582	26.78552	53.47777	17.08465
6580	ARHGAP20	10.69276	4.026733	1.030182	3.908759	9.28E-05	0.000375	1.084173	0.547412	2.087194	22.32127	32.08666	6.029877
4958	LOC119620	13.58388	4.021715	0.853899	4.709827	2.48E-06	1.33E-05	0.542086	2.737059	1.391463	26.78552	29.94755	20.09959
3830	LOC119620	24.45326	4.021554	0.729173	5.515224	3.48E-08	2.42E-07	3.252518	1.094824	4.174388	37.94616	79.14709	21.10457
6454	AZGP1	12.78442	4.02127	1.015775	3.958822	7.53E-05	0.00031	0.542086	0.547412	3.478657	22.32127	42.78221	7.034856
18650	LOC119610	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18651	LOC103230	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18652	APCS	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18653	LOC103220	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18657	LOC119620	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18660	LOC119620	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18662	LOC119610	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18667	LOC119620	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938
18668	LOC119610	0.859008	4.018662	3.260153	1.232661	0.217702	0.310012	0	0	0	0	2.139111	3.014938



10001	LOC119621	5.179858	4.017231	1.404029	2.861215	0.00422	0.011218	1.084173	0	0.695731	17.85702	6.417332	5.024897
17747	LOC103218	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17748	LOC103235	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17749	LOC119621	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17750	LOC119624	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17751	KERA	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17753	CCIN	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17754	LOC103246	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17755	LOC119624	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17757	LOC119624	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17759	LOC119625	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17761	LOC103241	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17762	LOC119625	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17763	LOC119625	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17765	SLC5A7	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17767	LOC103248	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17768	LOC119626	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17770	LOC103220	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17771	LOC119627	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17772	LOC103214	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17773	CCL22	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17774	LOC119628	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17775	PNLIPRP3	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17778	LOC119628	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17779	LOC119618	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17780	GTSF1L	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17781	DEFB115	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17782	SMIM18	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17783	LOC119618	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17784	LOC119619	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17786	LOC103246	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17787	LOC119619	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17788	LOC119619	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17789	LOC103230	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17790	LOC103230	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17791	LOC103247	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17792	LOC119620	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17793	LOC119620	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17794	LOC103247	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17795	LOC103233	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17796	LOC119620	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17797	LOC119620	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17799	CAPZA3	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17800	LOC119621	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17804	KRTAP29-1	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17805	LOC103214	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17806	LOC119627	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17807	LOC103247	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17808	LOC103247	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
17811	LOC119623	0.896036	4.016615	2.921116	1.375028	0.169123	0.252436	0	0	0	2.232127	2.139111	1.004979
11144	MAGEA8	4.995439	4.016173	1.548798	2.59309	0.009512	0.022691	0	1.642235	0	15.62489	10.69555	2.009959
5066	CNTNAP5	24.14391	4.014179	0.86296	4.651642	3.29E-06	1.73E-05	0	1.094824	7.653045	42.41041	70.59065	23.11453
19681	LOC119623	0.837483	4.012891	3.739449	1.073124	0.283216	0.382566	0	0	0	0	0	5.024897
14060	LOC119623	3.812598	4.012671	2.004486	2.001845	0.045301	0.085657	0	0	1.391463	2.232127	19.252	0
3707	LOC119626	36.81868	4.012263	0.712117	5.634278	1.76E-08	1.26E-07	1.084173	1.094824	11.1317	91.51721	74.86887	41.20416
8186	FAM163B	9.388144	4.011612	1.19709	3.351135	0.000805	0.002614	0	0	3.478657	24.5534	19.252	9.044815
5151	CDC20B	16.01859	4.011473	0.871656	4.60213	4.18E-06	2.16E-05	0.542086	1.094824	4.174388	17.85702	51.33866	21.10457
8961	LOC119620	7.070701	4.008615	1.281329	3.128483	0.001757	0.005213	0	1.094824	1.391463	13.39276	23.53022	3.014938
11606	LOC103234	5.437538	4.005964	1.607385	2.492225	0.012695	0.029078	0.542086	0	1.391463	17.85702	12.83466	0
9815	RXRG	5.150628	4.004515	1.38019	2.901422	0.003715	0.010062	0	1.094824	0.695731	13.39276	10.69555	5.024897
5105	VIL1	24.03408	4.004408	0.865685	4.62571	3.73E-06	1.94E-05	0.542086	0.547412	7.653045	44.64254	72.72976	18.08963
10322	LOC119627	5.572089	4.002138	1.438019	2.78309	0.005384	0.013866	0	0	2.087194	15.62489	10.69555	5.024897
3618	RGS8	24.751	4.001972	0.699602	5.720355	1.06E-08	7.81E-08	1.626259	1.094824	6.261582	58.0353	51.33866	30.14938
18703	C1QA	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18704	LOC119623	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18705	LOC119624	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18706	LOC119624	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18707	LOC119624	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18708	GJE1	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18709	LOC103240	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18710	LOC119626	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18711	CKK	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18713	LOC119626	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18714	LOC103215	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979



18715	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18716	LOC103241	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18717	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18718	LOC119611	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18719	CUNH1orf	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18720	LOC103231	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18721	LOC103231	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18722	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18723	LOC103241	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18724	LOC103231	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18725	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18728	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18729	LOC103211	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18730	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18731	LOC103231	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18732	LOC103211	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18733	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18734	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
18735	LOC119621	0.880533	4.001685	3.262894	1.226422	0.22004	0.312237	0	0	0	0	4.278221	1.004979
6858	LOC103231	10.89943	3.999777	1.054518	3.792989	0.000149	0.000577	0	0.547412	3.478657	26.78552	23.53022	11.05477
6839	LOC103221	10.71324	3.999712	1.052015	3.801953	0.000144	0.000558	0	1.094824	2.782925	24.5534	27.80844	8.039836
9889	LOC103231	5.348867	3.999325	1.385612	2.886324	0.003898	0.010477	0	0.547412	1.391463	11.16063	14.97377	4.019918
4261	GA57	24.81866	3.999111	0.771738	5.181957	2.20E-07	1.37E-06	0	2.737059	6.261582	40.17829	70.59065	29.1444
6750	CYP2G2	10.8469	3.99904	1.042297	3.836758	0.000125	0.000491	0	0.547412	3.478657	22.32127	25.66933	13.06473
7022	LOC119621	10.93646	3.998603	1.073151	3.726041	0.000195	0.000736	0	0.547412	3.478657	29.01765	23.53022	9.044815
3512	AGMO	21.45422	3.997919	0.683895	5.845805	5.04E-09	3.82E-08	4.336691	1.094824	2.087194	44.64254	36.36488	40.19918
10108	GDF2	5.067092	3.997861	1.409222	2.836928	0.004555	0.011979	0	1.094824	0.695731	4.464254	17.11289	7.034856
12793	IDO1	3.19955	3.997408	1.783739	2.241027	0.025024	0.052003	0	1.094824	0	8.928508	2.139111	7.034856
6457	LOC119621	12.70842	3.996172	1.009815	3.957332	7.58E-05	0.000312	0	0.547412	4.174388	20.08914	36.36488	15.07469
6211	TMEM45B	10.02525	3.994919	0.981882	4.068636	4.73E-05	0.000202	0.542086	1.642235	1.391463	26.78552	10.69555	19.09461
6044	CALN1	22.40783	3.994603	0.963409	4.146322	3.38E-05	0.000149	0.542086	0	7.653045	46.87467	66.31243	13.06473
7212	IGSF22	8.694125	3.993107	1.090054	3.663221	0.000249	0.000918	0	1.094824	2.087194	13.39276	23.53022	12.05975
6987	LOC103241	10.83653	3.992595	1.067748	3.739267	0.000185	0.000702	0.542086	0	3.478657	17.85702	32.08666	11.05477
10156	TACR2	5.317862	3.991926	1.413396	2.824352	0.004738	0.012402	0	0.547412	1.391463	6.696381	19.252	4.019918
12094	PLA2G2E	3.590005	3.991369	1.671116	2.388382	0.016923	0.0372	0	0	1.391463	6.696381	6.417332	7.034856
2673	CCN5	31.94785	3.990082	0.580533	6.873134	6.28E-12	6.25E-11	3.252518	2.189647	6.261582	40.17829	68.45154	71.35354
50	CLDN10	927.7291	3.98984	0.133369	29.91569	1.23E-196	6.54E-194	124.1378	101.2712	103.664	1763.38	1726.262	1747.659
7610	PLEKHB1	8.805209	3.989541	1.132528	3.522687	0.000427	0.001492	0	1.094824	2.087194	20.08914	23.53022	6.029877
9322	VWA2	6.766976	3.988255	1.318252	3.025412	0.002483	0.007081	0	1.642235	0.695731	24.5534	10.69555	3.014938
7464	SIDT1	8.752678	3.988082	1.115285	3.57584	0.000349	0.001243	0	1.094824	2.087194	15.62489	25.66933	8.039836
5488	LOC119621	13.45723	3.987786	0.903335	4.414516	1.01E-05	4.90E-05	1.626259	1.642235	1.391463	44.64254	21.39111	10.04979
17	IGFBP7	5153.577	3.987536	0.089754	44.42726	0	0	627.736	623.5021	581.6314	9841.448	9384.278	9862.869
12072	LOC103231	57.4747	3.987086	1.665825	2.393461	0.01669	0.036755	0	1.094824	19.48048	93.74933	156.1551	74.36848
8059	SIGLEC14	9.034454	3.98558	1.173419	3.396554	0.000682	0.002251	0	0.547412	2.782925	22.32127	23.53022	5.024897
25	SMIM10L2	2251.156	3.984997	0.112429	35.44466	3.51E-275	3.73E-272	279.7166	272.0637	250.4633	4066.935	4010.833	4626.925
11865	LOC103241	3.382286	3.984535	1.637284	2.433625	0.014948	0.033494	0	0.547412	0.695731	4.464254	8.556443	6.029877
3422	EPHB1	38.49717	3.982482	0.672419	5.922623	3.17E-09	2.46E-08	0.542086	4.379295	9.044508	75.89232	106.9555	34.1693
6157	ELAVL4	12.32718	3.982475	0.97282	4.093743	4.24E-05	0.000183	0	1.094824	3.478657	20.08914	34.22577	15.07469
12142	CLUU1-AS1	3.611531	3.982356	1.674527	2.378197	0.017398	0.038089	0	0	1.391463	6.696381	8.556443	5.024897
12143	LOC119621	3.611531	3.982356	1.674527	2.378197	0.017398	0.038089	0	0	1.391463	6.696381	8.556443	5.024897
3549	PIGR	20.02719	3.982092	0.686038	5.804475	6.46E-09	4.84E-08	1.626259	2.737059	2.782925	37.94616	44.92132	30.14938
5462	LRRC74A	15.81789	3.981787	0.89798	4.434158	9.24E-06	4.50E-05	1.626259	0	4.174388	31.24978	42.78221	15.07469
5519	DRAXIN	19.67018	3.981543	0.904031	4.404209	1.06E-05	5.11E-05	0	1.642235	5.565851	35.71403	62.03421	13.06473
4144	PREX2	16.89567	3.980779	0.756591	5.261465	1.43E-07	9.17E-07	1.626259	1.642235	2.782925	35.71403	38.50399	21.10457
12170	MEP1A	3.470957	3.980344	1.67816	2.37185	0.017699	0.038664	0.542086	0	0.695731	11.16063	6.417332	2.009959
8029	LOC119621	8.763836	3.97979	1.169193	3.403877	0.000664	0.0022	0.542086	0.547412	2.087194	11.16063	34.22577	4.019918
8351	ZSWIM2	7.030845	3.979405	1.207126	3.296596	0.000979	0.003115	0	0.547412	2.087194	13.39276	17.11289	9.044815
13765	LOC119611	165.3533	3.979188	1.937393	2.053888	0.039987	0.077228	0	2.189647	57.04997	357.1403	464.187	111.5527
913	TMEM1511	81.99758	3.978788	0.348596	11.41376	3.57E-30	1.04E-28	8.673382	9.853413	11.1317	149.5525	136.9031	175.8714
6910	SIGLEC16	9.946678	3.978321	1.054256	3.773582	0.000161	0.000619	0.542086	2.189647	0.695731	24.5534	25.66933	6.029877
6571	LOC119621	10.13712	3.977701	1.016905	3.911576	9.17E-05	0.000371	1.626259	0.547412	1.391463	24.5534	25.66933	7.034856
10280	FAT3	38.80927	3.977406	1.423782	2.79355	0.005213	0.013482	0	2.189647	11.82743	89.28508	98.39909	31.15436
12296	P2RX2	3.648559	3.977194	1.696013	2.345026	0.019026	0.041134	0	0	1.391463	8.928508	8.556443	3.014938
13198	FFAR1	3.264126	3.975752	1.832662	2.169386	0.030053	0.060537	0	1.094824	0	8.928508	8.556443	1.004979
12289	RNASE2	3.596028	3.975231	1.694037	2.346602	0.018945	0.040985	0	0	1.391463	4.464254	10.69555	5.024897
11119	EN1	5.457547	3.975047	1.529799	2.598411	0.009366	0.022393	0	0	2.087194	2.232127	21.39111	7.034856
7872	LOC119621	13.00224	3.974403	1.152658	3.448032	0.000565	0.001907	0	0	4.87012	22.32127	42.78221	8.039836
2732	LOC119611	35.87802	3.974305	0.584175	6.803273	1.02E-11	9.95E-11	1.626259	2.737059	9.044508	58.0353	68.45154	75.37346
8448	LOC103241	6.896294	3.972314	1.214937	3.269563	0.001077	0.00339	0.542086	0.547412	1.391463	15.62489	19.252	4.019918
2707	GSDMC	49.22808	3.971709	0.581787	6.826742	8.69E-12	8.53E-11	2.168345	6.568942	9.044508	80.35657	154.016	43.21412
12156	LOC119621	3.456342	3.971654	1.672532	2.374636	0.017566	0.038414	0	0.547412	0.695731	8.928508	8.556443	2.009959
12157	DKK4	3.456342	3.971654	1.672532	2.374636	0.017566	0.038414	0	0.547412	0.695731	8.928508	8.556443	2.009959
13775	ZNF677	19.10782	3.971524	1.935339	2.052107	0.040159	0.077507	0	0	6.957314	42.41041	49.19955	16.07967
7301	CADPS	8.586864	3.97126	1.092436	3.635233	0.000278	0.001011	1.084173	0	2.087194	22.32127	14.97377	11.05477



12806	DBX2	3.685587	3.971174	1.774733	2.237617	0.025246	0.052408	0	0	1.391463	11.16063	8.556443	1.004979
12215	CD36	3.241713	3.971009	1.679385	2.364562	0.018051	0.039288	0.542086	0.547412	0	8.928508	6.417332	3.014938
7262	SMIM22	10.73796	3.967798	1.087284	3.649276	0.000263	0.000963	0	0.547412	3.478657	24.5534	27.80844	8.039836
12333	CEACAM5	3.388309	3.966815	1.696869	2.337726	0.019401	0.041822	0	0.547412	0.695731	2.232127	12.83466	4.019918
12223	GPR143	3.440839	3.966568	1.679278	2.362067	0.018173	0.039527	0	0.547412	0.695731	6.696381	10.69555	2.009959
5793	LOC103238	11.9812	3.965794	0.927106	4.277605	1.89E-05	8.67E-05	1.084173	0.547412	2.782925	22.32127	32.08666	13.06473
7281	LOC119624	8.328389	3.964001	1.089285	3.639085	0.000274	0.000999	0	1.642235	1.391463	15.62489	19.252	12.05975
8108	LOC103231	8.89194	3.962243	1.173286	3.377049	0.000733	0.002402	0	0.547412	2.782925	29.01765	14.97377	6.029877
6768	LOC119624	16.49666	3.962198	1.034865	3.828709	0.000129	0.000506	0	0	6.261582	24.5534	47.06043	21.10457
7752	LOC119621	8.839409	3.961813	1.139252	3.477557	0.000506	0.001735	0	0.547412	2.782925	24.5534	17.11289	8.039836
7338	SLC15A1	9.595557	3.961688	1.094559	3.619439	0.000295	0.00107	1.084173	2.189647	0	29.01765	19.252	6.029877
5061	LOC119621	16.72135	3.960606	0.850886	4.654687	3.24E-06	1.70E-05	0	3.284471	2.782925	31.24978	44.92132	18.08963
9773	LOC103227	5.137432	3.960068	1.360731	2.910251	0.003611	0.009824	0.542086	0	1.391463	11.16063	10.69555	7.034856
12929	LOC103241	3.654581	3.959814	1.786789	2.216162	0.02668	0.054857	0	0	1.391463	6.696381	12.83466	1.004979
10445	LOC103248	5.324514	3.959467	1.436522	2.756287	0.005846	0.01488	0	0	2.087194	13.39276	6.417332	10.04979
9677	ABCG8	7.30314	3.958748	1.34782	2.937149	0.003312	0.009099	0	0	2.782925	15.62489	21.39111	4.019918
9678	OTC	7.30314	3.958748	1.34782	2.937149	0.003312	0.009099	0	0	2.782925	15.62489	21.39111	4.019918
9862	LOC119626	5.085789	3.957545	1.369125	2.890565	0.003846	0.010366	0	0.547412	1.391463	6.696381	12.83466	9.044815
76	SLC43A2	2853.447	3.955873	0.150102	26.35453	4.55E-153	1.59E-150	392.4705	268.2318	377.0864	5167.374	4834.39	6081.131
7690	MAT1A	8.585182	3.95475	1.131109	3.496347	0.000472	0.001631	0	1.094824	2.087194	15.62489	25.66933	7.034856
7002	MARVELD1	12.27679	3.953536	1.059494	3.731533	0.00019	0.000723	0	1.094824	3.478657	24.5534	38.50399	6.029877
6868	NME8	14.34603	3.952177	1.042949	3.789425	0.000151	0.000584	0	0.547412	4.87012	24.5534	47.06043	9.044815
15093	LOC119619	32.26808	3.95101	2.174149	1.817267	0.069176	0.121848	0	0	11.82743	60.26743	98.39909	23.11453
140	FLRT2	412.2327	3.950466	0.174093	22.69169	5.41E-114	1.03E-111	46.61943	58.02565	45.22254	787.9408	748.6887	786.8989
4471	SELL	22.74822	3.950133	0.785588	5.028252	4.95E-07	2.94E-06	0.542086	1.094824	6.957314	53.57105	49.19955	25.12449
5670	SLC16A4	11.80254	3.949726	0.910196	4.339423	1.43E-05	6.70E-05	0.542086	1.094824	2.782925	26.78552	23.53022	16.07967
10413	LOC119621	5.315034	3.94904	1.428998	2.763503	0.005718	0.0146	0	0	2.087194	8.928508	12.83466	8.039836
5575	TFAP2B	19.64645	3.948932	0.900969	4.382985	1.17E-05	5.58E-05	0	0.547412	6.957314	46.87467	36.36488	27.13445
10696	SPATC1	5.404592	3.947655	1.465967	2.692867	0.007084	0.017606	0	0	2.087194	15.62489	10.69555	4.019918
10284	CDHR3	5.196873	3.947249	1.413736	2.792069	0.005237	0.013538	0	0.547412	1.391463	13.39276	12.83466	3.014938
10488	LOC119621	5.352062	3.947194	1.436689	2.747423	0.006007	0.015225	0	0	2.087194	11.16063	12.83466	6.029877
10068	LOC103241	5.144342	3.946559	1.386388	2.846648	0.004418	0.011667	0	0.547412	1.391463	8.928508	14.97377	5.024897
10000	LOC119619	7.182576	3.944845	1.37848	2.861736	0.004213	0.011201	0	0	2.782925	4.464254	27.80844	8.039836
10321	LOC103240	5.18137	3.943584	1.416966	2.783119	0.005384	0.013866	0	0.547412	1.391463	11.16063	14.97377	3.014938
8592	LOC119620	6.789292	3.940771	1.219471	3.231541	0.001231	0.00381	0	0.547412	2.087194	8.928508	17.11289	12.05975
4754	PTPRD	22.37636	3.938801	0.813688	4.840677	1.29E-06	7.23E-06	2.168345	0	6.261582	49.10679	55.61688	21.10457
9116	SEMA3E	6.96841	3.93834	1.279139	3.078899	0.002078	0.006059	0	0.547412	2.087194	22.32127	12.83466	4.019918
8282	ZAN	68.97099	3.937969	1.186373	3.319335	0.000902	0.002896	1.626259	1.642235	22.2634	156.2489	164.7115	67.33362
4468	MYH3	22.36866	3.937347	0.782588	5.031185	4.87E-07	2.90E-06	1.084173	1.094824	6.261582	44.64254	62.03421	19.09461
11158	SMIM9	5.410615	3.936968	1.520063	2.590004	0.009597	0.022867	0	0	2.087194	13.39276	14.97377	2.009959
10813	ADAD1	5.284028	3.936136	1.475462	2.66773	0.007637	0.018775	0	0	2.087194	4.464254	17.11289	8.039836
7144	ARRDC5	8.38925	3.93254	1.067879	3.68257	0.000231	0.000859	0.542086	0.547412	2.087194	17.85702	19.252	10.04979
5586	OPCML	13.3474	3.932479	0.898053	4.378896	1.19E-05	5.68E-05	0.542086	1.642235	2.782925	24.5534	38.50399	12.05975
14390	NXPH1	3.608073	3.931744	2.021158	1.945293	0.05174	0.095585	0	0	1.391463	0	19.252	1.004979
7870	LOC103240	10.70412	3.930879	1.139824	3.44867	0.000563	0.001903	0	0	4.174388	22.32127	25.66933	12.05975
14084	RARRES2	18.60533	3.929414	1.967551	1.997109	0.045813	0.086477	0	0	6.957314	42.41041	49.19955	13.06473
1890	CRTAC1	42.88463	3.928386	0.478067	8.217229	2.08E-16	2.93E-15	3.794605	6.02153	6.261582	82.5887	64.17332	94.46807
7769	LOC103221	8.619382	3.927789	1.131321	3.471862	0.000517	0.001769	0	0.547412	2.782925	20.08914	19.252	9.044815
16032	LOC103241	1.734508	3.926438	2.364575	1.660526	0.096809	0.160533	0	0	0.695731	6.696381	0	3.014938
9657	IRS4	6.943427	3.925967	1.333132	2.94472	0.00323	0.008893	0	0.547412	2.087194	15.62489	21.39111	2.009959
15349	CTXN3	1.657258	3.925524	2.216917	1.770713	0.076608	0.132688	0	0.547412	0	2.232127	2.139111	5.024897
16248	LOC119621	1.771536	3.925249	2.426443	1.617697	0.105728	0.172992	0	0	0.695731	8.928508	0	1.004979
7249	SLC26A8	8.16514	3.924903	1.074283	3.653509	0.000259	0.000949	1.084173	0.547412	1.391463	13.39276	23.53022	9.044815
8056	LYVE1	8.624517	3.922858	1.154765	3.397106	0.000681	0.002247	0.542086	0	2.782925	17.85702	23.53022	7.034856
9266	TRDN	6.838365	3.921316	1.289647	3.040611	0.002361	0.006774	0	0.547412	2.087194	6.696381	25.66933	6.029877
7639	SMIM23	12.49719	3.919761	1.115944	3.512507	0.000444	0.001545	0	0	4.87012	31.24978	27.80844	11.05477
16297	LOC119624	1.62023	3.918765	2.438256	1.6072	0.10801	0.176196	0	0.547412	0	0	2.139111	7.034856
8094	ITLN1	8.402183	3.918399	1.158533	3.382208	0.000719	0.002361	0	1.094824	2.087194	13.39276	27.80844	6.029877
5346	FUT7	15.18414	3.91695	0.872357	4.490076	7.12E-06	3.54E-05	0.542086	1.094824	4.174388	42.41041	27.80844	15.07469
5198	HNF4A	28.20596	3.916758	0.855057	4.580698	4.63E-06	2.37E-05	0	1.094824	9.740239	66.96381	66.31243	25.12449
7271	LOC119621	10.34441	3.916154	1.074519	3.644566	0.000268	0.000979	0	0.547412	3.478657	22.32127	25.66933	10.04979
12477	LOC103234	3.26041	3.91604	1.698839	2.305128	0.021159	0.045085	0.542086	0	0.695731	11.16063	2.139111	5.024897
8702	SHISA7	8.848626	3.915696	1.222975	3.201779	0.001366	0.004173	0	0	3.478657	22.32127	19.252	8.039836
4981	PDZRN4	14.30666	3.915248	0.833318	4.698387	2.62E-06	1.40E-05	2.710432	1.094824	1.391463	33.4819	32.08666	15.07469
15229	LOC119618	1.694286	3.914625	2.186508	1.790355	0.073397	0.128128	0	0.547412	0	4.464254	2.139111	3.014938
15192	LOC103238	1.719006	3.914569	2.178227	1.797135	0.072314	0.126537	0	0	0.695731	4.464254	2.139111	3.014938
15193	LOC119621	1.719006	3.914569	2.178227	1.797135	0.072314	0.126537	0	0	0.695731	4.464254	2.139111	3.014938
6238	LOC103241	13.42554	3.910169	0.963759	4.057206	4.97E-05	0.000212	0	1.642235	3.478657	29.01765	36.36488	10.04979
2211	EBI3	36.05627	3.9097	0.515647	7.58212	3.40E-14	4.09E-13	4.336691	4.379295	4.87012	49.10679	81.28621	72.35852
4743	CACNA1S	18.53862	3.908879	0.805374	4.853494	1.21E-06	6.80E-06	0.542086	1.094824	5.565851	42.41041	38.50399	23.11453
4649	LOC103211	18.44906	3.908755	0.79493	4.917103	8.78E-07	5.02E-06	0.542086	1.094824	5.565851	35.71403	40.6431	27.13445
12475	COL10A1	3.422509	3.908542	1.695374	2.905416	0.021143	0.045058	0	0	1.391463	6.696381	6.417332	6.029877
4842	LOC119620	22.17256	3.908214	0.816405	4.787102	1.69E-06	9.29E-06	0	1.642235	6.			



12202	LOC103216	3.229405	3.905983	1.650779	2.366146	0.017974	0.039161	0.542086	0	0.695731	6.696381	6.417332	5.024897
3590	LOC103240	25.59005	3.905126	0.678401	5.75637	8.59E-09	6.36E-08	0.542086	4.926706	4.174388	42.41041	66.31243	35.17428
15498	LOC119619	1.730426	3.904666	2.23797	1.744736	0.081031	0.138999	0.542086	0	0	6.696381	2.139111	1.004979
15497	LOC103240	1.731314	3.904649	2.237678	1.744955	0.080993	0.138942	0	0.547412	0	6.696381	2.139111	1.004979
15238	LOC103225	1.703503	3.904417	2.182218	1.789197	0.073583	0.128327	0	0	0.695731	2.232127	4.278221	3.014938
15240	LOC119619	1.703503	3.904417	2.182218	1.789197	0.073583	0.128327	0	0	0.695731	2.232127	4.278221	3.014938
15241	TYR	1.703503	3.904417	2.182218	1.789197	0.073583	0.128327	0	0	0.695731	2.232127	4.278221	3.014938
15242	B3GALT2	1.703503	3.904417	2.182218	1.789197	0.073583	0.128327	0	0	0.695731	2.232127	4.278221	3.014938
15243	LOC119619	1.703503	3.904417	2.182218	1.789197	0.073583	0.128327	0	0	0.695731	2.232127	4.278221	3.014938
15449	ALDOB	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15450	CCR6	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15453	LOC103216	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15455	LOC119620	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15457	RANBP3L	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15458	LOC103220	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15459	TBC1D3B	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
15461	LOC119620	1.756034	3.904173	2.229658	1.751019	0.079943	0.13746	0	0	0.695731	6.696381	2.139111	1.004979
12571	SBSPON	3.459537	3.90364	1.705161	2.289309	0.022061	0.046648	0	0	1.391463	8.928508	6.417332	4.019918
12572	TCL1A	3.459537	3.90364	1.705161	2.289309	0.022061	0.046648	0	0	1.391463	8.928508	6.417332	4.019918
12573	KIT	3.459537	3.90364	1.705161	2.289309	0.022061	0.046648	0	0	1.391463	8.928508	6.417332	4.019918
2638	LOC119620	47.31377	3.903507	0.564179	6.91892	4.55E-12	4.59E-11	4.878777	3.284471	9.740239	82.5887	141.1813	42.20914
9710	LOC119620	6.831031	3.902973	1.333793	2.926221	0.003431	0.009394	0.542086	0	2.087194	26.78552	8.556443	3.014938
12480	LOC119620	3.177762	3.902804	1.69353	2.304538	0.021192	0.045144	0	0.547412	0.695731	2.232127	8.556443	7.034856
8673	LOC119620	6.495837	3.902052	1.215324	3.21071	0.001324	0.004059	1.084173	0	1.391463	15.62489	12.83466	8.039836
12598	LOC103240	3.407006	3.90169	1.708233	2.28405	0.022369	0.047203	0	0	1.391463	4.464254	8.556443	6.029877
7735	ZNF366	12.33917	3.9006	1.120376	3.481511	0.000499	0.001714	0	0	4.87012	35.71403	21.39111	12.05975
1310	LRRTM4	59.64114	3.900571	0.397142	9.821609	9.09E-23	1.84E-21	7.047123	7.663765	7.653045	116.0706	121.9293	97.48301
8734	KCNF1	6.674326	3.899503	1.221361	3.192752	0.001409	0.004289	0	0.547412	2.087194	13.39276	14.97377	9.044815
6706	CTSE	13.59277	3.899295	1.012094	3.852702	0.000117	0.000463	0	1.094824	4.174388	22.32127	44.92132	9.044815
12595	SIGLEC1	3.444034	3.898193	1.706092	2.284867	0.022321	0.047113	0	0	1.391463	6.696381	8.556443	4.019918
12351	LOC119620	3.266433	3.898173	1.67033	2.333774	0.019608	0.042204	0.542086	0	0.695731	8.928508	6.417332	3.014938
13365	GPR152	3.090606	3.897422	1.82658	2.133726	0.032865	0.065374	0	1.094824	0	11.16063	4.278221	2.009959
13031	LOC119620	3.036301	3.897397	1.772628	2.198655	0.027902	0.056925	1.084173	0	0	6.696381	6.417332	4.019918
10308	DYRK4	6.103699	3.895406	1.397713	2.786987	0.00532	0.013721	0	2.189647	0	11.16063	19.252	4.019918
11533	TRIM50	26.8781	3.894508	1.553395	2.507093	0.012173	0.02806	0	0.547412	9.740239	49.10679	72.72976	29.1444
15424	LOC119620	1.715811	3.892653	2.215896	1.756695	0.07897	0.136087	0	0.547412	0	4.464254	4.278221	1.004979
15425	LOC119620	1.715811	3.892653	2.215896	1.756695	0.07897	0.136087	0	0.547412	0	4.464254	4.278221	1.004979
15426	SMCO3	1.715811	3.892653	2.215896	1.756695	0.07897	0.136087	0	0.547412	0	4.464254	4.278221	1.004979
15427	LOC103225	1.715811	3.892653	2.215896	1.756695	0.07897	0.136087	0	0.547412	0	4.464254	4.278221	1.004979
6532	SCN7A	13.52777	3.892386	0.991417	3.926084	8.63E-05	0.000351	0	1.094824	4.174388	40.17829	25.66933	10.04979
15383	LOC103240	1.740531	3.89218	2.207808	1.762916	0.077915	0.134626	0	0	0.695731	4.464254	4.278221	1.004979
15384	C1QTNF8	1.740531	3.89218	2.207808	1.762916	0.077915	0.134626	0	0	0.695731	4.464254	4.278221	1.004979
15385	KLRK1	1.740531	3.89218	2.207808	1.762916	0.077915	0.134626	0	0	0.695731	4.464254	4.278221	1.004979
15386	LOC103230	1.740531	3.89218	2.207808	1.762916	0.077915	0.134626	0	0	0.695731	4.464254	4.278221	1.004979
12717	TOX3	2.984657	3.891989	1.726481	2.25429	0.024178	0.050544	0.542086	0.547412	0	2.232127	8.556443	6.029877
10358	PATE1	4.778607	3.891746	1.402764	2.774341	0.005531	0.014197	0	1.094824	0.695731	11.16063	10.69555	5.024897
10834	LOC119620	5.184565	3.890692	1.460767	2.663459	0.007734	0.018977	0	0	2.087194	11.16063	12.83466	5.024897
10835	ADAD2	5.184565	3.890692	1.460767	2.663459	0.007734	0.018977	0	0	2.087194	11.16063	12.83466	5.024897
4277	SLC34A1	33.98228	3.889945	0.752095	5.172147	2.31E-07	1.44E-06	2.168345	0	11.1317	82.5887	57.75599	50.24897
10074	LOC119620	6.99313	3.888031	1.366675	2.844884	0.004443	0.011724	0	0	2.782925	22.32127	12.83466	4.019918
8620	LOC103240	8.50547	3.887809	1.206088	3.223486	0.001266	0.003906	0	0	3.478657	15.62489	12.83466	19.09461
11818	LOC103240	5.274124	3.88706	1.590424	2.444041	0.014524	0.032672	0	0	2.087194	17.85702	10.69555	1.004979
9181	LOC119620	6.52516	3.887041	1.270078	3.060474	0.00221	0.006398	0	1.094824	1.391463	13.39276	19.252	4.019918
8077	LOC119619	8.213161	3.886702	1.146529	3.389974	0.000699	0.002301	0	1.094824	2.087194	13.39276	25.66933	7.034856
12919	FMOD	3.465559	3.886332	1.752027	2.218192	0.026542	0.05462	0	0	1.391463	6.696381	10.69555	2.009959
10929	TBXT	5.169062	3.886192	1.469255	2.645009	0.008169	0.019871	0	0	2.087194	8.928508	14.97377	5.024897
13169	LOC103230	3.022573	3.885809	1.785116	2.176783	0.029497	0.059547	0	1.094824	0	4.464254	8.556443	4.019918
10437	SYT2	42.72222	3.885375	1.408625	2.758274	0.005811	0.014801	0.542086	0.547412	15.30609	73.66019	124.0684	42.20914
7824	GRK1	7.842455	3.884857	1.122938	3.459548	0.000541	0.001839	1.084173	1.094824	0.695731	15.62489	23.53022	5.024897
2372	LOC103240	34.72315	3.884422	0.53143	7.309375	2.68E-13	3.01E-12	4.336691	2.737059	6.261582	64.73168	77.00798	53.26391
12503	LOC119620	3.236315	3.884393	1.688424	2.300603	0.021414	0.045533	0	0.547412	0.695731	4.464254	10.69555	3.014938
14654	TRIM77	3.013093	3.884102	2.048208	1.896342	0.057915	0.105068	0	1.094824	0	0	14.97377	2.009959
15601	LOC119620	1.700308	3.883504	2.245698	1.729308	0.083754	0.142728	0	0.547412	0	2.232127	6.417332	1.004979
15548	UTS2B	1.725028	3.883077	2.237459	1.735485	0.082655	0.141302	0	0	0.695731	2.232127	6.417332	1.004979
15550	LOC103230	1.725028	3.883077	2.237459	1.735485	0.082655	0.141302	0	0	0.695731	2.232127	6.417332	1.004979
15551	LOC119620	1.725028	3.883077	2.237459	1.735485	0.082655	0.141302	0	0	0.695731	2.232127	6.417332	1.004979
13095	LOC119620	3.413029	3.881292	1.773665	2.188289	0.028649	0.058157	0	0	1.391463	2.232127	12.83466	4.019918
13096	LOC119619	3.413029	3.881292	1.773665	2.188289	0.028649	0.058157	0	0	1.391463	2.232127	12.83466	4.019918
16449	LOC119619	1.684806	3.880972	2.456233	1.58005	0.114095	0.184408	0	0.547412	0	0	8.556443	1.004979
11082	ALX3	5.15356	3.880805	1.487145	2.609568	0.009066	0.021746	0	0	2.087194	6.696381	17.11289	5.024897
16414	LOC119620	1.709526	3.880639	2.446079	1.586473	0.112632	0.18238	0	0	0.695731	0	8.556443	1.004979
16415	LOC103220	1.709526	3.880639	2.446079	1.586473	0.112632	0.18238	0	0	0.695731	0	8.556443	1.004979
16416	LOC119620	1.709526	3.880639	2.446079	1.586473	0.112632	0.18238	0	0	0.695731	0	8.556443	1.004979
16417	LOC103230	1.709526	3.880639	2.446079	1.586473	0.112632	0.18238	0	0	0.695731	0		



16418	SCGB3A1	1.709526	3.880639	2.446079	1.586473	0.112632	0.18238	0	0	0.695731	0	8.556443	1.004979
8489	PRG2	10.25699	3.880254	1.190926	3.258182	0.001121	0.003511	0	0.547412	3.478657	24.5534	29.94755	3.014938
10051	TMPRSS3	6.946621	3.879674	1.361009	2.850587	0.004364	0.011542	0	0	2.782925	15.62489	19.252	4.019918
13109	LOC119618	3.450057	3.879441	1.774802	2.185844	0.028827	0.058461	0	0	1.391463	4.464254	12.83466	2.009959
11815	OTUD6A	5.243118	3.879377	1.58634	2.445489	0.014466	0.032549	0	0	2.087194	13.39276	14.97377	1.004979
5385	CUNH1orf1	18.32718	3.879016	0.867297	4.472536	7.73E-06	3.82E-05	0.542086	1.094824	5.565851	26.78552	59.8951	16.07967
215	GJB5	303.0472	3.876193	0.196779	19.69822	2.23E-86	2.76E-84	36.86187	38.31883	41.04815	622.7634	498.4128	580.8781
2977	LOC103232	26.44357	3.875413	0.600408	6.454631	1.08E-10	9.69E-10	2.710432	3.831883	3.478657	53.57105	59.8951	35.17428
11855	TREML1	5.227616	3.87516	1.591727	2.434563	0.01491	0.033435	0	0	2.087194	11.16063	17.11289	1.004979
7871	LACRT	12.12516	3.872554	1.123043	3.448267	0.000564	0.001906	0	0	4.87012	29.01765	27.80844	11.05477
5460	LOC103248	15.72026	3.872426	0.872889	4.43633	9.15E-06	4.46E-05	0	3.284471	2.782925	20.08914	47.06043	21.10457
1869	CYP17A1	45.11557	3.871877	0.46896	8.256301	1.50E-16	2.14E-15	6.505036	7.663765	2.782925	80.35657	91.98176	81.40334
5157	EXOC3L2	16.38558	3.871841	0.841875	4.599072	4.24E-06	2.19E-05	0.542086	1.094824	4.87012	26.78552	44.92132	20.09959
13337	LOC103231	3.242337	3.871177	1.808505	2.14054	0.032311	0.064407	0	0.547412	0.695731	2.232127	14.97377	1.004979
4123	ADAMTSL2	19.13879	3.870155	0.733577	5.27573	1.32E-07	8.53E-07	2.168345	1.094824	4.174388	44.64254	40.6431	22.10955
8447	LOC119621	10.32262	3.867399	1.182822	3.269637	0.001077	0.003389	0	0	4.174388	15.62489	32.08666	10.04979
697	TTN	166.7919	3.86704	0.301139	12.84137	9.62E-38	3.67E-36	15.7205	20.80165	27.82925	310.2657	400.0137	226.1204
7602	LOC103211	13.83469	3.86487	1.096506	3.524714	0.000424	0.001483	0	0	5.565851	29.01765	36.36488	12.05975
7932	FABP7	7.928557	3.86119	1.12557	3.43043	0.000603	0.00202	0	1.094824	2.087194	8.928508	21.39111	14.06971
4556	EXD1	15.6285	3.860962	0.776917	4.96959	6.71E-07	3.92E-06	1.084173	2.189647	2.782925	31.24978	36.36488	20.09959
15430	CLDN7	35.78805	3.8587	2.1983	1.755311	0.079206	0.136459	0	0	13.91463	91.51721	79.14709	30.14938
481	ENPP2	165.3467	3.858339	0.260444	14.81444	1.18E-49	6.53E-48	17.34676	23.53871	23.65487	299.105	271.6671	356.7677
6725	LOC119623	13.40092	3.857493	1.002805	3.846703	0.00012	0.000473	0	0.547412	4.87012	24.5534	36.36488	14.06971
9986	TMPRSS2	5.88713	3.856811	1.34654	2.864239	0.00418	0.011128	0	2.189647	0	13.39276	10.69555	9.044815
5317	GALNT15	14.16115	3.853855	0.854422	4.51048	6.47E-06	3.23E-05	0.542086	2.189647	2.782925	29.01765	36.36488	14.06971
10463	LOC103232	4.796417	3.853336	1.39934	2.75368	0.005893	0.014973	0.542086	0	1.391463	13.39276	6.417332	7.034856
12561	GYPA	4.716172	3.853265	1.682147	2.290684	0.021982	0.046524	0	1.094824	0.695731	20.08914	6.417332	0
9874	LOC119626	6.76708	3.850766	1.333332	2.888077	0.003876	0.010436	0	0	2.782925	20.08914	10.69555	7.034856
8346	ITK	7.408686	3.850678	1.167511	3.298195	0.000973	0.0031	1.084173	1.642235	0	11.16063	23.53022	7.034856
9460	LOC103230	6.580886	3.84996	1.285569	2.994752	0.002747	0.007719	0	0.547412	2.087194	17.85702	14.97377	4.019918
8790	PLAAT5	8.402549	3.84953	1.21207	3.175997	0.001493	0.004516	0	0	3.478657	15.62489	19.252	12.05975
10368	LOC103220	4.781801	3.848039	1.388202	2.771959	0.005572	0.014287	0	0.547412	1.391463	11.16063	8.556443	7.034856
8538	SLITRK1	13.82479	3.847603	1.185991	3.244211	0.001178	0.003667	0	0	5.565851	42.41041	29.94755	5.024897
11078	LOC119621	4.657618	3.845163	1.473319	2.609865	0.009058	0.021737	0	1.094824	0.695731	17.85702	4.019918	14.06971
6469	HEATR9	12.64127	3.84446	0.972788	3.952002	7.75E-05	0.000319	0	2.189647	2.782925	22.32127	38.50399	10.04979
10170	UNCX	8.587689	3.843702	1.362075	2.821947	0.004773	0.012479	0	0	3.478657	26.78552	19.252	2.009959
6591	SLC9A4	13.22138	3.843189	0.984266	3.904623	9.44E-05	0.000381	0	0.547412	4.87012	29.01765	27.80844	17.08465
4851	LOC103224	17.2351	3.842175	0.803669	4.780793	1.75E-06	9.57E-06	1.084173	2.189647	3.478657	31.24978	51.33866	14.06971
8061	GRID2	11.87413	3.841905	1.131344	3.395876	0.000684	0.002256	0	0	4.87012	20.08914	34.22577	12.05975
6718	CD84	11.27915	3.840433	0.997898	3.848523	0.000119	0.00047	0	1.094824	3.478657	20.08914	29.94755	13.06473
898	SERPINA3	87.90061	3.840045	0.334495	11.48014	1.66E-30	4.91E-29	9.757555	10.94824	13.91463	151.7846	188.2417	152.7569
9929	FZD10	6.705069	3.838984	1.333659	2.878535	0.003995	0.010697	0	0	2.782925	11.16063	19.252	7.034856
3727	TNFSF14	30.61167	3.838856	0.683605	5.615606	1.96E-08	1.40E-07	1.084173	2.189647	9.044508	58.0353	79.14709	34.1693
5396	LOC103224	23.22085	3.838306	0.859748	4.464456	8.03E-06	3.95E-05	0.542086	0.547412	8.348776	29.01765	72.72976	28.13943
4418	SLITRK3	24.32895	3.838214	0.757601	5.066276	4.06E-07	2.44E-06	0.542086	1.642235	7.653045	49.10679	59.8951	27.13445
4424	CD72	18.57722	3.837997	0.758267	5.06154	4.16E-07	2.50E-06	0.542086	3.284471	3.478657	42.41041	40.6431	21.10457
7384	LOC103215	9.724814	3.836895	1.063944	3.606293	0.000311	0.001118	0	0.547412	3.478657	17.85702	21.39111	15.07469
7129	MAFB	9.627291	3.836055	1.040364	3.687225	0.000227	0.000845	0.542086	0.547412	2.782925	22.32127	23.53022	8.039836
6349	LOC119618	14.01765	3.836012	0.957425	4.006591	6.16E-05	0.000258	2.710432	0	2.782925	26.78552	42.78221	9.044815
4368	ZNF660	20.24962	3.835571	0.751904	5.101142	3.38E-07	2.05E-06	2.168345	1.642235	4.174388	31.24978	64.17332	18.08963
10707	SULT6B1	4.735293	3.83449	1.425622	2.689696	0.007152	0.017757	0	0.547412	1.391463	4.464254	14.97377	7.034856
12355	BMP10	32.93817	3.833325	1.644402	2.331137	0.019746	0.042489	0	0.547412	12.52316	66.96381	83.42532	34.1693
6260	SLC39A4	12.85387	3.832686	0.947481	4.045132	5.23E-05	0.000222	1.084173	0	4.174388	31.24978	23.53022	17.08465
7326	LOC119624	11.52992	3.832362	1.057232	3.624901	0.000289	0.001049	0	0.547412	4.174388	22.32127	32.08666	10.04979
7515	LOC119618	9.729949	3.832355	1.078399	3.553743	0.00038	0.001344	0.542086	0	3.478657	15.62489	25.66933	13.06473
6989	MUC20	9.063741	3.831935	1.025106	3.738086	0.000185	0.000705	0.542086	1.642235	1.391463	8.928508	27.80844	14.06971
11505	SLC6A4	4.381866	3.831622	1.52389	2.514369	0.011925	0.027555	0	1.642235	0	8.928508	10.69555	5.024897
10678	RBM46	4.772321	3.831478	1.420334	2.69759	0.006984	0.017389	0	0.547412	1.391463	6.696381	14.97377	5.024897
7856	LOC103238	13.55568	3.83098	1.109747	3.45212	0.000556	0.001882	0	0	5.565851	40.17829	23.53022	12.05975
10803	LAMB4	4.396481	3.828727	1.433899	2.670152	0.007582	0.018658	0.542086	1.094824	0	11.16063	8.556443	5.024897
12825	LOC103233	3.056773	3.828597	1.713895	2.23858	0.025492	0.052843	0	0.547412	0.695731	8.928508	2.139111	6.029877
12826	FAAH2	3.056773	3.828597	1.713895	2.23858	0.025492	0.052843	0	0.547412	0.695731	8.928508	2.139111	6.029877
10727	LOC103216	4.647251	3.828143	1.425557	2.685367	0.007245	0.017954	0.542086	0.547412	0.695731	13.39276	10.69555	2.009959
12627	LOC103224	3.040383	3.827593	1.681868	2.275799	0.022858	0.048126	0.542086	0	0.695731	6.696381	4.278221	6.029877
11488	CACNG5	4.846377	3.826922	1.519139	2.519139	0.011764	0.027224	0	0.547412	1.391463	11.16063	14.97377	1.004979
6050	DGKK	14.16691	3.825885	0.923287	4.143766	3.42E-05	0.00015	0.542086	1.642235	3.478657	20.08914	49.19955	10.04979
6330	LOC119622	12.67547	3.825571	0.953451	4.012341	6.01E-05	0.000252	0	1.642235	3.478657	26.78552	32.08666	12.05975
6508	LOC119621	14.35735	3.824342	0.971351	3.937137	8.25E-05	0.000337	1.626259	0	4.174388	20.08914	49.19955	11.05477
12880	TRIM48	2.98874	3.823561	1.720466	2.223399	0.026256	0.054194	0	0.547412	0.695731	2.232127	6.417332	8.039836
11477	LOC119620	4.986063	3.822018	1.515432	2.522064	0.011667	0.027025	0	0	2.087194	6.696381	17.11289	4.019918
9064	LOC119628	6.295395	3.822012	1.236175	3.091804	0.001989	0.005835	0.542086	0	2.087194	13.39276	10.69555	11.05477
12926	LYZL6	3.255012	3.820497	1.723676	2.162482	0.026658	0.054829	0	0	1.391463	6.696381	6.417332	5.024897
9070	LOC103233	6.296283	3.820307	1									



8330	SHISA9	7.627398	3.816561	1.154745	3.305112	0.000949	0.00303	0	1.642235	1.391463	11.16063	23.53022	8.039836
9255	SLC35F3	8.324611	3.815474	1.254271	3.041985	0.00235	0.006751	0	0	3.478657	22.32127	17.11289	7.034856
8605	LOC119621	11.76519	3.815156	1.182313	3.226857	0.001252	0.003867	0	0	4.87012	22.32127	36.36488	7.034856
9672	LOC103241	6.422869	3.814623	1.298213	2.938366	0.003299	0.009069	0	0.547412	2.087194	22.32127	8.556443	5.024897
13103	LOC103241	3.29204	3.814588	1.743979	2.18729	0.028721	0.058273	0	0	1.391463	8.928508	6.417332	3.014938
13053	LOC119621	3.239509	3.813483	1.736788	2.19571	0.028113	0.057257	0	0	1.391463	4.464254	8.556443	5.024897
8815	LOC119621	10.00313	3.812599	1.202564	3.170392	0.001522	0.004591	0	0	4.174388	17.85702	29.94755	8.039836
8496	LOC103231	7.403288	3.809986	1.169712	3.257199	0.001125	0.003521	0.542086	1.642235	0.695731	6.696381	27.80844	7.034856
13023	LOC119621	3.115326	3.809146	1.731075	2.200451	0.027775	0.056699	0	0.547412	0.695731	11.16063	4.278221	2.009959
5171	CYP2B6	17.35965	3.808529	0.829075	4.593709	4.35E-06	2.24E-05	1.084173	0.547412	5.565851	26.78552	47.06043	23.11453
13244	ATP4B	5.044616	3.807692	1.764059	2.158484	0.03089	0.062007	0	0	2.087194	8.928508	19.252	0
10214	LOC103231	6.599583	3.806358	1.353405	2.812431	0.004917	0.012798	0	0	2.782925	20.08914	10.69555	6.029877
12922	A1CF	3.098936	3.805768	1.715961	2.217864	0.026564	0.054653	0.542086	0	0.695731	8.928508	6.417332	2.009959
6717	LTA	12.36829	3.805357	0.988657	3.849018	0.000119	0.000469	0	2.189647	2.782925	31.24978	29.94755	8.039836
11	TXNDC16	2849.389	3.804496	0.096488	39.42984	0	0	383.2551	396.8736	361.0846	5209.784	5311.412	5433.924
9524	LOC119621	6.360858	3.803211	1.277055	2.978111	0.0029	0.008096	0	0.547412	2.087194	13.39276	17.11289	5.024897
12927	LHFPL3	3.099824	3.802571	1.715619	2.216442	0.026661	0.05483	0	0.547412	0.695731	8.928508	6.417332	2.009959
7732	LOC103221	9.615871	3.802538	1.091844	3.482676	0.000496	0.001707	0	0.547412	3.478657	20.08914	23.53022	10.04979
13585	LOC119621	3.313565	3.802185	1.81754	2.09194	0.036444	0.071318	0	0	1.391463	8.928508	8.556443	1.004979
6280	ZNF831	12.18917	3.802179	0.941721	4.037477	5.40E-05	0.000229	0	2.189647	2.782925	17.85702	34.22577	16.07967
6229	PTPN5	16.11191	3.80203	0.935895	4.062452	4.86E-05	0.000207	0.542086	0.547412	5.565851	46.87467	32.08666	11.05477
13264	TUBAL3	3.261035	3.801606	1.764433	2.154576	0.031195	0.062519	0	0	1.391463	4.464254	10.69555	3.014938
13265	ADGRE3	3.261035	3.801606	1.764433	2.154576	0.031195	0.062519	0	0	1.391463	4.464254	10.69555	3.014938
13064	MYL2	3.030903	3.801387	1.732652	2.19397	0.028238	0.057463	0.542086	0	0.695731	2.232127	10.69555	4.019918
9423	DMP1	6.079083	3.800342	1.265854	3.002196	0.00268	0.007562	0	1.094824	1.391463	6.696381	19.252	8.039836
13537	SMCO1	2.922222	3.799177	1.808525	2.100705	0.035667	0.07005	0.542086	0.547412	0	11.16063	4.278221	1.004979
9074	ANGPTL4	5.953125	3.797191	1.228855	3.090023	0.002001	0.005864	1.084173	0.547412	0.695731	13.39276	14.97377	5.024897
8164	LOC119621	9.451202	3.796512	1.129991	3.359772	0.00078	0.00254	0	1.094824	2.782925	17.85702	29.94755	5.024897
13580	CLEC9A	2.870579	3.796105	1.813968	2.092708	0.036375	0.071212	0	1.094824	0	6.696381	6.417332	3.014938
13647	LOC103211	3.298063	3.795893	1.824878	2.08008	0.037518	0.073087	0	0	1.391463	6.696381	10.69555	1.004979
5566	LOC103241	13.82935	3.795355	0.864992	4.387735	1.15E-05	5.47E-05	0.542086	1.642235	3.478657	29.01765	34.22577	14.06971
14416	LOC119621	2.859324	3.793101	1.954565	1.940637	0.052302	0.096452	1.084173	0	0	2.232127	12.83466	1.004979
5389	ADAMTSL1	21.45376	3.792396	0.848459	4.469744	7.83E-06	3.86E-05	0	3.831883	4.87012	51.33892	55.61688	13.06473
14027	ABC5G	2.892104	3.79239	1.888289	2.083774	0.044604	0.084536	0	1.094824	0	6.696381	8.556443	1.004979
13581	LOC103241	3.245532	3.79223	1.812391	2.092391	0.036404	0.071261	0	0	1.391463	2.232127	12.83466	3.014938
14247	FAM205C	3.089456	3.792124	1.926644	1.968253	0.049039	0.091495	0.542086	0	0.695731	4.464254	12.83466	0
14249	ANKS4B	3.089456	3.792124	1.926644	1.968253	0.049039	0.091495	0.542086	0	0.695731	4.464254	12.83466	0
10787	LOC103231	4.62892	3.791141	1.418281	2.673053	0.007516	0.018525	0.542086	0	1.391463	13.39276	6.417332	6.029877
8395	ITIH1	7.890842	3.7909	1.154681	3.283071	0.001027	0.003252	0	0.547412	2.782925	17.85702	17.11289	9.044815
6918	LOC119621	10.76744	3.790194	1.005914	3.767911	0.000165	0.000633	0	1.642235	2.782925	22.32127	27.80844	10.04979
13669	HRH2	54.40638	3.789318	1.826324	2.074834	0.038002	0.07391	0	0.547412	21.56767	100.4457	147.5986	56.27885
15746	LOC119611	35.91648	3.788414	2.217105	1.708721	0.087503	0.147736	0	0	14.61036	69.19594	100.5382	31.15436
7312	SLC5A5	11.16738	3.787956	1.043225	3.631007	0.000282	0.001026	0	0.547412	4.174388	24.5534	25.66933	12.05975
9	EDIL3	4725.541	3.787756	0.100004	37.87598	0	0	591.9583	695.7604	626.854	8720.92	8505.104	9212.647
10920	CPA1	6.372904	3.787345	1.430848	2.646924	0.008123	0.019775	0	0.547412	2.087194	8.928508	25.66933	1.004979
12108	RAI2	4.52715	3.787176	1.588404	2.384265	0.017113	0.037566	0	1.094824	0.695731	20.08914	4.278221	1.004979
6760	F13A1	12.58868	3.786504	0.988212	3.831672	0.000127	0.000501	0	1.094824	4.174388	37.94616	19.252	13.06473
13381	LOC119621	3.053316	3.786323	1.777029	2.130704	0.033114	0.065789	0	0.547412	0.695731	2.232127	12.83466	2.009959
1099	LOC103221	78.89075	3.785868	0.359657	10.52632	6.53E-26	1.58E-24	6.505036	13.13788	12.52316	154.0168	145.4595	141.7021
9129	CTLA4	8.077036	3.785799	1.232045	3.072776	0.002121	0.006176	0	0	3.478657	20.08914	12.83466	12.05975
5973	LOC103241	12.28015	3.785426	0.906464	4.176037	2.97E-05	0.000132	1.084173	0.547412	3.478657	24.5534	29.94755	14.06971
3592	LOC103241	30.76172	3.784813	0.6578	5.753744	8.73E-09	6.46E-08	1.084173	3.284471	8.348776	66.96381	72.72976	32.15934
11826	VSTM1	4.89608	3.781494	1.547976	2.442864	0.014571	0.032756	0	0	2.087194	17.85702	6.417332	3.014938
6237	CALHM3	10.20966	3.779741	0.931415	4.058064	4.95E-05	0.000211	0.542086	1.642235	2.087194	15.62489	19.252	22.10955
11718	LOC103221	4.880577	3.778396	1.531804	2.466632	0.013639	0.030943	0	0	2.087194	15.62489	8.556443	3.014938
7706	ADGRF1	9.287163	3.777259	1.08182	3.491579	0.00048	0.001657	0	1.094824	2.782925	24.5534	19.252	8.039836
3466	RXR2	55.12309	3.775246	0.640764	5.89179	3.82E-09	2.93E-08	1.084173	3.831883	18.08902	98.21359	141.1813	68.3386
7278	PRCD	9.077669	3.774797	1.036887	3.64051	0.000272	0.000994	1.084173	0.547412	2.087194	22.32127	21.39111	7.034856
12090	GFRA2	46.30028	3.774368	1.579778	2.389176	0.016886	0.037131	0	1.642235	17.39328	75.89232	132.6249	50.24897
9521	STAR	7.487449	3.773968	1.266948	2.978786	0.002894	0.008081	0	1.642235	1.391463	8.928508	29.94755	3.014938
10962	STRA8	4.422088	3.773919	1.431293	2.636721	0.008371	0.020302	0	1.094824	0.695731	11.16063	8.556443	5.024897
11399	LOC119611	4.317027	3.773563	1.487501	2.536847	0.011186	0.026087	0	1.094824	0.695731	2.232127	12.83466	9.044815
6213	LOC103211	15.74633	3.772952	0.927565	4.067589	4.75E-05	0.000203	0.542086	0.547412	5.565851	24.5534	49.19955	14.06971
9368	LOC119611	7.977997	3.772559	1.251593	3.014206	0.002577	0.007312	0	0	3.478657	8.928508	21.39111	14.06971
11907	LOC103231	4.140313	3.77169	1.556335	2.423443	0.015374	0.034326	0	1.642235	0	4.464254	10.69555	8.039836
6193	ELFN1	15.37698	3.770479	0.924858	4.076821	4.57E-05	0.000196	0.542086	1.642235	4.174388	44.64254	34.22577	7.034856
9223	CCDC73	8.868267	3.7684	1.235856	3.049222	0.002294	0.006613	0	2.189647	1.391463	13.39276	34.22577	2.009959
5431	MYO1H	16.31215	3.768376	0.847562	4.446138	8.74E-06	4.28E-05	2.168345	1.642235	2.782925	46.87467	36.36488	8.039836
9258	CDH5	5.936569	3.76794	1.238926	3.041296	0.002356	0.006764	0	1.094824	1.391463	13.39276	10.69555	9.044815
11083	LOC103221	4.391083	3.766152	1.443202	2.60958	0.009065	0.021746	0	1.094824	0.695731	6.696381	12.83466	5.024897
46	VEPH1	1203.356	3.765886	0.123743	30.43316	2.00E-203	1.16E-200	165.3363	181.7407	146.1036	2191.949	2305.961	2229.044
17899	LOC119621	1.60404	3.765697	2.766013	1.361417	0.173382	0.25752	0	0	0.695731	8.928508	0	0
16260	LOC103241	47.17917	3										



11235	MLNR	4.212594	3.761561	1.461526	2.573721	0.010061	0.023808	1.084173	0.547412	0	8.928508	10.69555	4.019918
7180	FGF14	10.14146	3.761532	1.024562	3.671357	0.000241	0.000893	0	2.737059	1.391463	17.85702	27.80844	11.05477
16735	LOC103231	1.529984	3.759956	2.446927	1.536603	0.12439	0.197605	0	0	0.695731	4.464254	0	4.019918
16780	LOC103234	1.505264	3.759708	2.459033	1.528937	0.12628	0.200069	0	0.547412	0	4.464254	0	4.019918
12044	SPEGNB	4.343687	3.758907	1.567555	2.397942	0.016487	0.036393	0.542086	0.547412	0.695731	0	19.252	5.024897
7457	PLA2G4D	10.89482	3.757334	1.04974	3.579302	0.000345	0.001228	0	0.547412	4.174388	15.62489	29.94755	15.07469
5374	TCEAL7	16.708	3.757114	0.839048	4.477829	7.54E-06	3.73E-05	1.084173	1.094824	4.87012	26.78552	51.33866	15.07469
6113	LOC103241	11.94196	3.756574	0.913253	4.1134	3.90E-05	0.00017	1.084173	1.094824	2.782925	24.5534	32.08666	10.04979
9907	LOC119618	6.193362	3.755841	1.302712	2.883095	0.003938	0.010567	0	0.547412	2.087194	13.39276	17.11289	4.019918
5842	IYD	11.69119	3.755794	0.883161	4.252672	2.11E-05	9.61E-05	1.084173	1.642235	2.087194	22.32127	29.94755	13.06473
4664	DPEP1	17.90776	3.755357	0.765028	4.908781	9.16E-07	5.22E-06	1.084173	1.094824	5.565851	35.71403	27.80844	36.17926
16821	BMP15	1.542292	3.754901	2.467843	1.521532	0.128126	0.02499	0	0.547412	0	6.696381	0	2.009959
16781	LOC119620	1.567012	3.754647	2.45622	1.528628	0.126357	0.200166	0	0	0.695731	6.696381	0	2.009959
16782	LOC103221	1.567012	3.754647	2.45622	1.528628	0.126357	0.200166	0	0	0.695731	6.696381	0	2.009959
10286	ST6GALNA	6.037286	3.754354	1.344846	2.791662	0.005244	0.013552	0.542086	0.547412	1.391463	15.62489	17.11289	1.004979
7816	LOC103238	7.278584	3.75434	1.084593	3.461519	0.000537	0.001827	1.084173	0.547412	1.391463	15.62489	14.97377	10.04979
7657	PCARE	10.76718	3.753821	1.070117	3.507862	0.000452	0.001568	0	1.094824	3.478657	15.62489	36.36488	8.039836
10332	NYX	6.34855	3.753145	1.349467	2.781206	0.005416	0.013935	0	0	2.782925	11.16063	17.11289	7.034856
16112	CUNH6orf1	1.489761	3.752667	2.283812	1.643159	0.10035	0.165568	0	0.547412	0	2.232127	2.139111	4.019918
7535	LOC103248	14.41956	3.752535	1.057809	3.547458	0.000389	0.001372	0	0	6.261582	33.4819	25.66933	21.10457
8946	PRDM9	7.140674	3.750622	1.197158	3.132939	0.001731	0.005143	0	2.189647	0.695731	20.08914	12.83466	7.034856
7745	GRIK1	10.86382	3.750549	1.077778	3.479892	0.000502	0.001722	0	0.547412	4.174388	11.16063	34.22577	15.07469
8808	ENPP3	7.568157	3.749829	1.182168	3.171994	0.001514	0.00457	0	1.094824	2.087194	20.08914	17.11289	5.024897
8060	LOC103237	14.54269	3.749803	1.104125	3.396176	0.000683	0.002254	0	0	6.261582	35.71403	34.22577	11.05477
10859	SGS1L	6.422606	3.749646	1.410207	2.658933	0.007839	0.019191	0	0	2.782925	15.62489	17.11289	3.014938
10122	LOC119618	6.162356	3.748949	1.323603	2.832382	0.00462	0.012135	0	0.547412	2.087194	8.928508	21.39111	4.019918
8051	AQP2	9.135169	3.747464	1.102506	3.399041	0.000676	0.002233	0	1.094824	2.782925	26.78552	17.11289	7.034856
12543	GPR119	4.787561	3.746773	1.632985	2.294432	0.021766	0.046133	0	0	2.087194	2.232127	21.39111	3.014938
8912	IRX2	7.109668	3.744879	1.192234	3.141061	0.001683	0.005022	0	2.189647	0.695731	15.62489	17.11289	7.034856
9009	LOC103248	7.712978	3.744418	1.202967	3.112654	0.001854	0.005471	0.542086	0	2.782925	13.39276	23.53022	6.029877
2221	CCDC197	48.6896	3.744368	0.495063	7.563424	3.93E-14	4.70E-13	8.673382	2.189647	9.740239	100.4457	70.59065	100.4979
9017	LOC103233	7.713866	3.742905	1.203072	3.111124	0.001864	0.005495	0	0.547412	2.782925	13.39276	23.53022	6.029877
5847	ISL1	23.5728	3.740809	0.880201	4.249948	2.14E-05	9.72E-05	0	1.094824	9.044508	53.57105	55.61688	22.10955
17085	MARCHF11	1.56293	3.740593	2.520994	1.483777	0.137868	0.214516	0.542086	0	0	6.696381	2.139111	0
17086	LOC119620	1.56293	3.740593	2.520994	1.483777	0.137868	0.214516	0.542086	0	0	6.696381	2.139111	0
17079	LOC119620	1.563817	3.740569	2.520583	1.484009	0.137806	0.214458	0	0.547412	0	6.696381	2.139111	0
17080	PHOX2A	1.563817	3.740569	2.520583	1.484009	0.137806	0.214458	0	0.547412	0	6.696381	2.139111	0
17081	LOC119620	1.563817	3.740569	2.520583	1.484009	0.137806	0.214458	0	0.547412	0	6.696381	2.139111	0
17082	LOC103221	1.563817	3.740569	2.520583	1.484009	0.137806	0.214458	0	0.547412	0	6.696381	2.139111	0
17083	LOC119621	1.563817	3.740569	2.520583	1.484009	0.137806	0.214458	0	0.547412	0	6.696381	2.139111	0
17014	LOC103241	1.588537	3.739903	2.509277	1.49043	0.136111	0.212654	0	0	0.695731	6.696381	2.139111	0
17015	LOC103241	1.588537	3.739903	2.509277	1.49043	0.136111	0.212654	0	0	0.695731	6.696381	2.139111	0
17016	GSX2	1.588537	3.739903	2.509277	1.49043	0.136111	0.212654	0	0	0.695731	6.696381	2.139111	0
11654	LRRC14B	6.428629	3.739495	1.507861	2.48	0.013138	0.029971	0	0	2.782925	13.39276	21.39111	1.004979
16090	LOC119620	1.525902	3.738245	2.268295	1.648042	0.099344	0.164143	0.542086	0	0	4.464254	2.139111	2.009959
16055	PYDC5	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
16056	LOC103241	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
16057	PROK2	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
16058	ZFP57	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
16059	PCP4	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
16060	LOC119621	1.551509	3.737981	2.258301	1.655218	0.09788	0.162027	0	0	0.695731	4.464254	2.139111	2.009959
9912	TMEM239	7.958613	3.73715	1.296961	2.881466	0.003958	0.010617	0	0	3.478657	17.85702	21.39111	5.024897
16834	RBP2	1.498978	3.735935	2.459562	1.518943	0.128777	0.20337	0	0	0.695731	0	4.278221	4.019918
16870	LOC119621	1.474259	3.735596	2.472051	1.511132	0.130755	0.206041	0	0.547412	0	0	4.278221	4.019918
16871	LOC103235	1.474259	3.735596	2.472051	1.511132	0.130755	0.206041	0	0.547412	0	0	4.278221	4.019918
16872	LOC119621	1.473371	3.735583	2.472505	1.51085	0.130827	0.206142	0.542086	0	0	0	4.278221	4.019918
6461	BTX	13.56647	3.733969	0.944054	3.955251	7.65E-05	0.000315	0	1.642235	4.174388	35.71403	27.80844	12.05975
20516	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20518	LOC119618	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20520	LOC103241	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20521	LOC103221	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20522	LOC103221	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20523	LOC119624	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20524	LOC103241	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20525	LOC103231	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20526	CAVIN3	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20527	LOC119624	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20528	LOC119624	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20529	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20530	LOC103241	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20531	LOC103241	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20532	LOC103221	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20533	LOC103221	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20534	LOC119621	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0



20536	LOC103246	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20538	LOC119628	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20539	LOC119618	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20541	LOC119618	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20542	LOC103247	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20543	EBLN1	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20544	LOC119619	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20545	LOC119619	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20546	LOC103219	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20547	LOC119619	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20551	LOC119619	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20552	LOC119619	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20553	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20554	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20555	RNASE12	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20556	LOC103230	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20557	LOC103230	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20559	TEX13C	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20560	ZCCHC13	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20561	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20563	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20564	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20566	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20570	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20571	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20572	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20573	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
20574	LOC119620	0.744042	3.733414	3.964294	0.94176	0.346315	0.447515	0	0	0	4.464254	0	0
8782	LOC119618	9.377513	3.73162	1.173893	3.178843	0.001479	0.004476	0	0	4.174388	15.62489	21.39111	15.07469
12498	AJAP1	29.14206	3.729351	1.619927	2.302173	0.021325	0.045362	0	0.547412	11.82743	71.42806	59.8951	31.15436
14421	WT1	2.711675	3.728936	1.922415	1.939714	0.052414	0.096619	0.542086	0.547412	0	11.16063	0	4.019918
14959	LOC119618	3.171052	3.727908	2.021978	1.843694	0.065228	0.115922	0	0	1.391463	15.62489	0	2.009959
16139	LOC119619	1.510399	3.726773	2.273271	1.639388	0.101133	0.166591	0.542086	0	0	2.232127	4.278221	2.009959
16130	LOC103220	1.511287	3.726765	2.272915	1.639641	0.10108	0.166522	0	0.547412	0	2.232127	4.278221	2.009959
16131	LOC119624	1.511287	3.726765	2.272915	1.639641	0.10108	0.166522	0	0.547412	0	2.232127	4.278221	2.009959
16135	SERPINB2	1.511287	3.726765	2.272915	1.639641	0.10108	0.166522	0	0.547412	0	2.232127	4.278221	2.009959
16096	LOC103218	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16097	LOC119625	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16098	NMS	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16100	LOC119620	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16101	PGLYRP1	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16102	SPACA4	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
16103	LOC103220	1.536006	3.726551	2.263123	1.64664	0.099632	0.164486	0	0	0.695731	2.232127	4.278221	2.009959
17010	LOC103239	1.547427	3.726541	2.49978	1.490747	0.136028	0.212598	0.542086	0	0	4.464254	4.278221	0
17008	OXGR1	1.548315	3.726517	2.499363	1.490987	0.135965	0.212525	0	0.547412	0	4.464254	4.278221	0
14271	LOC119625	2.605726	3.726049	1.895123	1.966126	0.049284	0.09181	1.084173	0	0	2.232127	4.278221	8.039836
16961	LOC119620	1.573034	3.725845	2.487892	1.497591	0.13424	0.21036	0	0	0.695731	4.464254	4.278221	0
16962	PSAPL1	1.573034	3.725845	2.487892	1.497591	0.13424	0.21036	0	0	0.695731	4.464254	4.278221	0
16963	LOC119619	1.573034	3.725845	2.487892	1.497591	0.13424	0.21036	0	0	0.695731	4.464254	4.278221	0
16964	ZNF232	1.573034	3.725845	2.487892	1.497591	0.13424	0.21036	0	0	0.695731	4.464254	4.278221	0
16965	LOC119618	1.573034	3.725845	2.487892	1.497591	0.13424	0.21036	0	0	0.695731	4.464254	4.278221	0
11710	FGF23	4.654527	3.725005	1.508408	2.469494	0.01353	0.030718	0	0	2.087194	13.39276	6.417332	6.029877
1847	LOC103218	51.37857	3.724532	0.447793	8.317527	8.98E-17	1.29E-15	4.336691	10.94824	6.261582	87.05295	111.2338	88.43819
15363	LOC103220	2.755613	3.724354	2.108034	1.766743	0.077271	0.133706	0	1.094824	0	11.16063	4.278221	0
11211	GRIN3A	7.986161	3.724287	1.443348	2.580311	0.009871	0.023408	0	0	3.478657	15.62489	27.80844	1.004979
4954	SLC6A7	30.50869	3.722621	0.790056	4.711844	2.45E-06	1.32E-05	0	2.737059	10.43597	64.73168	77.00798	28.13943
11910	CXCR1	4.691555	3.721855	1.536174	2.422807	0.015401	0.034378	0	0	2.087194	15.62489	6.417332	4.019918
13716	UBD	3.034985	3.720034	1.800479	2.066136	0.038816	0.075197	0	0	1.391463	2.232127	8.556443	6.029877
6195	LHX5	24.97488	3.719992	0.912684	4.075884	4.58E-05	0.000197	0	1.094824	9.740239	51.33892	70.59065	17.08465
13682	LOC119619	3.124544	3.719728	1.795031	2.072237	0.038243	0.074304	0	0	1.391463	8.928508	6.417332	2.009959
13683	LOC103220	3.124544	3.719728	1.795031	2.072237	0.038243	0.074304	0	0	1.391463	8.928508	6.417332	2.009959
13539	LOC103220	3.072013	3.719385	1.770709	2.100506	0.035684	0.070059	0	0	1.391463	4.464254	8.556443	4.019918
13540	HIGD1B	3.072013	3.719385	1.770709	2.100506	0.035684	0.070059	0	0	1.391463	4.464254	8.556443	4.019918
13541	LOC119620	3.072013	3.719385	1.770709	2.100506	0.035684	0.070059	0	0	1.391463	4.464254	8.556443	4.019918
26813	LOC119620	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27164	LOC103230	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27423	GP9	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27501	LOC103220	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27689	MYMX	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27811	LOC119620	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27873	LOC119620	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
27968	LOC119628	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
28004	LOC103220	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
28012	LOC103224	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959



28135	PTF1A	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
28286	LOC103225	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
28679	LOC103215	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
28838	LOC103218	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29058	LOC103243	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29128	LOC119627	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29138	LOC103233	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29158	PRR27	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29208	LOC103225	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
29357	LOC103225	0.707014	3.718531	3.517506	1.05715	0.290443	NA	0	0	0	2.232127	0	2.009959
16926	LOC119626	1.520504	3.718063	2.474358	1.502637	0.132933	0.208792	0	0	0.695731	0	6.417332	2.009959
13387	LOC119618	2.841881	3.71666	1.745217	2.129626	0.033202	0.065926	0.542086	0	0.695731	2.232127	8.556443	5.024897
8956	CCDC60	7.571352	3.716554	1.187573	3.129537	0.001751	0.005197	0	0.547412	2.782925	20.08914	14.97377	7.034856
15333	LOC103247	2.722833	3.716324	2.095871	1.773164	0.076201	0.132127	1.084173	0	0	6.696381	8.556443	0
11247	LOC103230	4.233066	3.715952	1.445417	2.570851	0.010145	0.02398	0	1.094824	0.695731	11.16063	6.417332	6.029877
14749	KLHL33	16.20571	3.715551	1.974985	1.881306	0.05993	0.108024	0	0	6.957314	29.01765	49.19955	12.05975
17208	LOC103225	1.531924	3.71549	2.533032	1.466815	0.142426	0.219999	0.542086	0	0	2.232127	6.417332	0
17209	LOC103225	1.531924	3.71549	2.533032	1.466815	0.142426	0.219999	0.542086	0	0	2.232127	6.417332	0
17210	LOC119626	1.531924	3.71549	2.533032	1.466815	0.142426	0.219999	0.542086	0	0	2.232127	6.417332	0
17205	LOC103235	1.532812	3.715468	2.532609	1.467052	0.142362	0.219951	0	0.547412	0	2.232127	6.417332	0
17206	SLAMF1	1.532812	3.715468	2.532609	1.467052	0.142362	0.219951	0	0.547412	0	2.232127	6.417332	0
17207	LOC119627	1.532812	3.715468	2.532609	1.467052	0.142362	0.219951	0	0.547412	0	2.232127	6.417332	0
5130	HCN4	29.09209	3.715444	0.8053	4.613738	3.95E-06	2.05E-05	0.542086	1.642235	10.43597	66.96381	74.86887	20.09959
7084	AGBL1	10.34006	3.71544	1.003707	3.701717	0.000214	0.000804	0	1.094824	3.478657	17.85702	23.53022	16.07967
5177	CLVS1	16.00895	3.715002	0.809199	4.590964	4.41E-06	2.27E-05	2.168345	0.547412	4.174388	35.71403	36.36488	17.08465
17144	NEUROG1	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17145	LOC119624	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17146	LOC103225	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17147	SLC22A1	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17148	LOC119625	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17149	RNF113B	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17150	CCDC172	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
17151	HDX36	1.557532	3.714851	2.52096	1.473585	0.140593	0.217915	0	0	0.695731	2.232127	6.417332	0
7190	TESD17B6	8.449743	3.714675	1.012391	3.66921	0.000243	0.0009	0.542086	1.642235	1.391463	20.08914	14.97377	12.05975
11374	BTN1A1	4.467446	3.713661	1.460343	2.543006	0.01099	0.025688	0.542086	0	1.391463	11.16063	10.69555	3.014938
13705	LOC103225	3.109041	3.713486	1.796272	2.06733	0.038703	0.075071	0	0	1.391463	6.696381	8.556443	2.009959
13706	LOC119627	3.109041	3.713486	1.796272	2.06733	0.038703	0.075071	0	0	1.391463	6.696381	8.556443	2.009959
13397	SLCO1B3	2.842768	3.713356	1.744881	2.128143	0.033325	0.066131	0	0.547412	0.695731	2.232127	8.556443	5.024897
12220	ASCL2	4.697578	3.711084	1.570866	2.362445	0.018155	0.039496	0	0	2.087194	13.39276	10.69555	2.009959
11024	LRRRC25	4.269207	3.710831	1.413923	2.624494	0.008678	0.02093	0.542086	0.547412	0.695731	13.39276	6.417332	4.019918
6674	LOC103233	11.56569	3.710577	0.959393	3.867632	0.00011	0.000438	0	2.189647	2.782925	24.5534	27.80844	12.05975
6566	TREML2	15.01418	3.709604	0.947771	3.91403	9.08E-05	0.000368	0.542086	1.094824	4.87012	40.17829	36.36488	7.034856
8064	LOC103225	8.884136	3.709419	1.09248	3.395411	0.000685	0.002259	0	1.094824	2.782925	17.85702	23.53022	8.039836
13836	AMBN	3.05651	3.709201	1.815939	2.042581	0.041094	0.078959	0	0	1.391463	2.232127	10.69555	4.019918
13626	LOC119618	2.628139	3.708665	1.7798	2.083754	0.037183	0.072545	0.542086	0.547412	0	2.232127	6.417332	6.029877
7239	CYP4F3	10.1909	3.708512	1.014505	3.655487	0.000257	0.000943	0	1.642235	2.782925	17.85702	27.80844	11.05477
13314	LOC119627	2.878909	3.708218	1.72929	2.144358	0.032004	0.063905	0.542086	0	0.695731	4.464254	8.556443	3.014938
5518	LOC103233	24.37105	3.707604	0.841837	4.404184	1.06E-05	5.11E-05	0	1.642235	9.044508	55.80317	55.61688	24.11951
11381	LOC119615	4.254592	3.707088	1.458389	2.541907	0.011025	0.025754	0	1.094824	0.695731	11.16063	8.556443	4.019918
11450	LOC119624	4.4003	3.706392	1.467012	2.52649	0.011521	0.02675	0	0.547412	1.391463	4.464254	14.97377	5.024897
13839	RTP2	3.093538	3.706231	1.815269	2.041698	0.041181	0.079105	0	0	1.391463	4.464254	10.69555	2.009959
10948	AGBL4	4.253704	3.705963	1.403997	2.63958	0.008301	0.020157	0.542086	0.547412	0.695731	11.16063	8.556443	4.019918
396	PPP1R32	193.5744	3.705235	0.235442	15.73735	8.39E-56	5.63E-54	29.27266	21.34906	32.69937	350.4439	350.8141	376.8673
13327	ASB9	2.879796	3.704982	1.728951	2.142907	0.032121	0.064072	0	0.547412	0.695731	4.464254	8.556443	3.014938
9644	SIGLEC11	7.695535	3.704266	1.256097	2.949028	0.003188	0.008787	0	0	3.478657	13.39276	19.252	10.04979
231	TMEM140	355.6085	3.703983	0.19498	18.99675	1.81E-80	2.09E-78	52.04029	42.69812	58.44144	640.6204	586.1163	753.7346
7023	TTC22	11.73293	3.70375	0.994074	3.725828	0.000195	0.000737	0	1.642235	3.478657	17.85702	36.36488	11.05477
11481	ATP2C2	4.186558	3.703559	1.469097	2.520976	0.011703	0.027099	0	1.094824	0.695731	4.464254	12.83466	6.029877
9700	GJC3	7.583397	3.702783	1.264041	2.929321	0.003397	0.00931	0	0.547412	2.782925	15.62489	23.53022	3.014938
13586	LOC103230	2.863406	3.702326	1.769858	2.091877	0.03645	0.071322	0.542086	0	0.695731	2.232127	10.69555	3.014938
11791	LOC119627	4.258839	3.702134	1.510137	2.451523	0.014225	0.032074	1.084173	0	0.695731	8.928508	12.83466	2.009959
12301	LOC103218	4.666573	3.701999	1.579253	2.344146	0.019071	0.041216	0	0	2.087194	8.928508	14.97377	2.009959
5372	TMIE	12.63259	3.701669	0.826317	4.479721	7.47E-06	3.70E-05	1.084173	1.642235	2.782925	26.78552	21.39111	22.10955
11756	GCSAM	4.420938	3.700679	1.50577	2.457666	0.013984	0.031624	0.542086	0	1.391463	4.464254	17.11289	3.014938
14046	MMP20	2.666055	3.699932	1.844746	2.005659	0.044893	0.084969	0	1.094824	0	4.464254	6.417332	4.019918
9778	CPNE6	7.567894	3.699848	1.271774	2.909202	0.003624	0.009852	0	0.547412	2.782925	13.39276	25.66933	3.014938
11840	IL23R	4.171056	3.699613	1.51684	2.439026	0.014727	0.033067	0	1.094824	0.695731	2.232127	14.97377	6.029877
13593	LOC103236	2.864294	3.698961	1.769516	2.09038	0.036584	0.071534	0	0.547412	0.695731	2.232127	10.69555	3.014938
13595	REM1	2.864294	3.698961	1.769516	2.09038	0.036584	0.071534	0	0.547412	0.695731	2.232127	10.69555	3.014938
13596	LOC103228	2.864294	3.698961	1.769516	2.09038	0.036584	0.071534	0	0.547412	0.695731	2.232127	10.69555	3.014938
10340	A4GNT	5.728587	3.698954	1.330902	2.779283	0.005448	0.014007	0	1.094824	1.391463	4.464254	21.39111	6.029877
6679	LOC103238	16.83301	3.698458	0.956705	3.685829	0.000111	0.000441	0.542086	0	6.957314	40.17829	34.22577	19.09461
9556	FMR1NB	7.478336	3.697446	1.244426	2.971207	0.002966	0.008252	0	0.547412	2.782925	6.696381	27.80844	7.034856
14154	LOC119615	3.078035	3.697235	1.862713	1.984865	0.047159	0.088572	0	0	1.391463	2.232127	12.83466	2.009959



14115	GNG13	3.078035	3.697235	1.862713	1.984865	0.047159	0.088572	0	0	1.391463	2.232127	12.83466	2.009959
14199	LOC10324	2.703083	3.695499	1.869156	1.977095	0.048031	0.089929	0	1.094824	0	6.696381	6.417332	2.009959
19835	NROB2	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19836	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19837	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19838	HMH81	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19839	LOC10321	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19842	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19844	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19845	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19846	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19847	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19848	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19849	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19851	IFITM5	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19852	MS4A12	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19853	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19854	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19855	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19856	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19857	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19858	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19860	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19863	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19864	IQCF2	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19865	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19866	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19867	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19868	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19869	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19870	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19871	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19873	LOC10321	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19874	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19876	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19877	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19878	BHLHE23	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19879	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19880	TMEM271	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19881	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19883	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19884	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19885	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19887	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19888	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19889	LOC11961	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19890	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19891	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19892	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19894	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19895	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19896	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19897	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19898	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19899	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19900	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19901	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19902	CPXCR1	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19903	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19904	KRTAP13-1	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19905	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19906	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19908	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19909	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19911	LOC10323	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19912	TAS2R13	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19913	LOC10324	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19914	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19915	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
19916	LOC11962	0.72854	3.695342	3.535464	1.045221	0.295921	0.395012	0	0	0	2.232127	2.139111	0
26979	LOC10321	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
27036	OOSP4B	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
27120	SLURP1	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
27489	LOC10322	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918



27922	LOC119621	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
28304	ACTRT2	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
28898	LOC119621	0.669986	3.695061	4.01694	0.91987	0.357641	NA	0	0	0	0	0	4.019918
26809	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
26838	LOC119624	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27047	GLYAT	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27212	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27270	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27474	PAX4	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27589	LOC103241	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27700	ZIM2	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27799	CUNH22or	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
27853	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28203	LOC119611	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28218	TRNAA-AG	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28269	LOC119611	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28278	S100B	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28303	LOC119611	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28415	LOC103231	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28462	LOC103231	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28548	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28600	LOC103231	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28643	LOC103211	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28665	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28831	ART4	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28843	LOC119621	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
28858	KRTAP7-1	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
29126	LOC103241	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
29199	LOC103241	0.691512	3.693318	3.545337	1.041739	0.297533	NA	0	0	0	0	2.139111	2.009959
13785	LOC119621	2.901322	3.692932	1.802249	2.049069	0.040455	0.07802	0	0.547412	0.695731	4.464254	10.69555	1.004979
9909	LOC103214	9.348648	3.692304	1.28082	2.882766	0.003942	0.010575	0	0	4.174388	20.08914	27.80844	4.019918
9910	TRIM72	9.348648	3.692304	1.28082	2.882766	0.003942	0.010575	0	0	4.174388	20.08914	27.80844	4.019918
5805	ASTN1	12.8799	3.690088	0.864015	4.270862	1.95E-05	8.92E-05	1.084173	1.094824	3.478657	22.32127	34.22577	15.07469
14073	ENAM	2.885819	3.687973	1.844866	1.999047	0.045603	0.086148	0	0.547412	0.695731	2.232127	12.83466	1.004979
6746	KCNA2	9.853505	3.687233	0.960399	3.839271	0.000123	0.000486	1.626259	0.547412	2.087194	24.5534	19.252	11.05477
8882	LOC119621	14.06173	3.687016	1.171078	3.148396	0.001642	0.004915	0	0	6.261582	35.71403	36.36488	6.029877
3458	FER1L4	45.09969	3.68633	0.625201	5.896236	3.72E-09	2.86E-08	4.336691	2.189647	13.2189	93.74933	121.9293	35.17428
8843	LOC119621	9.290676	3.686088	1.167149	3.158198	0.001587	0.004772	0.542086	3.284471	0	20.08914	27.80844	4.019918
7075	PROP1	15.1769	3.685563	0.995096	3.703726	0.000212	0.000798	0	0.547412	6.261582	44.64254	23.53022	16.07967
7149	RNF222	13.41244	3.685298	1.001178	3.680962	0.000232	0.000864	1.084173	0	4.87012	31.24978	34.22577	9.044815
8195	FAM151A	8.864918	3.684348	1.100491	3.347913	0.000814	0.002641	0.542086	0	3.478657	17.85702	19.252	12.05975
8779	LOC103234	6.936681	3.682804	1.158244	3.179644	0.001475	0.004465	1.626259	0	1.391463	17.85702	10.69555	10.04979
7874	ARHGEF16	10.09479	3.682623	1.068322	3.447109	0.000567	0.001913	1.626259	0	2.782925	22.32127	27.80844	6.029877
6451	LOC119621	12.32566	3.681697	0.929826	3.959553	7.51E-05	0.000309	0.542086	3.284471	1.391463	22.32127	36.36488	10.04979
116	RASGEF1B	692.9708	3.68165	0.155202	23.72167	2.15E-124	4.94E-122	81.31296	112.7668	107.1426	1330.348	1210.737	1315.518
26598	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26625	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26648	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26672	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26685	CUNH5orf4	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26756	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26775	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26841	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26844	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26868	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26881	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26911	FCER1A	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26920	LOC103221	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26921	LOC103221	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
26964	LOC119624	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27074	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27093	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27111	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27150	FABP9	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27178	PPDPFL	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27191	TAAR5	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27199	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27267	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27278	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27352	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27361	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27464	LYG1	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27516	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27543	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0



27582	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27583	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27616	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27635	TRNAV-CA	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27688	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27705	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27768	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27920	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27934	LIPF	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
27936	CH25H	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28043	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28066	MTRNR2L	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28086	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28155	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28156	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28284	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28285	LOC103221	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28374	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28388	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28390	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28409	LOC119611	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28457	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28493	STOML3	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28513	LOC103241	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28552	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28574	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28587	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28614	SMIM21	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28642	DPPA3	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28727	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28748	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28809	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28817	LOC103221	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28917	LOC103221	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
28996	MPC1L	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29009	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29030	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29094	FABP1	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29122	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29195	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29310	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29387	LOC119621	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
29454	LOC103231	0.713037	3.680016	4.018067	0.915867	0.359737	NA	0	0	0	0	4.278221	0
6390	LOC119621	24.55698	3.679858	0.923857	3.983147	6.80E-05	0.000283	0	0.547412	10.43597	51.33892	59.8951	25.12449
2877	ITGAD	64.22726	3.679797	0.55932	6.579051	4.73E-11	4.38E-10	3.252518	4.926706	20.17621	127.2312	160.4333	69.34358
15267	DIO3	20.64623	3.679221	2.060968	1.785191	0.07423	0.129259	0	0	9.044508	35.71403	62.03421	17.08465
9050	KRT13	8.384737	3.677375	1.187568	3.09656	0.001958	0.005751	0	2.189647	1.391463	22.32127	21.39111	3.014938
7412	ESM1	13.82165	3.676387	1.022412	3.5958	0.000323	0.00116	0	3.831883	2.087194	33.4819	38.50399	5.024897
9251	GUCA1A	8.319176	3.674427	1.207644	3.04264	0.002345	0.006739	2.168345	0	1.391463	13.39276	29.94755	3.014938
6021	NWD2	20.98678	3.67439	0.884393	4.154705	3.26E-05	0.000144	0	4.926706	4.174388	46.87467	59.8951	10.04979
10166	ACP4	5.846324	3.674344	1.301964	2.822155	0.00477	0.012475	0	0.547412	2.087194	17.85702	8.556443	6.029877
2300	GUCY1A1	47.97851	3.673317	0.495634	7.411357	1.25E-13	1.44E-12	2.168345	9.306001	9.740239	73.66019	100.5382	92.45811
9612	LOC119621	10.71156	3.673139	1.241964	2.957524	0.003101	0.008577	0	0	4.87012	6.696381	40.6431	12.05975
8156	FAM3B	8.148583	3.671601	1.091591	3.363532	0.00077	0.002508	0.542086	2.189647	0.695731	22.32127	17.11289	6.029877
9814	CDHR5	7.559044	3.671486	1.26521	2.901879	0.003709	0.010048	0	0	4.876657	17.85702	14.97377	9.044815
8705	LOC119621	10.63106	3.670706	1.146696	3.201116	0.001369	0.004182	0	0	4.87012	22.32127	23.53022	13.06473
7364	C9	9.643216	3.670032	1.01611	3.611845	0.000304	0.001098	1.084173	1.642235	1.391463	15.62489	32.08666	6.029877
10097	GBX1	5.798928	3.66687	1.291537	2.839153	0.004523	0.01191	0.542086	0	2.087194	11.16063	14.97377	6.029877
4491	ATP2B2	19.13276	3.665182	0.730735	5.015745	5.28E-07	3.13E-06	1.626259	3.831883	2.782925	42.41041	47.06043	17.08465
3478	CACNG6	27.68092	3.665106	0.623337	5.879811	4.11E-09	3.14E-08	4.336691	2.189647	5.565851	66.96381	59.8951	27.13445
8574	CLEC20A	6.949614	3.664602	1.132687	3.235318	0.001215	0.003768	1.084173	0.547412	1.391463	13.39276	19.252	6.029877
841	CYP19A1	99.70743	3.663755	0.31	11.81858	3.13E-32	9.89E-31	13.01007	15.32753	15.30609	216.5163	173.268	164.8166
11800	MLXIPL	29.13851	3.663581	1.49593	2.449032	0.014324	0.032272	1.084173	0	11.82743	58.0353	72.72976	31.15436
9831	LOC119621	9.159626	3.663303	1.263682	2.898913	0.003745	0.010127	0	0	4.174388	20.08914	25.66933	5.024897
8624	RPRML	10.3088	3.662675	1.136631	3.222396	0.001271	0.003919	0	0.547412	4.174388	6.696381	36.36488	14.06971
10343	HOXB1	5.836843	3.662195	1.318023	2.778552	0.00546	0.014035	0	0.547412	2.087194	13.39276	14.97377	4.019918
7554	NT5DC4	9.915253	3.661643	1.034139	3.540764	0.000399	0.001404	1.626259	0	2.782925	26.78552	19.252	9.044815
15494	MUC5B	23.52922	3.658105	2.095859	1.745397	0.080916	0.138837	0	0	10.43597	40.17829	68.45154	22.10955
10312	WNT8A	6.963434	3.657918	1.313235	2.785425	0.005346	0.013779	0	1.642235	1.391463	8.928508	27.80844	2.009959
10898	SCT	5.976529	3.657505	1.379733	2.650878	0.008028	0.019581	0	0	2.782925	8.928508	17.11289	7.034856
10900	CHRNA4	5.976529	3.657505	1.379733	2.650878	0.008028	0.019581	0	0	2.782925	8.928508	17.11289	7.034856
10537	LOC103221	5.80495	3.656897	1.335786	2.737638	0.006188	0.015613	0.542086	0	2.087194	8.928508	19.252	4.019918
9327	CCDC188	10.6121	3.656	1.208891	3.024259	0.002492	0.007105	0	0	4.87012	13.39276	36.36488	9.044815
7993	LOC103221	10.28685	3.655957	1.070613	3.414826	0.000638	0.002123	0	0.547412	4.174388	24.5534	21.39111	11.05477



11996	LOC119624	4.418997	3.654113	1.517962	2.40725	0.016073	0.035621	0	0	2.087194	6.696381	10.69555	7.034856
4512	TTBK1	25.77445	3.654009	0.729878	5.006331	5.55E-07	3.27E-06	0.542086	2.737059	8.348776	60.26743	55.61688	27.13445
11527	LOC103237	4.278424	3.65395	1.456823	2.508163	0.012136	0.02799	0.542086	0	1.391463	11.16063	8.556443	4.019918
10363	SIGLEC5	5.378354	3.650936	1.316256	2.773728	0.005542	0.014217	0	1.642235	0.695731	8.928508	14.97377	6.029877
4318	EXOC3L4	21.03718	3.650208	0.709805	5.142549	2.71E-07	1.67E-06	2.168345	1.094824	6.261582	44.64254	44.92132	27.13445
11051	LOC119625	5.827363	3.649796	1.39555	2.615311	0.008915	0.021446	0	0.547412	2.087194	8.928508	21.39111	2.009959
10633	CCDC175	5.613621	3.649461	1.346434	2.710465	0.006719	0.016799	0	1.094824	1.391463	8.928508	19.252	3.014938
6822	SLFN14	12.85344	3.649185	0.957899	3.809572	0.000139	0.000542	0	1.642235	4.174388	35.71403	23.53022	12.05975
12083	LOC103235	4.118101	3.64882	1.526453	2.390391	0.01683	0.03703	0	1.094824	0.695731	15.62489	4.278221	3.014938
11896	KCNMB2	3.761382	3.648788	1.504018	2.426027	0.015265	0.034114	0.542086	1.094824	0	4.464254	6.417332	10.04979
6602	ERG	23.87857	3.64876	0.935156	3.901765	9.55E-05	0.000385	1.084173	0	9.740239	44.64254	72.72976	15.07469
5559	LOC119627	23.36127	3.648525	0.831213	4.389397	1.14E-05	5.44E-05	1.626259	0	9.044508	46.87467	53.47777	29.1444
11886	BARHL1	4.17425	3.648341	1.502232	2.428612	0.015157	0.033901	0	0.547412	1.391463	2.232127	12.83466	8.039836
11558	TFAP2D	4.263809	3.647332	1.45716	2.503041	0.012313	0.028319	0	0.547412	1.391463	8.928508	10.69555	4.019918
11559	LOC119627	4.263809	3.647332	1.45716	2.503041	0.012313	0.028319	0	0.547412	1.391463	8.928508	10.69555	4.019918
12479	LINC02694	3.81816	3.643451	1.580826	2.304777	0.021179	0.045119	1.626259	0	0	6.696381	8.556443	6.029877
8680	LOC103215	8.354264	3.643206	1.13548	3.208515	0.001334	0.004086	1.626259	0	2.087194	17.85702	23.53022	5.024897
6875	LOC119620	16.22635	3.641971	0.961545	3.787624	0.000152	0.000588	0	0.547412	6.957314	31.24978	38.50399	20.09959
13963	SLC46A2	2.861466	3.641519	1.803584	2.019046	0.043482	0.082789	0	0	1.391463	4.464254	4.278221	7.034856
100	PTGER3	521.9578	3.641159	0.149899	24.29071	2.46E-130	6.47E-128	80.77087	75.54283	75.83472	1015.618	926.2349	957.7454
8459	MPIG6B	8.496612	3.640294	1.114788	3.265458	0.001093	0.003435	0	1.094824	2.782925	13.39276	25.66933	8.039836
5749	OXTR	11.79836	3.640269	0.846506	4.300347	1.71E-05	7.89E-05	1.626259	1.642235	2.087194	22.32127	14.97377	28.13943
11849	CD37	4.231916	3.640183	1.493944	2.436626	0.014825	0.033262	0.542086	0	1.391463	4.464254	14.97377	4.019918
12625	LOC103227	3.873353	3.639429	1.598785	2.276371	0.022824	0.048061	0	1.642235	0	11.16063	6.417332	4.019918
9668	LOC103240	7.075148	3.63868	1.237563	2.940197	0.00328	0.009019	0	1.094824	2.087194	24.5534	10.69555	4.019918
13408	LOC103225	49.02697	3.638515	1.711948	2.125366	0.033556	0.066534	0	1.094824	20.87194	87.05295	136.9031	48.23901
12444	LOC103234	4.462048	3.638421	1.574031	2.311531	0.020804	0.04444	0	0	2.087194	6.696381	14.97377	3.014938
12445	ANGPTL1	4.462048	3.638421	1.574031	2.311531	0.020804	0.04444	0	0	2.087194	6.696381	14.97377	3.014938
8915	ZNFB62	12.01161	3.637524	1.158423	3.140065	0.001689	0.005037	0	0	5.565851	20.08914	36.36488	10.04979
11993	ZIC1	36.14111	3.636871	1.510418	2.407858	0.016046	0.03557	0	1.642235	14.61036	71.42806	91.98176	37.18424
13751	LOC103247	2.684752	3.636732	1.767287	2.057805	0.039609	0.076576	0	0.547412	0.695731	6.696381	2.139111	6.029877
9332	LOC119618	8.875023	3.636405	1.202769	3.02336	0.0025	0.007122	0	0	4.174388	15.62489	21.39111	12.05975
7954	TNK1	13.27144	3.634396	1.061489	3.423865	0.000617	0.002063	0	0.547412	5.565851	31.24978	34.22577	8.039836
9417	LOC103215	7.057241	3.63404	1.210003	3.00333	0.00267	0.007539	0	0.547412	2.782925	6.696381	19.252	13.06473
12602	RDH8	3.857851	3.633906	1.592285	2.282195	0.022478	0.047419	0	1.642235	0	8.928508	8.556443	4.019918
11408	LOC119627	4.018174	3.633856	1.433804	2.534416	0.011263	0.02625	0.542086	0.547412	0.695731	4.464254	12.83466	5.024897
5419	PAX5	26.0159	3.633852	0.816365	4.451261	8.54E-06	4.19E-05	0.542086	1.642235	9.740239	33.4819	85.56443	25.12449
7392	LOC119627	11.43213	3.633686	1.008755	3.60215	0.000316	0.001135	0	1.094824	4.174388	22.32127	29.94755	11.05477
12373	CLUL1	5.743827	3.633389	1.561414	2.326986	0.019966	0.0429	0	0.547412	2.087194	0	27.80844	4.019918
11856	ZP2	4.019062	3.633193	1.492396	2.43447	0.014914	0.033441	0	1.094824	0.695731	4.464254	12.83466	5.024897
6579	HEPH	10.77788	3.632439	0.929201	3.909209	9.26E-05	0.000374	2.168345	0.547412	2.087194	17.85702	29.94755	12.05975
5293	FRMPD4	30.13446	3.632184	0.803359	4.521247	6.15E-06	3.09E-05	0	3.284471	10.43597	66.96381	77.00798	23.11453
9864	ZP3	6.420892	3.631749	1.256506	2.890356	0.003848	0.010371	2.168345	0.547412	0	20.08914	10.69555	5.024897
14037	GCG	2.935522	3.6317	1.80976	2.00673	0.044778	0.084789	0	0	1.391463	8.928508	4.278221	3.014938
14039	LOC103237	2.935522	3.6317	1.80976	2.00673	0.044778	0.084789	0	0	1.391463	8.928508	4.278221	3.014938
9585	LOC103238	8.881045	3.630626	1.224798	2.964265	0.003034	0.008414	0	0	4.174388	13.39276	25.66933	10.04979
6759	LOC103237	13.82803	3.630501	0.947471	3.831781	0.000127	0.0005	0	2.737059	3.478657	33.4819	34.22577	9.044815
12473	CIBAR2	4.093118	3.63028	1.57423	2.306067	0.021107	0.044987	0	1.094824	0.695731	8.928508	12.83466	1.004979
3427	SYT16	34.10635	3.629717	0.613317	5.918173	3.26E-09	2.53E-08	3.252518	4.379295	7.653045	66.96381	96.25998	26.12947
9577	LOC103237	10.4446	3.628257	1.223012	2.966657	0.003011	0.008357	0	0	4.87012	13.39276	36.36488	8.039836
13069	LOC103214	3.863873	3.627944	1.654005	2.19343	0.028276	0.05752	0	1.642235	0	6.696381	12.83466	2.009959
13815	LOC103227	2.72178	3.627637	1.773737	2.045195	0.040836	0.078582	0	0.547412	0.695731	8.928508	2.139111	4.019918
9228	POTEA	6.923578	3.627167	1.190069	3.047864	0.002305	0.00664	0	1.094824	2.087194	8.928508	21.39111	8.039836
4735	LOC103224	20.74566	3.626863	0.746503	4.858473	1.18E-06	6.64E-06	2.168345	1.094824	6.261582	26.78552	62.03421	26.12947
13982	LOC103245	2.920019	3.626	1.799332	2.015192	0.043885	0.083441	0	0	1.391463	6.696381	6.417332	3.014938
657	SEMA5B	129.8758	3.625878	0.27714	13.08319	4.11E-39	1.66E-37	21.68345	14.78012	22.2634	218.7484	254.5542	247.2249
867	MYL3	126.6695	3.625348	0.309956	11.69632	1.33E-31	4.08E-30	15.7205	24.63353	16.69755	254.4625	171.1289	277.3743
10335	FBP2	7.39757	3.625307	1.303676	2.780833	0.005422	0.013947	0	0	3.478657	15.62489	19.252	6.029877
7531	MYO3B	9.592827	3.625253	1.021614	3.548554	0.000387	0.001367	0	1.642235	2.782925	13.39276	25.66933	14.06971
489	NID2	156.1515	3.624113	0.245712	14.74943	3.10E-49	1.69E-47	23.30971	20.80165	26.43779	283.4801	299.4755	283.4042
15175	REC114	2.795836	3.624094	2.012031	1.801212	0.071669	0.125557	0	0.547412	0.695731	13.39276	2.139111	0
8844	LOC119625	6.693446	3.624056	1.147538	3.158115	0.001588	0.004773	0.542086	1.094824	1.391463	6.696381	21.39111	9.044815
7716	MYH4	15.99579	3.622601	1.038421	3.488569	0.000486	0.001673	0	1.094824	6.261582	31.24978	51.33866	6.029877
13646	LOC119627	2.706277	3.62161	1.740966	2.08023	0.037504	0.073066	0	0.547412	0.695731	6.696381	4.278221	4.019918
14202	LOC103235	2.867488	3.621102	1.832362	1.976194	0.048133	0.090101	0	0	1.391463	2.232127	8.556443	5.024897
3748	CUNH1orf	31.58087	3.620531	0.646968	5.596156	2.19E-08	1.55E-07	2.710432	3.284471	8.348776	58.0353	91.98176	25.12449
14089	LOC103220	2.758808	3.61988	1.812837	1.996804	0.045846	0.086509	0	0.547412	0.695731	11.16063	2.139111	2.009959
8470	BARX2	8.472259	3.619702	1.109496	3.262474	0.001104	0.003467	0	0.547412	3.478657	15.62489	17.11289	14.06971
14987	LOC119627	2.779446	3.618722	1.970486	1.836462	0.066289	0.117589	0.542086	0	0.695731	11.16063	4.278221	0
5831	SGIP1	27.79686	3.616678	0.849414	4.257853	2.06E-05	9.41E-05	0.542086	0.547412	11.82743	66.96381	57.75599	29.1444
10970	SIGLEC6	5.80301	3.616589	1.372364	2.635299	0.008406	0.020372	0	0	2.782925	11.16063	12.83466	8.039836
10627	TRIM17	7.21243	3.615701	1.333364	2.711713	0.006694	0.016745	0	0	3.478657	4.464254	19.252	16.07967
13868	ANKRD33	2.742418	3.615226	1.775384	2.036307								



13668	LOC103232	2.690775	3.615157	1.742301	2.074932	0.037993	0.073898	0	0.547412	0.695731	4.464254	6.417332	4.019918
7194	LOC103220	8.976487	3.613409	0.984965	3.668567	0.000244	0.000901	1.626259	1.642235	0.695731	11.16063	25.66933	13.06473
11322	SFRP5	5.877066	3.61313	1.415617	2.552335	0.0107	0.025125	0	0	2.782925	15.62489	12.83466	4.019918
5880	PRKCB	29.26137	3.612773	0.855093	4.225007	2.39E-05	0.000108	0.542086	0.547412	12.52316	55.80317	77.00798	29.1444
7693	CYP2W1	8.108464	3.612558	1.033386	3.495847	0.000473	0.001633	0.542086	1.094824	2.087194	15.62489	19.252	10.04979
11052	LOC119620	5.787507	3.612246	1.381227	2.615245	0.008916	0.021446	0	0	2.782925	8.928508	14.97377	8.039836
14947	LOC103245	2.763943	3.610673	1.955799	1.846137	0.064872	0.115383	0.542086	0	0.695731	8.928508	6.417332	0
15158	LOC103225	2.566591	3.610174	2.000566	1.804576	0.071141	0.124771	0	1.094824	0	11.16063	2.139111	1.004979
13279	LOXHD1	49.35588	3.609859	1.677706	2.151663	0.031424	0.062912	0	1.642235	20.87194	102.6778	134.764	36.17926
9055	CCDC177	8.573863	3.607641	1.165896	3.094308	0.001973	0.005792	0	0.547412	3.478657	17.85702	23.53022	6.029877
6251	LOC103225	16.72024	3.60647	0.890433	4.050242	5.12E-05	0.000218	0	2.189647	5.565851	35.71403	42.78221	14.06971
5240	DNAH8	17.76367	3.6056	0.790921	4.558733	5.15E-06	2.61E-05	1.626259	1.642235	4.87012	46.87467	38.50399	13.06473
5904	LHFPL1	24.2674	3.604238	0.856196	4.209594	2.56E-05	0.000115	0	1.642235	9.740239	33.4819	70.59065	30.14938
14602	THEMIS2	2.926042	3.604142	1.891602	1.905338	0.056736	0.103289	0	0	1.391463	4.464254	10.69555	1.004979
418	MYOM2	198.6756	3.604052	0.23299	15.46868	5.65E-54	3.59E-52	34.15144	31.20247	25.04633	372.7652	320.8666	408.0217
6447	PLEKHS1	15.59276	3.602339	0.909424	3.96112	7.46E-05	0.000308	0.542086	0.547412	6.261582	40.17829	29.94755	16.07967
60	TMEM86A	846.4103	3.601035	0.127683	28.2029	5.39E-175	2.39E-172	124.1378	129.7366	133.5804	1497.757	1555.133	1638.117
10683	LOC119625	5.027234	3.599423	1.335268	2.695656	0.007025	0.017482	0.542086	1.642235	0	13.39276	8.556443	6.029877
14894	SLC34A2	2.910539	3.595442	1.937843	1.855383	0.063541	0.113418	0	0	1.391463	2.232127	12.83466	1.004979
13079	LOC103235	4.35054	3.595284	1.640866	2.191089	0.028445	0.05782	0	0	2.087194	17.85702	2.139111	4.019918
11859	RTP5	5.719474	3.59397	1.476464	2.434174	0.014926	0.03346	0	0	2.782925	2.232127	19.252	10.04979
13172	KCNC2	23.71604	3.593765	1.651497	2.176065	0.02955	0.059642	0	0.547412	10.43597	44.64254	70.59065	16.07967
14867	LOC103230	2.48128	3.593393	1.932206	1.859736	0.062923	0.112518	1.084173	0	0	2.232127	8.556443	3.014938
8942	GLDN	9.594968	3.591721	1.146055	3.133987	0.001724	0.005127	0	1.642235	2.782925	22.32127	27.80844	3.014938
3731	LOC119615	39.85164	3.589968	0.639854	5.610602	2.02E-08	1.44E-07	1.084173	4.379295	13.2189	73.66019	100.5382	46.22906
22	ABCC2	8111.442	3.589561	0.099261	36.16302	2.32E-286	2.81E-283	1206.142	1323.642	1203.615	14258.83	14272.15	16404.28
10520	KRT27	5.231496	3.589198	1.310111	2.739614	0.006151	0.015544	0.542086	1.094824	0.695731	8.928508	17.11289	3.014938
497	DGAT2	155.116	3.588657	0.244705	14.66525	1.08E-48	5.76E-47	21.14137	24.08612	26.43779	285.7123	290.9191	282.3992
4858	PRSS42P	15.4796	3.58797	0.751548	4.774107	1.81E-06	9.88E-06	2.710432	2.189647	2.087194	35.71403	32.08666	18.08963
15265	CARD17	2.502805	3.587662	2.00954	1.785315	0.07421	0.129242	1.084173	0	0	2.232127	10.69555	1.004979
15049	LOC119624	2.681294	3.587409	1.966667	1.824106	0.068136	0.120351	0	0.547412	0.695731	0	12.83466	2.009959
16166	LOC119624	2.489078	3.586494	2.195929	1.633247	0.102417	0.168425	0	1.094824	0	0	12.83466	1.004979
6209	OPN5	16.59685	3.586356	0.881333	4.069243	4.72E-05	0.000202	0	1.642235	6.261582	26.78552	42.78221	22.10955
14890	BPIFB6	2.483055	3.58593	1.931442	1.856608	0.063367	0.11314	0	1.094824	0	2.232127	8.556443	3.014938
10376	LOC103214	7.156017	3.585197	1.294219	2.770164	0.005603	0.014356	0	0	3.478657	11.16063	19.252	9.044815
8450	LOC103248	7.84088	3.584547	1.096585	3.268826	0.00108	0.003398	1.084173	1.094824	1.391463	29.01765	6.417332	8.039836
15051	LOC119625	2.520083	3.583285	1.964373	1.824137	0.068131	0.120351	0	1.094824	0	4.464254	8.556443	1.004979
12056	ESX1	3.876548	3.582832	1.495758	2.395328	0.016606	0.036617	0	1.094824	0.695731	11.16063	4.278221	6.029877
9492	LOC119620	6.59487	3.582639	1.199732	2.986199	0.002825	0.007911	0	1.642235	1.391463	13.39276	17.11289	6.029877
7261	SDK1	12.15271	3.582293	0.981627	3.649342	0.000263	0.000963	0	2.189647	3.478657	37.94616	19.252	10.04979
4251	BTNL9	47.72277	3.581865	0.690499	5.187355	2.13E-07	1.33E-06	1.084173	3.284471	18.08902	113.8385	104.8164	45.22408
11837	LOC119620	4.059284	3.580923	1.468041	2.439253	0.014718	0.033052	0	0.547412	1.391463	6.696381	10.69555	5.024897
11838	PRTN3	4.059284	3.580923	1.468041	2.439253	0.014718	0.033052	0	0.547412	1.391463	6.696381	10.69555	5.024897
7472	PATL2	20.15144	3.578173	1.001848	3.571574	0.000355	0.001263	0	0.547412	9.044508	26.78552	68.45154	16.07967
12591	LOC103234	4.273026	3.577599	1.565282	2.285594	0.022278	0.047031	0	0	2.087194	6.696381	12.83466	4.019918
12592	CUNH2orf8	4.273026	3.577599	1.565282	2.285594	0.022278	0.047031	0	0	2.087194	6.696381	12.83466	4.019918
12593	GSX1	4.273026	3.577599	1.565282	2.285594	0.022278	0.047031	0	0	2.087194	6.696381	12.83466	4.019918
10487	TNFSF8	5.436387	3.577562	1.30205	2.747638	0.006003	0.015217	0.542086	0	2.087194	13.39276	8.556443	8.039836
8920	LOC119620	8.347813	3.577416	1.139593	3.139206	0.001694	0.005049	0	0.547412	3.478657	15.62489	21.39111	9.044815
8651	LOC119624	7.97622	3.577023	1.112537	3.215195	0.001304	0.004006	1.626259	0	2.087194	17.85702	19.252	7.034856
10542	LOC103244	6.975846	3.574834	1.306736	2.735696	0.006225	0.015698	0	0.547412	2.782925	6.696381	27.80844	4.019918
12141	PSMB11	4.079922	3.573197	1.502291	2.378499	0.017383	0.038064	0.542086	0	1.391463	6.696381	12.83466	3.014938
10461	OTX2	5.421772	3.572744	1.2973	2.753985	0.005887	0.014962	0	0.547412	2.087194	11.16063	10.69555	8.039836
14238	SUN3	4.362585	3.572651	1.814248	1.969219	0.048928	0.091358	0	0	2.087194	13.39276	10.69555	0
17716	PRR32	1.325459	3.571452	2.584426	1.381913	0.166998	0.250601	0	0	0.695731	2.32127	0	5.024897
6855	LOC119625	21.43688	3.570894	0.941262	3.79373	0.000148	0.000576	0	0.547412	9.740239	53.57105	40.6431	24.11951
12785	NODAL	4.257523	3.570882	1.592624	2.242137	0.024953	0.051882	0	0	2.087194	4.464254	14.97377	4.019918
12786	LOC103225	4.257523	3.570882	1.592624	2.242137	0.024953	0.051882	0	0	2.087194	4.464254	14.97377	4.019918
8816	LOC119625	14.49115	3.570779	1.126352	3.170215	0.001523	0.004593	0	0	6.957314	35.71403	34.22577	10.04979
5885	LOC119618	28.16238	3.570777	0.845799	4.221778	2.42E-05	0.000109	0	1.642235	11.82743	40.17829	79.14709	36.17926
8308	SLC24A4	7.894459	3.568773	1.077782	3.31122	0.000929	0.002972	0.542086	1.094824	2.087194	8.928508	25.66933	9.044815
12070	LOC103245	3.882571	3.567578	1.490409	2.393691	0.01668	0.036735	0	1.094824	0.695731	8.928508	8.556443	4.019918
11462	FAM181A	5.688044	3.566265	1.412791	2.524268	0.011594	0.026892	0	0	2.782925	15.62489	10.69555	5.024897
17584	LOC103235	1.362487	3.566058	2.542093	1.402804	0.160675	0.242916	0	0	0.695731	4.464254	0	3.014938
17658	CHRNA6	1.337767	3.565938	2.556482	1.394862	0.163058	0.245491	0	0.547412	0	4.464254	0	3.014938
10151	LOC119620	6.88932	3.563607	1.261288	2.825372	0.004723	0.012368	0	0.547412	2.782925	24.5534	6.417332	7.034856
10247	LOC103225	8.58308	3.563223	1.271074	2.803317	0.005058	0.013123	0	0	4.174388	15.62489	25.66933	6.029877
9982	ACKR2	8.450471	3.562415	1.243018	2.865941	0.004158	0.011073	0	0	4.174388	8.928508	23.53022	14.06971
5641	PEX5L	23.43914	3.561201	0.818029	4.353391	1.34E-05	6.32E-05	1.626259	0.547412	9.044508	53.57105	57.75599	18.08963
4516	ISLR	21.32754	3.560751	0.711772	5.002655	5.65E-07	3.33E-06	1.626259	1.642235	6.957314	42.41041	49.19955	26.12947
8754	IL17REL	9.737848	3.560496	1.117224	3.186912	0.001438	0.004367	0	0.547412	4.174388	17.85702	27.80844	8.039836
17844	LOC119624	1.374795	3.560158	2.59969	1.369455	0.170857	0.254538	0	0.547412	0	6.696381	0	1.004979
17845	LOC119615	1.374795	3.560158	2.59969	1.369455	0.170857	0.254538	0	0.547412				



593	HLF	154.3509	3.55987	0.260275	13.67735	1.39E-42	6.22E-41	24.93597	24.63353	22.95914	225.4448	316.5884	311.5436
17756	LOC119624	1.399515	3.559643	2.586001	1.376505	0.168665	0.252436	0	0	0.695731	6.696381	0	1.004979
17766	GNAT3	1.399515	3.559643	2.586001	1.376505	0.168665	0.252436	0	0	0.695731	6.696381	0	1.004979
17801	PRR19	1.399515	3.559643	2.586001	1.376505	0.168665	0.252436	0	0	0.695731	6.696381	0	1.004979
17809	KLRF1	1.399515	3.559643	2.586001	1.376505	0.168665	0.252436	0	0	0.695731	6.696381	0	1.004979
11836	LOC103226	3.850678	3.559104	1.459053	2.439325	0.014715	0.033051	0.542086	0.547412	0.695731	4.464254	12.83466	4.019918
10058	GAPDHS	10.05063	3.558559	1.248865	2.849436	0.00438	0.011575	0	0	4.87012	29.01765	21.39111	5.024897
10059	LOC119624	10.05063	3.558559	1.248865	2.849436	0.00438	0.011575	0	0	4.87012	29.01765	21.39111	5.024897
6778	ANKFN1	18.08566	3.556265	0.92972	3.825094	0.000131	0.000513	0	1.094824	7.653045	33.4819	49.19955	17.08465
12525	TMIGD1	3.888593	3.556111	1.548372	2.296677	0.021637	0.045926	0	1.094824	0.695731	6.696381	12.83466	2.009959
6345	ATP1A4	22.39315	3.556061	0.887263	4.007899	6.13E-05	0.000257	0	1.094824	9.740239	51.33892	47.06043	25.12449
5875	KCNK3	11.36045	3.555612	0.840866	4.22851	2.35E-05	0.000106	1.626259	1.642235	2.087194	22.32127	21.39111	19.09461
16880	LOC119624	1.346985	3.555223	2.355438	1.509368	0.131205	0.206612	0	0	0.695731	2.232127	2.139111	3.014938
16883	LOC119624	1.346985	3.555223	2.355438	1.509368	0.131205	0.206612	0	0	0.695731	2.232127	2.139111	3.014938
16934	LOC119619	1.322265	3.555028	2.367436	1.501636	0.133191	0.209087	0	0.547412	0	2.232127	2.139111	3.014938
16935	LOC103234	1.322265	3.555028	2.367436	1.501636	0.133191	0.209087	0	0.547412	0	2.232127	2.139111	3.014938
8516	RNF17	8.7353	3.554192	1.092685	3.252715	0.001143	0.003568	2.710432	0.547412	0.695731	15.62489	27.80844	5.024897
33	VAV3	1832.028	3.55405	0.10802	32.90192	2.06E-237	1.66E-234	274.8378	309.8351	277.5968	3430.779	3227.918	3471.199
42	CSF1	10326.51	3.553675	0.113002	31.44777	4.50E-217	2.85E-214	1470.68	1828.903	1563.308	18542.28	17641.25	20912.62
8122	MFAP4	9.761638	3.55244	1.053396	3.372369	0.000745	0.00244	1.626259	2.737059	0	26.78552	21.39111	6.029877
11114	FCRL5	5.396789	3.552111	1.366073	2.600236	0.009316	0.022286	0	0.547412	2.087194	4.464254	19.252	6.029877
15394	LOC103234	19.00961	3.551231	2.016911	1.760728	0.078284	0.135195	0	0	9.044508	35.71403	49.19955	20.09959
11363	PABPN1L	8.595125	3.549985	1.394712	2.545318	0.10918	0.025542	0	0	4.174388	11.16063	34.22577	2.009959
4373	JPH2	27.59015	3.549693	0.696222	5.098509	3.42E-07	2.08E-06	3.252518	2.189647	7.653045	44.64254	87.70354	20.09959
8792	SIX6	7.888012	3.54952	1.117641	3.175905	0.001494	0.004517	0.542086	1.094824	2.087194	29.01765	8.556443	6.029877
16113	GPR174	13.14071	3.549145	2.159927	1.643178	0.100346	0.165568	0	0	6.261582	26.78552	42.78221	3.014938
11753	LOC103244	4.808094	3.54691	1.442981	2.458043	0.01397	0.031599	0	2.189647	0	8.928508	10.69555	7.034856
9103	SLC1A6	8.211322	3.546449	1.150454	3.082651	0.002052	0.005992	0	0.547412	3.478657	20.08914	17.11289	8.039836
9771	DNAI2	8.300881	3.546164	1.218347	2.910636	0.003607	0.009814	0	0.547412	3.478657	26.78552	14.97377	4.019918
5804	SCN11A	18.3092	3.544199	0.829631	4.27202	1.94E-05	8.87E-05	0.542086	3.284471	4.87012	33.4819	55.61688	12.05975
9707	TCIM	8.269875	3.541476	1.209864	2.92717	0.003421	0.009368	0	0.547412	3.478657	22.32127	19.252	4.019918
11142	LOC103215	5.043361	3.540783	1.365361	2.593295	0.009506	0.022682	0	1.642235	0.695731	8.928508	14.97377	4.019918
14607	FCN3	2.709472	3.540693	1.858835	1.904792	0.056807	0.103356	0	0	1.391463	6.696381	2.139111	6.029877
13091	NTRK3	49.8184	3.540648	1.617507	2.188954	0.0286	0.058081	0	2.189647	21.56767	82.5887	143.3204	49.24399
3480	LOC103224	29.30027	3.539984	0.602249	5.877943	4.15E-09	3.17E-08	5.420864	1.094824	7.653045	58.0353	51.33866	52.25893
6958	CNTN4	20.79592	3.539225	0.942997	3.753166	0.000175	0.000667	1.084173	0	9.044508	31.24978	66.31243	17.08465
8628	LOC119624	7.73733	3.539	1.098901	3.22049	0.00128	0.003943	0	1.642235	2.087194	13.39276	19.252	10.04979
17702	LOC103235	1.331482	3.538773	2.557529	1.383669	0.16646	0.249977	0	0	0.695731	0	4.278221	3.014938
17703	LOC103244	1.331482	3.538773	2.557529	1.383669	0.16646	0.249977	0	0	0.695731	0	4.278221	3.014938
17764	GHRL	1.306762	3.538539	2.57243	1.375563	0.168957	0.252436	0	0.547412	0	0	4.278221	3.014938
17776	LOC119624	1.305874	3.538531	2.572973	1.375269	0.169048	0.252436	0.542086	0	0	0	4.278221	3.014938
14344	LOC103230	2.47934	3.53811	1.810991	1.953687	0.050738	0.094041	0.542086	0	0.695731	4.464254	2.139111	7.034856
9338	GALNT8	7.884555	3.537646	1.170632	3.021996	0.002511	0.007149	0.542086	1.094824	2.087194	22.32127	19.252	2.009959
8572	LOC119614	7.427748	3.537497	1.093312	3.23558	0.001214	0.003765	1.626259	1.094824	0.695731	24.5534	8.556443	8.039836
9655	DRD4	6.462627	3.537481	1.200944	2.945584	0.003223	0.008876	1.084173	0.547412	1.391463	15.62489	17.11289	3.014938
17093	LOC119624	1.359293	3.537243	2.385559	1.482773	0.138135	0.21483	0	0.547412	0	4.464254	2.139111	1.004979
17094	CUNHXorf	1.359293	3.537243	2.385559	1.482773	0.138135	0.21483	0	0.547412	0	4.464254	2.139111	1.004979
8869	POM121L1	8.008738	3.537114	1.122524	3.151036	0.001627	0.004877	0.542086	0.547412	2.782925	15.62489	23.53022	5.024897
17020	CUNH11or	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17022	LOC119624	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17023	WFDC6	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17024	LOC103224	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17025	LOC103244	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17026	LOC103230	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17027	ASGR2	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
17028	LOC103233	1.384013	3.536684	2.374109	1.489689	0.136306	0.212795	0	0	0.695731	4.464254	2.139111	1.004979
29	LOC119624	6243.791	3.536013	0.103009	34.32732	3.07E-258	2.81E-255	913.4155	1098.656	961.5008	11008.85	11335.15	12145.18
149	LOC103244	457.5171	3.535833	0.159486	22.17022	6.66E-109	1.19E-106	80.22878	66.78424	70.9646	803.5657	849.2269	874.3321
14655	TMEM247	2.7465	3.535723	1.864695	1.89614	0.057942	0.105109	0	0	1.391463	8.928508	2.139111	4.019918
15437	DKK2	15.90617	3.534576	2.014688	1.754404	0.079361	0.136673	0	0	7.653045	44.64254	32.08666	11.05477
14463	LOC119624	2.730997	3.53213	1.828315	1.931905	0.053371	0.098097	0	0	1.391463	6.696381	4.278221	4.019918
14464	LOC119620	2.730997	3.53213	1.828315	1.931905	0.053371	0.098097	0	0	1.391463	6.696381	4.278221	4.019918
11490	VPREB3	4.797726	3.531552	1.402176	2.518622	0.011782	0.027259	0.542086	1.642235	0	4.464254	17.11289	5.024897
64	PDGFB	835.5829	3.530363	0.129412	27.27995	7.34E-164	3.05E-161	142.0266	126.4521	130.7975	1593.739	1456.734	1563.748
956	ABCC6	88.25031	3.530001	0.315704	11.18137	5.03E-29	1.40E-27	14.09425	15.32753	12.52316	156.2489	177.5462	153.7619
8288	LOC103214	9.074835	3.529086	1.064061	3.316621	0.000911	0.002922	0	1.642235	2.782925	11.16063	27.80844	11.05477
6897	TRPM2	12.91995	3.528663	0.934285	3.776858	0.000159	0.000612	0	2.737059	3.478657	35.71403	23.53022	12.05975
14669	LOC119624	2.678466	3.526853	1.862314	1.893801	0.058251	0.10557	0	0	1.391463	2.232127	6.417332	6.029877
8431	ADGRD2	10.91734	3.525488	1.077104	3.273117	0.001064	0.003354	0	0.547412	4.87012	20.08914	29.94755	10.04979
5984	LINGO1	25.80078	3.525417	0.845218	4.171014	3.03E-05	0.000135	0	2.189647	10.43597	58.0353	62.03421	22.10955
14492	LOC103244	2.715494	3.525225	1.829995	1.926358	0.05406	0.09917	0	0	1.391463	4.464254	6.417332	4.019918
14695	LOC119624	2.768025	3.524377	1.863789	1.890974	0.058628	0.10605	0	0	1.391463	8.928508	4.278221	2.009959
14696	LCN8	2.768025	3.524377	1.863789	1.890974	0.058628	0.10605	0	0				



17158	LOC103236	1.342902	3.524031	2.392143	1.473169	0.140705	0.218012	0.542086	0	0	2.232127	4.278221	1.004979
17153	LECT2	1.34379	3.524012	2.391718	1.473423	0.140637	0.217932	0	0.547412	0	2.232127	4.278221	1.004979
17154	LOC119627	1.34379	3.524012	2.391718	1.473423	0.140637	0.217932	0	0.547412	0	2.232127	4.278221	1.004979
17155	LOC103235	1.34379	3.524012	2.391718	1.473423	0.140637	0.217932	0	0.547412	0	2.232127	4.278221	1.004979
17156	LOC103247	1.34379	3.524012	2.391718	1.473423	0.140637	0.217932	0	0.547412	0	2.232127	4.278221	1.004979
17103	LOC103236	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
17104	LOC103238	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
17105	LOC103224	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
17107	APOBEC4	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
17108	LOC103227	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
17109	LOC103227	1.36851	3.523498	2.380071	1.480417	0.138762	0.215617	0	0	0.695731	2.232127	4.278221	1.004979
10239	PPP1R14D	6.683908	3.523123	1.255779	2.805527	0.005023	0.013043	0.542086	0	2.782925	22.32127	6.417332	8.039836
14171	IL1F10	2.501753	3.519938	1.775849	1.982116	0.047466	0.089068	0	0.547412	0.695731	4.464254	4.278221	5.024897
7036	ADIPOQ	23.65591	3.519596	0.946336	3.719184	0.0002	0.000755	0	0.547412	11.1317	55.80317	51.33866	23.11453
12705	LOC103227	4.099507	3.519426	1.559097	2.257349	0.023986	0.050191	0	0	2.087194	8.928508	8.556443	5.024897
12669	TBX5	37.58246	3.518584	1.552255	2.266757	0.023405	0.049114	0	2.189647	16.00182	87.05295	94.12087	26.12947
18010	CUNH1orf	1.3274	3.518005	2.623204	1.341111	0.179885	0.265488	0.542086	0	0	0	6.417332	1.004979
18008	LOC119627	1.328287	3.517991	2.622678	1.341373	0.179799	0.265421	0	0.547412	0	0	6.417332	1.004979
18009	TARM1	1.328287	3.517991	2.622678	1.341373	0.179799	0.265421	0	0.547412	0	0	6.417332	1.004979
14647	LOC119627	2.752522	3.517897	1.853998	1.897465	0.057767	0.104849	0	0	1.391463	6.696381	6.417332	2.009959
17964	FAM240A	1.353007	3.517596	2.608251	1.348642	0.177452	0.262554	0	0	0.695731	0	6.417332	1.004979
17965	LOC119626	1.353007	3.517596	2.608251	1.348642	0.177452	0.262554	0	0	0.695731	0	6.417332	1.004979
17967	RNASE7	1.353007	3.517596	2.608251	1.348642	0.177452	0.262554	0	0	0.695731	0	6.417332	1.004979
17968	CCL13	1.353007	3.517596	2.608251	1.348642	0.177452	0.262554	0	0	0.695731	0	6.417332	1.004979
6619	BNIP5	11.13334	3.516743	0.903236	3.893492	9.88E-05	0.000397	1.626259	2.189647	1.391463	29.01765	23.53022	9.044815
15347	LOC103227	18.57302	3.516293	1.985539	1.770951	0.076569	0.132637	0	0	9.044508	33.4819	42.78221	26.12947
12960	LOC103236	4.136535	3.515526	1.589714	2.21142	0.027007	0.055399	0	0	2.087194	11.16063	8.556443	3.014938
14354	LOC103237	2.485362	3.515263	1.801736	1.951043	0.051052	0.094553	0.542086	0	0.695731	2.232127	6.417332	5.024897
14762	LOC103247	2.699992	3.51468	1.869941	1.879568	0.060167	0.108355	0	0	1.391463	2.232127	8.556443	4.019918
5455	KASH5	16.54448	3.513904	0.7919	4.43731	9.11E-06	4.44E-05	2.168345	1.642235	4.174388	29.01765	49.19955	13.06473
8393	GHRHR	7.630957	3.511778	1.06936	3.284001	0.001023	0.003242	0.542086	1.094824	2.087194	22.32127	10.69555	9.044815
12287	LOC119625	3.85476	3.510942	1.495965	2.346941	0.018928	0.040954	0	0.547412	1.391463	4.464254	10.69555	6.029877
11635	EF5	5.468017	3.510812	1.41203	2.486359	0.012906	0.029489	0	0	2.782925	11.16063	12.83466	6.029877
12979	ZNF750	4.121032	3.510691	1.590386	2.207447	0.027283	0.055884	0	0	2.087194	8.928508	10.69555	3.014938
12243	TRNAK-UU	3.907291	3.510343	1.48884	2.357771	0.018385	0.039922	0	0.547412	1.391463	8.928508	8.556443	4.019918
8682	LOC103247	13.85003	3.510304	1.09412	3.208336	0.001335	0.004088	0	0	6.957314	31.24978	27.80844	17.08465
14755	LOC119626	2.73702	3.510206	1.867109	1.880022	0.060105	0.108273	0	0	1.391463	4.464254	8.556443	2.009959
14756	ABRA	2.73702	3.510206	1.867109	1.880022	0.060105	0.108273	0	0	1.391463	4.464254	8.556443	2.009959
14757	RTP4	2.73702	3.510206	1.867109	1.880022	0.060105	0.108273	0	0	1.391463	4.464254	8.556443	2.009959
1271	NAP1L2	93.06323	3.510044	0.353505	9.929257	3.11E-23	6.50E-22	8.131296	15.87494	21.56767	191.9629	154.016	166.8266
2295	NAT8	43.20805	3.509867	0.472774	7.423981	1.14E-13	1.32E-12	8.131296	7.116354	5.565851	102.6778	51.33866	84.41828
11882	F5	5.335408	3.509663	1.444918	2.42897	0.015142	0.033878	0	0	2.782925	4.464254	10.69555	14.06971
8066	LOC119627	8.947824	3.509532	1.03421	3.393441	0.00069	0.002275	0	1.642235	2.782925	20.08914	17.11289	12.05975
15164	LOC119627	2.449222	3.509266	1.946348	1.803	0.071388	0.125155	0	0.547412	0.695731	0	6.417332	7.034856
15882	CUNH10orf	2.78955	3.508587	2.07883	1.68777	0.091455	0.153088	0	0	1.391463	8.928508	6.417332	0
6466	HEATR4	12.911	3.507988	0.887478	3.952763	7.73E-05	0.000318	1.626259	0.547412	4.174388	31.24978	27.80844	12.05975
14235	CCDC179	2.538781	3.50798	1.781264	1.969377	0.04891	0.091337	0	0.547412	0.695731	6.696381	4.278221	3.014938
14236	LOC119626	2.538781	3.50798	1.781264	1.969377	0.04891	0.091337	0	0.547412	0.695731	6.696381	4.278221	3.014938
12552	LOC103237	3.760695	3.507848	1.530045	2.292643	0.021869	0.046317	0.542086	0.547412	0.695731	15.62489	2.139111	3.014938
10054	VRTN	8.155963	3.507717	1.230597	2.850418	0.004366	0.011545	0	0	4.174388	17.85702	12.83466	14.06971
13872	LOC119626	3.981347	3.506733	1.72265	2.035662	0.041784	0.080078	0	0.547412	1.391463	13.39276	8.556443	0
8045	LOC103247	10.5671	3.506446	1.030999	3.401018	0.000671	0.002219	0	1.094824	4.174388	24.5534	23.53022	10.04979
12306	LOC103237	3.891788	3.505468	1.49607	2.343117	0.019123	0.041313	0	0.547412	1.391463	6.696381	10.69555	4.019918
8275	GZMM	10.72229	3.505226	1.05545	3.321072	0.000897	0.002881	0	0.547412	4.87012	22.32127	23.53022	13.06473
13104	LOC119625	4.10553	3.505106	1.602581	2.187163	0.028731	0.058288	0	0	2.087194	6.696381	12.83466	3.014938
8802	ZNF648	9.359805	3.504503	1.104426	3.173143	0.001508	0.004555	0	0.547412	4.174388	17.85702	23.53022	10.04979
10194	BPIFB3	6.628808	3.503915	1.243849	2.816994	0.004848	0.012642	0	0.547412	2.782925	11.16063	19.252	6.029877
74	ZNF292	906.4474	3.503785	0.132439	26.45589	3.12E-154	1.12E-151	133.3532	166.9606	139.842	1667.399	1674.924	1656.206
3963	TMEM179	28.25839	3.503784	0.648642	5.401723	6.60E-08	4.43E-07	1.626259	3.284471	9.044508	60.26743	64.17332	31.15436
14660	KCNK15	2.574921	3.502933	1.847673	1.895862	0.057978	0.10514	0.542086	0	0.695731	8.928508	4.278221	1.004979
8125	TDRD5	9.027015	3.502607	1.03872	3.372043	0.000746	0.002441	0.542086	1.094824	2.782925	22.32127	21.39111	6.029877
11326	LOC119626	5.297326	3.502552	1.372607	2.551751	0.010718	0.025159	0	0.547412	2.087194	11.16063	14.97377	3.014938
4317	MRO	22.83254	3.502258	0.681022	5.142649	2.71E-07	1.67E-06	2.168345	2.737059	6.261582	49.10679	55.61688	21.10457
9337	LOC119627	8.892464	3.502111	1.158761	3.02229	0.002509	0.007143	1.084173	1.094824	2.087194	24.5534	23.53022	1.004979
12039	LOC119627	35.42409	3.501638	1.459569	2.39909	0.016436	0.036294	0	2.737059	14.61036	62.49956	100.5382	32.15934
9230	LOC103226	7.820604	3.501479	1.149046	3.047292	0.002309	0.006651	0	1.094824	2.782925	15.62489	21.39111	6.029877
6274	LOC103227	15.72056	3.501065	0.866433	4.040777	5.33E-05	0.000226	1.084173	0.547412	6.261582	24.5534	42.78221	19.09461
14289	FAM181B	2.523278	3.501	1.782707	1.963867	0.049545	0.09218	0	0.547412	0.695731	4.464254	6.417332	3.014938
15911	BPIFA2	2.774048	3.500991	2.081018	1.682346	0.092502	0.154547	0	0	1.391463	6.696381	8.556443	0
15913	SULT1E1	2.774048	3.500991	2.081018	1.682346	0.092502	0.154547	0	0	1.391463	6.696381	8.556443	0
15326	TMEM35A	16.97457	3.500961	1.972631	1.774768	0.075936	0.131722	0	0	8.348776	40.17829	34.22577	19.09461
15012	LOC103227	2.721517	3.500648	1.911979	1.830903	0.067115	0.118831	0	0	1.391463	2.232127	10.69555	2.009959
15013	TAAR1	2.721517	3.500648	1.911979	1.830903	0.067115	0.118831	0	0	1.391463	2.232127	10.69555	2.009959



10004	DUOXA1	6.452094	3.500597	1.224006	2.859951	0.004237	0.01126	0	1.094824	2.087194	13.39276	17.11289	5.024897
11060	LOC10324	5.135227	3.499634	1.33924	2.613149	0.008971	0.021564	0.542086	0.547412	1.391463	15.62489	10.69555	2.009959
14668	LOC10323	2.575809	3.499386	1.847319	1.894305	0.058185	0.105456	0	0.547412	0.695731	8.928508	4.278221	1.004979
5915	AMER2	21.17637	3.499276	0.832433	4.203674	2.63E-05	0.000118	0.542086	1.642235	8.348776	49.10679	51.33866	16.07967
9324	LOC11962	7.805101	3.498807	1.156645	3.024963	0.002487	0.007091	0	1.094824	2.782925	13.39276	23.53022	6.029877
15190	CD79B	2.470747	3.497668	1.945569	1.797761	0.072215	0.126388	0	0.547412	0.695731	0	8.556443	5.024897
10615	CUNH5orf1	5.082696	3.497635	1.287339	2.716949	0.006589	0.016501	0.542086	0.547412	1.391463	11.16063	12.83466	4.019918
10218	KRT35	9.476911	3.497029	1.243879	2.811389	0.004933	0.012834	0	0.547412	4.174388	22.32127	27.80844	2.009959
11620	LOC10324	4.957626	3.497015	1.404871	2.489208	0.012803	0.029291	1.084173	0.547412	0.695731	17.85702	8.556443	1.004979
7941	CSF3R	14.93288	3.496917	1.020701	3.425997	0.000613	0.002051	0	0.547412	6.957314	37.94616	32.08666	12.05975
9279	PAK5	6.184934	3.496314	1.151037	3.037535	0.002385	0.006834	0.542086	1.094824	1.391463	8.928508	17.11289	8.039836
8934	PTPRT	10.77137	3.495617	1.114582	3.136259	0.001711	0.005092	0	0.547412	4.87012	20.08914	32.08666	7.034856
12696	LOC11962	3.913313	3.495506	1.546585	2.260144	0.023812	0.049862	0	0.547412	1.391463	6.696381	12.83466	2.009959
7704	KY	8.562503	3.495403	1.001074	3.491655	0.00048	0.001656	0.542086	2.189647	1.391463	20.08914	17.11289	10.04979
9097	TSPAN32	12.35105	3.49432	1.132979	3.084189	0.002041	0.005965	0	0	6.261582	31.24978	23.53022	13.06473
14514	LOC10324	2.507775	3.49387	1.818706	1.921075	0.054722	0.100234	0	0.547412	0.695731	2.232127	8.556443	3.014938
8054	LOC11962	13.46533	3.493563	1.028064	3.398195	0.000678	0.002239	0	0.547412	6.261582	24.5534	36.36488	13.06473
9467	LOC10322	8.969251	3.493259	1.166796	2.99389	0.002754	0.007734	1.626259	0	2.782925	11.16063	34.22577	4.019918
11535	IKZF3	5.105109	3.492894	1.393398	2.506745	0.012185	0.028083	0	1.094824	1.391463	11.16063	14.97377	2.009959
12882	SYNPR	3.89781	3.490643	1.570926	2.222029	0.026281	0.054233	0	0.547412	1.391463	4.464254	14.97377	2.009959
12883	LOC11962	3.89781	3.490643	1.570926	2.222029	0.026281	0.054233	0	0.547412	1.391463	4.464254	14.97377	2.009959
4755	LOC10322	29.70803	3.490587	0.721087	4.840728	1.29E-06	7.23E-06	1.084173	3.284471	10.43597	40.17829	94.12087	29.1444
7148	LOC10323	15.73438	3.4898	0.948056	3.681007	0.000232	0.000864	0	1.642235	6.261582	20.08914	51.33866	15.07469
15343	LOC10321	2.491385	3.489146	1.96906	1.771986	0.076397	0.132374	0.542086	0	0.695731	0	10.69555	3.014938
13721	SLCO1B7	3.53836	3.489002	1.688664	2.066132	0.038816	0.075197	0	1.642235	0	11.16063	6.417332	2.009959
12112	TEKT3	3.714186	3.488444	1.463482	2.383661	0.017141	0.037624	0.542086	0.547412	0.695731	8.928508	8.556443	3.014938
14725	GSC2	2.543916	3.48827	1.850965	1.884568	0.059488	0.107402	0.542086	0	0.695731	4.464254	8.556443	1.004979
15288	LOC10323	2.292258	3.488227	1.957721	1.781779	0.074785	0.130048	1.084173	0	0	2.232127	6.417332	4.019918
7777	LOC10321	10.71587	3.487975	1.004904	3.470952	0.000519	0.001773	2.710432	1.642235	0.695731	17.85702	36.36488	5.024897
10832	LOC11962	6.067661	3.48792	1.30932	2.663918	0.007724	0.018956	0	2.189647	0.695731	13.39276	17.11289	3.014938
15129	LOC10323	2.309536	3.487155	1.927243	1.809401	0.070389	0.123689	0	1.094824	0	4.464254	4.278221	4.019918
246	PTK2B	304.8116	3.486956	0.187782	18.56918	5.71E-77	6.17E-75	53.66655	43.79295	52.87558	551.3354	526.2212	600.9777
12770	ZNF781	3.515947	3.486806	1.551747	2.247019	0.024639	0.051294	0.542086	1.094824	0	11.16063	4.278221	4.019918
5884	GPD1	20.12981	3.485872	0.825635	4.222048	2.42E-05	0.000109	0	4.379295	5.565851	42.41041	51.33866	17.08465
14738	CALY	2.544803	3.484714	1.850612	1.883006	0.0597	0.107681	0	0.547412	0.695731	4.464254	8.556443	1.004979
7414	LTF	11.54835	3.484442	0.969216	3.595114	0.000324	0.001163	0	1.642235	4.174388	29.01765	21.39111	13.06473
11106	LOC10321	4.654325	3.483897	1.337997	2.603815	0.009219	0.022068	1.084173	1.094824	0	11.16063	8.556443	6.029877
4337	TMEM196	38.95633	3.482834	0.679193	5.127903	2.93E-07	1.80E-06	1.084173	3.831883	14.61036	69.19594	104.8164	40.19918
14239	SHISAL2A	4.096049	3.482345	1.768438	1.969165	0.048934	0.091363	0	0	2.087194	2.232127	19.252	1.004979
3095	YPEL4	29.6682	3.481789	0.553839	6.286642	3.24E-10	2.79E-09	3.794605	7.116354	3.478657	69.19594	49.19955	45.22408
16391	CUNH1orf1	2.352587	3.481601	2.190595	1.58934	0.111984	0.181629	0	1.094824	0	4.464254	8.556443	0
7296	SLC22A7	12.90738	3.479796	0.957067	3.635895	0.000277	0.001009	0	1.642235	4.87012	26.78552	32.08666	12.05975
14631	LOC10324	189.2441	3.479711	1.83024	1.901233	0.057272	0.104064	0	9.306001	84.1835	314.7299	543.3341	183.9112
4460	NTRK2	26.60077	3.479419	0.690972	5.035547	4.76E-07	2.84E-06	0.542086	3.831883	9.044508	49.10679	59.8951	37.18424
14743	GMP12	2.293146	3.479414	1.848704	1.882083	0.059825	0.10787	0.542086	0.547412	0	2.232127	6.417332	4.019918
14744	POMC	2.293146	3.479414	1.848704	1.882083	0.059825	0.10787	0.542086	0.547412	0	2.232127	6.417332	4.019918
15744	LOC11962	2.367202	3.47856	2.035066	1.709311	0.087393	0.147571	0.542086	0.547412	0	6.696381	6.417332	0
8493	LOC10321	10.41936	3.477627	1.067542	3.257603	0.001124	0.003517	1.084173	0	4.174388	24.5534	25.66933	7.034856
357	LOC11962	366.859	3.477264	0.213636	16.2766	1.45E-59	1.08E-57	72.09749	47.07742	62.61582	743.2983	528.3603	747.7047
7965	MAGEA9	11.75261	3.477045	1.016479	3.420677	0.000625	0.002085	0	1.094824	4.87012	24.5534	29.94755	10.04979
7802	PLG	14.69133	3.476637	1.00344	3.464717	0.000531	0.001809	0	0.547412	6.957314	33.4819	32.08666	15.07469
8922	LOC11961	7.677202	3.476546	1.107558	3.138929	0.001696	0.005053	0.542086	0.547412	2.782925	22.32127	12.83466	7.034856
10022	KLK13	6.396735	3.474323	1.21646	2.856094	0.004289	0.011377	0	0.547412	2.782925	11.16063	12.83466	11.05477
6541	LOC10323	12.18147	3.473614	0.885266	3.923807	8.72E-05	0.000354	2.168345	1.642235	2.087194	33.4819	25.66933	8.039836
3295	LOC11962	30.90362	3.473011	0.574502	6.045258	1.49E-09	1.20E-08	4.336691	2.189647	9.044508	64.73168	59.8951	45.22408
15299	RXFP2	2.331061	3.472492	1.951382	1.779504	0.075157	0.1306	0	1.094824	0	4.464254	6.417332	2.009959
3368	LOC10323	39.62291	3.471407	0.581374	5.971037	2.36E-09	1.86E-08	2.710432	6.568942	10.43597	75.89232	106.9555	35.17428
10189	MPZL2	6.469903	3.471403	1.231903	2.817919	0.004834	0.012612	0.542086	0	2.782925	15.62489	12.83466	7.034856
5762	LOC10323	17.91922	3.471346	0.808404	4.294072	1.75E-05	8.09E-05	0.542086	1.642235	6.957314	33.4819	42.78221	22.10955
10252	TP53TG5	7.951439	3.470896	1.239241	2.800823	0.005097	0.013218	0	0	4.174388	15.62489	12.83466	15.07469
7291	LOC11962	14.03193	3.470529	0.954183	3.637172	0.000276	0.001005	1.084173	1.094824	4.87012	15.62489	53.47777	8.039836
10436	LOC11962	6.506932	3.469	1.257569	2.758496	0.005807	0.014792	0.542086	0	2.782925	17.85702	12.83466	5.024897
9270	SHISA6	12.16805	3.468986	1.141018	3.040255	0.002364	0.006779	0	0	6.261582	29.01765	25.66933	12.05975
6960	LOC10322	11.05274	3.467992	0.924043	3.753062	0.000175	0.000667	1.626259	1.094824	2.782925	13.39276	36.36488	11.05477
9439	LOC10323	6.240659	3.467698	1.156209	2.999195	0.002707	0.007624	0.542086	0.547412	2.087194	13.39276	12.83466	8.039836
11224	KCNJ6	8.142601	3.466063	1.345893	2.575289	0.010016	0.023723	0	0	4.174388	24.5534	17.11289	3.014938
6144	LOC10321	19.34193	3.464989	0.845155	4.099829	4.13E-05	0.000179	1.084173	1.094824	7.653045	31.24978	59.8951	15.07469
6501	LOC10322	15.38646	3.462612	0.878834	3.940007	8.15E-05	0.000333	0.542086	1.094824	6.261582	24.5534	42.78221	17.08465
12051	LOC10322	5.331526	3.461817	1.444167	2.397103	0.016525	0.036455	0	0	2.782925	15.62489	8.556443	5.024897
10490	LOC11962	8.000512	3.461716	1.260244	2.746861	0.006017	0.015249	0	0	4.174388	13.39276	21.39111	9.044815
9237	LOC10321	12.04749	3.460676	1.136255	3.045685	0.002322	0.006682	0	0	6.261582	17.85702	32.08666	16.07967
12600	LOC10322	3.658828	3.46063	1.515439	2.283582	0.022396	0.047254	0.542086	0	1.391463	6.		



7350	PLAAT4	12.93121	3.459324	0.956626	3.616173	0.000299	0.001081	0.542086	0.547412	5.565851	26.78552	32.08666	12.05975
11580	LOC103222	6.55087	3.458635	1.384046	2.49893	0.012457	0.028598	0	0.547412	2.782925	17.85702	17.11289	1.004979
9036	DMRTA2	7.292769	3.458396	1.114339	3.103539	0.001912	0.005626	0.542086	1.642235	1.391463	22.32127	12.83466	5.024897
10165	SLC5A9	7.798815	3.456861	1.224769	2.822461	0.004766	0.012464	0	0.547412	3.478657	8.928508	27.80844	6.029877
13547	LOC103233	3.941491	3.455379	1.646292	2.098886	0.035827	0.070308	0	0	2.087194	13.39276	2.139111	6.029877
12574	AQP4	3.696743	3.453196	1.508495	2.289166	0.02207	0.046662	0	0.547412	1.391463	8.928508	4.278221	7.034856
3320	LOC103233	30.182	3.452476	0.573211	6.023044	1.71E-09	1.37E-08	2.710432	7.116354	5.565851	35.71403	55.61688	74.36848
8089	ARR3	10.12103	3.451572	1.020127	3.383474	0.000716	0.002352	0	1.094824	4.174388	17.85702	23.53022	14.06971
10238	ARSH	7.591096	3.451522	1.229986	2.806147	0.005014	0.013019	0	1.094824	2.782925	6.696381	29.94755	5.024897
11394	LOC119623	5.108304	3.451232	1.359527	2.538553	0.011131	0.025972	0	0.547412	2.087194	11.16063	12.83466	4.019918
12976	ZBP1	3.749274	3.450119	1.56279	2.207667	0.027268	0.055865	0	0.547412	1.391463	13.39276	2.139111	5.024897
8714	MMP25	7.192843	3.449488	1.078485	3.198458	0.001382	0.004215	1.084173	1.094824	1.391463	11.16063	21.39111	7.034856
11215	LOC103240	4.910065	3.448652	1.337767	2.577917	0.00994	0.023562	0	1.094824	1.391463	13.39276	8.556443	5.024897
7243	LOC119626	9.802852	3.448551	0.943617	3.654608	0.000258	0.000945	1.084173	1.094824	2.782925	24.5534	19.252	10.04979
13239	LOC119615	3.947513	3.44844	1.597174	2.159088	0.030843	0.061936	0	0	2.087194	11.16063	6.417332	4.019918
9684	CUNH19or	6.06908	3.44819	1.174594	2.935643	0.003329	0.009138	1.084173	0.547412	1.391463	13.39276	14.97377	5.024897
10751	LOC103243	4.65752	3.44744	1.286855	2.678965	0.007385	0.018262	1.084173	0.547412	0.695731	11.16063	6.417332	8.039836
70	GPRIN3	1839.238	3.447124	0.128891	26.74445	1.43E-157	5.44E-155	264.5381	361.8392	300.556	3283.459	3332.734	3492.304
5790	CUX2	19.38001	3.446363	0.805195	4.28016	1.87E-05	8.58E-05	0	4.926706	4.87012	46.87467	38.50399	21.10457
556	CUNH11or	156.5895	3.446255	0.244291	14.10719	3.43E-45	1.64E-43	27.6464	28.46541	22.2634	287.9444	305.8928	267.3245
13246	LOC103247	3.786302	3.44596	1.59659	2.158326	0.030903	0.062022	0	0.547412	1.391463	15.62489	2.139111	3.014938
8326	CHI3L2	8.757651	3.443717	1.041602	3.306173	0.000946	0.00302	0.542086	0.547412	3.478657	13.39276	23.53022	11.05477
9282	LOC119623	7.450265	3.443617	1.133849	3.037103	0.002389	0.006842	1.084173	0	2.782925	20.08914	10.69555	10.04979
9063	LOC103233	3.903286	3.442915	1.113494	3.091992	0.001988	0.005832	0	0.547412	4.174388	17.85702	21.39111	10.04979
10506	LOC103233	6.03985	3.442903	1.255008	2.743331	0.006082	0.01539	0	1.642235	1.391463	8.928508	19.252	5.024897
8255	LANCL3	10.76372	3.44215	1.034421	3.327612	0.000876	0.002821	0	3.284471	2.087194	20.08914	32.08666	7.034856
11065	LOC119623	4.930702	3.441539	1.317297	2.612576	0.008986	0.021591	0.542086	0.547412	1.391463	13.39276	10.69555	3.014938
128	LRR4C	535.6355	3.441365	0.148825	23.1236	2.68E-118	5.57E-116	83.4813	100.1764	86.96642	984.368	983.9909	974.8301
9838	NEFH	7.701922	3.440752	1.187349	2.897844	0.003757	0.010153	0.542086	0	3.478657	22.32127	12.83466	7.034856
7489	KCNQ2	15.33093	3.440538	0.9646	3.566804	0.000361	0.001283	0	1.642235	6.261582	31.24978	42.78221	10.04979
8600	FAM9C	10.09604	3.440256	1.065398	3.22908	0.001242	0.003839	0	1.094824	4.174388	11.16063	32.08666	12.05975
88	TSPAN18	1177.492	3.439073	0.13728	25.05146	1.68E-138	5.08E-136	183.2252	236.4819	176.02	2140.61	2083.494	2245.124
12765	CKMT2	3.754409	3.438462	1.529798	2.247658	0.024598	0.051229	0.542086	0	1.391463	11.16063	6.417332	3.014938
13288	LOC103233	3.916508	3.438415	1.598639	2.150839	0.031489	0.063	0	0	2.087194	6.696381	10.69555	4.019918
12332	FAM178B	3.451109	3.438195	1.470549	2.338034	0.019385	0.041791	0.542086	0.547412	0.695731	4.464254	6.417332	8.039836
11519	LOC119623	4.916087	3.438109	1.370185	2.509229	0.0121	0.027924	0	1.094824	1.391463	11.16063	12.83466	3.014938
9993	LOC119623	10.62257	3.437241	1.200558	2.863036	0.004196	0.011163	0	0	5.565851	22.32127	27.80844	8.039836
8874	LOC103247	8.743036	3.437008	1.09132	3.149405	0.001636	0.004901	0	1.094824	3.478657	11.16063	25.66933	11.05477
8712	ACP7	8.618853	3.436548	1.074265	3.198977	0.001379	0.004209	0	1.642235	2.782925	17.85702	21.39111	8.039836
9363	LOC103243	8.890261	3.436511	1.139593	3.015561	0.002565	0.007283	0.542086	0.547412	3.478657	20.08914	25.66933	3.014938
6340	GUCY2F	19.02244	3.435746	0.856909	4.009465	6.09E-05	0.000255	1.084173	1.094824	7.653045	33.4819	57.75599	13.06473
15091	ZBTB16	52.97001	3.434954	1.889502	1.817915	0.069077	0.121689	0	0.547412	26.43779	102.6778	136.9031	51.25395
9663	LOC119615	7.618386	3.434654	1.167285	2.94243	0.003256	0.008959	0.542086	0	3.478657	13.39276	19.252	9.044815
13569	NLRP4	3.953536	3.434542	1.639505	2.094866	0.036183	0.070889	0	0	2.087194	8.928508	10.69555	2.009959
5365	FOX1	32.93869	3.433765	0.766144	4.481878	7.40E-06	3.67E-05	3.252518	0.547412	13.2189	44.64254	104.8164	31.15436
10650	FFAR3	7.879524	3.432751	1.269093	2.704885	0.006833	0.017056	0	0	4.174388	20.08914	14.97377	8.039836
13464	CRYBB1	3.901005	3.431529	1.6232	2.114052	0.034511	0.068137	0	0	2.087194	4.464254	12.83466	4.019918
13465	CCDC196	3.901005	3.431529	1.6232	2.114052	0.034511	0.068137	0	0	2.087194	4.464254	12.83466	4.019918
1001	CREG2	107.1096	3.431528	0.312383	10.98499	4.51E-28	1.20E-26	21.14137	13.6853	20.17621	194.195	158.2942	235.1652
11291	GPR35	4.884194	3.431062	1.340255	2.560006	0.010467	0.024641	0.542086	0.547412	1.391463	6.696381	17.11289	3.014938
12730	LOC103243	3.739794	3.431051	1.523707	2.25178	0.024336	0.050823	0	0.547412	1.391463	8.928508	8.556443	3.014938
5707	SV2B	15.18384	3.430908	0.793618	4.323122	1.54E-05	7.17E-05	4.336691	0.547412	2.782925	31.24978	32.08666	20.09959
154	PDZRN3	438.9367	3.430838	0.156923	21.86323	5.82E-106	1.00E-103	70.47123	78.8273	74.44326	772.3159	806.4447	831.118
6606	MAGEC1	21.5606	3.430811	0.87969	3.900022	9.62E-05	0.000387	0	2.189647	9.044508	24.5534	68.45154	25.12449
8601	ASCL4	14.16669	3.429228	1.062105	3.228709	0.001244	0.003844	0	1.094824	6.261582	24.5534	47.06043	6.029877
13657	ZNFS44	3.938033	3.428849	1.651289	2.076468	0.037851	0.073681	0	0	2.087194	6.696381	12.83466	2.009959
7741	LOC103223	13.74737	3.428237	0.984857	3.480948	0.0005	0.001716	0.542086	1.642235	4.87012	46.87467	23.53022	5.024897
10946	LOC119618	4.648927	3.428206	1.298695	2.639732	0.008297	0.020152	0.542086	1.094824	0.695731	6.696381	12.83466	6.029877
6268	ABCA9	13.77557	3.425862	0.847319	4.043177	5.27E-05	0.000224	3.794605	1.642235	1.391463	44.64254	17.11289	14.06971
8698	KCNMB3	9.955046	3.424678	1.068854	3.204065	0.001355	0.004142	0.542086	1.094824	3.478657	33.4819	17.11289	4.019918
15218	LOC103233	2.489445	3.424579	1.91074	1.792279	0.073088	0.127665	0	0	1.391463	2.232127	4.278221	7.034856
15219	DACH2	2.489445	3.424579	1.91074	1.792279	0.073088	0.127665	0	0	1.391463	2.232127	4.278221	7.034856
15009	LOC119626	2.526473	3.424366	1.869478	1.831723	0.066993	0.118646	0	0	1.391463	4.464254	4.278221	5.024897
15010	TMEM238	2.526473	3.424366	1.869478	1.831723	0.066993	0.118646	0	0	1.391463	4.464254	4.278221	5.024897
15011	HPD	2.526473	3.424366	1.869478	1.831723	0.066993	0.118646	0	0	1.391463	4.464254	4.278221	5.024897
11198	LOC103233	6.39993	3.424143	1.325819	2.582662	0.009804	0.023276	0	0	3.478657	11.16063	10.69555	13.06473
5183	MYT1L	30.11916	3.42387	0.746281	4.487909	4.48E-06	2.30E-05	0.542086	3.284471	11.82743	75.89232	62.03421	27.13445
10527	GRM3	9.17052	3.423742	1.250235	2.738479	0.006172	0.015587	0	0	4.87012	11.16063	29.94755	9.044815
12818	LOC119618	3.524277	3.423693	1.531985	2.234808	0.02543	0.052743	1.084173	0	0.695731	8.928508	6.417332	4.019918
7463	TMPRSS6	11.82239	3.423633	0.957388	3.576013	0.000349	0.001243	1.626259	2.189647	2.087194	26.78552	34.22577	4.019918
10185	REN	7.608906	3.423392	1.214569	2.818607	0.004823	0.01259	0.542086	0	3.478657	8.928508	25.66933	7.034856
13849	LOC119623	3.92253	3.422393	1.677151	2.040599	0.041291	0.079263	0	0	2.087194	4.46425		



8391	STRA6	12.69961	3.42218	1.041949	3.284403	0.001022	0.003238	0	1.094824	5.565851	44.64254	12.83466	12.05975
11173	LOC103225	6.421455	3.421893	1.323011	2.586443	0.009697	0.023074	0	0	3.478657	11.16063	12.83466	11.05477
9464	SCNN1G	7.234841	3.421068	1.142594	2.994123	0.002752	0.007731	0	1.642235	2.087194	13.39276	19.252	7.034856
9465	LILRA4	7.234841	3.421068	1.142594	2.994123	0.002752	0.007731	0	1.642235	2.087194	13.39276	19.252	7.034856
9565	LOC119618	6.965018	3.42092	1.152385	2.968557	0.002992	0.008316	2.168345	0	1.391463	8.928508	19.252	10.04979
3770	DLGAP2	53.43514	3.420037	0.61359	5.573816	2.49E-08	1.76E-07	5.96295	1.642235	20.17621	111.6063	121.9293	59.29379
13434	LOC103238	3.744929	3.419555	1.612661	2.120443	0.033969	0.067217	0.542086	0	1.391463	6.696381	12.83466	1.004979
15900	GUCY2D	16.14311	3.419547	2.030379	1.684192	0.092145	0.154064	0	0	8.348776	37.94616	38.50399	12.05975
11123	LOC103231	77.69962	3.419497	1.316466	2.597482	0.009391	0.022445	1.626259	2.189647	36.17803	145.0883	211.772	69.34358
7916	LOC119628	10.56868	3.418314	0.995453	3.433927	0.000595	0.001998	0	3.284471	2.087194	22.32127	25.66933	10.04979
8417	KCNS1	10.03272	3.41797	1.043032	3.276955	0.001049	0.003314	0.542086	0.547412	4.174388	20.08914	27.80844	7.034856
15055	LOC103221	2.563501	3.417402	1.873985	1.823602	0.068212	0.120453	0	0	1.391463	6.696381	4.278221	3.014938
6222	FAM186A	11.89556	3.417009	0.840501	4.065445	4.79E-05	0.000205	1.084173	1.642235	3.478657	24.5534	23.53022	17.08465
13678	CD19	23.86699	3.416134	1.647999	2.072898	0.038182	0.074211	0.542086	0	11.82743	42.41041	66.31243	22.10955
7333	SLC13A4	12.50064	3.415856	0.943205	3.621542	0.000293	0.001062	0.542086	0.547412	5.565851	22.32127	29.94755	16.07967
11608	FGR	4.891734	3.414912	1.370337	2.492024	0.012702	0.029087	0	0.547412	2.087194	13.39276	4.278221	9.044815
3804	COL9A2	28.47601	3.414631	0.617002	5.534231	3.13E-08	2.18E-07	2.710432	4.926706	6.957314	66.96381	64.17332	25.12449
13022	LOC119615	3.493272	3.414049	1.551483	2.200507	0.027771	0.056696	1.084173	0	0.695731	4.464254	10.69555	4.019918
13846	LOC103227	3.31231	3.412984	1.672151	2.041074	0.041243	0.079189	0	1.642235	0	8.928508	4.278221	5.024897
10883	SPON1	6.18273	3.412745	1.286219	2.653316	0.007971	0.01947	0	0.547412	2.782925	4.464254	19.252	10.04979
11362	MMP24	4.859841	3.412167	1.340437	2.545562	0.01091	0.025528	0.542086	0	2.087194	8.928508	8.556443	9.044815
16204	LOC103221	21.45354	3.411529	2.097303	1.626626	0.103816	0.170326	0	0	11.1317	35.71403	57.75599	24.11951
377	CHI3L1	264.684	3.410907	0.212009	16.08851	3.07E-58	2.17E-56	42.28274	55.83601	38.26523	459.8182	449.2132	542.6889
11508	AOAH	6.449003	3.410345	1.357185	2.512807	0.011977	0.02767	0	0	3.478657	8.928508	19.252	7.034856
13199	HAO2	3.547577	3.409179	1.571569	2.169284	0.030061	0.060548	0	1.094824	0.695731	8.928508	8.556443	2.009959
14929	CLEC1B	2.297228	3.408726	1.843513	1.849039	0.064452	0.114774	0	0.547412	0.695731	2.232127	4.278221	6.029877
14511	LOC119618	3.5536	3.40852	1.773824	1.921566	0.05466	0.100141	0	1.094824	0.695731	6.696381	12.83466	0
12268	RAMP3	5.015917	3.406416	1.448735	2.351304	0.018708	0.04054	0	0	2.782925	6.696381	8.556443	12.05975
12683	CUNH16or	3.54669	3.406377	1.50507	2.263268	0.023619	0.049508	0.542086	0.547412	0.695731	8.928508	8.556443	2.009959
6027	LOC103244	14.07709	3.40576	0.820131	4.1527	3.29E-05	0.000145	3.252518	0.547412	3.478657	29.01765	32.08666	16.07967
12843	MEOX2	3.478656	3.40566	1.526979	2.230325	0.025726	0.053253	0.542086	0.547412	0.695731	2.232127	12.83466	4.019918
9845	LOC119620	6.665896	3.405244	1.176123	2.895313	0.003788	0.010228	1.084173	2.189647	0	17.85702	12.83466	6.029877
8785	CUNH6orf	8.61168	3.404947	1.071311	3.178299	0.001481	0.004483	0.542086	0.547412	3.478657	13.39276	25.66933	8.039836
8190	CAPN6	8.282348	3.404927	1.016712	3.348958	0.000811	0.002633	1.084173	1.094824	2.087194	24.5534	12.83466	8.039836
14893	LOC103227	2.349759	3.40486	1.834874	1.855637	0.063505	0.113361	0	0.547412	0.695731	6.696381	2.139111	4.019918
13258	LOC119620	3.532075	3.404286	1.578746	2.156323	0.031058	0.062279	0	1.094824	0.695731	6.696381	10.69555	2.009959
12450	ICAM2	5.164029	3.404068	1.473064	2.310876	0.02084	0.0445	0	0	2.782925	15.62489	8.556443	4.019918
1769	ZMAT4	59.46231	3.403262	0.398656	8.536847	1.38E-17	2.07E-16	9.215468	14.23271	6.957314	102.6778	126.2075	97.48301
10279	ZNF878	9.028006	3.402909	1.218013	2.793819	0.005209	0.013472	0	0	4.87012	17.85702	21.39111	10.04979
12403	LOC103215	5.148526	3.400625	1.465402	2.320609	0.020308	0.043529	0	0	2.782925	13.39276	10.69555	4.019918
13415	LOC119624	3.516572	3.400247	1.600995	2.123834	0.033684	0.066753	0	1.094824	0.695731	4.464254	12.83466	2.009959
15327	LOC103215	2.532495	3.399559	1.915892	1.7744	0.075997	0.131818	0	0	1.391463	2.232127	8.556443	3.014938
8007	HCAR1	11.97909	3.399107	0.996764	3.410143	0.000649	0.002156	0.542086	2.189647	3.478657	17.85702	42.78221	5.024897
6675	WFIKKN2	25.39591	3.398901	0.878831	3.867524	0.00011	0.000438	0	1.642235	11.82743	58.0353	57.75599	23.11453
6426	COL25A1	16.62094	3.397999	0.855873	3.970214	7.18E-05	0.000297	0	3.831883	4.87012	29.01765	44.92132	17.08465
15080	LOC119625	2.385899	3.396849	1.866808	1.819602	0.06882	0.121324	0.542086	0	0.695731	8.928508	2.139111	2.009959
14056	CPA6	3.484679	3.396527	1.69597	2.002705	0.045209	0.085507	0.542086	0.547412	0.695731	0	17.11289	2.009959
10174	LOC119627	5.886081	3.39594	1.204116	2.820276	0.004798	0.012538	1.084173	0.547412	1.391463	11.16063	17.11289	4.019918
6738	RIMBP2	23.83173	3.395226	0.883767	3.841767	0.000122	0.000482	0	2.189647	10.43597	49.10679	64.17332	17.08465
7960	LOC119625	12.41757	3.39326	0.991634	3.421887	0.000622	0.002077	0	1.094824	5.565851	31.24978	23.53022	13.06473
7424	SEC14L5	10.79049	3.392831	0.944924	3.590584	0.00033	0.001181	1.084173	0.547412	4.174388	29.01765	12.83466	17.08465
4608	NLRC3	21.43915	3.392449	0.686847	4.939164	7.85E-07	4.53E-06	1.626259	2.189647	7.653045	37.94616	47.06043	32.15934
10379	INA	7.347344	3.391847	1.224677	2.769585	0.005613	0.014375	1.084173	0	2.782925	20.08914	17.11289	3.014938
9286	LOC103227	8.084899	3.390381	1.117019	3.035205	0.002404	0.006882	2.168345	0.547412	1.391463	17.85702	23.53022	3.014938
12867	FAM71B	5.154549	3.390036	1.523407	2.225299	0.026061	0.053846	0	0	2.782925	11.16063	14.97377	2.009959
7550	ACOXL	16.30909	3.389413	0.957073	3.541435	0.000398	0.001401	0	1.094824	7.653045	31.24978	42.78221	15.07469
10510	STUM	7.509443	3.38939	1.235906	2.742433	0.006099	0.015426	0.542086	0	3.478657	15.62489	21.39111	4.019918
8296	RXFP1	9.593817	3.388569	1.022459	3.314137	0.000919	0.002946	0	1.642235	3.478657	17.85702	23.53022	11.05477
6288	RPRM	19.86155	3.388519	0.83996	4.034141	5.48E-05	0.000232	1.084173	0.547412	9.044508	46.87467	38.50399	23.11453
14939	DNALI1	2.370396	3.388195	1.834398	1.847033	0.064742	0.115205	0.542086	0	0.695731	6.696381	4.278221	2.009959
11176	TEX13B	9.009046	3.385571	1.309186	2.586011	0.009709	0.023094	0	0	4.87012	8.928508	34.22577	6.029877
14950	PRM3	2.371284	3.384694	1.834047	1.845478	0.064968	0.11553	0	0.547412	0.695731	6.696381	4.278221	2.009959
16005	LOC103240	2.408312	3.38442	2.033886	1.664017	0.096109	0.159646	0	0.547412	0.695731	8.928508	4.278221	0
10455	C6	5.930649	3.383489	1.228244	2.754737	0.005874	0.014935	0.542086	0.547412	2.087194	20.08914	4.278221	8.039836
16039	LOC119624	2.172157	3.383433	2.040328	1.658279	0.097261	0.161213	0.542086	0.547412	0	8.928508	0	3.014938
11169	LOC119620	4.726178	3.382998	1.307728	2.586928	0.009684	0.023049	0.542086	0.547412	1.391463	11.16063	10.69555	4.019918
10590	S1PR4	6.077245	3.382292	1.241218	2.724977	0.006431	0.016143	0	0.547412	2.782925	13.39276	10.69555	9.044815
10681	SBSN	7.479325	3.381796	1.25414	2.696507	0.007007	0.017441	0	0.547412	3.478657	11.16063	25.66933	4.019918
7034	BTBD17	10.51987	3.381592	0.908748	3.721156	0.000198	0.00075	1.626259	0.547412	3.478657	17.85702	23.53022	16.07967
10730	SLC26A4	5.987686	3.380598	1.259213	2.684692	0.00726	0.017987	0	0.547412	2.782925	6.696381	12.83466	13.06473
13268	PAX7	25.70566	3.380094	1.568941	2.15438	0.03121	0.062536	0	1.094824	12.52316	44.64254	74.86887	21.10457
6429	CELFB3	24.99242	3.379886	0.851714	3.968336	7.24E-05	0.000299	0.542086	1.094824	11.82743	33.4819	74.86887	



8635	LOC119621	11.09211	3.378733	1.049673	3.218845	0.001287	0.003963	0	1.094824	4.87012	29.01765	23.53022	8.039836
7790	DMRTC2	16.06994	3.378081	0.973995	3.468273	0.000524	0.001788	0	1.642235	6.957314	42.41041	36.36488	9.044815
14972	LIPK	2.355781	3.377063	1.835845	1.839515	0.06584	0.116908	0	0.547412	0.695731	4.464254	6.417332	2.009959
13513	KHDC3L	3.705961	3.376295	1.603697	2.105319	0.035264	0.069371	0	0	2.087194	6.696381	6.417332	7.034856
10512	LOC103238	6.927658	3.375985	1.231318	2.741766	0.006111	0.015455	0	2.189647	1.391463	17.85702	17.11289	3.014938
11623	MMP8	6.723299	3.37575	1.35689	2.487858	0.012851	0.029395	1.626259	1.094824	0.695731	13.39276	23.53022	0
15994	CYP2C8	2.392809	3.375574	2.025336	1.666674	0.095579	0.158871	0	0.547412	0.695731	6.696381	6.417332	0
5854	NPHS1	16.51421	3.374886	0.795371	4.243162	2.20E-05	0.0001	2.710432	0.547412	5.565851	37.94616	34.22577	18.08963
8394	CUNHXorf1	13.47544	3.37406	1.02769	3.28315	0.001027	0.003251	0	1.642235	5.565851	31.24978	36.36488	6.029877
13343	C4BPB	5.071013	3.373244	1.577464	2.138397	0.032485	0.064723	0	0	2.782925	2.232127	21.39111	4.019918
11703	LOC119621	4.7322	3.372375	1.364384	2.47172	0.013446	0.030546	0.542086	0.547412	1.391463	8.928508	14.97377	2.009959
16066	LOC119621	2.376419	3.371672	2.038757	1.653788	0.098171	0.162452	0.542086	0	0.695731	4.464254	8.556443	0
2840	ADCYAP1R	54.40412	3.371265	0.508424	6.63082	3.34E-11	3.12E-10	4.336691	9.853413	14.61036	111.6063	134.764	51.25395
9846	CRYGN	7.056976	3.371264	1.164509	2.89501	0.003791	0.010237	0.542086	1.094824	2.087194	8.928508	25.66933	4.019918
163	TRIM22	527.7094	3.370636	0.156882	21.48515	2.14E-102	3.50E-100	102.4543	94.70224	81.40057	1006.689	877.0354	1003.974
7590	LOC119621	11.73529	3.370322	0.954958	3.529287	0.000417	0.001459	1.626259	4.379295	0	33.4819	12.83466	18.08963
7269	ALX4	21.2841	3.369608	0.924455	3.644968	0.000267	0.000978	0	1.094824	10.43597	46.87467	49.19955	20.09959
10600	MAB21L4	5.922056	3.369505	1.237702	2.722389	0.006481	0.016255	0	1.094824	2.087194	15.62489	10.69555	6.029877
10668	SYCP1	6.698414	3.369375	1.248086	2.699634	0.006942	0.017299	0	2.737059	0.695731	15.62489	17.11289	4.019918
13746	RFPL1	3.780017	3.369277	1.635675	2.05987	0.039411	0.076221	0	0	2.087194	11.16063	6.417332	3.014938
8958	PTPRC	8.209804	3.368731	1.076646	3.128912	0.001755	0.005207	0	1.642235	2.782925	13.39276	21.39111	10.04979
16685	NEUROG3	2.538518	3.368709	2.1808	1.544713	0.122416	0.195051	0	0	1.391463	0	12.83466	1.004979
13455	LOC119621	3.581777	3.368418	1.591669	2.11628	0.034321	0.067813	0	0.547412	1.391463	13.39276	2.139111	4.019918
5276	CCDC180	24.05963	3.366223	0.742358	4.534499	5.77E-06	2.91E-05	2.168345	1.094824	9.740239	58.0353	49.19955	24.11951
6810	VWC2L	12.60655	3.365613	0.882623	3.813196	0.000137	0.000536	2.710432	1.094824	2.782925	26.78552	34.22577	8.039836
15295	KRTAP4-1	2.156655	3.364731	1.89057	1.779745	0.075118	0.130566	0.542086	0.547412	0	6.696381	2.139111	3.014938
85	CSPG4	6364.862	3.364474	0.131911	25.50558	1.71E-143	5.35E-141	1212.647	955.781	1213.356	11348.13	10137.25	13322.01
3254	TMEM114	47.08412	3.363678	0.552047	6.093104	1.11E-09	9.05E-09	4.336691	4.926706	16.00182	111.6063	98.39909	47.23404
8890	LOC103231	8.251079	3.363609	1.068846	3.146954	0.00165	0.004934	1.084173	0.547412	2.782925	13.39276	25.66933	6.029877
7953	LOC103231	9.440935	3.361918	0.981881	3.423955	0.000617	0.002063	0.542086	1.094824	3.478657	20.08914	21.39111	10.04979
16267	LOC103231	2.361804	3.360879	2.081828	1.614389	0.106443	0.173959	0	0.547412	0.695731	2.232127	10.69555	0
12980	LOC119621	4.525369	3.360584	1.522417	2.2074	0.027286	0.055885	0	1.642235	0.695731	6.696381	17.11289	1.004979
12320	CRISPLD1	4.503843	3.360284	1.434911	2.341807	0.019191	0.041411	0	1.642235	0.695731	6.696381	14.97377	3.014938
14292	MSGN1	3.801542	3.359768	1.711797	1.962714	0.049679	0.09241	0	0	2.087194	11.16063	8.556443	1.004979
12144	LOC103211	6.303032	3.358877	1.412565	2.377857	0.017414	0.038121	0	0	3.478657	8.928508	21.39111	4.019918
5451	KCNH7	18.72402	3.35868	0.756569	4.439359	9.02E-06	4.40E-05	2.710432	1.094824	6.261582	42.41041	42.78221	17.08465
13493	LOC103211	4.311627	3.358532	1.592955	2.108366	0.034999	0.068953	0	2.189647	0	6.696381	14.97377	2.009959
3042	PKHD1	41.66733	3.358058	0.52886	6.349616	2.16E-10	1.89E-09	4.336691	9.306001	8.348776	89.28508	100.5382	38.18922
17137	LOC103221	2.346301	3.357596	2.277037	1.474546	0.140335	0.217704	0	0.547412	0.695731	0	12.83466	0
9222	AADACL3	11.14181	3.357502	1.101068	3.049314	0.002294	0.006612	0	0.547412	5.565851	35.71403	14.97377	10.04979
5102	CD3D	25.12033	3.357142	0.725488	4.627429	3.70E-06	1.93E-05	1.084173	2.189647	10.43597	49.10679	57.75599	30.14938
8491	DPRX	8.037338	3.357067	1.030392	3.258048	0.001122	0.003512	1.084173	1.094824	2.087194	13.39276	23.53022	7.034856
11582	VSX2	5.568629	3.356121	1.343287	2.498439	0.012474	0.028633	0	2.189647	0.695731	20.08914	6.417332	4.019918
6250	NSG2	24.46479	3.356051	0.828415	4.051172	5.10E-05	0.000217	0.542086	1.642235	11.1317	51.33892	62.03421	20.09959
10378	RBF0X1	63.90222	3.355637	1.211487	2.769848	0.005608	0.014366	1.626259	2.737059	29.91645	124.9991	166.8506	57.28383
11915	LOC103211	4.72335	3.355471	1.385676	2.421541	0.015455	0.034483	0.542086	0	2.087194	13.39276	4.278221	8.039836
15204	LOC103241	2.141152	3.354985	1.868416	1.795631	0.072553	0.126863	0.542086	0.547412	0	4.464254	4.278221	3.014938
10049	LOC119621	9.981444	3.354669	1.176597	2.851161	0.004356	0.011524	0	0	5.565851	17.85702	21.39111	15.07469
7915	LOC103231	10.08034	3.354443	0.976772	3.434212	0.000594	0.001996	1.084173	2.189647	2.087194	6.696381	36.36488	12.05975
13227	GABRA3	30.23097	3.3543	1.550302	2.163643	0.030492	0.061285	0	1.642235	14.61036	71.42806	70.59065	23.11453
14091	GRIA3	44.51944	3.353142	1.679584	1.996412	0.045889	0.086577	0	1.642235	22.2634	73.66019	128.3466	41.20416
13396	CCR4	3.5878	3.353016	1.575491	2.128236	0.033318	0.06612	0	0.547412	1.391463	11.16063	6.417332	2.009959
14057	SMIM35	41.8935	3.351914	1.67387	2.002494	0.045232	0.085543	0	1.642235	20.87194	75.89232	119.7902	33.16432
13971	LOC119621	3.733508	3.351844	1.661487	2.017376	0.043656	0.083072	0	0	2.087194	4.464254	12.83466	3.014938
6232	SLC17A8	15.28611	3.351536	0.825453	4.060237	4.90E-05	0.000209	0.542086	1.642235	6.261582	33.4819	25.66933	24.11951
9493	DDO	8.361277	3.351089	1.122386	2.985683	0.002829	0.007924	0.542086	0	4.174388	13.39276	14.97377	17.08465
14620	CLPS	3.608438	3.351034	1.760302	1.90367	0.056953	0.103564	0.542086	0	1.391463	11.16063	8.556443	0
13232	LOC119621	3.518879	3.35092	1.549749	2.162234	0.0306	0.06148	0.542086	0	1.391463	4.464254	10.69555	4.019918
18549	LOC119618	1.157963	3.350369	2.695147	1.243112	0.213827	0.306446	0	0	0.695731	2.232127	0	4.019918
18611	LOC119621	1.133243	3.349596	2.713511	1.234414	0.217049	0.309867	0	0.547412	0	2.232127	0	4.019918
11570	LOC119618	7.550553	3.349171	1.338903	2.50143	0.012369	0.028422	0	0	4.174388	17.85702	19.252	4.019918
8854	HOXC12	9.255629	3.348966	1.061202	3.155823	0.0016	0.004805	0	2.189647	2.782925	17.85702	25.66933	7.034856
15796	LYPD8	3.200704	3.347932	1.965991	1.702923	0.088582	0.149086	1.626259	0	0	11.16063	6.417332	0
7019	DCX	24.61139	3.347412	0.898063	3.727371	0.000193	0.000733	0	1.642235	11.82743	44.64254	68.45154	21.10457
10791	NLR4	5.210135	3.347342	1.252725	2.672047	0.007539	0.018572	1.626259	1.094824	0	8.928508	8.556443	11.05477
19452	LOC103241	1.207299	3.346703	3.01588	1.109694	0.267131	0.365066	0	0.547412	0	6.696381	0	0
19453	LOC119621	1.207299	3.346703	3.01588	1.109694	0.267131	0.365066	0	0.547412	0	6.696381	0	0
19405	LOC119621	1.232019	3.345889	2.995844	1.116843	0.264061	0.361654	0	0	0.695731	6.696381	0	0
19406	BBOX1	1.232019	3.345889	2.995844	1.116843	0.264061	0.361654	0	0	0.695731	6.696381	0	0
19410	LOC103231	1.232019	3.345889	2.995844	1.116843	0.264061	0.361654	0	0	0.695731	6.696381	0	0
19411	LOC103231	1.232019	3.345889	2.995844	1.116843	0.264061	0.361654	0	0	0.695731	6.696381	0	0
16133	LOC119621	2.163565	3.345767	2.040375	1.639978	0.101051	0.166522	0	1.094824	0	4.464254	6.417332	1.004979
16137	LOC103231	2.163565	3.345767	2.040375	1.639978	0.101051	0.166522	0	1.094824	0	4.464254	6.417332	1.00497



6604	ABCC12	12.44942	3.344252	0.857305	3.900888	9.58E-05	0.000386	2.168345	1.642235	2.782925	31.24978	27.80844	9.044815
641	OSR1	148.691	3.34141	0.253054	13.20434	8.28E-40	3.44E-38	29.27266	22.9913	27.82925	308.0335	241.7195	262.2996
8132	TRPCS	14.63765	3.341126	0.991478	3.369843	0.000752	0.002459	0	0.547412	7.653045	24.5534	29.94755	25.12449
18467	LOC119624	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18468	LOC10324	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18472	LOC119618	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18474	TRNAY-GU	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18492	LOC11962	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18499	LOC119618	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
18500	LOC119618	1.194991	3.34075	2.665052	1.25354	0.210009	0.301974	0	0	0.695731	4.464254	0	2.009959
5647	HTRA4	14.3088	3.340251	0.768006	4.349249	1.37E-05	6.43E-05	2.710432	2.737059	2.087194	29.01765	34.22577	15.07469
13241	DSG1	3.321528	3.339698	1.547171	2.158584	0.030882	0.062005	0	1.094824	0.695731	6.696381	6.417332	5.024897
124	MARCHF4	890.8347	3.33857	0.143119	23.32715	2.35E-120	5.04E-118	136.6058	188.8571	155.1481	1654.006	1589.359	1621.032
10626	NNAT	8.671488	3.338226	1.230746	2.71236	0.006681	0.016714	0	0	4.87012	17.85702	19.252	10.04979
16344	LOC119624	15.34308	3.338103	2.090503	1.596794	0.110312	0.179432	0	0	8.348776	22.32127	51.33866	10.04979
14684	MPPED1	27.91196	3.337564	1.763965	1.892081	0.05848	0.105877	0	0.547412	14.61036	62.49956	72.72976	17.08465
15570	GPR183	2.162677	3.336993	1.92526	1.733268	0.083048	0.141791	0.542086	0.547412	0	4.464254	6.417332	1.004979
6805	LOC103218	13.62634	3.334833	0.874175	3.814835	0.000136	0.000532	1.626259	2.189647	3.478657	26.78552	40.6431	7.034856
19567	LOC10323	1.095327	3.332959	3.059991	1.089205	0.276063	0.375078	0.542086	0	0	0	0	6.029877
12780	FBXO47	4.912996	3.332838	1.485857	2.243041	0.024894	0.051785	0	0	2.782925	6.696381	14.97377	5.024897
13410	KCNU1	3.358556	3.332432	1.568258	2.124925	0.033593	0.066599	0	1.094824	0.695731	8.928508	6.417332	3.014938
3267	LRP2	35.6652	3.331842	0.548344	6.076186	1.23E-09	1.00E-08	5.96295	4.926706	8.348776	58.0353	100.5382	36.17926
3686	IL1RL1	24.22829	3.33177	0.589318	5.653605	1.57E-08	1.13E-07	3.794605	4.379295	4.87012	42.41041	57.75599	32.15934
15814	FOXK2	3.187864	3.331467	1.961083	1.698789	0.089359	0.150225	0	1.642235	0	8.928508	8.556443	0
4722	KRT1	27.8948	3.331227	0.684307	4.868031	1.13E-06	6.35E-06	1.626259	3.284471	10.43597	46.87467	77.00798	28.13943
11093	RBPJL	8.699036	3.330674	1.277447	2.607289	0.009126	0.021872	0	0	4.87012	15.62489	25.66933	6.029877
13757	TBC1D28	4.809451	3.330401	1.620045	2.055746	0.039807	0.076921	0.542086	0	2.087194	13.39276	12.83466	0
11901	LOC119624	4.553546	3.330269	1.373628	2.424433	0.015332	0.03425	0	1.094824	1.391463	13.39276	6.417332	5.024897
12414	LOC119618	4.646724	3.329355	1.436373	2.31789	0.020455	0.043807	0	0.547412	2.087194	2.232127	14.97377	8.039836
10902	UCP1	5.894245	3.329062	1.256071	2.650376	0.00804	0.019606	0	0.547412	2.782925	11.16063	12.83466	8.039836
8599	LOC119624	9.237298	3.328811	1.030633	3.229869	0.001238	0.003829	0	1.642235	3.478657	17.85702	21.39111	11.05477
6524	LOC10322	26.78045	3.328781	0.847192	3.929191	8.52E-05	0.000347	0.542086	1.094824	13.2189	49.10679	70.59065	26.12947
9225	SYL2	7.881096	3.328522	1.091679	3.048993	0.002296	0.006617	0	2.189647	2.087194	17.85702	17.11289	8.039836
6366	COL2A1	20.71824	3.327916	0.832679	3.996636	6.42E-05	0.000268	0	4.379295	6.957314	42.41041	53.47777	17.08465
10006	LOC10321	7.756913	3.327885	1.163736	2.859656	0.004241	0.011268	0	2.737059	1.391463	24.5534	12.83466	5.024897
12347	VTN	5.249728	3.327505	1.425283	2.334628	0.019563	0.042122	1.626259	1.094824	0	2.232127	23.53022	3.014938
13163	PLA2G2C	4.934522	3.326333	1.527224	2.178026	0.029404	0.059387	0	0	2.782925	6.696381	17.11289	3.014938
1704	LOC10324	58.84654	3.324837	0.381483	8.715553	2.89E-18	4.51E-17	11.9259	12.04306	7.653045	111.6063	113.3729	96.47803
18002	LOC103228	1.154768	3.324304	2.476783	1.342186	0.179536	0.26512	0	0.547412	0	2.232127	2.139111	2.009959
18003	ADAM7	1.154768	3.324304	2.476783	1.342186	0.179536	0.26512	0	0.547412	0	2.232127	2.139111	2.009959
17955	LELP1	1.179488	3.324245	2.462192	1.350116	0.176979	0.261984	0	0	0.695731	2.232127	2.139111	2.009959
17956	LOC103228	1.179488	3.324245	2.462192	1.350116	0.176979	0.261984	0	0	0.695731	2.232127	2.139111	2.009959
17957	LOC10323	1.179488	3.324245	2.462192	1.350116	0.176979	0.261984	0	0	0.695731	2.232127	2.139111	2.009959
17959	PRR15L	1.179488	3.324245	2.462192	1.350116	0.176979	0.261984	0	0	0.695731	2.232127	2.139111	2.009959
6664	CCN4	13.63839	3.323225	0.85827	3.872005	0.000108	0.000431	0.542086	2.189647	4.87012	15.62489	38.50399	20.09959
12402	CNTN6	4.705277	3.321704	1.431369	2.320648	0.020306	0.043528	0	0.547412	2.087194	4.464254	17.11289	4.019918
10964	ARGFX	5.752784	3.321071	1.259785	2.636222	0.008383	0.020326	1.084173	0	2.087194	15.62489	10.69555	5.024897
11164	LOC10323	5.86324	3.32046	1.282698	2.588654	0.009635	0.022944	0	0.547412	2.782925	6.696381	17.11289	8.039836
13369	LOC11962	4.919019	3.320444	1.557141	2.132397	0.032974	0.065571	0	0	2.782925	4.464254	19.252	3.014938
11936	GPR62	5.627714	3.320171	1.37347	2.417361	0.015634	0.03482	1.626259	0	1.391463	22.32127	6.417332	2.009959
10315	CUNH3orf	7.109874	3.319757	1.191905	2.785253	0.005349	0.013784	0.542086	0	3.478657	15.62489	14.97377	8.039836
11952	LOC103228	4.507038	3.317948	1.37457	2.413809	0.015787	0.035115	0	1.094824	1.391463	6.696381	12.83466	5.024897
10741	LOC103234	5.702029	3.317857	1.236984	2.682216	0.007314	0.018102	0	1.094824	2.087194	11.16063	12.83466	7.034856
12803	SHH	4.688887	3.317787	1.48214	2.238511	0.025188	0.052302	0.542086	0	2.087194	2.232127	19.252	4.019918
9509	LOC10323	7.849776	3.317767	1.112332	2.982714	0.002857	0.007988	1.626259	0.547412	2.087194	11.16063	27.80844	4.019918
12303	LOC119618	4.595709	3.317366	1.415442	2.343695	0.019094	0.041261	0.542086	0.547412	1.391463	13.39276	10.69555	1.004979
18823	LOC119618	1.190908	3.316026	2.729615	1.214833	0.22443	0.316977	0.542086	0	0	4.464254	2.139111	0
18813	LOC119618	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18814	LOC103218	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18815	KRBOX1	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18816	LOC119618	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18817	LOC119618	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18818	LOC119620	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18821	PAGE3	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
18822	LOC10322	1.191796	3.315992	2.729001	1.215094	0.22433	0.316862	0	0.547412	0	4.464254	2.139111	0
14025	CYP4F22	23.66822	3.315958	1.651032	2.008415	0.044599	0.084534	0	0.547412	12.52316	33.4819	66.31243	29.1444
18763	LOC103238	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18764	LOC103238	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18765	LALBA	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18766	LOC119624	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18767	LOC119628	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18768	IQCF3	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18769	LOC119628	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18770	RIBC2	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795						



18771	GPR18	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
18774	LOC103225	1.216516	3.315041	2.712157	1.222289	0.221598	0.313795	0	0	0.695731	4.464254	2.139111	0
4051	SCUBE3	54.90004	3.314578	0.621637	5.332015	9.71E-08	6.37E-07	2.168345	6.02153	22.2634	98.21359	145.4595	55.27387
8227	GJA5	22.11283	3.313974	0.992794	3.338028	0.000844	0.002727	0	0.547412	11.82743	40.17829	62.03421	18.08963
26658	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27013	OMD	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27077	LOC119624	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27245	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27733	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27763	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
27956	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28033	TTR	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28035	LOC119618	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28149	GOT1L1	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28243	LOC119615	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28295	LOC119615	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28312	LOC119615	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28582	LOC103235	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28783	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28883	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
28966	LOC103234	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
29005	LOC119625	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
29207	LOC103225	0.50249	3.311691	4.047647	0.818177	0.413256	NA	0	0	0	0	0	3.014938
11008	LOC119628	5.723554	3.311246	1.260127	2.627709	0.008596	0.02076	0	1.094824	2.087194	11.16063	14.97377	5.024897
14740	LOC119628	3.098306	3.309596	1.757718	1.882893	0.059715	0.107701	0	1.642235	0	2.232127	10.69555	4.019918
18654	GADD45G	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18656	LOC119624	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18658	LOC119625	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18659	LOC119625	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18661	LOC103245	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18664	LOC119620	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18666	LOC119625	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18669	LOC119625	1.163985	3.30907	2.684343	1.23273	0.217677	0.310012	0	0	0.695731	0	4.278221	2.009959
18750	GK2	1.139265	3.309049	2.702524	1.224429	0.22079	0.313035	0	0.547412	0	0	4.278221	2.009959
18751	GNRHR	1.139265	3.309049	2.702524	1.224429	0.22079	0.313035	0	0.547412	0	0	4.278221	2.009959
4709	NOS1	38.32845	3.308841	0.67815	4.87922	1.07E-06	6.01E-06	3.794605	2.189647	15.30609	95.98146	85.56443	27.13445
6647	ENTPD1	20.03977	3.307436	0.852587	3.879293	0.000105	0.000419	0.542086	1.642235	9.044508	46.87467	47.06043	15.07469
93	SMTNL2	733.0564	3.307322	0.134239	24.63764	4.99E-134	1.43E-131	125.222	142.3271	136.3633	1381.687	1244.962	1367.777
2194	LOC103244	47.85344	3.307203	0.433843	7.623034	2.48E-14	3.00E-13	5.96295	10.94824	9.740239	73.66019	81.28621	105.5228
7971	IQSEC3	12.75078	3.305193	0.966757	3.418847	0.000629	0.002097	0	1.642235	5.565851	17.85702	36.36488	15.07469
6909	ARHGEF15	16.43993	3.305073	0.875649	3.774425	0.00016	0.000617	0.542086	1.094824	7.653045	40.17829	32.08666	17.08465
8566	NLRP3	9.261131	3.304969	1.020655	3.238086	0.001203	0.003735	0.542086	0.547412	4.174388	17.85702	21.39111	11.05477
10394	LOC119625	5.456394	3.3047	1.194121	2.767476	0.005649	0.014449	0.542086	1.094824	1.391463	6.696381	14.97377	8.039836
7890	GJB1	12.73952	3.302945	0.95886	3.444657	0.000572	0.001927	1.084173	0.547412	5.565851	13.39276	42.78221	13.06473
15621	LOC119625	2.358976	3.301679	1.911669	1.727118	0.084146	0.143097	0	0	1.391463	4.464254	4.278221	4.019918
10930	CYP4X1	8.488488	3.300913	1.248227	2.64448	0.008182	0.0199	0	0	4.87012	15.62489	21.39111	9.044815
7076	LOC119620	14.87449	3.300327	0.891112	3.703606	0.000213	0.000799	0	2.189647	6.261582	22.32127	36.36488	22.10955
10613	MMO2	5.545065	3.299875	1.214057	2.718056	0.006567	0.016449	1.084173	0.547412	1.391463	13.39276	12.83466	4.019918
18901	CRYBA1	1.175406	3.29966	2.739253	1.204584	0.228364	0.321203	0.542086	0	0	2.232127	4.278221	0
18892	LOC119620	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18893	LOC119625	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18894	LOC119625	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18896	LOC103247	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18897	LUZP4	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18898	LOC119625	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
18899	LOC103246	1.176293	3.299628	2.738626	1.204848	0.228262	0.321094	0	0.547412	0	2.232127	4.278221	0
11691	LYG2	4.329437	3.299042	1.333943	2.47315	0.013393	0.030455	0.542086	1.094824	0.695731	8.928508	10.69555	4.019918
18840	LOC119620	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18841	LOC119620	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18842	LOC103245	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18845	LOC103225	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18846	LOC119625	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18848	PRND	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
18850	DEFA5	1.201013	3.298722	2.721445	1.212122	0.225466	0.317985	0	0	0.695731	2.232127	4.278221	0
8662	LOC119625	16.87474	3.298275	1.026458	3.213258	0.001312	0.004028	0	0.547412	9.044508	20.08914	53.47777	18.08963
4436	LOC103245	32.84551	3.298195	0.652683	5.053285	4.34E-07	2.60E-06	1.084173	4.926706	12.52316	46.87467	83.42532	48.23901
9768	LOC103225	6.641017	3.296918	1.132248	2.911833	0.003593	0.009779	1.084173	0.547412	2.087194	6.696381	21.39111	8.039836
9443	LOC103235	11.99233	3.29577	1.099006	2.998864	0.00271	0.007629	0	0.547412	6.261582	35.71403	21.39111	8.039836
19636	LOC119615	1.159903	3.295094	3.051946	1.07967	0.280289	0.379481	0.542086	0	0	0	6.417332	0
19632	LOC119625	1.160791	3.295069	3.05117	1.079936	0.280171	0.379398	0	0.547412	0	0	6.417332	0
12856	LOC119625	4.336347	3.295061	1.479153	2.227668	0.025903	0.053564	0	1.642235	0.695731	6.696381	14.97377	2.009959
19581	APOA4	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19582	IL17C	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19583	LOC103224	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0



19584	HMX1	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19585	ADAM2	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19587	LOC103231	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19588	LOC119620	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
19589	CUNH16or	1.185511	3.294375	3.029927	1.087278	0.276914	0.375811	0	0	0.695731	0	6.417332	0
11141	VIPR1	6.915087	3.293911	1.269995	2.59364	0.009497	0.022661	0	1.094824	2.782925	8.928508	25.66933	3.014938
15791	LOC119624	2.396004	3.292675	1.933209	1.703218	0.088527	0.149012	0	0	1.391463	6.696381	4.278221	2.009959
15793	NKX6-2	2.396004	3.292675	1.933209	1.703218	0.088527	0.149012	0	0	1.391463	6.696381	4.278221	2.009959
15794	LOC103227	2.396004	3.292675	1.933209	1.703218	0.088527	0.149012	0	0	1.391463	6.696381	4.278221	2.009959
8804	LOC119627	9.111965	3.291307	1.037341	3.17283	0.00151	0.004558	0.542086	1.094824	3.478657	17.85702	25.66933	6.029877
14672	GHRH	4.095847	3.291055	1.737938	1.893655	0.058271	0.105585	1.084173	1.094824	0	0	21.39111	1.004979
16178	LOC103216	2.159849	3.290756	2.018383	1.630392	0.103019	0.169289	0.542086	0	0.695731	6.696381	0	5.024897
8498	CACNG2	19.33233	3.29039	1.010428	3.256433	0.001128	0.003529	0	0.547412	10.43597	53.57105	36.36488	15.07469
14032	LOC103245	3.575492	3.290355	1.639247	2.007235	0.044725	0.084735	0	0	2.087194	8.928508	6.417332	4.019918
15315	CTXN2	3.465924	3.290239	1.851645	1.776928	0.07558	0.131198	0.542086	0	1.391463	17.85702	0	1.004979
3302	ZSCAN1	36.34999	3.290048	0.544935	6.037501	1.57E-09	1.26E-08	2.710432	10.40082	6.957314	73.66019	79.14709	45.22408
237	SERPINA5	432.298	3.289336	0.174974	18.79896	7.70E-79	8.64E-77	86.19173	70.06871	85.57496	716.5128	737.9932	897.4467
9357	LOC119627	6.495309	3.288901	1.090271	3.01659	0.002556	0.007263	1.084173	1.094824	1.391463	13.39276	14.97377	7.034856
6425	LOC103228	34.73634	3.28889	0.828355	3.970388	7.18E-05	0.000297	0.542086	1.094824	18.08902	75.89232	70.59065	42.20914
7430	LOC119619	9.735607	3.288604	0.916808	3.587014	0.000334	0.001197	1.626259	1.094824	2.782925	11.16063	25.66933	16.07967
8348	KLK10	19.2798	3.28848	0.997426	3.296968	0.000977	0.003112	0	0.547412	10.43597	49.10679	38.50399	17.08465
13278	NFAM1	39.21231	3.287858	1.527886	2.1519	0.031405	0.062879	0.542086	0.547412	20.87194	80.35657	104.8164	28.13943
10508	LOC103247	7.722095	3.287724	1.198567	2.743045	0.006087	0.015401	2.168345	0	2.087194	13.39276	25.66933	3.014938
13890	LOC119627	6.008948	3.287531	1.617734	2.032183	0.042135	0.080639	0	0	3.478657	0	23.53022	9.044815
7070	LOC103234	12.38416	3.287272	0.887346	3.704611	0.000212	0.000796	0.542086	1.642235	4.87012	20.08914	32.08666	15.07469
26600	LOC119626	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26630	ANGPTL3	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26837	LOC103235	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26880	LOC103238	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26887	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26912	LOC103223	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26938	LOC103223	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26967	LOC119624	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26969	LOC119624	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27012	LOC119624	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27020	HSD17B3	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27053	LOC119624	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27095	LOC103235	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27233	UNC93A	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27403	LOC119625	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27411	LOC119625	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27451	SPINK8	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27499	LOC119626	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27526	LOC119626	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27549	CLDN25	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27593	LOC103247	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27598	HBB	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27622	LOC119626	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27649	POM121L2	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27668	LOC103227	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27703	LOC119627	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27715	LOC119627	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
27918	LOC119628	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28060	LOC119618	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28062	LOC119618	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28075	LOC119618	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28085	WFDC12	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28179	LOC119618	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28213	LOC119618	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28244	RD3L	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28255	LOC119619	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28272	LOC103219	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28313	LOC119619	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28321	LOC119619	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28370	LOC119619	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28398	LOC119619	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28422	LOC103230	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28438	LOC103247	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28549	LOC103247	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28551	LOC103233	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28558	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28575	LOC103233	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28603	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28613	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979



28723	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28771	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28791	LOC103230	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28800	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28803	LOC103220	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28819	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28829	LOC103210	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28912	LOC103220	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28937	LOC103230	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
28971	LOC103240	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
29077	SCP2D1	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
29098	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
29175	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
29237	LOC119620	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
29415	LOC103240	0.524015	3.287001	3.974917	0.826936	0.408274	NA	0	0	0	0	2.139111	1.004979
26594	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26606	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26662	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26680	IL17B	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26780	IL2	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26847	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26870	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26941	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26981	LOC103210	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
26992	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27018	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27058	LOC103230	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27070	LOC103230	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27121	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27208	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27318	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27339	SPACA1	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27357	LOC103240	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27416	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27420	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27529	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27538	LOC103240	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27599	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27636	TRNAA-CG	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27670	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27743	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27867	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27929	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
27999	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28061	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28080	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28109	CST9L	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28141	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28198	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28207	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28214	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28282	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28302	LOC119610	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28308	SLC6A19	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28446	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28487	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28567	LOC103230	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28638	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28651	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
28737	LOC103240	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29101	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29105	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29198	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29209	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29320	LOC119620	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
29585	LOC103220	0.539518	3.286943	3.931957	0.835956	0.40318	NA	0	0	0	2.232127	0	1.004979
8418	SLC30A10	10.26045	3.286943	1.003054	3.276934	0.001049	0.003314	0.542086	1.094824	4.174388	15.62489	32.08666	8.039836
5955	LOC103220	16.86658	3.286631	0.785511	4.184068	2.86E-05	0.000128	2.168345	1.094824	6.261582	44.64254	29.94755	17.08465
15467	KLK12	2.145234	3.286395	1.877765	1.750163	0.08009	0.137661	0	0.547412	0.695731	4.464254	2.139111	5.024897
14373	LOC103210	3.61252	3.285627	1.686024	1.948742	0.051326	0.094935	0	0	2.087194	11.16063	6.417332	2.009959
4989	KCNC1	27.21748	3.285425	0.699695	4.695511	2.66E-06	1.42E-05	2.168345	2.737059	10.43597	66.96381	59.8951	21.10457
15817	ZNRF4	2.380501	3.284534	1.93544	1.697048	0.089688	0.150746	0	0	1.391463	4.464254	6.417332	2.009959
5678	SOX5	42.17455	3.283594	0.756996	4.337665	1.44E-05	6.74E-05	1.084173	3.284471	19.48048	78.12444	121.9293	29.1444
16860	GAST	2.433032	3.282807	2.169702	1.513022	0.130274	0.205417	0	0	1.391463	8.928508	4.278221	0



191	LRRC31	427.2524	3.281601	0.160071	20.50087	2.11E-93	2.94E-91	71.5554	82.65918	85.57496	772.3159	744.4105	806.9985
7700	NKX2-3	12.44873	3.280044	0.938883	3.493561	0.000477	0.001646	0.542086	1.642235	4.87012	20.08914	38.50399	9.044815
4528	TBC1D10C	27.78335	3.279883	0.65633	4.997307	5.81E-07	3.41E-06	4.336691	1.642235	9.740239	49.10679	72.72976	29.1444
12080	RASSF10	7.240543	3.278458	1.371303	2.390761	0.016813	0.037002	0	0	4.174388	24.5534	10.69555	4.019918
10197	ISLR2	52.18009	3.278343	1.163864	2.816774	0.004851	0.012647	1.626259	2.737059	25.04633	102.6778	134.764	46.22906
7561	LOC10322C	9.800813	3.278235	0.926714	3.537481	0.000404	0.00142	1.626259	0.547412	3.478657	20.08914	14.97377	18.08963
14218	LOC11962E	3.544487	3.277793	1.660647	1.973805	0.048404	0.090506	0	0	2.087194	4.464254	10.69555	4.019918
9551	FXYD3	7.797927	3.277434	1.102737	2.972089	0.002958	0.008233	0	1.094824	3.478657	11.16063	14.97377	16.07967
5094	LOC11962E	40.47388	3.277315	0.707552	4.631908	3.62E-06	1.89E-05	1.626259	3.284471	18.08902	89.28508	98.39909	32.15934
14427	SPATA16	3.507459	3.276921	1.689953	1.939061	0.052494	0.096732	0	0	2.087194	2.232127	10.69555	6.029877
10885	NLRP2	9.304644	3.276572	1.235084	2.652915	0.00798	0.01949	0	1.094824	4.174388	35.71403	12.83466	2.009959
13001	CABP2	4.723975	3.27656	1.487124	2.203286	0.027575	0.056381	0	0	2.782925	6.696381	12.83466	6.029877
16697	RAX2	2.306445	3.275768	2.122884	1.543075	0.122813	0.195543	0	0	1.391463	0	6.417332	6.029877
7442	LOC11962E	9.395907	3.275449	0.913863	3.584178	0.000338	0.001208	2.710432	1.094824	1.391463	17.85702	19.252	14.06971
14422	SLC14A2	3.581515	3.274298	1.688033	1.939712	0.052415	0.096619	0	0	2.087194	6.696381	10.69555	2.009959
16045	LOC11962E	2.364999	3.274276	1.975348	1.657569	0.097405	0.161398	0	0	1.391463	2.232127	8.556443	2.009959
139	HNMT	610.2359	3.272883	0.143644	22.78465	6.51E-115	1.25E-112	111.6698	118.241	112.7085	1216.509	1063.138	1039.149
18336	LOC11962E	2.042576	3.272799	2.562182	1.277348	0.201479	0.292128	0	1.094824	0	11.16063	0	0
8389	LOC10322E	9.806206	3.272711	0.995988	3.285895	0.001017	0.003222	1.626259	1.094824	2.782925	8.928508	36.36488	8.039836
6783	ZNFR814	13.82837	3.271111	0.855283	3.824594	0.000131	0.000513	4.336691	0.547412	2.782925	29.01765	34.22577	12.05975
13609	TBC1D21	3.383275	3.271088	1.566574	2.088052	0.036793	0.071875	0	0.547412	1.391463	8.928508	6.417332	3.014938
10906	GRIN2B	48.74234	3.270145	1.234145	2.649726	0.008056	0.019637	1.084173	2.189647	24.3506	91.51721	124.0684	49.24399
694	PCSK6	157.3522	3.270076	0.254444	12.85185	8.40E-38	3.22E-36	28.18849	36.12918	24.3506	267.8552	260.9715	326.6183
13248	LOC11961E	40.07785	3.269869	1.51522	2.158016	0.030927	0.062061	0	0	2.782925	4.464254	14.97377	6.029877
10104	LOC10322E	7.262718	3.268524	1.151879	2.837557	0.004546	0.011961	2.710432	0.547412	0.695731	8.928508	25.66933	5.024897
9898	GNA15	10.22724	3.268214	1.132777	2.885136	0.003912	0.010508	1.626259	0	4.174388	29.01765	23.53022	3.014938
14143	DEFB116	3.420303	3.266013	1.643871	1.986782	0.046947	0.088247	0	0.547412	1.391463	11.16063	6.417332	1.004979
1715	ADAMTS2	62.39367	3.265811	0.375861	8.688872	3.66E-18	5.67E-17	8.673382	12.04306	14.61036	122.767	119.7902	96.47803
3002	B3GNT3	40.07785	3.265682	0.509034	6.415453	1.40E-10	1.24E-09	4.336691	6.02153	12.52316	69.19594	94.12087	54.26889
13850	LOC11962E	3.315242	3.265462	1.600824	2.039863	0.041364	0.079392	0	0.547412	1.391463	2.232127	10.69555	5.024897
10755	GJA9	6.788076	3.265451	1.219237	2.678275	0.0074	0.018291	0	1.094824	2.782925	17.85702	14.97377	4.019918
15423	GABRR3	2.166759	3.264544	1.858172	1.756857	0.078942	0.136074	0	0.547412	0.695731	4.464254	4.278221	3.014938
12115	BPIFB2	4.333519	3.26369	1.369751	2.382689	0.017187	0.037714	0	1.094824	1.391463	8.928508	8.556443	6.029877
6819	KHDC1L	10.58125	3.262819	0.85639	3.80997	0.000139	0.000542	1.084173	2.189647	2.782925	20.08914	19.252	18.08963
17665	LOC10324E	36.76157	3.262287	2.342424	1.392697	0.163711	0.246378	0	0	20.87194	64.73168	104.8164	30.14938
12588	TRIM15	5.872457	3.262122	1.427014	2.285978	0.022256	0.047002	0	0	3.478657	4.464254	19.252	8.039836
8526	LOC10322E	18.91423	3.26093	1.004107	3.247591	0.001164	0.003629	0	0.547412	10.43597	26.78552	55.61688	20.09959
11205	LOC10321E	6.918282	3.260591	1.262888	2.581853	0.009827	0.023316	0	0.547412	3.478657	8.928508	23.53022	5.024897
12147	HOXC11	7.147526	3.260494	1.372195	2.376115	0.017496	0.038292	0	0	4.174388	11.16063	23.53022	4.019918
3987	LOC23A1	38.77312	3.260138	0.605644	5.382927	7.33E-08	4.89E-07	3.794605	7.663765	10.43597	66.96381	11.6511	26.12947
12982	LOC10322E	4.027556	3.259563	1.476898	2.207034	0.027312	0.05593	1.626259	0	0.695731	2.232127	8.556443	11.05477
12507	LOC10322E	5.447377	3.259321	1.41702	2.300124	0.021441	0.045576	0	1.642235	1.391463	20.08914	8.556443	1.004979
7897	SEZ6	13.45559	3.259031	0.947002	3.441418	0.000579	0.001948	0	2.189647	5.565851	24.5534	36.36488	12.05975
11821	LYZL4	4.369659	3.258882	1.333739	2.443418	0.014549	0.032717	0.542086	0.547412	1.391463	11.16063	8.556443	4.019918
10434	LOC10323E	6.302039	3.258146	1.18085	2.759154	0.005795	0.014766	0	2.189647	1.391463	15.62489	8.556443	10.04979
14644	LOC11962E	2.84382	3.257831	1.716535	1.897911	0.057708	0.104764	0.542086	1.094824	0	2.232127	2.139111	11.05477
7162	NR1I2	12.02444	3.257606	0.886141	3.676171	0.000237	0.000879	0.542086	2.189647	4.174388	20.08914	32.08666	13.06473
15615	LRRC10	2.151257	3.256082	1.88471	1.72763	0.084055	0.143097	0	0.547412	0.695731	2.232127	6.417332	3.014938
15637	LOC10324E	2.151257	3.256082	1.88471	1.72763	0.084055	0.143097	0	0.547412	0.695731	2.232127	6.417332	3.014938
865	LOC10324E	109.248	3.255538	0.278181	11.70296	1.23E-31	3.78E-30	18.97302	20.25424	22.95914	200.8914	207.4937	184.9162
15029	LOC11961E	2.933379	3.255226	1.780936	1.827818	0.067577	0.119542	0.542086	1.094824	0	8.928508	0	7.034856
4898	KRT9	44.75581	3.255095	0.686216	4.743545	2.10E-06	1.14E-05	0.542086	7.116354	18.08902	75.89232	117.6511	49.24399
5853	LOC10322E	25.88599	3.255068	0.766996	4.243917	2.20E-05	9.98E-05	0.542086	3.284471	11.1317	44.64254	70.59065	25.12449
884	TM4SF19	120.9089	3.255024	0.281209	11.57512	5.51E-31	1.66E-29	21.68345	19.15941	28.52499	238.8376	186.1026	231.1453
8382	LOC10324E	20.07177	3.254372	0.989534	2.388791	0.001006	0.003191	0	0.547412	11.1317	46.87467	47.82221	19.09461
13325	WFDC1	3.168646	3.253907	1.51833	2.143083	0.032106	0.064056	0.542086	0.547412	0.695731	8.928508	4.278221	4.019918
17605	TRNAV-AA	2.025299	3.253744	2.322091	1.401213	0.16115	0.24309	1.084173	0	0	8.928508	2.139111	0
6499	KCNH8	15.54275	3.25282	0.825563	3.940122	8.14E-05	0.000333	2.168345	4.379295	2.087194	20.08914	53.47777	11.05477
7744	RAX	11.9968	3.252371	0.934573	3.480061	0.000501	0.001721	2.168345	0.547412	4.174388	13.39276	40.6431	11.05477
15806	LOC10322E	2.203787	3.250949	1.912617	1.699739	0.08918	0.149997	0	0.547412	0.695731	6.696381	4.278221	1.004979
11717	SYCP2L	5.394846	3.250634	1.317466	2.467338	0.013612	0.030885	0	1.642235	1.391463	15.62489	10.69555	3.014938
8452	IQANK1	9.847316	3.250593	0.994613	3.2682	0.001082	0.003404	1.084173	1.094824	3.478657	11.16063	34.22577	8.039836
2959	OTOGL	32.1456	3.249167	0.501399	6.480208	9.16E-11	8.23E-10	6.505036	5.474118	6.261582	55.80317	70.59065	48.23901
14370	GSTA3	3.373795	3.248893	1.667103	1.948825	0.051316	0.09493	0	0.547412	1.391463	4.464254	12.83466	1.004979
11380	ARMC3	5.289785	3.247867	1.277736	2.541892	0.011025	0.025754	0	1.642235	1.391463	6.696381	14.97377	7.034856
7211	TNR	15.85301	3.246779	0.886292	3.663329	0.000249	0.000918	1.084173	0.547412	7.653045	31.24978	38.50399	16.07967
12642	ENPP6	4.324039	3.245839	1.428539	2.27214	0.023078	0.048531	0	1.094824	1.391463	4.464254	14.97377	4.019918
6389	LOC11962E	20.23472	3.245799	0.81486	3.98326	6.80E-05	0.000283	1.626259	1.094824	9.044508	37.94616	55.61688	16.07967
9381	NMBR	7.734604	3.245632	1.077477	3.012252	0.002593	0.007349	0.542086	0.547412	3.478657	20.08914	10.69555	11.05477
10743	LOC11961E	6.400981	3.245628	1.210445	2.681351	0.007333	0.018145	1.626259	0.547412	1.391463	17.85702	14.97377	2.009959
8553	LOC11962E	9.338607	3.245578	1.001718	2.340013	0.001195	0.003715	3.252518	0.547412	1.391463	24.5534	19.252	7.034856
136													



15008	LOC119621	2.955792	3.242393	1.769728	1.832141	0.06693	0.118563	0	1.642235	0	8.928508	2.139111	5.024897
14432	SLC24A3	23.8212	3.242241	1.67269	1.93834	0.052582	0.096865	0	0.547412	13.2189	35.71403	66.31243	27.13445
8821	ADGRG4	16.00892	3.24219	1.023661	3.16725	0.001539	0.004638	0	1.642235	7.653045	37.94616	42.78221	6.029877
5122	LOC119621	17.60482	3.241315	0.701922	4.617771	3.88E-06	2.01E-05	3.794605	3.284471	2.782925	40.17829	38.50399	17.08465
14048	PTPN20	3.191059	3.241108	1.616391	2.005151	0.044947	0.085053	0	1.094824	0.695731	8.928508	6.417332	2.009959
14049	LOC103234	3.191059	3.241108	1.616391	2.005151	0.044947	0.085053	0	1.094824	0.695731	8.928508	6.417332	2.009959
7538	PRKG2	15.64707	3.240876	0.913807	3.546566	0.00039	0.001376	0	2.189647	6.957314	29.01765	40.6431	15.07469
10	ASAH1	11454.58	3.240573	0.082545	39.25833	0	0	2175.393	2242.746	2158.159	20591.37	19955.76	21604.04
14078	IQCM	2.902374	3.240334	1.621758	1.998038	0.045713	0.086316	0.542086	1.094824	0	4.464254	4.278221	7.034856
4973	MYOG	27.40446	3.239685	0.689072	4.70152	2.58E-06	1.38E-05	3.252518	1.642235	11.1317	78.12444	32.08666	38.18922
15950	TEX37	1.95213	3.238286	1.931943	1.67618	0.093703	0.156181	0.542086	0.547412	0	4.464254	2.139111	4.019918
7533	CUNH4orf1	25.57247	3.238258	0.912653	3.548183	0.000388	0.001369	0	1.094824	13.91463	55.80317	53.47777	29.1444
9056	CDR1	10.09101	3.237261	1.046551	3.093265	0.00198	0.005812	0	1.094824	4.87012	17.85702	25.66933	11.05477
11389	LOC103214	5.33106	3.236664	1.274468	2.539619	0.011097	0.025904	1.084173	0.547412	1.391463	6.696381	19.252	3.014938
9369	SLC28A3	10.1857	3.236149	1.0737	3.014016	0.002578	0.007313	0.542086	0.547412	4.87012	22.32127	27.80844	5.024897
9198	LOC103230	7.115069	3.236075	1.059221	3.055146	0.00225	0.006502	2.168345	1.094824	0.695731	17.85702	12.83466	8.039836
10752	SLC18A1	11.80304	3.235926	1.208036	2.678666	0.007392	0.018276	0	0	6.957314	29.01765	27.80844	7.034856
6108	CMKLR1	35.51688	3.234788	0.785893	4.116067	3.85E-05	0.000168	0.542086	2.189647	18.08902	80.35657	72.72976	39.1942
13747	MYCT1	3.893005	3.234577	1.57086	2.059112	0.039483	0.076356	2.168345	0	0	4.464254	10.69555	6.029877
11812	TRIML1	6.983487	3.23432	1.322119	2.446316	0.014432	0.032483	0	0	4.174388	17.85702	12.83466	7.034856
14732	LOC119621	3.196194	3.2332	1.71672	1.883359	0.059652	0.107646	0.542086	0.547412	0.695731	6.696381	10.69555	0
6552	PNMA6E	15.03764	3.232506	0.824929	3.918529	8.91E-05	0.000361	1.084173	2.737059	4.87012	24.5534	44.92132	12.05975
9407	TMC2	9.628902	3.232107	1.075245	3.005926	0.002648	0.007483	0	2.737059	2.782925	31.24978	14.97377	6.029877
14044	LOC119615	3.986114	3.231327	1.610724	2.006134	0.044842	0.084889	0	2.189647	0	11.16063	8.556443	2.009959
8776	LOC119621	8.239457	3.231326	1.016153	3.179959	0.001473	0.004462	1.626259	1.642235	1.391463	8.928508	27.80844	8.039836
17489	HELT	2.011571	3.231325	2.287169	1.412806	0.157713	0.23947	0	1.094824	0	6.696381	4.278221	0
12852	LOC119621	3.978316	3.231178	1.450096	2.228251	0.025864	0.0535	1.084173	1.094824	0	13.39276	4.278221	4.019918
4663	BHLHE41	22.89701	3.230948	0.657818	4.911612	9.03E-07	5.15E-06	1.084173	6.02153	6.261582	33.4819	51.33866	39.1942
16791	TRIM61	2.157279	3.23048	2.11536	1.527154	0.126723	0.200624	0	0.547412	0.695731	0	10.69555	1.004979
16792	LOC103231	2.157279	3.23048	2.11536	1.527154	0.126723	0.200624	0	0.547412	0.695731	0	10.69555	1.004979
9301	SLC13A2	15.04077	3.229736	1.065231	3.031957	0.00243	0.006945	0	0.547412	8.348776	20.08914	49.19955	12.05975
12605	LOC103221	4.315188	3.229721	1.415395	2.281852	0.022498	0.04745	0	0.547412	2.087194	8.928508	4.278221	10.04979
11209	LOC119621	9.354509	3.229646	1.251169	2.581302	0.009843	0.023345	0	0	5.565851	17.85702	25.66933	7.034856
11682	PRDM14	5.168962	3.228909	1.304387	4.975422	0.013308	0.030283	1.626259	0.547412	0.695731	11.16063	14.97377	2.009959
4616	LOC119621	18.17383	3.228878	0.654026	4.936925	7.94E-07	4.57E-06	2.710432	4.379295	3.478657	33.4819	27.80844	37.18424
16591	LOC103231	1.990046	3.228803	2.07151	1.558671	0.119074	0.190802	0	1.094824	0	6.696381	2.139111	2.009959
4611	NTNG1	28.11488	3.228558	0.653781	4.938287	7.88E-07	4.54E-06	2.168345	7.663765	6.261582	51.33892	79.14709	22.10955
13899	HAND1	4.633992	3.228077	1.590409	2.029715	0.042386	0.08107	0	0	2.782925	17.85702	2.139111	5.024897
10539	LOC119621	9.131287	3.227054	1.179135	2.736798	0.006204	0.01565	0	0.547412	4.87012	13.39276	29.94755	6.029877
12659	LOC119621	4.976745	3.225431	1.422084	2.268102	0.023323	0.04898	1.626259	1.094824	0	11.16063	14.97377	1.004979
9141	NPAS4	15.0128	3.224859	1.050939	3.06855	0.002151	0.006256	0	0.547412	8.348776	40.17829	29.94755	11.05477
4970	LOC103221	17.1435	3.224291	0.685504	4.703533	2.56E-06	1.37E-05	3.794605	3.831883	2.087194	37.94616	32.08666	23.11453
8567	CALCR	10.8283	3.223282	0.995539	3.237724	0.001205	0.003739	1.084173	1.094824	4.174388	8.928508	40.6431	9.044815
7470	CATSPER1	10.53086	3.222626	0.90205	3.572556	0.000354	0.001258	1.084173	2.189647	2.782925	24.5534	23.53022	9.044815
7598	MYO7A	22.86688	3.221538	0.913423	3.526887	0.00042	0.001471	0	1.094824	12.52316	37.94616	53.47777	32.15934
12499	LOC103231	5.698938	3.22128	1.399333	2.302011	0.021335	0.045378	0	0	3.478657	6.696381	14.97377	9.044815
90	BMF	988.3651	3.221131	0.129091	24.95233	2.01E-137	5.95E-135	183.7673	190.4993	201.7621	1662.935	1713.428	1977.8
9075	DDX43	11.20204	3.220314	1.042204	3.089907	0.002002	0.005865	0	1.094824	5.565851	31.24978	19.252	10.04979
13564	LOC103241	4.624511	3.218545	1.53528	2.09639	0.036048	0.070652	0	0	2.782925	13.39276	8.556443	3.014938
16521	LOC119611	1.974543	3.21753	2.047633	1.571341	0.116103	0.18683	0	1.094824	0	4.464254	4.278221	2.009959
8248	LOC103234	8.017752	3.217332	0.965985	3.330624	0.000867	0.002793	1.084173	2.189647	1.391463	13.39276	14.97377	15.07469
9695	LOC103221	6.09574	3.217309	1.097222	2.932232	0.003365	0.009228	1.084173	1.094824	1.391463	13.39276	8.556443	11.05477
9852	LOC103241	6.315504	3.216504	1.112219	2.89197	0.003828	0.010331	1.084173	0.547412	2.087194	11.16063	14.97377	8.039836
14184	LOC119611	4.661539	3.215983	1.624539	1.979628	0.047745	0.089489	0	0	2.782925	15.62489	8.556443	1.004979
138	CDH16	4408.992	3.215673	0.141071	22.79476	5.17E-115	9.96E-113	925.8835	699.5923	947.5861	7549.053	7106.126	9225.712
11581	LOC103241	5.398041	3.215631	1.286822	2.498895	0.012458	0.028599	0	1.094824	2.087194	15.62489	8.556443	5.024897
14996	FAIM2	28.21621	3.215494	1.752324	1.834988	0.066508	0.117895	0	0.547412	16.00182	40.17829	83.42532	29.1444
9817	LOC103241	15.07843	3.213968	1.107854	2.901075	0.003719	0.010071	0	0	9.044508	31.24978	32.08666	18.08963
4256	LRR12	21.57643	3.213829	0.619836	5.184966	2.16E-07	1.35E-06	2.168345	4.379295	6.261582	37.94616	38.50399	40.19918
9875	PLA2G2F	8.923309	3.213701	1.112992	2.887442	0.003884	0.010456	0.542086	0	4.87012	20.08914	14.97377	13.06473
14252	LOC119621	2.944537	3.212724	1.632605	1.967851	0.049085	0.091561	1.084173	0.547412	0	4.464254	8.556443	3.014938
11385	FBXO40	5.330008	3.212248	1.264633	2.540063	0.011083	0.02588	0	1.094824	2.087194	8.928508	12.83466	7.034856
7125	RP111	25.87148	3.212203	0.870888	3.688424	0.000226	0.000842	0	2.189647	13.2189	37.94616	72.72976	29.1444
11512	LOC119611	5.382538	3.212092	1.278768	2.511864	0.01201	0.027734	0	1.094824	2.087194	13.39276	10.69555	5.024897
746	GALM	127.3752	3.211379	0.256919	12.49958	7.50E-36	2.67E-34	24.39389	24.63353	25.74206	216.5163	226.7457	246.22
16000	FNDC9	1.973655	3.211342	1.928274	1.665397	0.095834	0.159234	0.542086	0.547412	0	4.464254	4.278221	2.009959
13420	NANOG	4.556478	3.211317	1.512743	2.122843	0.033767	0.066892	0	0	2.782925	6.696381	12.83466	5.024897
12881	CCDC63	5.704961	3.210872	1.44498	2.222087	0.026277	0.054233	0	0	3.478657	4.464254	19.252	7.034856
16683	TPRX1	1.95904	3.210166	2.077874	1.544928	0.122364	0.194991	0	1.094824	0	2.232127	6.417332	2.009959
14269	LOC119611	2.945424	3.210153	1.632481	1.966425	0.049249	0.09176	0.542086	1.094824	0	4.464254	8.556443	3.014938
15251	SRRM4	31.69181	3.209243	1.79444	1.788437	0.073705	0.128481	0	0.547412	18.08902	73.66019	72.72976	25.12449
12453	TP53AIP1	4.142722	3.20692	1.388273	2.310007	0.020888	0.044591	1.084173	0	1.391463	8.928508	6.417332	7.034856
14324	C												



12670	SLC22A8	4.379764	3.205541	1.414298	2.266524	0.023419	0.04914	0	0.547412	2.087194	8.928508	10.69555	4.019918
8456	TPBGL	12.41888	3.205481	0.981241	3.266761	0.001088	0.00342	0.542086	3.831883	2.782925	31.24978	32.08666	4.019918
16890	EN2	15.30704	3.204968	2.124653	1.508467	0.131435	0.206892	0	0	9.044508	24.5534	49.19955	9.044815
13728	LCN9	4.578003	3.204253	1.551571	2.065167	0.038907	0.075347	0	0	2.782925	6.696381	14.97377	3.014938
5950	LOC103215	19.29695	3.203369	0.765369	4.185389	2.85E-05	0.000127	2.710432	1.094824	7.653045	40.17829	47.06043	17.08465
12000	LOC119621	4.128107	3.202959	1.330931	2.406554	0.016104	0.035679	0.542086	0.547412	1.391463	6.696381	8.556443	7.034856
12649	TNP1	5.571297	3.202875	1.410304	2.271053	0.023144	0.048642	0	0.547412	2.782925	6.696381	21.39111	2.009959
8350	ZNF470	8.886863	3.202636	0.971483	3.296646	0.000978	0.003115	1.084173	3.284471	0.695731	20.08914	17.11289	11.05477
15191	LOC119621	3.460526	3.202556	1.781502	1.797671	0.072229	0.126405	0	0	2.087194	13.39276	4.278221	1.004979
14243	LOC119621	4.615031	3.20208	1.626475	1.968723	0.048985	0.091426	0	0	2.782925	8.928508	14.97377	1.004979
8101	ROS1	9.10574	3.201575	0.947156	3.380199	0.000724	0.002377	1.626259	2.189647	1.391463	17.85702	23.53022	8.039836
51	ELF3	2152.494	3.201027	0.10721	29.85756	7.00E-196	3.65E-193	430.9587	410.0114	427.1791	3770.062	3640.766	4235.988
8503	TDRD1	19.20051	3.200755	0.983095	3.255793	0.001131	0.003535	0	1.094824	10.43597	24.5534	62.03421	17.08465
12053	LOC103221	5.318752	3.200385	1.335199	2.396935	0.016533	0.036466	1.084173	0	2.087194	4.464254	19.252	5.024897
8831	CUNH9orf1	8.544899	3.200041	1.011838	3.162603	0.001564	0.004707	0.542086	1.094824	3.478657	17.85702	19.252	9.044815
12885	PDE11A	5.555795	3.198576	1.439861	2.221448	0.026321	0.054306	0	0.547412	2.782925	4.464254	23.53022	2.009959
10082	ABCA6	7.58326	3.196754	1.124997	2.841566	0.004489	0.011838	3.252518	1.094824	0	6.696381	21.39111	13.06473
14628	LOC119621	3.392493	3.196197	1.680863	1.901522	0.057234	0.104014	0	0	2.087194	6.696381	8.556443	3.014938
538	MAF	244.21	3.195569	0.224885	14.20981	7.96E-46	3.94E-44	42.28274	41.05589	61.92009	484.3716	374.3444	461.2856
11560	LOC103221	7.964473	3.194569	1.276473	2.502653	0.012327	0.028348	0	0	4.87012	15.62489	19.252	8.039836
9346	WNT1	6.895042	3.194016	1.0577	3.019776	0.00253	0.007195	2.168345	1.094824	0.695731	13.39276	14.97377	9.044815
5244	RFX4	29.17369	3.193323	0.700888	4.55611	5.21E-06	2.64E-05	3.252518	1.094824	13.2189	60.26743	62.03421	35.17428
11157	EYA2	6.602249	3.192922	1.232707	2.590171	0.009593	0.022858	0	0.547412	3.478657	17.85702	10.69555	7.034856
10200	RHBDL2	6.335089	3.19273	1.133817	2.815912	0.004864	0.012676	0.542086	0.547412	2.782925	13.39276	10.69555	10.04979
8748	KCNK2	12.00108	3.190226	1.000227	3.189504	0.001425	0.004331	1.084173	0.547412	5.565851	24.5534	34.22577	6.029877
1373	SPOCK3	75.34146	3.189862	0.33068	9.646358	5.09E-22	9.86E-21	14.09425	15.87494	14.61036	154.0168	119.7902	133.6623
7029	PLCB2	22.65339	3.189587	0.856835	3.722522	0.000197	0.000746	0	3.831883	9.740239	37.94616	66.31243	18.08963
8884	TVP23A	8.247621	3.189074	1.012999	3.14815	0.001643	0.004917	0.542086	1.642235	2.782925	8.928508	23.53022	12.05975
12228	LOC119621	3.913477	3.188483	1.350479	2.361001	0.018226	0.039625	1.084173	0.547412	0.695731	6.696381	6.417332	8.039836
547	FOXJ1	240.8162	3.188239	0.22546	14.14106	2.12E-45	1.03E-43	43.909	41.05589	58.44144	515.6213	365.7879	420.0814
10188	LOC119621	6.135962	3.188192	1.131371	2.817991	0.004833	0.01261	1.084173	0.547412	2.087194	15.62489	6.417332	11.05477
8177	LOC119621	10.66834	3.187444	0.950495	3.353457	0.000798	0.002595	0.542086	1.094824	4.87012	15.62489	27.80844	14.06971
10270	LOC119621	6.356614	3.185903	1.139499	2.795881	0.005176	0.013398	0.542086	0.547412	2.782925	13.39276	12.83466	8.039836
759	MMPI3	146.6927	3.185232	0.256295	12.42799	1.84E-35	6.45E-34	26.56223	35.58177	25.04633	258.9267	239.5804	294.459
9906	LRRRC30	11.03109	3.184012	1.104103	2.883799	0.003929	0.010545	0	1.094824	5.565851	24.5534	29.94755	5.024897
17225	LOC119621	19.78904	3.183855	2.17557	1.463458	0.143342	0.221234	0	0	11.82743	44.64254	49.19955	13.06473
7947	GABRA4	20.03464	3.182912	0.929388	3.424741	0.000615	0.002059	1.084173	0	11.1317	37.94616	44.92132	25.12449
8304	MAGEA3	13.60172	3.181691	0.960662	3.311979	0.000926	0.002966	0.542086	2.737059	4.87012	8.928508	53.47777	11.05477
12762	LOC119621	5.614978	3.179933	1.414636	2.247881	0.024584	0.051211	0	0	3.478657	15.62489	8.556443	6.029877
12954	LOC103231	4.172045	3.178827	1.436811	2.212419	0.026938	0.055283	0	1.094824	1.391463	6.696381	12.83466	3.014938
11382	AQP9	4.891269	3.17626	1.249653	2.541713	0.011031	0.025765	1.084173	1.094824	0.695731	4.464254	14.97377	7.034856
4888	CD209	26.10582	3.17616	0.668876	4.748505	2.05E-06	1.11E-05	4.336691	1.642235	9.740239	58.0353	57.75599	25.12449
7650	LOC103231	12.21416	3.173359	0.904104	3.509951	0.000448	0.001557	3.252518	0	4.174388	20.08914	25.66933	20.09959
12936	LOC103221	3.936778	3.173245	1.432339	2.215429	0.026731	0.054935	0	1.642235	0.695731	6.696381	8.556443	6.029877
490	LOC103241	196.874	3.17264	0.215268	14.73806	3.67E-49	1.99E-47	44.45108	34.48694	38.96096	348.2118	359.3706	355.7627
12947	GLRA1	5.621	3.172106	1.432785	2.213945	0.026833	0.055097	0	0	3.478657	13.39276	12.83466	4.019918
9799	CD207	8.568731	3.172035	1.091924	2.904996	0.003673	0.009964	1.084173	0	4.174388	17.85702	19.252	9.044815
5742	HVCN1	15.29203	3.16966	0.736236	4.305226	1.67E-05	7.72E-05	2.168345	2.189647	4.87012	33.4819	29.94755	19.09461
10404	LOC119621	7.158579	3.169439	1.146008	2.765633	0.005681	0.014517	0	2.189647	2.087194	13.39276	19.252	6.029877
14536	CR2	4.125537	3.167272	1.650272	1.919243	0.054954	0.100505	0	1.094824	1.391463	0	19.252	3.014938
14159	PDE6C	3.775567	3.16631	1.596605	1.983152	0.04735	0.088905	0	2.189647	0	11.16063	4.278221	5.024897
12148	LOC119621	5.302197	3.166171	1.332635	2.375873	0.017507	0.038314	0	0.547412	2.782925	4.464254	14.97377	9.044815
11184	LOC103231	7.33006	3.166045	1.22476	2.585032	0.009737	0.023145	1.084173	0.547412	2.782925	4.464254	32.08666	3.014938
4120	ITGAL	27.61648	3.165889	0.600023	5.276277	1.32E-07	8.51E-07	3.794605	3.831883	9.044508	53.57105	66.31243	29.1444
6671	LOC103241	15.91709	3.165288	0.81827	3.868267	0.00011	0.000437	5.420864	0.547412	3.478657	33.4819	38.50399	14.06971
5137	LOC103211	20.32973	3.164654	0.686783	4.60794	4.07E-06	2.10E-05	1.084173	4.379295	6.957314	33.4819	44.92132	31.15436
6908	SCGN	12.16235	3.164031	0.838287	3.774399	0.00016	0.000617	1.084173	1.642235	4.87012	17.85702	21.39111	26.12947
14650	CT45A10	3.01754	3.163997	1.667833	1.89707	0.057819	0.104922	0	1.094824	0.695731	11.16063	2.139111	3.014938
5323	KRT76	19.61298	3.162999	0.701704	4.507594	6.56E-06	3.27E-05	2.168345	2.189647	7.653045	33.4819	47.06043	25.12449
14124	LOC103231	3.016652	3.16288	1.58956	1.989784	0.046615	0.087741	0.542086	0.547412	0.695731	11.16063	2.139111	3.014938
6866	CLEC17A	12.17183	3.161113	0.834147	3.789637	0.000151	0.000584	2.168345	1.642235	3.478657	29.01765	25.66933	11.05477
9736	SLC32A1	13.30327	3.160916	1.082558	2.919857	0.003502	0.009562	0	0.547412	7.653045	40.17829	21.39111	10.04979
10309	LOC119621	7.384996	3.159988	1.133879	2.786883	0.005322	0.013724	0	1.094824	3.478657	17.85702	12.83466	9.044815
13976	LOC119621	4.450992	3.159984	1.567289	2.01621	0.043778	0.083274	0	0	2.782925	15.62489	4.278221	4.019918
320	RASD2	309.234	3.159653	0.186773	16.91708	3.37E-64	2.80E-62	56.91907	64.04718	66.79021	535.7105	504.8301	627.1072
4133	LOC103221	26.46256	3.159652	0.599568	5.269884	1.37E-07	8.78E-07	4.336691	7.116354	4.174388	60.26743	57.75599	25.12449
14750	LOC103221	3.169271	3.159397	1.67943	1.881232	0.05994	0.108035	0	0.547412	1.391463	2.232127	12.83466	2.009959
9274	CD40LG	13.17669	3.157737	1.039092	3.03894	0.002374	0.006806	0	0.547412	7.653045	31.24978	23.53022	16.07967
16433	FAM3D	2.175977	3.156417	1.993218	1.583578	0.11329	0.183278	0	0	1.391463	2.232127	6.417332	3.014938
16574	LOC119621	2.228507	3.156331	2.020789	1.56193	0.118305	0.189751	0	0	1.391463	6.696381	4.278221	1.004979
16576	TRIM69	2.228507	3.156331	2.020789	1.56193	0.118305	0.189751	0	0	1.391463	6.696381	4.278221	1.004979
15647	LOC103241	3.15288	3.154915	1.828658	1.7252								



4410	PCDH15	26.22194	3.152307	0.621429	5.072672	3.92E-07	2.36E-06	4.336691	3.831883	7.653045	69.19594	49.19955	23.11453
5577	CPNE5	16.96452	3.150257	0.718768	4.382855	1.17E-05	5.58E-05	2.710432	3.284471	4.174388	40.17829	36.36488	15.07469
11167	GRM5	7.573755	3.150099	1.217354	2.587662	0.009663	0.023004	0	0.547412	4.174388	11.16063	23.53022	6.029877
9781	LOC103216	12.05486	3.149935	1.082801	2.909062	0.003625	0.009852	0.542086	0	6.957314	31.24978	23.53022	10.04979
14385	ZBBX	2.986534	3.149461	1.616997	1.947723	0.051448	0.095082	0	1.094824	0.695731	6.696381	6.417332	3.014938
584	LOC103235	229.9178	3.149163	0.228593	13.77631	3.54E-43	1.61E-41	40.11439	38.86624	61.92009	435.2648	372.2053	431.1362
14426	LOC119624	3.038178	3.148896	1.623857	1.939186	0.052479	0.096711	0.542086	0.547412	0.695731	11.16063	4.278221	1.004979
8597	KRT5	7.949031	3.148872	0.974803	3.230266	0.001237	0.003824	1.084173	1.642235	2.087194	17.85702	14.97377	10.04979
9835	PGM5	8.11804	3.148741	1.086501	2.898056	0.003755	0.01015	0	2.189647	2.782925	11.16063	23.53022	9.044815
13236	LOC119618	3.743674	3.147901	1.457089	2.160405	0.030741	0.061745	0.542086	1.642235	0	6.696381	8.556443	5.024897
12569	ASCL5	7.824525	3.147813	1.374752	2.289732	0.022037	0.046611	0	0	4.87012	13.39276	25.66933	3.014938
618	SH3RF3	159.1603	3.147633	0.234751	13.40841	5.40E-41	2.32E-39	29.81475	31.74989	35.4823	310.2657	265.2497	282.3992
16617	LOC119618	2.213005	3.147322	2.023424	1.555443	0.11984	0.191706	0	0	1.391463	4.464254	6.417332	1.004979
16618	CNMD	2.213005	3.147322	2.023424	1.555443	0.11984	0.191706	0	0	1.391463	4.464254	6.417332	1.004979
16619	LOC119620	2.213005	3.147322	2.023424	1.555443	0.11984	0.191706	0	0	1.391463	4.464254	6.417332	1.004979
9118	LOC119627	12.91298	3.146724	1.022082	3.078739	0.002079	0.006061	0	1.094824	6.957314	17.85702	38.50399	13.06473
12084	LOC119627	7.691915	3.145818	1.316194	2.390088	0.016844	0.037057	0	0	4.87012	6.696381	23.53022	11.05477
4245	LOC103226	47.83243	3.145496	0.605985	5.190719	2.09E-07	1.31E-06	2.710432	6.568942	20.17621	73.66019	132.6249	51.25395
10311	BHLHA9	5.719636	3.145447	1.129012	2.786016	0.005336	0.013758	1.626259	1.094824	0.695731	11.16063	10.69555	9.044815
14843	LOC119620	3.023562	3.145434	1.688345	1.863028	0.062458	0.11186	0	1.094824	0.695731	8.928508	6.417332	1.004979
14844	LOC103240	3.023562	3.145434	1.688345	1.863028	0.062458	0.11186	0	1.094824	0.695731	8.928508	6.417332	1.004979
10374	PRSS55	5.940288	3.145395	1.135333	2.77046	0.005598	0.014345	1.084173	1.094824	1.391463	8.928508	17.11289	6.029877
8730	PIK3R6	14.84661	3.144327	0.984546	3.193683	0.001405	0.004278	0	2.189647	6.957314	31.24978	40.6431	8.039836
308	ESR1	293.2712	3.144199	0.181704	17.30399	4.39E-67	3.79E-65	65.05036	57.47824	56.35424	497.7643	526.2212	556.7586
12230	CA10	5.168534	3.143364	1.331714	2.36039	0.018256	0.039683	0	1.094824	2.087194	6.696381	17.11289	4.019918
11168	LOC103228	5.636988	3.141676	1.21436	2.587104	0.009679	0.02304	1.084173	1.642235	0.695731	2.232127	17.11289	11.05477
2155	APOL2	61.31537	3.140225	0.409196	7.67414	1.67E-14	2.05E-13	12.46799	6.568942	18.78475	116.0706	115.512	98.48799
14882	MSR1	3.00806	3.139014	1.689502	1.857952	0.063176	0.112845	0	1.094824	0.695731	6.696381	8.556443	1.004979
14780	SERPINB13	2.955529	3.138927	1.672619	1.876654	0.060566	0.10894	0	1.094824	0.695731	2.232127	10.69555	3.014938
13011	DEFB125	4.17524	3.138649	1.425521	2.201756	0.027683	0.056563	0	0.547412	2.087194	6.696381	10.69555	5.024897
11768	ASB14	5.836743	3.138381	1.278327	2.45507	0.014086	0.031821	1.626259	1.094824	0.695731	15.62489	14.97377	1.004979
290	S100A4	4358.28	3.138374	0.178053	17.62603	1.56E-69	1.43E-67	1045.685	582.9936	1039.423	7595.928	7655.877	8229.777
9105	LOC103246	10.63063	3.137121	1.017911	3.081921	0.002057	0.006005	0.542086	0.547412	5.565851	24.5534	23.53022	9.044815
16824	LOC103237	2.197502	3.137056	2.062959	1.520658	0.128346	0.20281	0	0	1.391463	2.232127	8.556443	1.004979
14012	LOC119625	3.734194	3.136882	1.560003	2.010818	0.044345	0.084135	0.542086	1.642235	0	2.232127	14.97377	3.014938
11375	TRIM10	4.968519	3.135361	1.232963	2.542949	0.010992	0.02569	1.084173	0.547412	1.391463	8.928508	12.83466	5.024897
5413	ARHGAP36	42.38651	3.134653	0.703566	4.455377	8.37E-06	4.11E-05	2.168345	3.284471	20.87194	64.73168	124.0684	39.1942
14995	LOC119625	2.992557	3.133733	1.707448	1.835331	0.066457	0.117823	0	1.094824	0.695731	4.464254	10.69555	1.004979
9267	NEU4	10.27207	3.131889	1.030036	3.040561	0.002361	0.006774	0	2.189647	4.174388	31.24978	14.97377	9.044815
13144	ADAMTS4	72.61871	3.131854	1.435506	2.181706	0.029131	0.058921	0.542086	3.831883	40.35242	1504.0168	179.6853	57.28383
81	ALOX5	909.523	3.130715	0.121353	25.79833	9.26E-147	3.04E-144	175.636	192.689	191.3261	1676.327	1567.968	1653.191
8678	CASQ1	10.36949	3.129816	0.975416	3.208699	0.001333	0.004085	1.084173	0.547412	4.87012	17.85702	27.80844	10.04979
9510	LOC103247	15.11608	3.128818	1.04901	2.98264	0.002858	0.007989	0	1.094824	8.348776	35.71403	38.50399	7.034856
13333	C8A	4.196765	3.128684	1.460646	2.141986	0.032195	0.064194	0	0.547412	2.087194	6.696381	12.83466	3.014938
13125	LOC103238	5.425956	3.128495	1.433098	2.183303	0.029034	0.058799	0	0	3.478657	15.62489	6.417332	7.034856
8936	LOC103226	20.81219	3.127997	0.997699	3.135212	0.001717	0.005109	0	0.547412	12.52316	44.64254	47.06043	20.09959
13261	LOC103247	4.029531	3.127801	1.451105	2.155461	0.031126	0.062399	0	1.094824	1.391463	13.39276	4.278221	4.019918
11943	LOC119625	8.799488	3.127036	1.294317	2.415975	0.015693	0.034933	0	0	5.565851	13.39276	27.80844	6.029877
11574	DAPP1	4.718637	3.126133	1.2501	2.500706	0.012395	0.02847	0.542086	1.642235	0.695731	6.696381	10.69555	8.039836
13853	SLCO1A2	4.233793	3.125634	1.533078	2.038796	0.04147	0.079585	0	0.547412	2.087194	8.928508	12.83466	1.004979
7942	LOC103215	9.576701	3.125159	0.912295	3.425601	0.000613	0.002053	2.710432	1.642235	1.391463	24.5534	17.11289	10.04979
8202	LOC103237	16.96723	3.124841	0.933961	3.345794	0.00082	0.002659	0	1.642235	9.044508	31.24978	42.78221	17.08465
8615	PODNL1	8.664632	3.123702	0.968595	3.224982	0.00126	0.003888	0.542086	2.737059	2.087194	11.16063	21.39111	14.06971
8916	LOC119625	10.1205	3.123105	0.994663	3.139864	0.00169	0.00504	0	2.189647	4.174388	15.62489	25.66933	13.06473
7406	TMEM119	10.80332	3.121554	0.867444	3.598564	0.00032	0.001149	2.168345	1.642235	2.782925	26.78552	21.39111	10.04979
97	BCHE	847.4551	3.121246	0.127801	24.42277	9.80E-132	2.69E-129	182.6831	181.1933	160.0182	1446.418	1514.49	1599.927
17732	NTSR1	2.181999	3.1211	2.263029	1.37917	0.167842	0.251641	0	0	1.391463	0	10.69555	1.004979
14779	LOC103235	4.072582	3.120586	1.662327	1.87724	0.060485	0.108803	0	1.094824	1.391463	13.39276	8.556443	0
9247	LOC103245	9.142706	3.119801	1.025171	3.043202	0.002341	0.00673	0	1.642235	4.174388	17.85702	17.11289	14.06971
2888	SERPINA4	34.07027	3.119288	0.475227	6.563789	5.25E-11	4.83E-10	5.96295	8.211177	6.957314	55.80317	64.17332	63.31371
15021	LOC119624	3.218974	3.118736	1.705041	1.829127	0.067381	0.119254	0	0	2.087194	8.928508	4.278221	4.019918
15545	LOC119627	3.271504	3.118244	1.795587	1.736615	0.082455	0.141014	0	0	2.087194	13.39276	2.139111	2.009959
9779	CCDC88B	11.76769	3.117432	1.071609	2.909114	0.003625	0.009852	0	0.547412	6.957314	20.08914	29.94755	13.06473
16212	HMGCS2	1.999263	3.116934	1.917597	1.625437	0.104069	0.170625	0	0.547412	0.695731	4.464254	4.278221	2.009959
16213	DPEP3	1.999263	3.116934	1.917597	1.625437	0.104069	0.170625	0	0.547412	0.695731	4.464254	4.278221	2.009959
16214	LOC119615	1.999263	3.116934	1.917597	1.625437	0.104069	0.170625	0	0.547412	0.695731	4.464254	4.278221	2.009959
5217	LOC103234	32.99889	3.114982	0.681437	4.571193	4.85E-06	2.47E-05	1.626259	3.831883	15.30609	69.19594	74.86887	33.16432
16740	ZNF683	3.308532	3.114804	2.029035	1.535116	0.124755	0.198126	0	0	2.087194	15.62489	2.139111	0
9087	LOC103247	13.77298	3.114508	1.009011	3.086694	0.002024	0.005921	0	1.094824	7.653045	22.32127	38.50399	13.06473
16140	FEZF2	4.401027	3.114322	1.899752	1.639331	0.101144	0.1666	0	0	2.782925	2.232127	21.39111	0
12246	LOC119620	5.186343	3.11399	1.320872	2.357527	0.018397	0.039939	0.542086	0	2.782925	8.928508	12.83466	6.029877
13447	X												



9600	AKR1D1	11.5815	3.113052	1.051343	2.961025	0.003066	0.008491	0	1.094824	6.261582	17.85702	34.22577	10.04979
13461	LOC103232	5.438001	3.112489	1.471405	2.115318	0.034403	0.067944	0	0	3.478657	11.16063	14.97377	3.014938
3559	LOC103232	28.06284	3.112417	0.536712	5.799049	6.67E-09	4.98E-08	4.336691	7.663765	5.565851	40.17829	51.33866	59.29379
2313	LOC103218	47.02561	3.112053	0.42084	7.394857	1.42E-13	1.63E-12	10.84173	9.306001	9.044508	64.73168	104.8164	83.4133
16328	LOC119624	1.982873	3.111945	1.944944	1.600017	0.109595	0.17844	0.542086	0	0.695731	2.232127	6.417332	2.009959
9856	LOC119624	6.760063	3.111617	1.076045	2.891717	0.003831	0.010335	1.084173	1.642235	1.391463	11.16063	19.252	6.029877
9758	LYPD5	9.352103	3.111518	1.067698	2.914229	0.003566	0.009714	0.542086	0.547412	4.87012	11.16063	29.94755	9.044815
10934	WNT10A	6.002036	3.110771	1.176789	2.64344	0.008207	0.019954	1.084173	0.547412	2.087194	11.16063	17.11289	4.019918
14938	PPP1R1C	2.77704	3.110087	1.683674	1.847203	0.064718	0.115177	1.084173	0.547412	0	4.464254	8.556443	2.009959
5256	SLC22A3	16.85298	3.109813	0.683488	4.549918	5.37E-06	2.71E-05	4.336691	3.284471	2.782925	40.17829	21.39111	29.1444
11407	CLEC4F	7.332202	3.109197	1.226804	2.534388	0.011264	0.02625	0	0.547412	4.174388	6.696381	23.53022	9.044815
4234	NLGN4X	35.00272	3.107536	0.597899	5.197424	2.02E-07	1.27E-06	2.168345	6.02153	13.91463	60.26743	83.42532	44.2191
8289	MOGAT3	9.735177	3.107144	0.93684	3.316623	0.000911	0.002922	0.542086	2.737059	2.782925	15.62489	25.66933	11.05477
2890	LRG1	41.194	3.106933	0.473492	6.561741	5.32E-11	4.89E-10	10.84173	7.663765	6.957314	53.57105	104.8164	63.31371
7448	LOC119618	16.00395	3.106557	0.867066	3.58284	0.00034	0.001213	1.084173	3.284471	5.565851	49.10679	29.94755	7.034856
5465	LOC119624	17.76377	3.106417	0.70091	4.431978	9.34E-06	4.54E-05	2.168345	2.737059	6.261582	37.94616	36.36488	21.10457
15084	OTOP3	3.187968	3.106379	1.707636	1.819112	0.068894	0.121424	0	0	2.087194	4.464254	8.556443	4.019918
8469	LOC119624	16.69226	3.10601	0.951995	3.262632	0.001104	0.003465	0	5.474118	4.87012	35.71403	47.06043	7.034856
12275	NXNL1	5.041523	3.105703	1.321637	2.34989	0.018779	0.040671	0	1.094824	2.087194	15.62489	6.417332	5.024897
8593	LOC103218	11.54311	3.104222	0.960671	3.231305	0.001232	0.003812	0	4.379295	2.782925	20.08914	29.94755	12.05975
14343	LRAT	4.025186	3.103728	1.588666	1.95367	0.05074	0.094041	0.542086	0.547412	1.391463	6.696381	14.97377	0
17179	LOC103222	1.96737	3.103366	2.109768	1.470951	0.141304	0.218673	0.542086	0	0.695731	0	8.556443	2.009959
12604	GFR3	4.563449	3.102702	1.359699	2.281904	0.022495	0.047448	0.542086	2.189647	0	8.928508	10.69555	5.024897
17238	DPPA5	2.020788	3.101529	2.12215	1.461504	0.143877	0.221892	0	0.547412	0.695731	4.464254	6.417332	0
9654	PNMA6F	12.61501	3.100768	1.052656	2.945661	0.003223	0.008874	0	1.094824	6.957314	20.08914	38.50399	9.044815
7325	MORN3	10.59277	3.100506	0.855136	3.625748	0.000288	0.001046	2.168345	1.642235	2.782925	26.78552	17.11289	13.06473
8253	EPN3	11.05535	3.099782	0.931136	3.329031	0.000871	0.002807	1.626259	0.547412	4.87012	31.24978	14.97377	13.06473
17189	CPO	1.968257	3.099239	2.109424	1.469235	0.141769	0.219264	0	0.547412	0.695731	0	8.556443	2.009959
2563	LOC119624	81.84411	3.09906	0.440801	7.030521	2.06E-12	2.13E-11	14.09425	7.663765	29.91645	151.7846	186.1026	101.5029
7730	ATP1B4	22.15242	3.099006	0.889709	3.48317	0.000496	0.001704	1.084173	0.547412	12.52316	33.4819	64.17332	21.10457
17305	LOC119618	1.800136	3.098698	2.140072	1.447941	0.147634	0.226808	0.542086	0.547412	0	6.696381	0	3.014938
10272	LOC103244	8.271654	3.098672	1.108562	2.795218	0.005186	0.013423	0.542086	0.547412	4.174388	20.08914	19.252	5.024897
10003	BRDT	8.015749	3.098274	1.083172	2.86037	0.004231	0.011246	0	1.642235	3.478657	20.08914	12.83466	10.04979
6979	CHRNE	20.74201	3.09816	0.827914	3.742126	0.000182	0.000695	0.542086	1.642235	11.1317	37.94616	47.06043	26.12947
9974	LOC119624	7.440947	3.097692	1.079593	2.869316	0.004114	0.010965	2.710432	1.094824	0.695731	24.5534	8.556443	7.034856
12209	LOC103235	9.66939	3.096037	1.308908	2.365359	0.018013	0.039223	0	0	6.261582	4.464254	34.22577	13.06473
10126	GHSR	10.26232	3.094761	1.09288	2.831749	0.004629	0.012154	0	1.642235	4.87012	20.08914	29.94755	5.024897
7241	GPR61	15.03669	3.094252	0.846517	3.655275	0.000257	0.000943	0.542086	2.737059	6.261582	31.24978	36.36488	13.06473
5290	SDK2	25.5112	3.093414	0.68398	4.522664	6.11E-06	3.07E-05	4.336691	3.284471	8.348776	53.57105	68.45154	15.07469
11841	CTSV	4.978624	3.092545	1.268024	2.43887	0.014733	0.033079	0.542086	0.547412	2.087194	6.696381	14.97377	5.024897
8237	LOC119624	11.04764	3.092208	0.927057	3.33551	0.000851	0.002748	0.542086	1.642235	4.87012	26.78552	21.39111	11.05477
6095	NXPH3	38.40201	3.09098	0.749473	4.124204	3.72E-05	0.000162	0.542086	3.831883	20.17621	80.35657	81.28621	44.2191
13214	MPPED2	5.051793	3.090803	1.427355	2.165406	0.030357	0.061074	1.084173	0	2.087194	11.16063	14.97377	1.004979
15835	LOC119624	30.53668	3.090338	1.825562	1.692815	0.090491	0.151923	0	0.547412	18.78475	44.64254	94.12087	25.12449
11401	LOC119624	7.272337	3.090265	1.218586	2.535944	0.011214	0.02615	0.542086	0	4.174388	22.32127	8.556443	8.039836
11980	IL31RA	8.456332	3.089979	1.282448	2.409437	0.015977	0.035455	0	0	5.565851	6.696381	21.39111	17.08465
6316	LOC103218	19.84709	3.088923	0.768685	4.01845	5.86E-05	0.000247	3.252518	1.642235	7.653045	35.71403	57.75599	13.06473
11191	FAM186B	5.642586	3.088572	1.195521	2.583452	0.009782	0.023235	1.084173	1.642235	0.695731	17.85702	8.556443	4.019918
7174	LOC103235	19.96456	3.088155	0.840671	3.673439	0.000239	0.000887	0	4.379295	8.348776	33.4819	53.47777	20.09959
8796	NR5A1	13.36587	3.088116	0.97244	3.175637	0.001495	0.004519	0.542086	1.094824	6.957314	15.62489	44.92132	11.05477
12283	CD48	8.579461	3.087784	1.314697	2.348666	0.018841	0.040779	0	0	5.565851	8.925808	29.94755	7.034856
19573	LOC103226	0.990466	3.087602	2.837659	1.088081	0.27656	0.375564	0	0	0.695731	2.232127	0	3.014938
19574	LOC103232	0.990466	3.087602	2.837659	1.088081	0.27656	0.375564	0	0	0.695731	2.232127	0	3.014938
19575	GFRAL	0.990466	3.087602	2.837659	1.088081	0.27656	0.375564	0	0	0.695731	2.232127	0	3.014938
19577	LOC103235	0.990466	3.087602	2.837659	1.088081	0.27656	0.375564	0	0	0.695731	2.232127	0	3.014938
8545	ZKSCAN7	11.16451	3.087321	0.952389	3.241659	0.001188	0.003697	3.794605	1.642235	1.391463	15.62489	38.50399	6.029877
19641	SERPINA11	0.965746	3.086865	2.860848	1.079004	0.280586	0.379786	0	0.547412	0	2.232127	0	3.014938
12252	LOC103232	6.257776	3.086463	1.310209	2.355702	0.018488	0.040116	0	0.547412	3.478657	13.39276	17.11289	3.014938
11738	LOC103244	4.726967	3.08589	1.254011	2.460815	0.013862	0.031396	1.084173	0.547412	1.391463	4.464254	12.83466	8.039836
10749	RSP01	9.445744	3.08561	1.151412	2.679849	0.007366	0.018217	0	0.547412	5.565851	17.85702	25.66933	7.034856
3598	PEG3	30.11305	3.085489	0.536925	5.746588	9.11E-09	6.73E-08	4.336691	7.663765	6.957314	44.64254	74.86887	42.20914
14275	LOC119624	26.64824	3.084763	1.569359	1.965619	0.049343	0.091887	0	1.642235	15.30609	49.10679	72.72976	21.10457
9089	SYNPO2	10.10599	3.084657	0.999529	3.086112	0.002028	0.005932	1.084173	0.547412	4.87012	31.24978	12.83466	10.04979
11721	LOC119618	6.057761	3.084414	1.251345	2.46488	0.013706	0.031087	1.084173	0	2.782925	15.62489	12.83466	4.019918
10592	LOC119624	11.61224	3.084393	1.132353	2.72388	0.006452	0.016194	0	0.547412	6.957314	15.62489	38.50399	8.039836
11107	TSSK2	5.57544	3.084183	1.184499	2.603788	0.00922	0.022068	0.542086	2.189647	0.695731	11.16063	12.83466	6.029877
8241	RASAL3	17.43296	3.083119	0.924797	3.33832	0.000857	0.002763	2.168345	0	9.044508	31.24978	47.06043	15.07469
13275	NELL1	4.910591	3.082976	1.43225	2.15254	0.031355	0.062792	0.542086	0.547412	2.087194	0	19.252	7.034856
7438	LOC103218	12.81243	3.082397	0.859677	3.585528	0.000336	0.001202	1.626259	1.642235	4.87012	22.32127	36.36488	10.04979
5814	DMD	19.81938	3.082076	0.722286	4.267114	1.98E-05	9.05E-05	1.626259	2.737059	8.348776	40.17829	44.92132	21.10457
17283	CDRT4	1.768243	3.081503	2.120975	1.452871	0.14626	0.224979	1.084173	0	0	2.232127	4.278221	3.014938
15138	CUNH1orf3	3.744298	3.081065	1.704105	1.808025	0.070603	0.123991	0					



15041	LOC119621	3.048282	3.078262	1.686164	1.825601	0.06791	0.120032	0	0.547412	1.391463	8.928508	6.417332	1.004979
6398	NLRP1	22.50261	3.077242	0.773073	3.980532	6.88E-05	0.000286	1.084173	4.926706	8.348776	24.5534	77.00798	19.09461
14818	LOC103221	2.758709	3.076391	1.645964	1.869051	0.061616	0.110547	1.084173	0	0.695731	4.464254	4.278221	6.029877
14593	LOC103221	3.577065	3.075868	1.612051	1.908046	0.056385	0.102721	0	2.189647	0	6.696381	8.556443	4.019918
10759	ACSM5	6.997472	3.074961	1.148383	2.677645	0.007414	0.01832	0	1.094824	3.478657	13.39276	14.97377	9.044815
17280	LOC103241	19.55582	3.074528	2.115493	1.453338	0.14613	0.224818	0	0	12.52316	40.17829	38.50399	26.12947
11687	CUNH16or	5.861298	3.074252	1.242656	2.473936	0.013363	0.030398	0	1.642235	2.087194	17.85702	8.556443	5.024897
13331	PM20D1	3.986218	3.073994	1.434909	2.142292	0.03217	0.064154	0	0.547412	2.087194	6.696381	8.556443	6.029877
11419	LOC103241	8.343769	3.073806	1.213988	2.531199	0.011342	0.026405	0	0.547412	4.87012	26.78552	12.83466	5.024897
10285	LOC103221	8.001666	3.073347	1.10075	2.792049	0.005238	0.013538	1.084173	0	4.174388	17.85702	12.83466	12.05975
10203	CALHM5	8.440888	3.072934	1.091394	2.815605	0.004869	0.012682	2.168345	1.642235	1.391463	15.62489	27.80844	2.009959
19679	LOC119611	1.001887	3.072814	2.861572	1.07382	0.282903	0.382183	0.542086	0	0	4.464254	0	1.004979
19672	AQP12B	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19673	SLC10A2	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19674	LOC119621	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19675	LOC103211	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19676	LOC119611	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19677	LOC119621	1.002774	3.072793	2.860775	1.074112	0.282773	0.382045	0	0.547412	0	4.464254	0	1.004979
19623	LOC119621	1.027494	3.072205	2.838992	1.082146	0.279188	0.37824	0	0	0.695731	4.464254	0	1.004979
7196	CIITA	14.67095	3.07201	0.837376	3.668613	0.000244	0.000901	0.542086	3.284471	5.565851	33.4819	32.08666	13.06473
6852	ALOX15B	12.39956	3.071876	0.80938	3.795345	0.000147	0.000572	2.168345	2.189647	3.478657	24.5534	29.94755	12.05975
8342	SCRT1	17.5654	3.071131	0.930759	3.299597	0.000968	0.003085	0.542086	1.094824	9.740239	40.17829	42.78221	11.05477
12261	LOC103221	4.838051	3.070032	1.304344	2.353698	0.018588	0.040303	1.084173	0.547412	1.391463	11.16063	12.83466	2.009959
5695	LOC103241	17.3506	3.069628	0.709102	4.328894	1.50E-05	7.00E-05	5.96295	2.189647	2.782925	44.64254	21.39111	27.13445
8422	GPR50	16.35366	3.069465	0.937057	3.275644	0.001054	0.003328	0	1.642235	9.044508	24.5534	42.78221	20.09959
14992	LY96	2.743207	3.069217	1.672255	1.835377	0.06645	0.11782	1.084173	0	0.695731	2.232127	6.417332	6.029877
19661	MAGEH1	0.974963	3.069001	2.850857	1.076519	0.281695	0.38088	0	0	0.695731	0	2.139111	3.014938
19662	LOC119621	0.974963	3.069001	2.850857	1.076519	0.281695	0.38088	0	0	0.695731	0	2.139111	3.014938
9581	LOC103241	13.42248	3.068789	1.034845	2.965458	0.003022	0.008386	0	1.094824	7.653045	20.08914	40.6431	11.05477
13867	LOC119621	3.558899	3.068276	1.506652	2.036487	0.041701	0.079948	1.626259	0.547412	0	4.464254	10.69555	4.019918
19710	LOC103221	0.950243	3.068139	2.874605	1.067325	0.285825	0.385445	0	0.547412	0	0	2.139111	3.014938
19711	LOC103241	0.950243	3.068139	2.874605	1.067325	0.285825	0.385445	0	0.547412	0	0	2.139111	3.014938
19713	LOC103231	0.950243	3.068139	2.874605	1.067325	0.285825	0.385445	0	0.547412	0	0	2.139111	3.014938
13047	AIRE	7.452503	3.067721	1.396726	2.196365	0.028066	0.057188	0	0	4.87012	11.16063	25.66933	3.014938
6184	ECE2	15.1867	3.066631	0.750976	4.083527	4.44E-05	0.000191	2.710432	2.737059	4.174388	26.78552	40.6431	14.06971
15270	LOC103221	2.848268	3.066314	1.718103	1.78471	0.074308	0.129371	1.084173	0	0.695731	11.16063	2.139111	2.009959
8817	EBF2	9.375464	3.065903	0.967177	3.169949	0.001525	0.004597	0.542086	3.284471	2.087194	15.62489	25.66933	9.044815
16912	MC4R	1.821662	3.065779	2.037833	1.504431	0.13247	0.208232	0.542086	0.547412	0	6.696381	2.139111	1.004979
8453	LOC103241	9.322046	3.065045	0.937851	3.268158	0.001082	0.003404	1.084173	2.737059	2.087194	11.16063	27.80844	11.05477
7675	PLA2G4F	21.38429	3.064633	0.875704	3.499622	0.000466	0.001614	2.168345	0.547412	11.1317	44.64254	57.75599	12.05975
11149	PROZ	6.599477	3.064424	1.182076	2.592409	0.009531	0.022726	0.542086	2.189647	1.391463	8.928508	23.53022	3.014938
17557	LOC103241	1.789769	3.062572	2.178025	1.406124	0.159687	0.2418	1.084173	0	0	2.232127	6.417332	1.004979
9988	DPP6	9.931213	3.061417	1.069013	2.86378	0.004186	0.011142	0	1.642235	4.87012	8.928508	32.08666	12.05975
11712	PERCC1	9.495447	3.061366	1.239798	2.469247	0.01354	0.030734	0	0	6.261582	24.5534	17.11289	9.044815
11762	LOC119621	8.303284	3.061094	1.24671	2.455338	0.014075	0.031803	0	0.547412	4.87012	17.85702	23.53022	3.014938
11852	RAB39B	9.516972	3.060125	1.256482	2.43547	0.014872	0.03336	0	0	6.261582	24.5534	19.252	7.034856
84	DKK3	1646.393	3.059663	0.11932	25.64247	5.13E-145	1.62E-142	323.0835	359.1022	377.7821	2901.765	2701.697	3214.929
14851	CD33	2.780235	3.059464	1.642996	1.862125	0.062586	0.112035	1.084173	0	0.695731	4.464254	6.417332	4.019918
2456	CIDEC	45.16175	3.058986	0.425471	7.18965	6.50E-13	7.03E-12	6.505036	1.094824	11.82743	78.12444	79.14709	84.41828
13961	C2CD4A	4.761425	3.058798	1.51466	2.019462	0.043439	0.082718	0.542086	1.094824	1.391463	0	23.53022	2.009959
13412	HAS1	59.26352	3.058641	1.439484	2.124817	0.033602	0.066605	1.084173	1.642235	35.4823	156.2489	121.9293	39.1942
6092	LOC103241	19.32449	3.058129	0.741212	4.125848	3.69E-05	0.000161	1.084173	3.831883	7.653045	26.78552	53.47777	23.11453
6285	LOC103231	19.72825	3.056036	0.75738	4.035012	5.46E-05	0.000231	2.168345	1.642235	9.044508	44.64254	42.78221	18.08963
8826	CYP2A28	16.40761	3.055615	0.965334	3.165346	0.001549	0.004666	1.084173	0	9.740239	29.01765	38.50399	20.09959
17585	CEACAM11	1.791544	3.054067	2.177142	1.402787	0.16068	0.242916	0	1.094824	0	2.232127	6.417332	1.004979
11658	OLIG2	10.54447	3.053517	1.23161	2.47929	0.013164	0.03002	0	0	6.957314	29.01765	19.252	8.039836
12862	LOC103241	3.808616	3.053261	1.371584	2.226084	0.026009	0.053758	0.542086	0.547412	1.391463	8.928508	6.417332	5.024897
13923	SCGB1C1	4.029268	3.053142	1.506149	2.027119	0.04265	0.081438	0	0.547412	2.087194	6.696381	12.83466	2.009959
5783	LOC103211	31.98161	3.051583	0.712447	4.28324	1.84E-05	8.47E-05	1.626259	3.284471	16.00182	66.96381	74.86887	29.1444
11790	GYS2	5.689719	3.051069	1.244327	2.451984	0.014207	0.032035	0.542086	1.642235	1.391463	17.85702	10.69555	2.009959
9621	NPM2	15.39996	3.050777	1.032305	2.955305	0.003124	0.008631	0	1.094824	9.044508	17.85702	51.33866	13.06473
12923	GAPT	5.055875	3.050413	1.375462	2.217737	0.026573	0.054665	0.542086	0	2.782925	11.16063	12.83466	3.014938
4704	LOC119621	21.67263	3.050395	0.624863	4.8817	1.05E-06	5.94E-06	3.252518	3.284471	7.653045	33.4819	49.19955	33.16432
180	ADAMTS11	775.5171	3.048871	0.145857	20.90319	5.01E-97	7.40E-95	181.5989	143.9693	177.4115	1352.669	1274.91	1522.544
6298	CTNND2	15.0511	3.048817	0.75718	4.026544	5.66E-05	0.000239	2.168345	3.284471	4.174388	31.24978	36.36488	13.06473
10470	TMEM178	6.662907	3.048808	1.108056	2.751493	0.005932	0.015063	1.626259	0.547412	2.087194	17.85702	12.83466	5.024897
8852	LOC103221	11.50257	3.048588	0.965893	3.156239	0.001598	0.0048	0	3.284471	4.174388	31.24978	19.252	11.05477
8120	GAS2L2	14.76387	3.048569	0.903951	3.372493	0.000745	0.002439	0.542086	2.189647	6.957314	15.62489	49.19955	14.06971
19174	LOC103231	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19175	LOC103231	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19176	LOC119621	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19177	GJB7	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19178	LOC119621	0.987271	3.047564	2.634381	1.156843	0.24							



19182	LOC119621	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19183	LOC103227	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19184	CCDC182	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19185	LOC103229	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19186	LOC103234	0.987271	3.047564	2.634381	1.156843	0.247337	0.342721	0	0.547412	0	2.232127	2.139111	1.004979
19122	LOC119625	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19123	LOC119627	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19124	VENTX	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19125	LOC103230	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19126	LOC103231	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19127	HRG	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
19128	LOC119628	1.011991	3.046997	2.616102	1.164709	0.244137	0.339313	0	0	0.695731	2.232127	2.139111	1.004979
12207	LOC103235	4.608806	3.046693	1.287903	2.365623	0.018	0.039201	1.084173	1.094824	0.695731	8.928508	12.83466	3.014938
10482	KRT84	6.664682	3.046521	1.108282	2.748869	0.00598	0.015167	0.542086	1.642235	2.087194	17.85702	12.83466	5.024897
4109	HECW1	54.80439	3.045445	0.575854	5.288571	1.23E-07	7.98E-07	3.794605	10.94824	20.87194	95.98146	154.016	43.21412
9305	CUNH4orf3	10.53876	3.045329	1.004634	3.031283	0.002435	0.006957	0.542086	2.737059	3.478657	26.78552	25.66933	4.019918
9750	MROH2B	10.00758	3.043021	1.043146	2.917156	0.003532	0.009632	0.542086	0.547412	5.565851	13.39276	29.94755	10.04979
10244	NUTM2F	10.06099	3.042549	1.085068	2.804018	0.005047	0.013098	0	1.094824	5.565851	17.85702	27.80844	8.039836
14558	CFAP299	2.81815	3.04187	1.58932	1.913944	0.055627	0.101583	0.542086	0.547412	0.695731	6.696381	6.417332	2.009959
11651	MAGEA4	10.42992	3.041127	1.225791	2.48095	0.013103	0.029899	0	0	6.957314	15.62489	29.94755	10.04979
7073	CPXM2	14.87093	3.040919	0.820999	3.703926	0.000212	0.000798	2.168345	3.831883	3.478657	26.78552	44.92132	8.039836
8577	TAC3	10.72726	3.038929	0.939556	3.23443	0.001219	0.003778	1.084173	1.094824	4.87012	29.01765	19.252	9.044815
12297	LOC103224	8.331461	3.038547	1.295752	2.345007	0.019027	0.041134	0	0	5.565851	24.5534	12.83466	7.034856
15137	HTR2C	2.803535	3.038477	1.680491	1.808089	0.070593	0.123981	0	1.094824	0.695731	4.464254	8.556443	2.009959
16249	MS4A15	2.770755	3.038186	1.878443	1.617396	0.105793	0.173088	1.084173	0	0.695731	0	12.83466	2.009959
8026	GAD1	14.79629	3.038129	0.89248	3.404141	0.000664	0.002198	1.626259	0.547412	7.653045	20.08914	42.78221	16.07967
9957	IL12B	7.630165	3.036398	1.056791	2.873224	0.004063	0.010848	0.542086	1.642235	2.782925	13.39276	21.39111	6.029877
12514	LOC103225	4.79049	3.035891	1.320632	2.298817	0.021515	0.045708	0	1.094824	2.087194	6.696381	12.83466	6.029877
19817	LOC103228	0.970881	3.034603	2.887543	1.050929	0.293291	0.393378	0.542086	0	0	0	4.278221	1.004979
19818	LOC119626	0.970881	3.034603	2.887543	1.050929	0.293291	0.393378	0.542086	0	0	0	4.278221	1.004979
19819	LOC119619	0.970881	3.034603	2.887543	1.050929	0.293291	0.393378	0.542086	0	0	0	4.278221	1.004979
19820	LOC119620	0.970881	3.034603	2.887543	1.050929	0.293291	0.393378	0.542086	0	0	0	4.278221	1.004979
19811	LOC119623	0.971769	3.034588	2.886707	1.051228	0.293154	0.393293	0	0.547412	0	0	4.278221	1.004979
19812	LOC103236	0.971769	3.034588	2.886707	1.051228	0.293154	0.393293	0	0.547412	0	0	4.278221	1.004979
19813	PHGR1	0.971769	3.034588	2.886707	1.051228	0.293154	0.393293	0	0.547412	0	0	4.278221	1.004979
19814	LOC103229	0.971769	3.034588	2.886707	1.051228	0.293154	0.393293	0	0.547412	0	0	4.278221	1.004979
19815	LOC103227	0.971769	3.034588	2.886707	1.051228	0.293154	0.393293	0	0.547412	0	0	4.278221	1.004979
19753	LOC119622	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19754	LOC119625	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19755	LOC103248	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19756	LOC103229	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19757	SRARP	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19758	LOC103247	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19759	CUNH18orf	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19760	LOC119622	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19761	LOC119627	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
19762	LOC103233	0.996489	3.03418	2.863886	1.059462	0.289389	0.389303	0	0	0.695731	0	4.278221	1.004979
12920	SLC6A1	7.278984	3.032678	1.367322	2.21797	0.026557	0.054645	0	0	4.87012	13.39276	21.39111	4.019918
8300	ANKRD45	22.34165	3.031914	0.915202	3.312836	0.000924	0.002958	0	1.642235	13.2189	46.87467	49.19955	23.11453
12645	AMPD1	4.827518	3.031718	1.334652	2.271543	0.023114	0.048594	0	1.094824	2.087194	8.928508	12.83466	4.019918
16785	LOC103235	2.793167	3.031152	1.983509	1.528177	0.126469	0.200304	0.542086	0.547412	0.695731	0	14.97377	0
14104	KLK3	33.40478	3.031012	1.52047	1.99347	0.04621	0.087102	0	3.831883	18.08902	60.26743	94.12087	24.11951
7170	MAP6	13.87497	3.030664	0.824838	3.674253	0.000239	0.000884	3.794605	1.642235	3.478657	26.78552	38.50399	9.044815
17897	EPS8L3	24.37034	3.030627	2.225285	1.361905	0.173228	0.25732	0	0	16.00182	58.0353	47.06043	25.12449
8604	LOC119621	11.14036	3.030599	0.939015	3.227423	0.001249	0.00386	3.252518	1.094824	2.782925	29.01765	25.66933	5.024897
17411	SIT1	14.80298	3.030358	2.121943	1.428105	0.153262	0.234016	0	0	9.740239	37.94616	32.08666	9.044815
15379	MUC5AC	21.96768	3.029769	1.717817	1.763732	0.077777	0.13445	0	0.547412	13.91463	44.64254	55.61688	17.08465
17077	LOC119619	1.986955	3.027989	2.039792	1.48446	0.137687	0.214347	0	0	1.391463	2.232127	4.278221	4.019918
6962	INSRR	19.72693	3.027423	0.806916	3.751842	0.000176	0.00067	1.084173	1.642235	10.43597	40.17829	44.92132	20.09959
4356	FEZF1	22.63199	3.026603	0.592419	5.108892	3.24E-07	1.98E-06	2.710432	6.02153	6.261582	37.94616	40.6431	42.20914
10868	LOC103226	9.0677	3.0252	1.139033	2.655937	0.007909	0.019345	0	0.547412	5.565851	17.85702	21.39111	9.044815
10869	LOC103245	9.0677	3.0252	1.139033	2.655937	0.007909	0.019345	0	0.547412	5.565851	17.85702	21.39111	9.044815
7691	SYNE4	11.29449	3.024661	0.865109	3.496277	0.000472	0.001631	2.168345	1.094824	4.174388	29.01765	19.252	12.05975
654	SPOCK1	177.4838	3.024096	0.23104	13.08904	3.80E-39	1.55E-37	32.52518	47.07742	36.87376	303.5693	327.2839	317.5735
11884	LOC119620	5.156286	3.024015	1.245092	2.428748	0.015151	0.033894	1.084173	2.189647	0	8.928508	10.69555	8.039836
9398	ANKLE1	11.82986	3.02357	1.005351	3.007477	0.002634	0.007452	0.542086	1.094824	6.261582	13.39276	40.6431	9.044815
5014	SIGLEC9	28.23423	3.023546	0.64601	4.680341	2.86E-06	1.52E-05	1.084173	6.02153	11.82743	46.87467	51.33866	52.25893
8196	LOC119621	11.48414	3.022296	0.902746	3.34789	0.000814	0.002641	1.626259	1.094824	4.87012	22.32127	29.94755	9.044815
2724	LOC103230	42.77277	3.020986	0.443475	6.812081	9.62E-12	9.39E-11	9.215468	6.02153	13.2189	73.66019	79.14709	75.37346
8787	LOC103225	13.83143	3.020733	0.950629	3.177615	0.001485	0.004493	1.084173	0.547412	7.653045	17.85702	42.78221	13.06473
14553	GIMAP4	4.041943	3.020086	1.576163	1.916101	0.055352	0.101116	0	0	2.782925	11.16063	4.278221	6.029877
16374	LOC103225	2.608656	3.019502	1.895105	1.593316	0.11089	0.180366	1.626259	0	0	4.464254	8.556443	1.004979
17048	NPHS2	2.023983	3.018701	2.03028	1.48684	0.137057	0.213704	0	0	1.391463	4.464254	4.278221	2.009959
17049	LOC103231	2.023983	3.018701	2.03028	1.48684								



17050	SAGE1	2.023983	3.018701	2.03028	1.48684	0.137057	0.213704	0	0	1.391463	4.464254	4.278221	2.009959
15500	KCNK16	2.998946	3.018402	1.730298	1.74444	0.081082	0.139069	0	0	2.087194	4.464254	6.417332	5.024897
6185	LOC119621	20.74349	3.017666	0.739055	4.083141	4.44E-05	0.000191	2.710432	3.284471	7.653045	35.71403	62.03421	13.06473
6474	LOC103231	16.89166	3.017255	0.763725	3.950709	7.79E-05	0.00032	1.084173	3.284471	6.957314	44.64254	19.252	26.12947
7137	RASGRF2	12.04199	3.017107	0.818894	3.684366	0.000229	0.000854	1.084173	2.737059	4.174388	26.78552	21.39111	16.07967
11058	ALAS2	7.832487	3.016897	1.154373	2.61345	0.008963	0.021549	0	1.094824	4.174388	11.16063	23.53022	7.034856
18168	LY6D	2.076514	3.016744	2.304052	1.309321	0.190426	0.278647	0	0	1.391463	8.928508	2.139111	0
3745	CACNA1E	62.11969	3.015718	0.538763	5.59749	2.17E-08	1.54E-07	7.589209	6.568942	27.13352	113.8385	158.2942	59.29379
2178	CFAP73	58.81647	3.015231	0.393984	7.65318	1.96E-14	2.39E-13	14.63633	10.40082	13.91463	73.66019	134.764	105.5228
9488	ESRRB	8.529761	3.015141	1.009404	2.987051	0.002817	0.007893	1.084173	1.094824	3.478657	26.78552	10.69555	8.039836
15554	FAM216B	3.035974	3.013834	1.736957	1.735123	0.082719	0.141384	0	0	2.087194	6.696381	6.417332	3.014938
16298	LOC119621	4.153027	3.013489	1.875107	1.607103	0.108032	0.17622	0	0	2.782925	17.85702	4.278221	0
9414	TMEM174	9.382385	3.013102	1.003007	3.00407	0.002664	0.007523	2.168345	0	4.174388	15.62489	19.252	15.07469
12953	LOC103241	4.650804	3.012927	1.361695	2.21263	0.026923	0.055258	0	1.642235	1.391463	11.16063	10.69555	3.014938
15269	LOC119621	2.588018	3.012767	1.687868	1.784954	0.074269	0.12931	1.084173	0.547412	0	4.464254	6.417332	3.014938
8159	LOC103231	15.82483	3.011676	0.895928	3.361516	0.000775	0.002526	0	4.926706	5.565851	22.32127	47.06043	15.07469
14967	RPH3A	42.88552	3.011541	1.636519	1.840212	0.065737	0.116765	0	2.737059	25.74206	66.96381	117.6511	44.2191
11900	PASD1	5.541344	3.011005	1.241713	2.424879	0.015313	0.034211	0.542086	1.094824	2.087194	2.232127	19.252	8.039836
12679	HSFX3	5.517087	3.010143	1.329139	2.264731	0.023529	0.049335	0	2.189647	1.391463	20.08914	6.417332	3.014938
13778	AQP8	3.812699	3.009869	1.466998	2.05172	0.040197	0.077561	0	0.547412	2.087194	8.928508	4.278221	7.034856
8490	LOC119621	11.51834	3.009647	0.923727	3.258156	0.001121	0.003511	1.626259	0.547412	5.565851	26.78552	23.53022	11.05477
7100	CTSW	12.95919	3.009248	0.814213	3.6959	0.000219	0.00082	2.168345	1.642235	4.87012	15.62489	36.36488	17.08465
17439	MPO	15.6479	3.009192	2.118989	1.420107	0.155576	0.237169	0	0	10.43597	22.32127	47.06043	14.06971
7759	JPH4	24.80522	3.008327	0.865514	3.475768	0.000509	0.001745	0	2.189647	14.61036	44.64254	49.19955	38.18922
17243	FAM71F1	2.00848	3.007593	2.060317	1.459772	0.144353	0.222561	0	0	1.391463	2.232127	6.417332	2.009959
10306	LOC103221	12.56699	3.006723	1.078833	2.787015	0.00532	0.013721	0	2.189647	6.261582	6.696381	49.19955	11.05477
18087	PDLIM3	2.061011	3.006679	2.270098	1.324471	0.185347	0.272415	0	0	1.391463	6.696381	4.278221	0
18088	LOC119621	2.061011	3.006679	2.270098	1.324471	0.185347	0.272415	0	0	1.391463	6.696381	4.278221	0
15696	LOC119621	3.020472	3.00649	1.750655	1.717351	0.085915	0.145518	0	0	2.087194	4.464254	8.556443	3.014938
5598	ELN	35.9882	3.006434	0.687242	4.374634	1.22E-05	5.78E-05	1.626259	3.831883	18.78475	69.19594	81.28621	41.20416
8608	LOC103231	14.21	3.005557	0.931596	3.226247	0.001254	0.003874	0	3.284471	6.261582	17.85702	42.78221	15.07469
1827	WNT7B	71.56989	3.005147	0.358849	8.374395	5.55E-17	8.08E-16	12.46799	12.59047	22.95914	122.767	139.0422	119.5926
13878	RGS18	3.849727	3.004043	1.47718	2.033634	0.041989	0.080434	0	0.547412	2.087194	11.16063	4.278221	5.024897
8665	LOC119611	12.17476	3.004032	0.935052	3.212688	0.001315	0.004035	1.084173	2.189647	4.87012	8.928508	44.92132	11.05477
11906	SLC13A5	5.412026	3.003736	1.239427	2.423488	0.015372	0.034325	0	2.189647	1.391463	11.16063	10.69555	7.034856
17395	FEV	17.66932	3.003201	2.099967	1.430118	0.152683	0.233348	0	0	11.82743	35.71403	36.36488	22.10955
13758	AFM	5.007426	3.001515	1.460065	2.05574	0.039808	0.076921	0	0	3.478657	6.696381	12.83466	7.034856
16053	LOC119621	3.0575	3.001131	1.812805	1.655518	0.09782	0.161987	0	0	2.087194	6.696381	8.556443	1.004979
16054	IZUMO2	3.0575	3.001131	1.812805	1.655518	0.09782	0.161987	0	0	2.087194	6.696381	8.556443	1.004979
16953	LOC119621	1.773213	2.999979	2.001293	1.499021	0.133868	0.209927	0	0.547412	0.695731	2.232127	2.139111	5.024897
15786	LOC103241	2.610431	2.999104	1.75978	1.704249	0.088335	0.148763	0.542086	1.094824	0	4.464254	8.556443	1.004979
7966	CCDC141	10.89969	2.998075	0.876569	3.42024	0.000626	0.002088	2.710432	1.642235	2.782925	24.5534	25.66933	8.039836
18120	LOC103231	2.045508	2.996267	2.274154	1.31753	0.187661	0.275329	0	0	1.391463	4.464254	6.417332	0
14977	CUNH11or	4.053988	2.995833	1.629373	1.838642	0.065968	0.117097	0	0	2.782925	6.696381	12.83466	2.009959
11178	SLC6A20	7.448054	2.994607	1.158028	2.585953	0.009711	0.023095	0	2.189647	2.782925	11.16063	23.53022	5.024897
13545	ACTL10	4.920271	2.994447	1.426098	2.099748	0.035751	0.070169	0	0.547412	2.782925	15.62489	8.556443	2.009959
11464	ASPG	5.415386	2.994092	1.186422	2.523632	0.011615	0.026935	1.626259	0.547412	1.391463	8.928508	14.97377	5.024897
10785	RPGRIP1	10.63576	2.993343	1.119734	2.673263	0.007512	0.018516	0	1.642235	5.565851	8.928508	40.6431	7.034856
10132	GRIA2	13.40786	2.992936	1.057275	2.830803	0.004643	0.01218	0	2.737059	6.261582	26.78552	40.6431	4.019918
15119	LOC103211	3.409568	2.99266	1.65348	1.809916	0.070309	0.123629	0	2.189647	0	6.696381	8.556443	3.014938
8559	TSSK1B	8.709267	2.991743	0.923683	3.238929	0.0012	0.003727	2.710432	1.094824	2.087194	11.16063	17.11289	18.08963
12409	PLBD1	5.864229	2.991405	1.290016	2.318891	0.020401	0.043707	0	0.547412	3.478657	11.16063	14.97377	5.024897
8011	LOC119621	12.69009	2.989981	0.877128	3.408831	0.000652	0.002165	3.252518	1.642235	3.478657	20.08914	40.6431	7.034856
9515	MYBPC3	16.84137	2.989472	1.003084	2.980282	0.00288	0.008046	0	1.094824	10.43597	20.08914	51.33866	18.08963
13978	LOC119621	3.855749	2.988769	1.48253	2.015992	0.043801	0.083306	0	0.547412	2.087194	8.928508	8.556443	3.014938
8260	GABRE	11.30868	2.988459	0.898464	3.326188	0.00088	0.002834	1.084173	1.094824	5.565851	26.78552	19.252	14.06971
10041	LOC119621	9.719091	2.988445	1.047428	2.853127	0.004329	0.011462	0.542086	0.547412	5.565851	20.08914	23.53022	8.039836
9478	IL12RB1	10.41998	2.988268	0.999042	2.991134	0.002779	0.007796	1.626259	0	5.565851	17.85702	21.39111	16.07967
10591	CCDC27	8.686462	2.988239	1.097052	2.72388	0.006452	0.016194	0	1.094824	4.87012	17.85702	19.252	9.044815
12716	PRPH2	4.632473	2.987875	1.325422	2.254282	0.024178	0.050544	0	1.094824	2.087194	11.16063	6.417332	7.034856
18108	LOC103231	1.992977	2.987348	2.263611	1.319727	0.186926	0.274444	0	0	1.391463	0	8.556443	2.009959
13255	CPN1	4.799707	2.986691	1.384753	2.15684	0.031018	0.06221	0	0.547412	2.782925	4.464254	14.97377	6.029877
8723	LOC119621	8.952332	2.986157	0.934397	3.195811	0.001394	0.00425	1.626259	1.642235	2.782925	8.928508	25.66933	13.06473
10582	KCNJ16	15.06773	2.985836	1.095053	2.726658	0.006398	0.016073	0	0.547412	9.740239	35.71403	36.36488	8.039836
4762	KEL	39.56747	2.985768	0.617318	4.836679	1.32E-06	7.37E-06	4.336691	4.379295	18.08902	75.89232	100.5382	34.1693
1904	RRAD	62.08757	2.985184	0.364396	8.192151	2.57E-16	3.58E-15	11.38381	13.13788	17.39328	104.91	126.2075	99.49297
10410	NR2E3	8.691597	2.984999	1.080029	2.763815	0.005713	0.01459	0.542086	0.547412	4.87012	15.62489	23.53022	7.034856
18221	GPR173	27.82882	2.984345	2.298707	1.298271	0.194194	0.283335	0	0	18.78475	51.33892	72.72976	24.11951
13759	TMPRSS9	5.283498	2.984129	1.45163	2.05571	0.03981	0.076921	0.542086	2.189647	0.695731	11.16063	17.11289	0
16105	LRRCC5	46.95857	2.983833	1.8128	1.64598	0.099768	0.16469	0	1.094824	30.61218	78.12444	117.6511	54.26889
16876	LOC103241	1.810241	2.982849	1.975077	1.510245	0.130981	0.206336	0	0.547412	0.695731	4.464254	2.139111	3.014938
10581	CD300E	13.98771	2.982336	1.093644	2.769972	0.006392	0.01606	0	0.547412	9.044508	26.78552	38.50399	9.044815
15239	PLPPR1	2.84287	2.981121	1.666016									



16908	SERPINA12	2.989466	2.980249	1.980752	1.504605	0.132426	0.208217	0	0	2.087194	0	12.83466	3.014938
12727	SLC52A3	4.705642	2.979886	1.323178	2.252067	0.024318	0.050797	0.542086	0.547412	2.087194	15.62489	6.417332	3.014938
3126	LOC119621	661.7492	2.979793	0.477045	6.246352	4.20E-10	3.57E-09	149.0738	114.4091	182.9774	1285.705	1668.506	569.8234
12769	LRRC38	4.601468	2.979792	1.326044	2.247129	0.024632	0.051286	0	1.094824	2.087194	6.696381	10.69555	7.034856
3394	CIDEB	50.37414	2.976997	0.500425	5.94894	2.70E-09	2.11E-08	8.673382	20.25424	4.87012	104.91	62.03421	101.5029
16909	TRNAM-CA	1.793851	2.976957	1.978648	1.504541	0.132442	0.208231	0.542086	0	0.695731	2.232127	4.278221	3.014938
11296	LOC119621	7.650508	2.976486	1.162782	2.559798	0.10473	0.024649	4.336691	0	0.695731	17.85702	14.97377	8.039836
9328	LOC119615	7.952127	2.975726	0.984006	3.024092	0.002494	0.007107	2.168345	0.547412	2.782925	11.16063	14.97377	16.07967
13597	LOC119621	4.225793	2.975045	1.423354	2.090165	0.036603	0.071567	2.168345	0.547412	0	8.928508	10.69555	3.014938
12824	IL16	4.638496	2.974896	1.331747	2.23383	0.025494	0.052843	0	1.094824	2.087194	8.928508	10.69555	5.024897
11977	CWH43	6.578943	2.974635	1.234208	2.410157	0.015946	0.035394	0	1.094824	3.478657	4.464254	21.39111	9.044815
8918	KLK6	12.33335	2.973762	0.94726	3.139332	0.001693	0.005048	1.084173	0.547412	6.957314	33.4819	12.83466	19.09461
16922	LOC103241	1.794738	2.973125	1.978267	1.502894	0.132866	0.208737	0	0.547412	0.695731	2.232127	4.278221	3.014938
3706	LOC103241	27.56647	2.972286	0.527496	5.634706	1.75E-08	1.26E-07	5.420864	8.211177	4.87012	51.33892	51.33866	44.2191
8701	CSF3	11.18015	2.972092	0.928171	3.202097	0.001364	0.004169	1.626259	1.094824	4.87012	26.78552	25.66933	7.034856
15350	LOC103231	2.828255	2.971798	1.678441	1.77057	0.076632	0.132721	0	0.547412	1.391463	4.464254	8.556443	2.009959
13916	ADAMTS15	3.642007	2.968233	1.463828	2.02772	0.042589	0.081361	0	1.094824	1.391463	8.928508	6.417332	4.019918
6506	DSCAML1	15.71239	2.967218	0.753429	3.938283	8.21E-05	0.000335	3.252518	4.379295	2.782925	29.01765	42.78221	12.05975
15546	IGF2	29.10237	2.967005	1.708945	1.736162	0.082535	0.141142	0	1.094824	18.78475	51.33892	81.28621	22.10955
2996	DCHS2	43.59887	2.966699	0.461935	6.422332	1.34E-10	1.19E-09	8.131296	6.02153	16.00182	82.5887	68.45154	80.39836
7637	LOC103221	13.33545	2.965367	0.844159	3.512807	0.000443	0.001543	3.794605	1.642235	3.478657	24.5534	38.50399	8.039836
11517	CFD	5.403965	2.965081	1.181433	2.509734	0.012082	0.02789	1.084173	0.547412	2.087194	6.696381	14.97377	7.034856
15668	MAGEC3	2.812752	2.964922	1.72124	1.722549	0.08497	0.144177	0	0.547412	1.391463	2.232127	10.69555	2.009959
17232	AGR3	1.847269	2.964075	2.026488	1.462666	0.143559	0.221478	0	0.547412	0.695731	6.696381	2.139111	1.004979
14288	SPZ1	3.573974	2.963766	1.509027	1.964025	0.049527	0.092153	0	1.094824	1.391463	2.232127	10.69555	6.029877
9110	PRR29	15.23645	2.962583	0.961735	3.080456	0.002067	0.006031	2.168345	0	8.348776	33.4819	36.36488	11.05477
16524	LY86	2.84978	2.962229	1.88606	1.570591	0.116278	0.187076	0	0.547412	1.391463	4.464254	10.69555	0
10641	PLPPR3	7.324403	2.961928	1.09371	2.708148	0.006766	0.016904	1.626259	0.547412	2.782925	17.85702	17.11289	4.019918
13770	LOC119624	3.678148	2.961458	1.442672	2.05276	0.040096	0.077411	0.542086	0.547412	1.391463	11.16063	6.417332	2.009959
8825	LOC103231	12.22812	2.961431	0.935455	3.165765	0.001547	0.00466	0.542086	1.642235	6.261582	33.4819	21.39111	10.04979
11834	LOC103241	6.643261	2.96102	1.213093	2.440885	0.014651	0.032914	0.542086	0	4.174388	13.39276	10.69555	11.05477
4315	MAFA	27.91606	2.960123	0.575499	5.143578	2.70E-07	1.66E-06	4.336691	3.831883	11.1317	49.10679	59.8951	39.1942
7584	MATN4	12.42259	2.959812	0.838176	3.531253	0.000414	0.00145	0.542086	3.831883	4.174388	20.08914	27.80844	18.08963
9601	LOC119620	9.347333	2.958914	0.999396	2.960701	0.003069	0.008499	0.542086	1.094824	4.87012	24.5534	14.97377	10.04979
12869	ITI12	6.894918	2.958469	1.329829	2.224699	0.026101	0.053921	0	0	4.87012	15.62489	12.83466	8.039836
17720	MCCD1	1.779236	2.958379	2.141217	1.381634	0.167084	0.250673	0	0.547412	0.695731	0	6.417332	3.014938
15214	VSTM2A	27.68416	2.956361	1.648272	1.793612	0.072875	0.127342	0	1.642235	17.39328	42.41041	85.56443	19.09461
7651	FRMD7	14.37216	2.956006	0.842181	3.509942	0.000448	0.001557	3.794605	1.094824	4.87012	26.78552	40.6431	9.044815
26751	LOC119624	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26824	TRNAF-GA	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26867	IFNG	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26885	LOC103231	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26890	LOC119615	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26894	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26897	LOC103231	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26923	LOC103221	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
26976	LOC119624	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27054	LOC103231	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27172	MOS	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27187	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27240	LOC103211	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27319	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27410	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27478	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27530	LOC103221	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27580	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27676	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27711	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27731	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27747	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27782	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27847	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27915	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27974	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
27998	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28021	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28057	CIDEA	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28158	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28250	OTOR	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28343	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28368	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28394	LOC119611	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28428	LOC103231	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28449	LOC119621	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959



28503	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28595	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28761	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28767	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28786	RTL3	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28795	LOC103230	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28804	LOC103220	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28853	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28921	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28946	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
28992	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29102	LOC119610	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29107	LOC119610	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29168	LOC119610	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29427	LOC119610	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29512	LOC103240	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29574	LOC119620	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
29592	DEFB109B	0.334993	2.955864	4.056412	0.728689	0.466192	NA	0	0	0	0	0	2.009959
11911	LOC103230	10.9179	2.955815	1.220234	2.422334	0.015421	0.03442	0	0	7.653045	17.85702	29.94755	10.04979
16778	LDHAL6B	2.834278	2.955716	1.932978	1.5291	0.12624	0.200029	0	0.547412	1.391463	2.232127	12.83466	0
6777	GJD3	12.25783	2.955271	0.772561	3.82529	0.000131	0.000512	2.710432	2.189647	3.478657	24.5534	23.53022	17.08465
14545	LOC119620	5.994011	2.9539	1.540814	1.917103	0.055225	0.100939	0	0	4.174388	20.08914	10.69555	1.004979
8893	EGR4	10.82086	2.953642	0.938763	3.146313	0.001653	0.004943	1.626259	1.642235	4.174388	8.928508	38.50399	10.04979
17163	LOC119620	1.831766	2.952956	2.005268	1.472599	0.140859	0.218163	0	0.547412	0.695731	4.464254	4.278221	1.004979
17165	LOC103220	1.831766	2.952956	2.005268	1.472599	0.140859	0.218163	0	0.547412	0.695731	4.464254	4.278221	1.004979
3683	LOC103240	33.69807	2.952468	0.521357	5.663041	1.49E-08	1.07E-07	6.505036	4.926706	11.82743	80.35657	51.33866	47.23404
9900	LOC119620	8.318951	2.952288	1.023397	2.884791	0.003917	0.010518	1.084173	0.547412	4.174388	20.08914	14.97377	9.044815
8001	CCR1	10.77902	2.951524	0.865158	3.411543	0.000646	0.002146	2.168345	4.379295	0.695731	20.08914	19.252	18.08963
10688	LOC103240	10.51797	2.950739	1.094879	2.695036	0.007038	0.017506	0	1.094824	6.261582	15.62489	32.08666	8.039836
12838	SI	5.448791	2.949788	1.322108	2.231125	0.025673	0.053163	0	1.642235	2.087194	6.696381	19.252	3.014938
3261	PRRG2	37.48723	2.948411	0.484384	6.086929	1.15E-09	9.38E-09	9.757555	8.758589	6.957314	95.98146	49.19955	54.26889
11532	NHLRC4	6.436429	2.946153	1.175123	2.507102	0.012173	0.02806	0	1.094824	3.478657	11.16063	12.83466	10.04979
12492	NEUROD6	5.638179	2.945952	1.279373	2.302652	0.021298	0.045327	0	0.547412	3.478657	8.928508	12.83466	8.039836
17301	LOC103240	1.816264	2.943671	2.032704	1.448155	0.147574	0.226751	0	0.547412	0.695731	2.232127	6.417332	1.004979
17302	LOC119610	1.816264	2.943671	2.032704	1.448155	0.147574	0.226751	0	0.547412	0.695731	2.232127	6.417332	1.004979
8885	CYBB	13.18129	2.941458	0.934365	3.148082	0.001643	0.004917	0.542086	1.094824	7.653045	26.78552	29.94755	13.06473
13452	CER1	6.795879	2.939923	1.388775	2.116918	0.034267	0.067721	0	0	4.87012	4.464254	21.39111	10.04979
14265	LOC103240	4.876958	2.939104	1.494277	1.966907	0.049194	0.091674	0	0	3.478657	8.928508	12.83466	4.019918
14266	TGM6	4.876958	2.939104	1.494277	1.966907	0.049194	0.091674	0	0	3.478657	8.928508	12.83466	4.019918
123	ARHGAP42	1373.527	2.938941	0.125809	23.36042	1.08E-120	2.33E-118	313.3259	355.8177	281.0755	2247.752	2483.507	2559.683
7842	C2	12.76843	2.93789	0.850228	3.455414	0.000549	0.001863	1.084173	1.642235	6.261582	29.01765	23.53022	15.07469
7348	NAALAD2	15.34838	2.937468	0.812287	3.616295	0.000299	0.001081	3.252518	0.547412	6.957314	29.01765	34.22577	18.08963
11986	ZNF541	11.83043	2.937416	1.219374	2.408955	0.015998	0.035486	0	0	8.348776	26.78552	27.80844	8.039836
7791	LOC103240	13.40217	2.935479	0.846402	3.468185	0.000524	0.001788	2.710432	1.642235	4.87012	26.78552	36.36488	8.039836
8032	TIGIT	12.97663	2.935046	0.862372	3.403457	0.000665	0.002202	3.252518	2.737059	2.782925	24.5534	38.50399	6.029877
13732	OLR1	4.319434	2.934174	1.421496	2.064145	0.039004	0.075511	1.626259	0.547412	0.695731	15.62489	6.417332	1.004979
11598	LOC103240	7.351785	2.933255	1.175645	2.495017	0.012595	0.028871	0	1.642235	3.478657	17.85702	17.11289	4.019918
15745	MUC2	30.50634	2.933015	1.715989	1.709227	0.087409	0.147588	0	1.094824	20.17621	69.19594	68.45154	24.11951
12149	ATCAY	9.763396	2.932353	1.234241	2.375836	0.017509	0.038315	0	0	6.957314	22.32127	19.252	10.04979
11391	TC2N	9.592704	2.930295	1.1541	2.539031	0.011116	0.025943	0	0.547412	6.261582	22.32127	21.39111	7.034856
954	LOC119620	144.6374	2.929797	0.261921	11.18579	4.79E-29	1.33E-27	30.35684	29.01283	42.43961	234.3733	233.1631	298.4789
6437	ATP12A	15.70187	2.929339	0.738661	3.965743	7.32E-05	0.000302	4.336691	1.094824	5.565851	29.01765	32.08666	22.10955
10620	LOC103210	10.2331	2.928543	1.078827	2.714562	0.006636	0.016613	1.626259	0	5.565851	26.78552	21.39111	6.029877
13594	PHOX2B	4.700244	2.927744	1.400544	2.090434	0.036579	0.071534	0	0.547412	2.782925	11.16063	10.69555	3.014938
11689	LOC119620	7.32078	2.927659	1.183636	2.473444	0.013382	0.030435	0	1.642235	3.478657	13.39276	21.39111	4.019918
8996	LOC119620	11.9288	2.927425	0.938896	3.11773	0.001822	0.005386	1.626259	0.547412	6.261582	17.85702	34.22577	11.05477
12854	LOC119620	7.770418	2.926787	1.313787	2.227748	0.025897	0.053561	0	0	5.565851	22.32127	10.69555	8.039836
10971	LOC103240	6.71843	2.926163	1.110392	2.635252	0.008407	0.020373	2.710432	1.094824	0.695731	20.08914	10.69555	5.024897
6402	GPM6B	13.62394	2.926097	0.735486	3.978454	6.94E-05	0.000288	3.252518	2.737059	3.478657	20.08914	32.08666	20.09959
7577	TBX4	13.41751	2.925479	0.827871	3.53374	0.00041	0.001438	1.084173	2.737059	5.565851	31.24978	27.80844	12.05975
7115	HTR1F	13.82122	2.925274	0.792661	3.690448	0.000224	0.000836	1.626259	4.379295	3.478657	35.71403	25.66933	12.05975
17739	LOC103230	2.474827	2.92489	2.122511	1.378033	0.168193	0.252067	0	1.642235	0	8.928508	4.278221	0
4056	LOC119620	31.45992	2.924823	0.549012	5.327427	9.96E-08	6.53E-07	3.252518	6.568942	12.52316	49.10679	62.03421	55.27387
8720	RHOJ	10.10443	2.92464	0.914607	3.197702	0.001385	0.004223	3.794605	1.642235	1.391463	20.08914	25.66933	8.039836
18502	PAX1	31.7977	2.924019	2.335578	1.251947	0.210589	0.30259	0	0	22.2634	62.49956	74.86887	31.15436
15212	LOC119620	4.112602	2.923764	1.62956	1.794204	0.072781	0.127194	1.084173	1.642235	0	13.39276	8.556443	0
13185	LOC119620	4.463202	2.923628	1.345564	2.172789	0.029796	0.060078	1.084173	0	2.087194	11.16063	6.417332	6.029877
18807	LOC119620	1.563719	2.922198	2.402317	1.216408	0.223829	0.316383	1.084173	0	0	0	4.278221	4.019918
153	MGST2	682.4327	2.920929	0.133417	21.89315	3.02E-106	5.25E-104	145.8212	172.4347	159.3225	1232.134	1182.928	1201.955
8777	CUNH2orf	12.88119	2.920246	0.918334	3.17994	0.001473	0.004462	0.542086	1.094824	7.653045	20.08914	27.80844	20.09959
16072	LOC103220	2.846952	2.919674	1.766643	1.652668	0.098399	0.162762	0	0	2.087194	6.696381	4.278221	4.019918
16073	LOC119610	2.846952	2.919674	1.766643	1.652668	0.098399	0.162762	0	0	2.087194	6.696381	4.278221	4.019918
10292	BSX	9.11269	2.919598	1.046394	2.790153	0.005268	0.013609	0	1.642235	4.87012	17.85702	19.252	11.05477
58	PIK3R3	3584.312	2.919048	0.101902	28.6457	1.81E-180	8.31E-178	831.0184	900.4924	779.9149	6249.956	5998.066	6746.427



7649	ACSM2B	36.26781	2.918786	0.831544	3.510081	0.000448	0.001557	1.084173	1.642235	22.95914	80.35657	83.42532	28.13943
18132	LOC119623	1.564606	2.917495	2.2171	1.315906	0.188206	0.275946	0.542086	0.547412	0	0	4.278221	4.019918
2179	ZNF469	62.7763	2.916671	0.381159	7.652104	1.98E-14	2.41E-13	13.01007	10.40082	20.87194	113.8385	124.0684	94.46807
16287	LOC103240	4.889003	2.916062	1.812121	1.609198	0.107573	0.17559	0	0	3.478657	4.464254	21.39111	0
7746	LOC103222	11.13867	2.915578	0.838059	3.478967	0.000503	0.001728	1.626259	3.284471	2.782925	24.5534	23.53022	11.05477
16679	LOC119619	2.382606	2.915525	1.88672	1.545288	0.122277	0.194888	1.626259	0	0	2.232127	6.417332	4.019918
10552	ANKK1	9.118713	2.914001	1.066064	2.733419	0.006268	0.01579	0	1.642235	4.87012	15.62489	23.53022	9.044815
8886	AQP7	8.645516	2.913896	0.925697	3.147787	0.001645	0.004922	1.626259	1.094824	3.478657	15.62489	14.97377	15.07469
9746	MRC1	7.736279	2.91369	0.9985	2.918067	0.003522	0.009608	1.084173	2.189647	2.087194	22.32127	10.69555	8.039836
6362	FGF9	15.24852	2.913525	0.728677	3.998375	6.38E-05	0.000267	4.878777	1.642235	4.174388	22.32127	36.36488	22.10955
16255	LOC119623	2.88398	2.913438	1.80312	1.615776	0.106143	0.173596	0	0	2.087194	8.928508	4.278221	2.009959
11056	NINJ2	7.126788	2.912877	1.114473	2.613681	0.008957	0.021538	1.084173	1.094824	2.782925	13.39276	21.39111	3.014938
16094	LOC119623	2.83145	2.912707	1.768341	1.647141	0.099529	0.164408	0	0	2.087194	4.464254	6.417332	4.019918
5991	CTNNA3	16.74519	2.912185	0.698622	4.16847	3.07E-05	0.000136	4.878777	3.831883	2.782925	31.24978	40.6431	17.08465
6215	PDZD2	31.75534	2.912096	0.715939	4.067521	4.75E-05	0.000203	1.084173	8.758589	12.52316	44.64254	98.39909	25.12449
11758	LOC103235	5.251971	2.910299	1.184537	2.456908	0.014014	0.031685	1.084173	0.547412	2.087194	8.928508	12.83466	6.029877
11019	LOC103235	6.035606	2.909629	1.1085	2.624835	0.008669	0.020916	0.542086	1.642235	2.087194	8.928508	14.97377	8.039836
8194	NUTM1	12.60695	2.909434	0.868943	3.348243	0.000813	0.002639	1.084173	1.642235	6.261582	26.78552	27.80844	12.05975
12676	LOC103236	5.024667	2.909397	1.284319	2.265322	0.023493	0.049271	1.626259	1.094824	0.695731	4.464254	19.252	3.014938
6672	KCNJ9	30.21922	2.909188	0.75212	3.867983	0.00011	0.000437	1.084173	4.379295	16.00182	71.42806	66.31243	22.10955
370	KLHL3	319.7652	2.908459	0.180301	16.13113	1.54E-58	1.11E-56	82.93921	77.73248	64.70302	535.7105	545.4732	612.0325
19748	TRNAR-UC	1.606769	2.908038	2.742276	1.060447	0.288941	0.388957	1.084173	0	0	0	8.556443	0
10153	RHBG	10.20104	2.907916	1.029357	2.824983	0.004728	0.012381	0.542086	0.547412	6.261582	24.5534	19.252	10.04979
6846	ALK	18.91844	2.907153	0.765219	3.799112	0.000145	0.000564	5.96295	1.642235	5.565851	37.94616	51.33866	11.05477
15896	LOC119618	3.724393	2.906965	1.725276	1.684928	0.092002	0.153868	0.542086	0	2.087194	11.16063	8.556443	0
13787	SH2D1B	5.442505	2.904466	1.417738	2.048662	0.040495	0.078085	0	1.094824	2.782925	2.232127	23.53022	3.014938
18952	LOC119623	1.63955	2.903692	2.43154	1.194178	0.232408	0.326012	0	1.094824	0	4.464254	4.278221	0
5738	LOC103245	41.19668	2.903354	0.674248	4.306061	1.66E-05	7.70E-05	1.084173	8.758589	19.48048	78.12444	100.5382	39.1942
9800	CA7	8.856688	2.903181	0.99942	2.904866	0.003674	0.009967	1.084173	1.094824	4.174388	8.928508	27.80844	10.04979
16312	VTCN1	2.815947	2.902623	1.809569	1.604041	0.108705	0.177165	0	0	2.087194	2.232127	8.556443	4.019918
11353	USHBP1	6.268045	2.902462	1.13959	2.546937	0.010867	0.025448	0.542086	0.547412	3.478657	11.16063	12.83466	9.044815
14355	BTLA	3.415957	2.901912	1.487514	1.950847	0.051075	0.09459	0	1.094824	1.391463	6.696381	4.278221	7.034856
6847	SLTRK2	22.51595	2.901173	0.763637	3.799154	0.000145	0.000564	0.542086	3.831883	11.82743	49.10679	40.6431	29.1444
15760	RGR	2.632323	2.901045	1.69881	1.707693	0.087693	0.147908	0.542086	0	1.391463	6.696381	2.139111	5.024897
17386	CLRN2	2.905506	2.900674	2.026638	1.431274	0.152352	0.232962	0	0	2.087194	8.928508	6.417332	0
12733	LOC119623	5.46466	2.900296	1.288171	2.251483	0.024355	0.050847	0	0.547412	3.478657	11.16063	8.556443	9.044815
9559	LOC103245	13.71347	2.898778	0.975915	2.970319	0.002975	0.008274	0	2.189647	7.653045	35.71403	25.66933	11.05477
18126	LOC103225	1.602522	2.897732	2.201041	1.316528	0.187997	0.275731	0	1.094824	0	2.232127	4.278221	2.009959
19776	LOC119623	1.608544	2.897709	2.741317	1.05705	0.290489	0.390506	0	1.094824	0	0	8.556443	0
5426	MASP1	26.92411	2.896551	0.651252	4.447665	8.68E-06	4.25E-05	3.252518	6.02153	9.740239	60.26743	64.17332	18.08963
4013	LOC103246	46.50016	2.895882	0.540136	5.361391	8.26E-08	5.47E-07	5.96295	7.116354	20.17621	71.42806	124.0684	50.24897
12155	DCDC2C	7.329997	2.895429	1.219283	2.374698	0.017563	0.038414	0	1.094824	4.174388	11.16063	23.53022	4.019918
18935	LOC119626	1.587019	2.895391	2.41688	1.197987	0.230922	0.324205	0	1.094824	0	0	6.417332	2.009959
13037	ICOS	5.538716	2.895059	1.317239	2.197823	0.027962	0.057019	0	0.547412	3.478657	15.62489	8.556443	5.024897
6493	CELF4	37.81272	2.894475	0.73402	3.943318	8.04E-05	0.000329	1.626259	6.568942	18.78475	78.12444	102.6773	19.09461
10053	LOC103227	9.99846	2.894174	1.015335	2.850461	0.004366	0.011545	1.084173	0.547412	5.565851	20.08914	25.66933	7.034856
17927	C1QC	16.53733	2.893919	2.134783	1.355603	0.175225	0.259852	0	0	11.82743	44.64254	25.66933	17.08465
3276	IFI1	53.74774	2.893443	0.477128	6.064291	1.33E-09	1.08E-08	6.505036	8.758589	23.65487	78.12444	106.9555	98.48799
41	LOC119623	44137.89	2.892363	0.091658	31.55608	1.48E-218	9.59E-216	10035.64	10814.67	10585.55	78691.4	71367.15	83332.9
10769	AGXT2	9.084879	2.892056	1.081114	2.675071	0.007471	0.018444	0	1.094824	5.565851	13.39276	21.39111	13.06473
18232	LOC119625	1.586132	2.892004	2.233635	1.294752	0.195406	0.284931	0.542086	0.547412	0	0	6.417332	2.009959
11927	LOC119624	6.086196	2.891974	1.195409	2.419234	0.015553	0.034668	0	1.642235	2.782925	15.62489	6.417332	10.04979
6216	LOC119615	15.10096	2.891891	0.710987	4.067432	4.75E-05	0.000203	2.168345	4.379295	4.174388	24.5534	34.22577	21.10457
36	CTSH	3216.829	2.891189	0.088814	32.55348	1.87E-232	1.38E-229	748.6213	782.2515	761.8259	5551.3	5762.764	5694.214
10983	PPP3R2	13.20664	2.891027	1.0979	2.633233	0.008458	0.020472	0	0.547412	9.044508	20.08914	38.50399	11.05477
2847	LOC103247	43.60867	2.890403	0.436807	6.61712	3.66E-11	3.42E-10	9.757555	8.211177	13.2189	64.73168	98.93909	67.33362
16582	CUNH16or	2.837472	2.890052	1.852259	1.560285	0.118693	0.190293	0	0	2.087194	2.232127	10.69555	2.009959
13092	IRAG2	6.494719	2.888725	1.319919	2.188563	0.028629	0.058134	0	0.547412	4.174388	6.696381	23.53022	4.019918
15906	NKAIN4	2.670239	2.887616	1.715644	1.683109	0.092354	0.154359	0	0.547412	1.391463	8.928508	2.139111	3.014938
44	LOC103224	23509.52	2.886989	0.092611	31.17342	2.44E-213	1.48E-210	5457.183	6010.034	5331.389	40388.11	39562.85	44307.53
6500	MX2	15.45999	2.886974	0.732718	3.940089	8.15E-05	0.000333	2.168345	3.284471	5.565851	35.71403	29.94755	16.07967
7462	LOC103227	14.02559	2.886739	0.80698	3.577215	0.000347	0.001237	1.626259	2.189647	6.261582	26.78552	34.22577	13.06473
15599	WDR87	36.04972	2.886735	1.669258	1.729352	0.083746	0.142726	0	2.189647	23.65487	51.33892	106.9555	32.15934
6386	CASP5	18.19627	2.886119	0.724374	3.984294	6.77E-05	0.000282	1.084173	7.663765	4.174388	40.17829	29.94755	26.12947
55	BMP1	3347.71	2.885322	0.100236	28.78529	3.28E-182	1.58E-179	791.9882	795.3894	809.1356	5734.334	5512.488	6442.923
4419	PTGER1	54.36548	2.884955	0.56944	5.066305	4.06E-07	2.44E-06	4.878777	6.568942	27.82925	102.6778	121.9293	62.30873
17926	AQP5	1.797933	2.884455	2.127737	1.355645	0.175212	0.259847	0	0	1.391463	2.232127	2.139111	5.024897
14454	G6PC1	3.42198	2.883263	1.491483	1.933151	0.053218	0.097882	0	1.094824	1.391463	4.464254	8.556443	5.024897
13691	ADRB3	4.294286	2.882909	1.392225	2.07072	0.038385	0.074535	0	1.642235	1.391463	11.16063	8.556443	3.014938
17323	LOC103235	2.800444	2.882766	1.995507	1.444628	0.148562	0.227993	0	0	2.087194	0	10.69555	4.019918
6035	PTGS1	15.97646	2.882665	0.694874	4.148473	3.35E-05	0.000147	2.168345	4.379295	4.87012	31.24978	32.08666	21.10457
73	PAG1	4061.803	2.882042	0.108693	26.51549	6.43E-155	2.34E-152	980.0922	1072.927	857.141</			



14379	LOC103221	5.862344	2.879407	1.477849	1.948377	0.05137	0.094977	0	2.737059	1.391463	2.232127	27.80844	1.004979
9430	ROBO4	11.87448	2.879403	0.959593	3.000649	0.002694	0.007595	0	4.379295	4.174388	13.39276	34.22577	15.07469
13801	CFAP100	4.5052	2.87908	1.406656	2.046755	0.040682	0.078366	0	0.547412	2.782925	13.39276	4.278221	6.029877
10119	LOC119621	12.33857	2.878814	1.016175	2.832989	0.004611	0.012115	0	3.284471	5.565851	33.4819	25.66933	6.029877
11099	LOC119621	8.167582	2.878517	1.10476	2.605558	0.009172	0.02197	0.542086	0.547412	4.87012	15.62489	21.39111	6.029877
13711	IL12RB2	4.278783	2.878356	1.392638	2.066837	0.038749	0.075128	0	1.642235	1.391463	8.928508	10.69555	3.014938
6024	LOC103231	34.93006	2.878214	0.692906	4.153829	3.27E-05	0.000144	3.252518	3.284471	18.78475	53.57105	100.5382	30.14938
17819	OBP2B	14.44185	2.878201	2.094558	1.374133	0.1694	0.252742	0	0	10.43597	26.78552	36.36488	13.06473
2196	CRB1	55.03474	2.877714	0.377807	7.616893	2.60E-14	3.15E-13	12.46799	13.13788	13.91463	82.5887	117.6511	90.44815
17834	LOC103221	1.834961	2.876711	2.097593	1.371434	0.17024	0.253775	0	0	1.391463	4.464254	2.139111	3.014938
11457	SYN2	6.044823	2.876697	1.139083	2.525449	0.011555	0.026813	0.542086	1.094824	2.782925	6.696381	17.11289	8.039836
12517	LOC103221	7.416728	2.876633	1.251588	2.298387	0.02154	0.045749	0	0.547412	4.87012	20.08914	14.97377	4.019918
82	CPM	2097.432	2.87645	0.111549	25.7864	1.26E-146	4.08E-144	469.9889	564.3816	473.7931	3645.063	3604.401	3826.962
18458	OGN	1.850464	2.874351	2.290839	1.254715	0.209582	0.301844	0	0	1.391463	6.696381	0	3.014938
16124	LOC103221	2.690876	2.873957	1.750909	1.641409	0.100713	0.166059	0.542086	0	1.391463	8.928508	4.278221	1.004979
115	LOC119621	911.8081	2.873286	0.12098	23.75001	1.10E-124	2.54E-122	230.3867	215.1328	210.8066	1542.4	1696.315	1575.808
15286	KLF17	4.746489	2.872752	1.611919	1.782194	0.074718	0.129938	0	0	3.478657	11.16063	12.83466	1.004979
13736	LOC103241	4.299421	2.870211	1.390993	2.063425	0.039072	0.075621	0.542086	1.094824	1.391463	8.928508	12.83466	1.004979
14715	UGT3A2	3.443505	2.870034	1.520854	1.88712	0.059144	0.106853	0	1.094824	1.391463	4.464254	10.69555	3.014938
11263	LOC103211	7.936562	2.868352	1.117242	2.567352	0.010248	0.024189	1.626259	0	4.174388	13.39276	21.39111	7.034856
12916	LCN10	5.315494	2.868106	1.292845	2.218445	0.026525	0.054595	0	1.094824	2.782925	11.16063	12.83466	4.019918
13556	PRR30	6.559925	2.867806	1.366906	2.098027	0.035903	0.07041	0	0	4.87012	15.62489	12.83466	6.029877
13690	CD8B	4.458691	2.867398	1.384624	2.070885	0.03837	0.074511	0	0.547412	2.782925	6.696381	10.69555	6.029877
4820	ANKRD63	21.84381	2.867242	0.597327	4.800125	1.59E-06	8.75E-06	6.505036	4.379295	4.87012	26.78552	51.33866	37.18424
7579	LHX9	18.19757	2.866766	0.811372	3.533234	0.000411	0.00144	2.168345	3.284471	7.653045	62.49956	23.53022	10.04979
9890	LY6G6C	12.1715	2.866375	0.993087	2.886328	0.003898	0.010477	0	3.284471	5.565851	15.62489	38.50399	10.04979
17881	LOC119621	1.819458	2.866201	2.101436	1.363925	0.172591	0.25659	0	0	1.391463	2.232127	4.278221	3.014938
17882	LOC103231	1.819458	2.866201	2.101436	1.363925	0.172591	0.25659	0	0	1.391463	2.232127	4.278221	3.014938
5718	LOC119611	18.65734	2.865904	0.663961	4.316373	1.59E-05	7.37E-05	3.252518	2.737059	7.653045	37.94616	34.22577	26.12947
11022	LOC119621	9.972425	2.865823	1.091964	2.624466	0.008679	0.02093	0	1.094824	6.261582	15.62489	27.80844	9.044815
8926	ITIH3	17.97366	2.86549	0.91316	3.137993	0.001701	0.005066	0	2.737059	10.43597	37.94616	40.6431	16.07967
10443	TEX13A	9.641576	2.865372	1.03946	2.756598	0.005841	0.014869	0	1.642235	5.565851	11.16063	21.39111	18.08963
10428	LOC103221	7.613511	2.864619	1.037569	2.760894	0.005764	0.014696	0.542086	1.642235	3.478657	6.696381	19.252	14.06971
13012	KCNA10	5.299992	2.864287	1.300993	2.201617	0.027692	0.056574	0	1.094824	2.782925	8.928508	14.97377	4.019918
6214	RASGEF1A	15.56014	2.864228	0.704156	4.067605	4.75E-05	0.000203	2.710432	4.926706	3.478657	26.78552	36.36488	19.09461
12206	MANSC4	5.723454	2.864034	1.210619	2.365761	0.017993	0.039194	1.626259	1.642235	0.695731	13.39276	14.97377	2.009959
5656	LOC119611	17.70731	2.863537	0.659152	4.344271	1.40E-05	6.57E-05	2.710432	6.568942	3.478657	31.24978	32.08666	30.14938
18063	LOC103231	1.871989	2.863266	2.150397	1.331506	0.183023	0.269356	0	0	1.391463	6.696381	2.139111	1.004979
18064	LOC103231	1.871989	2.863266	2.150397	1.331506	0.183023	0.269356	0	0	1.391463	6.696381	2.139111	1.004979
10888	PLEKHG4B	11.8825	2.862535	1.079146	2.652593	0.007988	0.019503	0	0.547412	8.348776	15.62489	25.66933	21.10457
12255	MHC-DOB	6.762828	2.862251	1.215283	2.355213	0.018512	0.040159	0	2.737059	2.087194	15.62489	17.11289	3.014938
6115	LOC103221	17.23458	2.861453	0.695871	4.112048	3.92E-05	0.00017	5.96295	2.189647	4.174388	33.4819	38.50399	19.09461
394	KLHL14	311.4988	2.86137	0.18105	15.80427	2.91E-56	1.96E-54	64.50828	85.94365	75.83472	553.5675	528.3603	560.7785
54	SLC17A1	2191.117	2.860486	0.098266	29.10954	2.72E-186	1.34E-183	545.881	537.5584	507.8839	3765.598	3764.835	4024.943
6428	LOC119621	27.25207	2.859974	0.720611	3.968818	7.22E-05	0.000299	1.626259	4.379295	13.91463	64.73168	57.75599	21.10457
143	PLXNA2	1772.596	2.859776	0.127249	22.47391	7.47E-112	1.39E-109	375.1238	480.6276	433.4406	2970.961	2943.416	3432.005
9010	CD22	16.31772	2.859346	0.918626	3.112633	0.001854	0.005471	0.542086	1.094824	10.43597	31.24978	38.50399	16.07967
8481	P2RY6	25.69145	2.858982	0.877077	3.259671	0.001115	0.003496	0.542086	1.094824	17.39328	40.17829	57.75599	37.18424
11397	LOC103211	6.899685	2.858924	1.126729	2.537366	0.011169	0.026053	0	1.642235	3.478657	13.39276	12.83466	10.04979
15600	ANGPT2	3.449528	2.856949	1.652097	1.729286	0.083758	0.142728	0	1.094824	1.391463	2.232127	14.97377	1.004979
5648	DGKB	24.8737	2.856627	0.656942	4.348371	1.37E-05	6.46E-05	7.047123	3.831883	6.957314	46.87467	68.45154	16.07967
11881	LOC119621	5.955893	2.856296	1.175464	2.429931	0.015102	0.033792	1.626259	0.547412	2.087194	15.62489	12.83466	3.014938
2896	LOC103211	43.29971	2.855368	0.435665	6.55404	5.60E-11	5.14E-10	11.38381	8.758589	11.1317	78.12444	94.12087	56.27885
5603	B3GNT6	32.20561	2.854533	0.652799	4.372758	1.23E-05	5.82E-05	3.252518	4.379295	16.00182	58.0353	83.42532	28.13943
18014	NXPE4	1.856486	2.853087	2.127901	1.340798	0.179986	0.265608	0	0	1.391463	4.464254	4.278221	1.004979
18015	LOC119621	1.856486	2.853087	2.127901	1.340798	0.179986	0.265608	0	1.391463	4.464254	4.278221	1.004979	
13122	PADI6	9.335386	2.853076	1.306919	2.183055	0.029032	0.058799	0	0	6.957314	8.928508	32.08666	8.039836
18133	LOC119621	15.1718	2.852506	2.167837	1.315831	0.188231	0.275968	0	0	11.1317	15.62489	49.19955	15.07469
881	GMFG	132.1776	2.852375	0.245572	11.61522	3.45E-31	1.04E-29	34.15144	29.01283	33.39511	236.6055	226.7457	233.1552
8405	CCR5	19.30362	2.851379	0.868823	3.281888	0.001031	0.003262	0	3.831883	10.43597	31.24978	49.19955	21.10457
16316	LOC119621	3.285654	2.849224	1.777823	1.602648	0.109012	0.177623	1.626259	0	0.695731	6.696381	10.69555	0
13108	TECTB	4.28109	2.847733	1.302705	2.186015	0.028814	0.05844	0.542086	0.547412	2.087194	8.928508	8.556443	5.024897
161	LGR5	2052.62	2.847199	0.13189	21.58775	2.34E-103	3.87E-101	428.2482	594.4892	480.0546	3618.278	3428.994	3765.658
5771	LOC119621	20.80667	2.846918	0.663976	4.287685	1.81E-05	8.32E-05	5.96295	5.474118	3.478657	26.78552	62.03421	21.10457
16151	BP1FA1	2.440994	2.846292	1.738375	1.637329	0.101562	0.167174	0	1.094824	0.695731	6.696381	2.139111	4.019918
13536	LOC103211	4.033148	2.846087	1.354844	2.100676	0.035669	0.07005	0.542086	1.642235	0.695731	4.464254	12.83466	4.019918
10083	XG	7.561609	2.845677	1.001572	2.841209	0.004494	0.011849	1.626259	1.094824	2.782925	17.85702	14.97377	7.034856
13729	LOC119621	6.060789	2.845245	1.378031	2.064717	0.03895	0.075423	0	1.642235	2.782925	26.78552	2.139111	3.014938
9597	LOC119621	8.350379	2.844819	0.960445	2.961979	0.003057	0.008467	1.626259	1.642235	2.782925	15.62489	21.39111	7.034856
14605	SPATA46	4.371536	2.843994	1.492767	1.905182	0.056756	0.103312	0	1.094824	2.087194	15.62489	6.417332	1.004979
11152	LOC119621	6.51117	2.843759	1.09721	2.591809	0.009547	0.02276	0.542086	2.737059	1.391463	13.39276	14.97377	6.029877
13852	GPR171	4.31723	2.										



18124	MYOT	1.840984	2.8415	2.15789	1.316796	0.187907	0.275621	0	0	1.391463	2.232127	6.417332	1.004979
18670	NCR2	1.803956	2.840817	2.305196	1.232354	0.217817	0.310159	0	0	1.391463	0	6.417332	3.014938
5951	SLC1A2	16.35671	2.840079	0.678574	4.185366	2.85E-05	0.000127	3.794605	2.737059	5.565851	24.5534	36.36488	25.12449
12394	LRRC53	6.22426	2.840073	1.223073	2.322079	0.020229	0.043389	0	3.831883	0.695731	8.928508	12.83466	11.05477
18199	LRRN1	16.95983	2.84003	2.180856	1.302255	0.192829	0.281684	0	0	12.52316	31.24978	44.92132	13.06473
11418	EPX	9.857459	2.837537	1.120546	2.532281	0.011332	0.026386	0	1.094824	6.261582	20.08914	25.66933	6.029877
10424	LOC119620	7.062898	2.837075	1.027446	2.761288	0.005757	0.014683	1.626259	2.737059	0.695731	11.16063	17.11289	9.044815
9891	SPAG17	9.496187	2.836931	0.982946	2.886151	0.0039	0.010481	0.542086	4.926706	1.391463	13.39276	25.66933	11.05477
14333	LOC103220	3.781491	2.835963	1.450408	1.955286	0.050549	0.093759	1.084173	1.642235	0	2.232127	10.69555	7.034856
13889	KRT23	4.303503	2.83525	1.394948	2.032512	0.042102	0.080587	0	1.094824	2.087194	8.928508	10.69555	3.014938
15938	TDRD10	3.681967	2.835143	1.689551	1.678046	0.093338	0.155691	0	0	2.782925	4.464254	12.83466	2.009959
13432	LOC103215	5.355717	2.834008	1.336287	2.120808	0.033938	0.067171	0	0.547412	3.478657	13.39276	10.69555	4.019918
6559	KCNJ15	21.44327	2.833732	0.723587	3.916227	8.99E-05	0.000365	2.710432	1.642235	11.82743	31.24978	47.06043	34.1693
6497	LOC119620	24.15462	2.833098	0.718839	3.941214	8.11E-05	0.000332	3.252518	2.189647	12.52316	49.10679	57.75599	20.09959
13274	LOC103220	5.303186	2.832848	1.315822	2.152911	0.031326	0.062739	0	0.547412	3.478657	8.928508	12.83466	6.029877
12196	LOC103220	5.924722	2.832217	1.196489	2.367107	0.017928	0.039079	0	1.642235	2.782925	13.39276	10.69555	7.034856
16216	MS4A10	2.409989	2.831412	1.742142	1.625248	0.10411	0.170681	0	1.094824	0.695731	2.232127	6.417332	4.019918
18276	LOC119620	19.6802	2.831223	2.197236	1.288538	0.197559	0.287377	0	0	14.61036	29.01765	51.33866	23.11453
5675	ERBB4	19.24101	2.831168	0.652663	4.337873	1.44E-05	6.74E-05	4.336691	5.474118	4.174388	29.01765	51.33866	21.10457
17758	LOC119620	1.604829	2.828561	2.056868	1.375179	0.169076	0.252436	0.542086	0	0.695731	2.232127	2.139111	4.019918
16796	GFY	26.02507	2.828558	1.853043	1.526439	0.126901	0.20086	0	0.547412	18.78475	46.87467	74.86887	15.07469
12955	LOC119620	5.172093	2.828361	1.278496	2.212257	0.026949	0.055302	0.542086	0.547412	2.782925	17.85702	4.278221	5.024897
13411	ME3	5.287684	2.828204	1.331007	2.12486	0.033598	0.066603	0	0.547412	3.478657	6.696381	14.97377	6.029877
9561	SLC39A2	9.180258	2.827876	0.952499	2.968903	0.002989	0.00831	1.084173	2.189647	3.478657	15.62489	25.66933	7.034856
16218	SPATA3	3.666464	2.827527	1.740011	1.625005	0.104162	0.170744	0	0	2.782925	2.232127	14.97377	2.009959
9725	CNTN5	7.902257	2.827052	0.966884	2.923878	0.003457	0.00945	1.084173	3.284471	1.391463	15.62489	14.97377	11.05477
9512	LOC119620	18.79354	2.826161	0.947932	2.981395	0.002869	0.00802	0	1.642235	12.52316	35.71403	42.78221	20.09959
16208	CD80	2.462519	2.825816	1.737762	1.626123	0.103923	0.170459	0	1.094824	0.695731	6.696381	4.278221	2.009959
15200	SEPTIN12	4.471366	2.825793	1.573152	1.796262	0.072453	0.126715	0	0	3.478657	11.16063	2.139111	10.04979
11946	CD86	6.891625	2.824661	1.169651	2.41496	0.015737	0.035021	1.084173	0	4.174388	8.928508	17.11289	10.04979
18968	HCRTR1	1.825481	2.824135	2.3719	1.190664	0.233786	0.327636	0	0	1.391463	0	8.556443	1.004979
18969	FOXO3	1.825481	2.824135	2.3719	1.190664	0.233786	0.327636	0	0	1.391463	0	8.556443	1.004979
16224	SLCO1C1	2.445242	2.823728	1.739733	1.632081	0.104572	0.171354	1.084173	0	0.695731	4.464254	6.417332	2.009959
5692	LOC119620	54.1108	2.823298	0.651884	4.330981	1.48E-05	6.93E-05	10.29964	1.642235	28.52499	82.5887	143.3204	58.28881
68	NPL	2221.112	2.822949	0.104559	26.99863	1.53E-160	6.00E-158	527.45	587.9203	535.7132	3747.741	3771.252	4156.595
11504	LOC103230	9.790055	2.822846	1.12256	2.51465	0.011915	0.027535	0	0.547412	6.957314	22.32127	12.83466	16.07967
13245	PDILT	6.188167	2.822648	1.307747	2.158406	0.030896	0.062014	0	0.547412	4.174388	20.08914	4.278221	8.039836
9879	SOST	9.397195	2.821643	0.977294	2.887199	0.003887	0.010461	1.084173	1.094824	4.87012	15.62489	25.66933	8.039836
12399	LOC119620	7.019987	2.821584	1.215483	2.32137	0.020267	0.043455	0	1.094824	4.174388	17.85702	14.97377	4.019918
3075	ERN2	42.17905	2.820416	0.447317	6.305182	2.88E-10	2.49E-09	13.01007	6.568942	11.82743	89.28508	62.03421	70.34856
5524	LOC103240	19.92341	2.820288	0.640568	4.402793	1.07E-05	5.14E-05	4.878777	5.474118	4.174388	35.71403	49.19955	20.09959
12962	GZMA	5.089444	2.81943	1.275049	2.211233	0.02702	0.055417	0	1.094824	2.782925	8.928508	10.69555	7.034856
10690	IL2RA	9.361942	2.819406	1.046355	2.694503	0.007049	0.017531	0	2.189647	4.87012	13.39276	25.66933	10.04979
15054	LOC103230	3.467338	2.818916	1.545756	1.823649	0.068205	0.120449	0.542086	0	2.087194	4.464254	10.69555	3.014938
13300	SH2D2A	8.233412	2.818207	1.312458	2.147274	0.031772	0.063507	0	0	6.261582	17.85702	19.252	6.029877
10193	LOC103220	9.022407	2.817454	1.000085	2.817213	0.004844	0.012635	2.710432	1.094824	2.782925	17.85702	25.66933	4.019918
10945	TRIM55	7.292767	2.816655	1.066834	2.640201	0.008286	0.020126	1.084173	2.189647	2.087194	6.696381	25.66933	6.029877
6514	SPATA19	21.95303	2.816302	0.715949	3.933662	8.37E-05	0.000341	3.794605	2.189647	10.43597	46.87467	51.33866	17.08465
14403	AMELX	4.142292	2.815523	1.449129	1.942907	0.052027	0.096032	0	1.642235	1.391463	13.39276	6.417332	2.009959
17568	LOC103240	2.136806	2.815331	2.00399	1.404863	0.160062	0.24219	0.542086	1.094824	0	0	2.139111	9.044815
12128	LOC103230	6.317013	2.813963	1.182643	2.739385	0.017342	0.038013	0	3.284471	1.391463	15.62489	8.556443	9.044815
11590	LOC103220	7.297902	2.813938	1.127186	2.496426	0.012545	0.028776	1.626259	1.642235	2.087194	4.464254	29.94755	4.019918
16439	PRR15	2.431514	2.812125	1.777312	1.582235	0.113596	0.183706	0	1.094824	0.695731	2.232127	8.556443	2.009959
7555	TMEM150	27.12915	2.811737	0.794195	3.540361	0.0004	0.001406	2.710432	1.094824	16.69755	60.26743	59.8951	22.10955
15469	LOC119610	3.505253	2.811473	1.606763	1.749775	0.080157	0.137758	0	0.547412	2.087194	6.696381	10.69555	1.004979
10040	ST14	9.321198	2.811245	0.985312	2.853151	0.004329	0.011462	0.542086	1.094824	5.565851	13.39276	19.252	16.07967
10717	MALL	9.405622	2.811219	1.046085	2.687372	0.007202	0.017865	0	1.642235	5.565851	22.32127	12.83466	14.06971
17655	LOC103240	2.673433	2.810282	2.014131	1.395283	0.162931	0.245342	0	0	2.087194	8.928508	0	5.024897
11563	LOC103240	8.598058	2.810218	1.123027	2.50236	0.012337	0.028362	1.626259	0	4.87012	13.39276	25.66933	6.029877
7328	CYP2A24	16.93508	2.810189	0.77541	3.624136	0.00029	0.001052	2.168345	1.642235	9.044508	29.01765	40.6431	19.09461
13444	HEPACAM	4.883666	2.809385	1.326307	2.118201	0.034158	0.067546	0.542086	1.642235	1.391463	4.464254	19.252	2.009959
12709	LOC119610	5.505201	2.808857	1.244789	2.256493	0.02404	0.050286	0.542086	2.737059	0.695731	8.928508	17.11289	3.014938
8270	LOC103230	14.0511	2.80881	0.845376	3.322558	0.000892	0.002867	3.794605	1.094824	5.565851	42.41041	21.39111	10.04979
14014	CYP4F12	4.074258	2.808644	1.396954	2.010549	0.044373	0.084177	0	1.642235	1.391463	6.696381	10.69555	4.019918
14290	LOC119620	4.337703	2.808574	1.430359	1.963544	0.049583	0.092244	0	0.547412	2.782925	13.39276	4.278221	5.024897
8263	LOC103210	11.62587	2.80841	0.84461	3.325097	0.000884	0.002844	2.168345	1.094824	5.565851	22.32127	23.53022	15.07469
7116	LOC103210	14.5394	2.80795	0.760929	3.690163	0.000224	0.000837	3.794605	2.737059	4.174388	31.24978	34.22577	11.05477
8299	LOC119620	14.22277	2.807739	0.847476	3.313059	0.000923	0.002956	1.084173	3.284471	6.261582	35.71403	29.94755	9.044815
11918	AIF1	7.842956	2.807439	1.159853	2.420514	0.015499	0.034572	0	1.094824	4.87012	20.08914	14.97377	6.029877
14019	LOC103240	4.268782	2.807051	1.396583	2.009942	0.044437	0.084269	0.542086	0	2.782925	6.696381	8.556443	7.034856
15598	LOC119620	3.088303	2.80674	1.622565	1.729817	0.083663	0.142594	1.084173	1.094824	0	8.928508	6.417332	1.004979
19002	LOC119610	28.67671	2.8061	2.3696	1.184208	0.236331							



755 KRT19	158.1751	2.80532	0.225329	12.4499	1.40E-35	4.93E-34	42.28274	38.31883	38.26523	270.0874	271.6671	288.4291
9354 FAT2	12.92203	2.804361	0.929211	3.018003	0.002544	0.007232	0.542086	1.642235	7.653045	24.5534	32.08666	11.05477
1919 APOH	63.23879	2.803016	0.343844	8.151989	3.58E-16	4.96E-15	16.26259	16.42235	14.61036	120.5349	109.0946	102.5079
16983 LOC103248	2.452152	2.802868	1.874855	1.494978	0.13492	0.211195	0.542086	0.547412	0.695731	2.232127	10.69555	0
6301 DHH	29.92274	2.802566	0.696201	4.025515	5.69E-05	0.00024	2.710432	2.737059	17.39328	44.64254	74.86887	37.18424
11287 LOC103248	7.151306	2.802339	1.094264	2.560935	0.010439	0.024588	2.168345	1.642235	1.391463	11.16063	23.53022	3.014938
5331 FOXA2	25.42052	2.802161	0.6224	4.502184	6.73E-06	3.35E-05	2.168345	6.02153	11.1317	42.41041	55.61688	35.17428
16807 LOC119625	2.626925	2.801667	1.837984	1.524315	0.12743	0.201566	0	0	2.087194	2.232127	6.417332	5.024897
11596 LOC103215	6.758849	2.80156	1.122653	2.495481	0.012579	0.028838	0.542086	1.094824	3.478657	11.16063	19.252	5.024897
17841 LOC119625	1.642744	2.801553	2.045002	1.369951	0.170702	0.254364	0	0.547412	0.695731	4.464254	2.139111	2.009959
6928 LOC119615	14.6985	2.800534	0.744006	3.764128	0.000167	0.000641	1.626259	3.284471	6.261582	31.24978	25.66933	20.09959
17070 LOC103215	2.716484	2.79902	1.885098	1.484814	0.137593	0.214288	0	0	2.087194	8.928508	4.278221	1.004979
4592 LOC103215	36.4874	2.797672	0.565531	4.946981	7.54E-07	4.36E-06	5.96295	3.831883	18.08902	69.19594	70.59065	51.25395
8798 ETNPPL	9.542964	2.79565	0.880473	3.17517	0.001497	0.004525	2.168345	2.189647	2.782925	13.39276	25.66933	11.05477
3322 LOC103248	35.42599	2.794385	0.464014	6.022203	1.72E-09	1.38E-08	8.673382	6.568942	11.82743	60.26743	59.8951	65.32367
16356 APOF	3.344042	2.792762	1.750629	1.595291	0.110647	0.17984	0	1.094824	1.391463	11.16063	6.417332	0
10241 LOC103235	10.93804	2.79231	0.995409	2.805188	0.005029	0.013054	5.420864	0.547412	2.087194	29.01765	23.53022	5.024897
10756 LOC103215	18.79647	2.792081	1.042485	2.678293	0.0074	0.018291	0	0.547412	13.91463	29.01765	49.19955	20.09959
14364 LOC119625	4.274805	2.791847	1.432231	1.949299	0.05126	0.094864	0.542086	0	2.782925	4.464254	12.83466	5.024897
11091 LOC119625	7.529288	2.791119	1.070171	2.608105	0.009105	0.021823	0.542086	1.094824	4.174388	8.928508	21.39111	9.044815
17891 ASZ1	1.627242	2.790618	2.048815	1.362064	0.173178	0.25727	0	0.547412	0.695731	2.232127	4.278221	2.009959
17892 LOC103248	1.627242	2.790618	2.048815	1.362064	0.173178	0.25727	0	0.547412	0.695731	2.232127	4.278221	2.009959
17893 LOC119625	1.627242	2.790618	2.048815	1.362064	0.173178	0.25727	0	0.547412	0.695731	2.232127	4.278221	2.009959
8165 ONECUT3	28.89397	2.790458	0.830552	3.359765	0.00078	0.00254	0.542086	2.189647	19.48048	62.49956	53.47777	35.17428
252 KIF12	716.0432	2.789956	0.151509	18.41447	1.01E-75	1.06E-73	200.0299	154.9175	189.2389	1189.724	1159.398	1402.951
18624 SPACA7	1.679772	2.789923	2.261295	1.233772	0.217288	0.309867	0	0.547412	0.695731	6.696381	2.139111	0
18634 WNT3A	1.679772	2.789923	2.261295	1.233772	0.217288	0.309867	0	0.547412	0.695731	6.696381	2.139111	0
13516 LOC103248	5.108142	2.789582	1.325073	2.105229	0.035271	0.069376	0	0.547412	3.478657	11.16063	6.417332	9.044815
7853 ERICH4	14.9964	2.788783	0.807743	3.452562	0.000555	0.00188	1.084173	2.737059	7.653045	33.4819	29.94755	15.07469
16928 LOC119625	2.64845	2.788493	1.856062	1.502371	0.133001	0.208875	0	0	2.087194	2.232127	8.556443	3.014938
11413 LOC103225	6.596751	2.787423	1.100247	2.533453	0.011294	0.026307	1.084173	1.094824	2.782925	15.62489	14.97377	4.019918
12132 LOC103215	8.247519	2.787262	1.17165	2.378919	0.017363	0.038043	2.710432	3.284471	0	20.08914	21.39111	2.009959
13584 MEOX1	5.14517	2.786886	1.332154	2.092015	0.036437	0.071311	0	0.547412	3.478657	13.39276	6.417332	7.034856
9317 GJD4	11.10635	2.786024	0.920009	3.028256	0.00246	0.007018	1.084173	4.379295	2.782925	24.5534	27.80844	6.029877
12293 GLTPD2	6.80944	2.784873	1.187082	2.345982	0.018977	0.04104	0	1.094824	4.174388	17.85702	10.69555	7.034856
6382 LOC103225	18.6806	2.78394	0.698316	3.986645	6.70E-05	0.000279	5.420864	4.926706	3.478657	42.41041	42.78221	13.06473
4613 LOC103215	26.97608	2.783171	0.563626	4.937978	7.89E-07	4.55E-06	4.878777	7.116354	8.348776	51.33892	62.03421	28.13943
18562 LOC103248	1.663382	2.780805	2.240404	1.241207	0.214529	0.307255	0.542086	0	0.695731	4.464254	4.278221	0
7569 LRRC4	15.46789	2.78023	0.786408	3.535352	0.000407	0.00143	1.626259	3.831883	6.261582	37.94616	32.08666	11.05477
2346 LOC119625	112.0763	2.780027	0.378493	7.344997	2.06E-13	2.33E-12	20.59928	22.9913	41.74388	218.7484	258.8324	109.5428
3929 LOC103248	34.29127	2.779278	0.512527	5.422696	5.87E-08	3.97E-07	7.589209	6.02153	12.52316	60.26743	79.14709	40.19918
10042 SPEN1	8.42575	2.778689	0.974226	2.8522	0.004342	0.011494	2.168345	2.737059	1.391463	26.78552	6.417332	11.05477
16330 LOC119615	2.465714	2.776901	1.736098	1.599507	0.109708	0.178592	0	0.547412	1.391463	6.696381	2.139111	4.019918
12827 TCF23	5.652164	2.776536	1.242987	2.233761	0.025499	0.052845	0	1.642235	2.782925	4.464254	14.97377	10.04979
6811 LOC119625	18.05496	2.776496	0.728205	3.812793	0.000137	0.000536	1.626259	3.284471	9.044508	40.17829	32.08666	22.10955
11200 ACR	6.84784	2.776427	1.075145	2.582375	0.009812	0.023291	0.542086	3.284471	1.391463	6.696381	17.11289	12.05975
17726 LOC119625	2.236635	2.77627	2.011976	1.379872	0.167626	0.25139	1.626259	0	0	2.232127	8.556443	1.004979
13366 LOC103235	4.923001	2.776242	1.301156	2.133673	0.03287	0.065378	1.084173	0.547412	2.087194	6.696381	17.11289	2.009959
15888 LOC119615	3.589806	2.77543	1.645782	1.686389	0.091721	0.153474	2.710432	0	0	2.232127	8.556443	8.039836
8822 LOC119615	11.36022	2.77453	0.876213	3.1665	0.001543	0.004649	1.626259	1.642235	5.565851	11.16063	32.08666	16.07967
13934 RNASE13	5.18822	2.774076	1.369605	2.025457	0.04282	0.081698	0	0.547412	3.478657	13.39276	10.69555	3.014938
15281 LOC103225	4.318743	2.77391	1.555527	1.78326	0.074544	0.129687	0	0.547412	2.782925	4.464254	17.11289	1.004979
12796 HEY2	6.125587	2.771992	1.237252	2.240442	0.025062	0.052069	1.084173	2.737059	0.695731	6.696381	23.53022	2.009959
9694 HRC	24.36724	2.77155	0.945139	2.932426	0.003363	0.009223	0	2.189647	16.69755	33.4819	72.72976	21.10457
6971 CAPN14	17.8428	2.770962	0.739398	3.747592	0.000179	0.000681	4.336691	1.094824	8.348776	3.464254	34.22577	21.10457
16243 BOLL	2.450211	2.770707	1.712542	1.617891	0.105686	0.172945	0	0.547412	1.391463	4.464254	4.278221	4.019918
16245 LOC119625	2.450211	2.770707	1.712542	1.617891	0.105686	0.172945	0	0.547412	1.391463	4.464254	4.278221	4.019918
16246 ABO	2.450211	2.770707	1.712542	1.617891	0.105686	0.172945	0	0.547412	1.391463	4.464254	4.278221	4.019918
390 PTH1R	335.3956	2.770405	0.174882	15.84158	1.61E-56	1.10E-54	86.19173	81.56436	89.74935	649.549	513.3866	591.9329
18786 LOC103225	1.647879	2.769986	2.270776	1.219841	0.222525	0.314906	0.542086	0	0.695731	2.232127	6.417332	0
156 ADGRF2	1002.22	2.76757	0.12722	2.175416	6.31E-105	1.08E-102	279.7166	233.7448	257.4206	1616.06	1771.184	1855.192
9602 DCST1	8.802215	2.766657	0.934474	2.960658	0.00307	0.008499	1.084173	2.189647	3.478657	15.62489	21.39111	9.044815
501 LOC119625	241.4761	2.766007	0.188714	14.65712	1.21E-48	6.44E-47	61.25576	59.66789	65.39875	415.1756	402.1528	445.2059
16388 OTOP1	3.560979	2.765644	1.73913	1.590245	0.11178	0.181331	0	0	2.782925	11.16063	6.417332	1.004979
18800 LOC103225	1.648767	2.765619	2.27038	1.218131	0.223174	0.31559	0	0.547412	0.695731	2.232127	6.417332	0
3412 TM4SF20	33.22279	2.76525	0.46593	5.934906	2.94E-09	2.29E-08	9.215468	9.306001	6.957314	55.80317	57.75599	60.29877
3266 LOC119625	74.59625	2.764784	0.454993	6.176539	1.23E-09	1.00E-08	9.215468	16.96977	31.30791	136.1597	177.5462	76.37844
9727 TRNAL-AA	8.650484	2.764553	0.945738	2.923171	0.003465	0.00947	1.084173	2.737059	2.782925	24.5534	10.69555	10.04979
20738 LOC119625	0.82297	2.763414	3.030136	0.911977	0.361781	0.463761	0	0	0.695731	2.232127	0	2.009959
20739 LOC119625	0.82297	2.763414	3.030136	0.911977	0.361781	0.463761	0	0	0.695731	2.232127	0	2.009959
7334 CNTN2	14.56086	2.763207	0.763257	3.620283	0.000294	0.001067	2.168345	2.189647	6.957314	29.01765	29.94755	17.08465
10795 LOC103235	7.834424	2.762892	1.034168	2.671607	0.007549	0.018592	0.542086	3.284471	2.087194	20.08914	14.97377	6.029877
20815 LOC103225	0.79825	2.762889	3.060667	0.902708	0.366681	0.468348	0	0.547412	0			



12400	LOC119626	7.250804	2.762067	1.190043	2.32098	0.020288	0.043496	0	2.737059	2.782925	17.85702	17.11289	3.014938
15672	LOC119624	3.022576	2.761114	1.603187	1.722281	0.085019	0.14422	1.626259	0	0.695731	2.232127	8.556443	5.024897
3772	NT5C1A	36.84337	2.760075	0.495263	5.572951	2.50E-08	1.77E-07	9.757555	9.306001	9.044508	51.33892	98.39909	43.21412
12896	ITIH6	5.580512	2.759834	1.243496	2.219415	0.026459	0.054544	0	2.189647	2.087194	15.62489	8.556443	5.024897
10621	LOC119618	9.092319	2.759353	1.016557	2.714411	0.006639	0.016619	1.626259	0.547412	4.87012	20.08914	21.39111	6.029877
21497	P3R3URF	0.785942	2.759227	3.432865	0.803768	0.421531	0.521301	0	0	0.695731	0	0	4.019918
5665	RGS16	19.36016	2.75765	0.635336	4.340457	1.42E-05	6.67E-05	4.336691	4.926706	5.565851	29.01765	49.19955	23.11453
16222	MAGEB3	3.455917	2.756344	1.69789	1.623393	0.104505	0.171266	0	0	2.782925	2.232127	10.69555	5.024897
16122	LOC103235	3.492945	2.756259	1.6791	1.64151	0.100692	0.166039	0	0	2.782925	4.464254	10.69555	3.014938
13231	VSTM5	9.717877	2.755847	1.27415	2.162891	0.03055	0.061383	0	0	7.653045	20.08914	23.53022	7.034856
10337	LOC103218	9.025174	2.75536	0.991109	2.780078	0.005435	0.013977	1.084173	1.094824	4.87012	13.39276	25.66933	8.039836
21474	LOC119624	0.83439	2.755235	3.412642	0.807361	0.419458	0.519222	0.542086	0	0	4.464254	0	0
21476	LOC119620	0.83439	2.755235	3.412642	0.807361	0.419458	0.519222	0.542086	0	0	4.464254	0	0
21477	LOC103241	0.83439	2.755235	3.412642	0.807361	0.419458	0.519222	0.542086	0	0	4.464254	0	0
21469	LOC119627	0.835278	2.755187	3.411377	0.807647	0.419294	0.51918	0	0.547412	0	4.464254	0	0
21470	LOC119615	0.835278	2.755187	3.411377	0.807647	0.419294	0.51918	0	0.547412	0	4.464254	0	0
21472	LOC119625	0.835278	2.755187	3.411377	0.807647	0.419294	0.51918	0	0.547412	0	4.464254	0	0
13494	LOC119627	4.64699	2.754856	1.306599	2.108417	0.034995	0.068953	1.626259	0	2.087194	6.696381	6.417332	11.05477
13100	LOC103220	4.958088	2.754413	1.258925	2.187909	0.028676	0.058195	0.542086	0.547412	2.782925	11.16063	10.69555	4.019918
196	ADGRF4	636.3143	2.754243	0.134861	20.4229	1.05E-92	1.42E-90	153.9525	179.0037	160.0182	1080.349	1105.92	1138.642
1524	TMEM72	92.92079	2.754034	0.300423	9.167195	4.85E-20	8.47E-19	23.8518	20.25424	28.52499	162.9453	139.0422	182.9063
21406	LOC103241	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21407	LOC119624	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21409	ZNFB8	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21410	LOC119628	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21412	LOC103241	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21413	LOC103235	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21414	AGTR2	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
21415	LOC119627	0.859998	2.753837	3.376935	0.815484	0.414795	0.514935	0	0	0.695731	4.464254	0	0
10729	LOC103218	9.063089	2.753215	1.025344	2.685162	0.007249	0.017963	0.542086	1.642235	4.87012	15.62489	25.66933	6.029877
17470	LOC103238	2.524267	2.752791	1.943914	1.416108	0.156744	0.238525	0	0.547412	1.391463	8.928508	4.278221	0
16430	LOC119627	2.470849	2.751933	1.737228	1.584095	0.113172	0.183121	0.542086	0	1.391463	4.464254	6.417332	2.009959
14855	LOC103244	4.105001	2.75166	1.478303	1.861364	0.062693	0.112197	0	1.094824	2.087194	4.464254	14.97377	2.009959
4124	RHOV	35.55946	2.750943	0.521536	5.274689	1.33E-07	8.57E-07	5.420864	7.663765	14.61036	84.82083	55.61688	45.22408
13501	NPPC	5.151418	2.750243	1.305613	2.106476	0.035163	0.069234	2.710432	1.094824	0	13.39276	10.69555	3.014938
5052	LOC103227	30.1399	2.749973	0.59018	4.65955	3.17E-06	1.67E-05	7.047123	3.831883	12.52316	80.35657	44.92132	32.15934
16437	LOC103235	2.471737	2.749193	1.737155	1.582583	0.113516	0.1836	0	0.547412	1.391463	4.464254	6.417332	2.009959
7736	FRMD3	13.78294	2.748687	0.789573	3.481231	0.000499	0.001715	3.794605	3.831883	2.782925	29.01765	34.22577	9.044815
14841	LOC119627	3.076882	2.747404	1.474427	1.863371	0.06241	0.111797	0.542086	1.094824	0.695731	6.696381	6.417332	3.014938
241	CTSD	26961.34	2.74721	0.147035	18.68404	6.68E-78	7.37E-76	7952.407	5451.127	7568.862	45059.95	41402.49	54333.21
13708	LOC119625	7.892396	2.746659	1.328744	2.067109	0.038724	0.0751	0	0	6.261582	20.08914	14.97377	6.029877
13621	LOC119620	6.468057	2.745875	1.317012	2.084927	0.037076	0.072363	0	2.189647	2.782925	17.85702	14.97377	1.004979
7399	SRPK3	14.15826	2.744886	0.762411	3.600273	0.000318	0.001142	3.794605	1.642235	5.565851	26.78552	32.08666	15.07469
9355	PNMA8C	11.35634	2.744613	0.909582	3.017444	0.002549	0.007244	1.626259	1.642235	5.565851	22.32127	29.94755	7.034856
17452	SLC5A12	2.508765	2.744084	1.935003	1.481129	0.156153	0.237871	0	0.547412	1.391463	6.696381	6.417332	0
9053	SRMS	10.13946	2.74363	0.886414	3.095201	0.001967	0.005776	2.168345	2.189647	3.478657	31.24978	10.69555	11.05477
4878	CACNA1I	40.13578	2.743012	0.577076	4.753296	2.00E-06	1.09E-05	4.878777	7.116354	19.48048	58.0353	109.0946	42.20914
17172	LOC103248	3.418889	2.742997	1.863761	1.471754	0.141087	0.21844	0	0	2.782925	0	10.69555	7.034856
17200	SLC7A4	3.050124	2.742825	1.868721	1.467755	0.142171	0.219732	1.626259	0	0.695731	0	14.97377	1.004979
12424	LOC103225	6.394001	2.742409	1.183943	2.316336	0.02054	0.043954	0	2.189647	2.782925	13.39276	14.97377	5.024897
16689	NKX2-5	2.456234	2.741299	1.77486	1.544516	0.122463	0.195068	0	0.547412	1.391463	2.232127	8.556443	2.009959
4167	LOC119624	26.4305	2.740881	0.522379	5.246924	1.55E-07	9.87E-07	6.505036	7.116354	6.957314	40.17829	55.61688	42.20914
15201	LOC119625	3.044989	2.740729	1.525753	1.796313	0.072445	0.126715	1.084173	0.547412	0.695731	2.232127	10.69555	3.014938
20837	LOC103225	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20838	LOC119624	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20839	LOC103248	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20840	LOC103225	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20841	LOC103235	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20842	LOC119620	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20843	CLDN8	0.807467	2.740523	3.048003	0.899121	0.368588	0.47013	0	0	0.695731	0	2.139111	2.009959
20904	LOC119624	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20907	PANX3	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20908	LOC119628	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20909	LOC119618	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20910	TCL1B	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20912	LOC103235	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
20914	LOC103215	0.782747	2.739815	3.07943	0.889715	0.373619	0.474955	0	0.547412	0	0	2.139111	2.009959
1194	CNIH2	117.5943	2.739781	0.269556	10.16404	2.87E-24	6.39E-23	30.35684	29.01283	32.69937	236.6055	166.8506	210.0407
12558	LOC119628	5.598321	2.739262	1.195175	2.291934	0.021909	0.046383	0.542086	1.094824	2.782925	17.85702	4.278221	7.034856
214	LOC103235	573.5552	2.737751	0.138891	19.71153	1.72E-86	2.13E-84	150.7	149.9908	148.8865	973.2074	941.2087	1077.338
16111	NR1I3	3.083792	2.736907	1.665629	1.643167	0.100348	0.165568	0	1.642235	0.695731	4.464254	10.69555	1.004979
361	VSIR	435.2412	2.736868	0.168432	16.24911	2.27E-59	1.67E-57	119.259	96.89189	125.9274	743.2983	690.9327	835.1379
7792	GRM4	23.07436	2.736506	0.789119	3.467797	0.000525	0.00179	0.542086	3.831883	13.91463	49.10679	44.92132	26.12947
187	EEPD1	986.9771	2.736147	0.132766	20.60876	2.29E-94	3.26E-92	272.1274	282.4645	217.0682	1703.113	1681.341	1765.7



17573	CUNH11or	2.493262	2.735983	1.948361	1.404249	0.160245	0.242396	0	0.547412	1.391463	4.464254	8.556443	0
17574	GC	2.493262	2.735983	1.948361	1.404249	0.160245	0.242396	0	0.547412	1.391463	4.464254	8.556443	0
17575	KLRF2	2.493262	2.735983	1.948361	1.404249	0.160245	0.242396	0	0.547412	1.391463	4.464254	8.556443	0
14472	LOC119615	4.117676	2.735619	1.41737	1.930067	0.053599	0.09846	0	0.547412	2.782925	8.928508	6.417332	6.029877
17222	LOC119615	3.052787	2.735425	1.868721	1.463795	0.14325	0.22113	0	1.642235	0.695731	0	14.97377	1.004979
8294	RASD1	13.52991	2.735229	0.825206	3.314602	0.000918	0.002942	2.168345	2.189647	6.261582	17.85702	40.6431	12.05975
19204	LOC119622	30.12902	2.735063	2.373816	1.15218	0.249247	0.345045	0	0	23.65487	42.41041	85.56443	29.1444
4710	IFITM10	646.7748	2.734988	0.560615	4.87855	1.07E-06	6.03E-06	219.545	63.49977	224.0255	1180.795	864.2007	1328.583
14151	LOC119624	3.852456	2.734965	1.377668	1.985214	0.047121	0.088524	1.084173	0.547412	1.391463	2.232127	12.83466	5.024897
17521	LOC119618	2.439844	2.734753	1.937161	1.411732	0.158029	0.239678	0.542086	0	1.391463	0	10.69555	2.009959
13877	ASCL1	7.830385	2.734576	1.344462	2.033955	0.041956	0.080378	0	0	6.261582	11.16063	23.53022	6.029877
7950	LOC119625	16.21345	2.734307	0.798447	3.424533	0.000616	0.002059	1.626259	2.189647	9.044508	24.5534	42.78221	17.08465
9947	LOC103224	10.11784	2.734172	0.950648	2.876114	0.004026	0.01076	3.794605	0.547412	3.478657	22.32127	23.53022	7.034856
14588	FERD3L	4.065145	2.73412	1.432127	1.909132	0.056245	0.1025	0	0.547412	2.782925	4.464254	8.556443	8.039836
4756	DMKN	25.92334	2.73145	0.564337	4.840103	1.30E-06	7.25E-06	5.96295	7.116354	6.957314	58.0353	51.33866	26.12947
15042	PCDHB1	5.21294	2.731268	1.496157	1.825522	0.067922	0.12004	0	0	4.174388	13.39276	10.69555	3.014938
3695	LOC103237	30.76057	2.729765	0.483633	5.644287	1.66E-08	1.19E-07	8.673382	6.568942	9.044508	55.80317	49.19955	55.27387
15117	LOC103218	3.94379	2.729729	1.50779	1.810417	0.070231	0.12351	0	1.642235	1.391463	8.928508	10.69555	1.004979
17847	NPBWR2	2.477759	2.72854	1.992734	1.369245	0.170923	0.254607	0	0.547412	1.391463	2.232127	10.69555	0
11934	TMPRSS7	7.822018	2.727711	1.127994	2.418197	0.015598	0.034746	2.168345	1.094824	2.782925	8.928508	29.94755	2.009959
19075	GPR26	18.51934	2.727677	2.324142	1.173627	0.240544	0.335249	0	0	14.61036	42.41041	47.06043	7.034856
3346	LOC103235	37.1696	2.727038	0.454634	5.998312	1.99E-09	1.58E-08	8.131296	12.59047	8.348776	75.89232	57.75599	60.29877
7879	HOXD12	17.86541	2.726843	0.79117	3.446595	0.000568	0.001915	1.626259	2.189647	10.43597	26.78552	47.06043	19.09461
1484	DDC	106.6233	2.726544	0.293427	9.292072	1.51E-20	2.71E-19	27.6464	21.34906	35.4823	160.7131	209.6328	184.9162
10654	LOC103215	7.592872	2.726303	1.008802	2.702516	0.006882	0.017172	0.542086	3.284471	2.087194	15.62489	14.97377	9.044815
5108	RARB	35.84464	2.726107	0.589519	4.62429	3.76E-06	1.96E-05	14.09425	9.306001	4.174388	73.66019	87.70354	26.12947
6551	LOC103227	15.00627	2.725077	0.695286	3.91936	8.88E-05	0.00036	3.252518	3.831883	4.87012	17.85702	32.08666	28.13943
13492	CDH4	7.659694	2.724413	1.292179	2.108387	0.034998	0.068953	0	0.547412	5.565851	11.16063	25.66933	3.014938
859	LOC119618	156.5352	2.723954	0.232133	11.73444	8.49E-32	2.63E-30	47.7036	37.224	38.26523	285.7123	260.9715	269.3345
16766	FAM184B	3.336869	2.722981	1.779171	1.530478	0.125899	0.199609	0.542086	0	2.087194	6.696381	10.69555	0
7444	LOC119627	12.89303	2.722491	0.759658	3.583837	0.000339	0.001209	1.626259	4.379295	4.174388	24.5534	23.53022	19.09461
10223	CUNH1orf	7.79253	2.72243	0.969217	2.808898	0.004971	0.012927	1.626259	1.094824	3.478657	13.39276	17.11289	10.04979
16400	LOC119615	3.782579	2.722237	1.713852	1.588374	0.112202	0.181883	0	2.189647	0.695731	13.39276	6.417332	0
7738	SEMA3G	23.89618	2.722099	0.781937	3.481227	0.000499	0.001715	1.084173	2.737059	15.30609	44.64254	53.47777	26.12947
14099	LOC103218	5.34781	2.721795	1.364593	1.994583	0.046088	0.086904	0	2.737059	1.391463	6.696381	19.252	2.009959
12652	AIPL1	9.373667	2.721297	1.198604	2.270388	0.023184	0.048715	0	0.547412	6.957314	22.32127	21.39111	5.024897
12013	PON3	7.39552	2.72024	1.131465	2.404176	0.016209	0.035871	0	4.379295	1.391463	17.85702	10.69555	10.04979
8440	PNMT	13.44144	2.720225	0.83144	3.271705	0.001069	0.003367	1.626259	2.189647	6.957314	37.94616	12.83466	19.09461
2459	COL22A1	66.90887	2.719977	0.378673	7.182915	6.82E-13	7.38E-12	13.01007	18.06459	21.56767	127.2312	141.1813	80.39836
7920	GPR55	38.38533	2.719775	0.792254	3.432959	0.000597	0.002004	0.542086	4.379295	25.74206	58.0353	98.39909	43.21412
19059	LOC119627	1.448753	2.719752	2.312918	1.175897	0.239636	0.334264	1.084173	0	0	4.464254	2.139111	1.004979
3853	LOC103215	29.8461	2.719091	0.494745	5.49595	3.89E-08	2.68E-07	9.215468	6.568942	7.653045	55.80317	55.61688	44.2191
12446	LOC119625	9.21068	2.718571	1.176154	2.311408	0.02081	0.044449	1.084173	0	6.261582	26.78552	17.11289	4.019918
19570	LOC103235	1.397997	2.71785	2.496759	1.088551	0.276352	0.375412	0	1.094824	0	0	4.278221	3.014938
11368	LOC119627	7.151244	2.717722	1.067984	2.544723	0.109936	0.025576	0.542086	1.094824	4.174388	8.928508	17.11289	11.05477
16561	HOPX	4.32796	2.717718	1.737998	1.563705	0.117887	0.189251	0	0	3.478657	2.232127	19.252	1.004979
13372	LOC103235	6.585955	2.717459	1.274752	2.131755	0.033027	0.065661	0	1.094824	4.174388	6.696381	23.53022	4.019918
9309	BCL6B	9.279199	2.717368	0.896481	3.03115	0.002436	0.006959	2.168345	1.642235	3.478657	20.08914	19.252	9.044815
16596	CLIC2	3.248198	2.71617	1.743304	1.558058	0.119219	0.190977	0	0.547412	2.087194	0	12.83466	4.019918
21013	LOC119627	0.818887	2.715922	3.093766	0.877869	0.380015	0.48076	0.542086	0	0	2.232127	2.139111	0
21014	LOC119625	0.818887	2.715922	3.093766	0.877869	0.380015	0.48076	0.542086	0	0	2.232127	2.139111	0
20997	LOC119618	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
20999	LINC02868	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21000	LOC119625	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21001	PLSCR5	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21002	LOC119628	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21004	LOC103230	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21005	LOC103247	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21009	KRTAP19-5	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
21010	LOC103234	0.819775	2.715868	3.0927	0.878154	0.37986	0.480632	0	0.547412	0	2.232127	2.139111	0
2907	LOC103248	43.32542	2.715684	0.415387	6.537723	6.25E-11	5.71E-10	11.9259	9.306001	13.2189	84.82083	66.31243	74.36848
18649	IRX1	16.61378	2.715496	2.201707	1.23336	0.217442	0.309973	0	0	13.2189	40.17829	34.22577	12.05975
244	IFIT3	490.7448	2.714377	0.145412	18.66674	9.23E-78	1.01E-75	130.1007	135.7581	123.1445	897.315	797.8883	860.2624
20928	LOC119628	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20931	LOC119624	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20932	RETNLB	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20933	CUNH3orf	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20935	LOC119625	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20936	LOC119628	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20938	LOC119618	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20940	MAGEB1	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20941	LOC119620	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20943	NAA10	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20945	AMTN	0.844495	2.714371	3.063689	0.885981	0.3							



20946	LOC119621	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
20947	LOC103218	0.844495	2.714371	3.063689	0.885981	0.375628	0.47673	0	0	0.695731	2.232127	2.139111	0
7213	PDYN	12.87894	2.713585	0.740841	3.662844	0.000249	0.000919	2.710432	2.737059	4.87012	22.32127	23.53022	21.10457
9321	L1TD1	11.89036	2.712822	0.896644	3.025529	0.002482	0.007079	2.168345	1.094824	6.261582	13.39276	36.36488	12.05975
16716	NMU	2.25622	2.711845	1.761514	1.539497	0.123683	0.196704	1.084173	0	0.695731	4.464254	4.278221	3.014938
849	IL1R2	152.854	2.710883	0.230085	11.78211	4.83E-32	1.51E-30	41.19856	37.77142	42.43961	256.6946	288.7799	250.2399
19079	LOC119621	1.450528	2.710782	2.311911	1.172528	0.240985	0.355775	0	1.094824	0	4.464254	2.139111	1.004979
5897	AATK	25.77583	2.710267	0.64288	4.215823	2.49E-05	0.000112	2.168345	6.568942	11.82743	51.33892	55.61688	27.13445
14302	LOC119621	3.638714	2.708406	1.381301	1.960764	0.049907	0.092768	1.084173	1.094824	0.695731	2.232127	10.69555	6.029877
4164	LOC119615	29.29855	2.707977	0.515957	5.24845	1.53E-07	9.79E-07	5.420864	8.758589	9.044508	51.33892	62.03421	39.1942
18597	LOC103221	1.630436	2.707905	2.190989	1.235928	0.216485	0.309472	0	0	1.391463	2.232127	2.139111	4.019918
15250	LOC119621	4.128833	2.707633	1.513962	1.788441	0.073705	0.128481	0.542086	0	2.782925	4.464254	14.97377	2.009959
19740	LOC119615	1.417747	2.707492	2.549685	1.061893	0.288284	0.388249	1.084173	0	0	0	6.417332	1.004979
16232	CUNH3orf4	2.257107	2.707274	1.669963	1.621158	0.104984	0.171944	0.542086	0.547412	0.695731	4.464254	4.278221	3.014938
8471	LOC119615	11.2727	2.707094	0.829811	3.262302	0.001105	0.003468	1.084173	4.379295	3.478657	20.08914	23.53022	15.07469
19110	LDLRAD1	1.43325	2.706708	2.318679	1.167349	0.243069	0.338148	1.084173	0	0	2.232127	4.278221	1.004979
6752	BP1FC	16.72096	2.705682	0.705457	3.835361	0.000125	0.000494	2.168345	5.474118	5.565851	37.94616	32.08666	17.08465
21653	LOC103230	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21654	LOC103231	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21655	FANCD2OS	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21657	LOC119615	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21658	LOC119620	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21659	LOC119621	0.803385	2.704818	3.455698	0.782713	0.433796	0.532477	0.542086	0	0	0	4.278221	0
21641	LOC119621	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21642	LOC103228	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21643	LOC119620	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21644	LOC103241	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21645	LOC119615	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21646	LOC103230	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21648	LOC119620	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21651	LOC103241	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
21652	LOC103241	0.804272	2.704777	3.454358	0.783004	0.433625	0.532418	0	0.547412	0	0	4.278221	0
7026	BEST3	16.1648	2.704473	0.726039	3.72497	0.000195	0.000739	3.794605	2.737059	6.261582	40.17829	29.94755	14.06971
21582	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21583	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21584	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21585	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21586	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21587	LOC119618	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21588	RPL10L	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21589	LOC119615	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21590	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21591	TAS2R38	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21592	CRX	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21593	LOC119621	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21594	LOC103231	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21595	PVALEF	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
21596	LOC103241	0.828992	2.703626	3.417933	0.791012	0.428937	0.528028	0	0	0.695731	0	4.278221	0
9073	FAM9B	11.08489	2.701286	0.87415	3.090186	0.002	0.005861	3.794605	2.737059	2.087194	15.62489	34.22577	8.039836
7812	POU3F2	22.38762	2.700789	0.779963	3.462713	0.000535	0.00182	1.084173	4.379295	12.52316	44.64254	55.61688	16.07967
12630	TMCC1	5.412128	2.700546	1.187068	2.274972	0.022908	0.048218	0.542086	1.642235	2.087194	15.62489	8.556443	4.019918
18810	LOC103231	17.32823	2.700248	2.221128	1.21571	0.224095	0.316724	0	0	13.91463	26.78552	49.19955	14.06971
16718	TMEM252	2.309638	2.699903	1.754209	1.5391	0.12378	0.196835	0.542086	0.547412	0.695731	8.928508	2.139111	1.004979
16836	TRIM67	20.57643	2.699241	1.777581	1.518491	0.128891	0.203526	0	0.547412	16.00182	26.78552	62.03421	18.08963
6278	LOC103211	24.54344	2.69894	0.668397	4.03793	5.39E-05	0.000228	2.168345	7.663765	9.740239	42.41041	64.17332	21.10457
16889	SERPINA9	2.242492	2.698537	1.788963	1.508437	0.131443	0.206892	0	1.094824	0.695731	2.232127	6.417332	3.014938
19132	LOC103211	1.435025	2.697717	2.317665	1.16398	0.244432	0.339617	0	1.094824	0	2.232127	4.278221	1.004979
19133	HIPK4	1.435025	2.697717	2.317665	1.16398	0.244432	0.339617	0	1.094824	0	2.232127	4.278221	1.004979
19134	LOC119621	1.435025	2.697717	2.317665	1.16398	0.244432	0.339617	0	1.094824	0	2.232127	4.278221	1.004979
19765	CUNH5orf4	1.419523	2.697711	2.548654	1.058485	0.289835	0.389843	0	1.094824	0	0	6.417332	1.004979
15289	LOC119621	3.714545	2.697162	1.513939	1.781552	0.074822	0.130103	0	2.189647	0.695731	6.696381	10.69555	2.009959
4641	LOC119621	38.89728	2.696512	0.547673	4.923584	8.50E-07	4.87E-06	8.131296	8.211177	14.61036	75.89232	98.39909	28.13943
18576	LOC103221	1.667464	2.695108	2.176112	1.238497	0.215532	0.308427	0	0	1.391463	4.464254	2.139111	2.009959
18578	NANOS2	1.667464	2.695108	2.176112	1.238497	0.215532	0.308427	0	0	1.391463	4.464254	2.139111	2.009959
321	LOC119621	737.8293	2.694573	0.159379	16.90675	4.01E-64	3.32E-62	169.673	244.6931	177.4115	1316.955	1227.85	1290.394
5872	LOC119621	42.85329	2.69426	0.637104	4.228914	2.35E-05	0.000106	2.710432	8.211177	23.65487	84.82083	100.5382	37.18424
14872	HDGFL1	4.57879	2.693913	1.448961	1.859204	0.062998	0.112615	1.084173	1.094824	1.391463	8.928508	14.97377	0
20174	DUSP29	1.719995	2.693292	2.691937	1.000503	0.317067	0.417753	0	0	1.391463	8.928508	0	0
14722	ASB15	3.946984	2.691258	1.427711	1.885016	0.059428	0.107317	0	1.094824	2.087194	8.928508	8.556443	3.014938
5172	LOC119621	27.96089	2.690727	0.58576	4.593568	4.36E-06	2.24E-05	7.589209	4.926706	9.740239	62.49956	59.8951	23.11453
3444	LDHD	48.2036	2.690192	0.455375	5.907641	3.47E-09	2.68E-08	14.09425	6.568942	18.78475	73.66019	70.59065	105.5228
17279	LOC119621	2.474931	2.690039	1.850754	1.453483	0.14609	0.22477	0	0	2.087194	4.464254	4.278221	4.019918
7195	CTCFL	15.05057	2.689572	0.733129	3.66862	0.000244	0.000901	3.794605	3.284471	4.87012	26.78552	38.50399	13.06473
12341	LOC103221	7.018469	2.689125	1.151144	2.336046	0.019489	0.041981	0	2.189647	3.478657	11.16063	19.252	6.029877



15397	LOC103234	3.423197	2.687053	1.526794	1.759931	0.07842	0.135402	2.168345	0.547412	0	2.232127	8.556443	7.034856
14219	LOC11962	6.647703	2.686153	1.361095	1.973524	0.048436	0.09056	0	0.547412	4.87012	8.928508	23.53022	2.009959
7901	GRIN1	24.74759	2.685742	0.781057	3.4386	0.000585	0.001967	1.084173	4.379295	14.61036	53.57105	57.75599	17.08465
6892	LOC10324	24.79255	2.685176	0.710634	3.778565	0.000158	0.000608	4.878777	9.853413	4.87012	37.94616	79.14709	12.05975
14758	PNPLA5	4.648502	2.684838	1.428065	1.880053	0.060101	0.108273	0.542086	0.547412	2.782925	0	14.97377	9.044815
11206	LOC103234	9.348648	2.684756	1.039986	2.581532	0.009836	0.023336	1.626259	0.547412	5.565851	4.464254	27.80844	16.07967
7767	MLPH	16.10253	2.684663	0.773025	3.47293	0.000515	0.001762	3.794605	2.189647	6.957314	24.5534	47.06043	12.05975
13879	FCRLA	4.482156	2.684514	1.32009	2.033584	0.041994	0.080438	0	1.642235	2.087194	6.696381	6.417332	10.04979
474	ZBTB7C	284.0414	2.683409	0.180579	14.86	5.99E-50	3.36E-48	68.30288	83.2066	78.61764	470.9788	485.5781	517.5644
18688	LOC11962	1.651962	2.683299	2.180672	1.230492	0.218513	0.3108	0	0	1.391463	2.232127	4.278221	2.009959
18689	LOC10323	1.651962	2.683299	2.180672	1.230492	0.218513	0.3108	0	0	1.391463	2.232127	4.278221	2.009959
18690	LOC10323	1.651962	2.683299	2.180672	1.230492	0.218513	0.3108	0	0	1.391463	2.232127	4.278221	2.009959
18691	LOC11961	1.651962	2.683299	2.180672	1.230492	0.218513	0.3108	0	0	1.391463	2.232127	4.278221	2.009959
10084	LOC10323	14.26938	2.683209	0.94438	2.841238	0.004494	0.011849	0	3.284471	8.348776	24.5534	36.36488	13.06473
16164	KCNG2	3.106737	2.682859	1.641965	1.633932	0.102273	0.168209	1.084173	0	1.391463	4.464254	10.69555	1.004979
772	NRN1	172.9064	2.682743	0.217991	12.30666	8.34E-35	2.87E-33	41.19856	49.26706	49.39693	299.105	308.0319	290.4391
17383	POU3F4	2.511959	2.682405	1.872887	1.43223	0.152078	0.232583	0	0	2.087194	6.696381	4.278221	2.009959
6649	LOC10322	16.04854	2.682194	0.691454	3.879065	0.000105	0.000419	5.96295	3.284471	3.478657	31.24978	34.22577	18.08963
10524	LOC10322	10.58119	2.681719	0.979183	2.738732	0.006168	0.015579	1.626259	3.284471	3.478657	17.85702	34.22577	3.014938
14794	CYP3A7	3.709055	2.681636	1.430697	1.874357	0.060881	0.109404	1.626259	0	1.391463	8.928508	4.278221	6.029877
14980	LOC10322	3.915979	2.681432	1.458746	1.838177	0.066036	0.117195	0	1.094824	2.087194	4.464254	12.83466	3.014938
11025	GATA1	18.33226	2.681146	1.021709	2.624179	0.008686	0.020944	0	1.094824	13.91463	42.41041	38.50399	14.06971
546	KLF9	474.0977	2.681088	0.189564	14.14342	2.05E-45	9.98E-44	114.9223	156.0124	113.4042	805.7978	686.6545	967.7952
19521	LOC11962	38.61932	2.680721	2.442088	1.097717	0.272328	0.370875	0	0	31.30791	66.96381	96.25998	37.18424
19491	LOC10324	1.704492	2.680628	2.432665	1.101931	0.270492	0.368922	0	0	1.391463	6.696381	2.139111	0
18988	LOC11961	2.115646	2.680301	2.258242	1.186897	0.235268	0.329398	1.626259	0	0	8.928508	2.139111	0
4882	LOC11962	29.33446	2.679681	0.563987	4.75132	2.02E-06	1.10E-05	3.794605	8.758589	11.1317	60.26743	59.8951	32.15934
12564	NRK	10.84263	2.679524	1.169941	2.290306	0.022004	0.046555	0	0.547412	8.348776	22.32127	27.80844	6.029877
11197	TNNT3	9.467529	2.678084	1.03695	2.582655	0.009804	0.023276	0.542086	1.642235	5.565851	8.928508	32.08666	8.039836
18101	LOC10324	2.248515	2.677896	2.0279	1.320526	0.186659	0.274147	0	1.094824	0.695731	0	10.69555	1.004979
13638	KCNK17	4.338388	2.677553	1.286443	2.081361	0.037401	0.072907	0.542086	2.189647	0.695731	11.16063	6.417332	5.024897
1586	TREM1	100.1955	2.676638	0.297156	9.007526	2.11E-19	3.53E-18	23.30971	34.48694	23.65487	171.8738	151.8769	195.971
16555	CEACAM7	3.356454	2.676069	1.710368	1.564616	0.117673	0.188955	0	0	2.782925	8.928508	6.417332	2.009959
10354	TEX35	11.04182	2.67535	0.963883	2.775597	0.00551	0.014148	0.542086	2.189647	6.261582	24.5534	25.66933	7.034856
4037	LOC11962	903.9871	2.673665	0.500209	5.345091	9.04E-08	5.95E-07	160.4576	193.2364	381.2608	1732.131	2017.181	939.6558
8298	CCDC187	14.38414	2.673546	0.806918	3.313282	0.000922	0.002954	1.084173	4.379295	6.261582	17.85702	40.6431	16.07967
7110	GAB3	17.45727	2.672932	0.723747	3.693186	0.000221	0.000828	6.505036	3.831883	3.478657	44.64254	34.22577	12.05975
16602	LOC11962	3.266895	2.672862	1.716985	1.556719	0.119537	0.191416	0	0	2.782925	2.232127	8.556443	6.029877
7970	CFAP126	12.8275	2.671773	0.781456	3.418967	0.000629	0.002097	1.626259	3.284471	5.565851	29.01765	21.39111	16.07967
16314	LOC10323	30.11974	2.671624	1.666884	1.602765	0.108986	0.177602	0	1.642235	22.95914	75.89232	47.06043	33.16432
18074	LOC11961	2.095009	2.671365	2.010531	1.328686	0.183951	0.270574	1.084173	0.547412	0	8.928508	0	2.009959
19013	LOC10324	2.118309	2.669978	2.257774	1.182571	0.236979	0.331357	0	1.642235	0	8.928508	2.139111	0
10342	CAPN9	8.150725	2.669826	0.960754	2.778886	0.005455	0.014021	1.626259	1.642235	3.478657	6.696381	21.39111	14.06971
16585	LOC11962	3.340951	2.669732	1.711628	1.559762	0.118816	0.190457	0	0	2.782925	6.696381	8.556443	2.009959
10210	LOC10323	7.712249	2.669274	0.948499	2.814208	0.00489	0.012732	2.710432	2.189647	1.391463	8.928508	14.97377	16.07967
9953	PTPRO	11.74936	2.66871	0.928534	2.874111	0.004052	0.010822	1.084173	1.642235	6.957314	13.39276	36.36488	11.05477
10095	DACT2	10.87972	2.668002	0.93955	2.83966	0.004516	0.011893	1.084173	2.189647	5.565851	29.01765	21.39111	6.029877
19465	LOC11962	1.68899	2.667866	2.411135	1.106477	0.26852	0.366722	0	0	1.391463	4.464254	4.278221	0
19466	TAC4	1.68899	2.667866	2.411135	1.106477	0.26852	0.366722	0	0	1.391463	4.464254	4.278221	0
11571	ATP6V1B1	10.50744	2.667597	1.066559	2.501125	0.01238	0.028444	0.542086	0.547412	7.653045	11.16063	32.08666	11.05477
4768	LIMS2	25.14991	2.666826	0.552007	4.83115	1.36E-06	7.57E-06	5.420864	5.474118	9.740239	53.57105	38.50399	38.18922
10027	LOC10322	10.61765	2.666767	0.934003	2.855202	0.004301	0.011403	1.626259	5.474118	1.391463	8.928508	34.22577	12.05975
12046	UNC45B	10.54535	2.665804	1.111769	2.397804	0.016494	0.036401	0	1.094824	7.653045	13.39276	32.08666	9.044815
16076	SLC22A6	4.074362	2.665634	1.613736	1.65184	0.098567	0.162984	0	0	3.478657	2.232127	10.69555	8.039836
16078	LOC10324	4.074362	2.665634	1.613736	1.65184	0.098567	0.162984	0	0	3.478657	2.232127	10.69555	8.039836
15941	PNMA5	29.49569	2.665553	1.588968	1.677537	0.093438	0.155827	0	3.284471	20.87194	53.57105	79.14709	20.09959
56	HMOX1	5517.724	2.664793	0.092911	28.68125	6.54E-181	3.10E-178	1507.542	1462.137	1542.436	9263.327	9056.995	10273.91
14702	LOC10322	3.783998	2.663413	1.408902	1.890418	0.058702	0.106149	1.084173	0.547412	1.391463	13.39276	4.278221	2.009959
1580	PRODH2	132.7006	2.663261	0.294785	9.034582	1.65E-19	2.77E-18	42.82482	21.89647	44.52681	216.5163	218.1893	252.2498
11054	CD6	12.85641	2.662691	1.01833	2.614763	0.008929	0.021474	1.626259	0	0.044508	22.32127	32.08666	12.05975
6060	KMO	19.91193	2.662019	0.642812	4.141211	3.45E-05	0.000152	5.96295	3.284471	6.957314	51.33892	27.80844	24.11951
8221	PGC	12.82227	2.66188	0.796761	3.340876	0.000835	0.002701	2.710432	2.189647	5.565851	22.32127	32.08666	12.05975
375	SLC16A2	478.005	2.661652	0.165311	16.10088	2.51E-58	1.78E-56	110.5856	143.4219	138.4505	850.4404	733.715	891.4168
10950	TOPAZ1	8.860137	2.661643	1.00849	2.639237	0.008309	0.020174	0.542086	3.831883	2.782925	11.16063	27.80844	7.034856
1261	COL14A1	131.7609	2.661297	0.266905	9.970951	2.04E-23	4.31E-22	29.27266	35.58177	43.13534	212.0521	269.5279	200.9959
16981	PVALB	2.260302	2.660571	1.779041	1.495508	0.134782	0.211011	0.542086	0	1.391463	4.464254	2.139111	5.024897
19445	KDF1	1.636459	2.660238	2.396093	1.11024	0.266896	0.364803	0	0	1.391463	0	6.417332	2.009959
19446	LOC10323	1.636459	2.660238	2.396093	1.11024	0.266896	0.364803	0	0	1.391463	0	6.417332	2.009959
19448	LOC11961	1.636459	2.660238	2.396093	1.11024	0.266896	0.364803	0	0	1.391463	0	6.417332	2.009959
17294	KCNB2	4.206971	2.660155	1.834783	1.449847	0.147101	0.22613	0	0	3.478657	8.928508	12.83466	0
10793	LOC11962	13.64501	2.660152	0.995557	2.672023	0.00754	0.018572	0	1.642235	9.740239	22.32127	32.08666	16.07967
11536	CCDC162P	8.088811	2.658999	1.060861	2.506453	0.012195	0.028103	1.084173	3.284471	2.087194	13.39276	25.66933	3.014938



6228	LOC103221	20.18639	2.656381	0.653622	4.064097	4.82E-05	0.000206	7.589209	3.831883	4.87012	31.24978	53.47777	20.09959
12578	ADGRE1	10.68461	2.656274	1.160691	2.288528	0.022107	0.046725	0	0.547412	8.348776	26.78552	21.39111	7.034856
9755	LOC103245	9.964361	2.655768	0.910871	2.915635	0.00355	0.009674	1.084173	1.642235	5.565851	22.32127	17.11289	12.05975
19599	LOC119625	1.673487	2.654905	2.443642	1.086454	0.277278	0.376052	0	0	1.391463	2.232127	6.417332	0
19600	LOC119627	1.673487	2.654905	2.443642	1.086454	0.277278	0.376052	0	0	1.391463	2.232127	6.417332	0
19603	TSPAN16	1.673487	2.654905	2.443642	1.086454	0.277278	0.376052	0	0	1.391463	2.232127	6.417332	0
19604	LOC119627	1.673487	2.654905	2.443642	1.086454	0.277278	0.376052	0	0	1.391463	2.232127	6.417332	0
17002	DCD	3.309946	2.654706	1.77973	1.491634	0.135795	0.212322	0	0	2.782925	2.232127	12.83466	2.009959
17003	LOC103237	3.309946	2.654706	1.77973	1.491634	0.135795	0.212322	0	0	2.782925	2.232127	12.83466	2.009959
11249	CD4	13.65706	2.65445	1.032671	2.570471	0.010156	0.024002	0	1.642235	9.740239	17.85702	40.6431	12.05975
17639	LINC02881	3.251393	2.652799	1.895514	1.399514	0.161659	0.243648	0	0	2.782925	0	10.69555	6.029877
57	FXDY2	17919.14	2.652678	0.092567	28.65682	1.32E-180	6.15E-178	4539.973	5333.433	4878.468	31586.83	29778.56	31397.57
2967	PCDH12	60.32286	2.652627	0.410066	6.468777	9.88E-11	8.85E-10	13.01007	12.59047	24.3506	80.35657	141.1813	90.44815
12660	LOC103226	8.026057	2.652362	1.169433	2.268075	0.023325	0.04898	0.542086	0.547412	5.565851	26.78552	10.69555	4.019918
12994	KRT20	6.581505	2.65059	1.202523	2.20419	0.027511	0.056286	0	3.284471	2.087194	6.696381	21.39111	6.029877
13099	SPEM3	8.986143	2.650493	1.211137	2.188012	0.028669	0.058184	0	0.547412	6.957314	17.85702	23.53022	5.024897
11356	FSIP2	10.61314	2.649969	1.040707	2.546317	0.010887	0.02548	0.542086	6.02153	2.087194	4.464254	38.50399	12.05975
4448	LOC119625	35.83744	2.649834	0.525333	5.044107	4.56E-07	2.72E-06	9.757555	6.02153	13.91463	37.94616	94.12087	53.26391
18777	TAS1R2	2.502479	2.649175	2.167873	1.222016	0.221702	0.313891	0	0	2.087194	2.232127	10.69555	0
17380	LOC119618	2.079506	2.648916	1.848963	1.43265	0.151958	0.23244	1.084173	0.547412	0	6.696381	2.139111	2.009959
11161	TTC9B	10.36064	2.648616	1.022704	2.589816	0.009603	0.022873	3.794605	1.094824	3.478657	37.94616	12.83466	3.014938
7303	ANKRD35	18.49152	2.646484	0.728266	3.633952	0.000279	0.001016	5.96295	2.189647	6.957314	35.71403	47.06043	13.06473
17387	LOC119618	2.080393	2.646005	1.848803	1.431199	0.152373	0.232981	0.542086	1.094824	0	6.696381	2.139111	2.009959
4084	PDK4	33.91817	2.645268	0.498296	5.308624	0.10E-07	7.19E-07	10.84173	12.04306	4.87012	46.87467	70.59065	58.28881
15930	LOC103217	3.126322	2.644792	1.574645	1.679612	0.093033	0.155259	0.542086	0	2.087194	6.696381	6.417332	3.014938
14704	LOC119626	4.800696	2.644691	1.399486	1.889758	0.05879	0.106294	0	0.547412	3.478657	8.928508	12.83466	3.014938
18033	CCDC152	2.065778	2.643691	1.977136	1.337132	0.18118	0.267102	0	1.642235	0	4.464254	4.278221	2.009959
12641	UCP3	6.073623	2.643391	1.163328	2.272266	0.02307	0.048519	0.542086	1.642235	2.782925	15.62489	12.83466	3.014938
12949	LOC103237	4.973389	2.642615	1.193801	2.213615	0.026855	0.055135	1.626259	1.642235	0.695731	11.16063	10.69555	4.019918
14414	LOC119618	3.465195	2.642411	1.361381	1.940978	0.052261	0.096389	1.084173	1.094824	0.695731	4.464254	6.417332	7.034856
5121	KLK14	39.2224	2.641434	0.571942	4.618358	3.87E-06	2.01E-05	5.420864	7.663765	19.48048	69.19594	98.39909	35.17428
14589	PAD13	3.466083	2.640494	1.383232	1.90893	0.056271	0.102541	0.542086	1.642235	0.695731	4.464254	6.417332	7.034856
7679	GPR179	29.71825	2.640326	0.754683	3.49859	0.000468	0.001619	1.084173	4.379295	19.48048	40.17829	77.00798	36.17926
20339	LOC119627	1.657984	2.639678	2.718884	0.970868	0.331614	0.433451	0	0	1.391463	0	8.556443	0
13151	NPFFR1	5.227353	2.639474	1.210384	2.18069	0.029206	0.059041	1.626259	0.547412	2.087194	13.39276	10.69555	3.014938
12969	LOC119627	6.14847	2.639005	1.194471	2.209351	0.02715	0.055655	0.542086	0.547412	4.174388	4.464254	17.11289	10.04979
12175	LOC103247	6.430471	2.638594	1.112841	2.371044	0.017738	0.038732	3.252518	0.547412	1.391463	13.39276	14.97377	5.024897
11748	LOC119618	6.810229	2.637798	1.072719	2.458983	0.013933	0.03153	0.542086	1.094824	4.174388	11.16063	12.83466	11.05477
3259	NEURL3	40.4228	2.637371	0.433254	6.08735	1.15E-09	9.36E-09	13.01007	10.94824	9.740239	53.57105	74.86887	80.39836
16030	LOC119626	3.111707	2.636126	1.587393	1.660664	0.096781	0.160507	0	0.547412	2.087194	4.464254	8.556443	3.014938
18148	LOC103237	2.050276	2.636102	2.007949	1.312833	0.189239	0.277216	0	1.642235	0	2.232127	6.417332	2.009959
197	PTX3	982.6591	2.635463	0.12936	20.3731	2.90E-92	3.91E-90	269.959	295.6024	252.5505	1589.274	1619.307	1869.262
2396	ZNF630	64.95356	2.635415	0.362126	7.277618	3.40E-13	3.77E-12	16.26259	15.32753	22.2634	133.9276	115.512	86.42823
11877	LOC119627	15.48248	2.633629	1.083135	2.431487	0.015037	0.03366	0	0.547412	12.52316	37.94616	27.80844	14.06971
1311	SYCE3	127.0575	2.632806	0.268213	9.816113	9.60E-23	1.95E-21	40.11439	30.65506	35.4823	236.6055	173.268	246.22
13768	PLK5	4.382858	2.631536	1.281564	2.053379	0.040036	0.077306	1.626259	0.547412	1.391463	11.16063	8.556443	3.014938
17445	CD3E	2.0485	2.63123	1.854073	1.419162	0.155852	0.237508	1.084173	0.547412	0	2.232127	6.417332	2.009959
6961	HPN	16.77093	2.630133	0.70082	3.752939	0.000175	0.000667	3.252518	3.284471	7.653045	40.17829	17.11289	29.1444
13240	CAPNS2	5.198123	2.629973	1.218318	2.158693	0.030874	0.061993	0.542086	1.642235	2.087194	8.928508	14.97377	3.014938
13614	IRX6	4.315712	2.629056	1.259855	2.086793	0.036907	0.072071	1.084173	1.094824	1.391463	4.464254	12.83466	5.024897
1927	LOC103220	86.02828	2.628814	0.322866	8.142117	3.88E-16	5.36E-15	21.68345	19.70683	30.61218	131.6955	181.8244	130.6473
16280	IGSF21	3.096204	2.628644	1.631166	1.611512	0.107068	0.17483	0	0.547412	2.087194	2.232127	10.69555	3.014938
16281	LOC103247	3.096204	2.628644	1.631166	1.611512	0.107068	0.17483	0	0.547412	2.087194	2.232127	10.69555	3.014938
17458	ERVFRD-1	2.049388	2.62831	1.853911	1.417711	0.156275	0.237975	0.542086	1.094824	0	2.232127	6.417332	2.009959
10756	MYLK3	8.884502	2.628127	0.983163	2.673141	0.007514	0.018521	2.710432	0.547412	4.174388	11.16063	25.66933	9.044815
10555	LOC119628	8.140821	2.627529	0.961397	2.733033	0.006275	0.015806	1.626259	1.642235	3.478657	20.08914	14.97377	7.034856
12328	CX3CR1	6.038902	2.627468	1.12334	2.338978	0.019337	0.041699	1.084173	0.547412	3.478657	13.39276	10.69555	7.034856
18593	LOC119624	1.437332	2.627337	2.125681	1.235998	0.216459	0.309452	0.542086	0	0.695731	2.232127	2.139111	3.014938
18594	LOC119620	1.437332	2.627337	2.125681	1.235998	0.216459	0.309452	0.542086	0	0.695731	2.232127	2.139111	3.014938
7839	ADRA1A	18.63495	2.627331	0.760287	3.45571	0.000549	0.001861	3.252518	3.831883	8.348776	42.41041	44.92132	9.044815
17180	LOC103214	2.267212	2.627292	1.786306	1.470796	0.141346	0.218725	0	0.547412	1.391463	2.232127	6.417332	3.014938
4835	LOC119627	26.8699	2.626065	0.547962	4.792422	1.65E-06	9.06E-06	4.336691	7.116354	11.1317	49.10679	51.33866	38.18922
6949	LOC103217	20.58106	2.625918	0.698919	3.757114	0.000172	0.000658	2.710432	6.02153	8.348776	35.71403	55.61688	15.07469
5808	LOC103230	24.30406	2.623847	0.614511	4.26981	1.96E-05	8.96E-05	6.505036	6.02153	7.653045	26.78552	72.72976	26.12947
18825	PNMA8B	13.23679	2.623827	2.160393	1.214514	0.224552	0.317116	0	0	11.1317	35.71403	23.53022	9.044815
15017	LOC119627	3.756187	2.623262	1.43305	1.830545	0.067168	0.11891	1.084173	0	2.087194	8.928508	6.417332	4.019918
18607	LOC103236	1.43822	2.623231	2.125245	1.234319	0.217084	0.309867	0	0.547412	0.695731	2.232127	2.139111	3.014938
11887	LOC103220	13.6359	2.622834	1.080025	2.428493	0.015162	0.033909	0	0.547412	11.1317	20.08914	29.94755	20.09959
8738	ECEL1	14.38382	2.622155	0.821414	3.192244	0.001412	0.004295	1.084173	2.737059	8.348776	31.24978	27.80844	15.07469
17331	CNGA2	2.319743	2.621534	1.816064	1.443525	0.148873	0.228351	0	0.547412	1.391463	6.696381	4.278221	1.004979
12231	APCDD1L	12.02699	2.621372	1.110629	2.36026	0.018262	0.039694	0	0.547412	9.740239	17.85702	29.94755	14.06971
5123	XDH	24.51465											



14382	POU4F3	5.384941	2.61751	1.343696	1.947993	0.051416	0.095042	0	1.094824	3.478657	4.464254	19.252	4.019918
4289	NEURL1	53.538	2.617178	0.506919	5.162906	2.43E-07	1.51E-06	9.757555	7.663765	27.82925	93.74933	121.9293	60.29877
17287	LOC103235	2.981501	2.616789	1.803227	1.45117	0.146732	0.225654	0	1.094824	1.391463	13.39276	0	2.009959
158	NCAM1	7270.473	2.615837	0.120577	21.69432	2.32E-104	3.91E-102	1904.892	2395.474	1817.946	12182.95	11869.93	13451.65
15168	FGF8	3.576279	2.615504	1.451395	1.802062	0.071536	0.125377	1.084173	1.094824	0.695731	11.16063	6.417332	1.004979
16443	LIPM	3.512493	2.615376	1.653787	1.581447	0.113776	0.183953	2.168345	0	0.695731	2.232127	14.97377	1.004979
13293	SLC45A2	6.0467	2.614286	1.216254	2.149457	0.031598	0.063194	0	1.642235	3.478657	11.16063	14.97377	5.024897
11780	LOC119618	6.602509	2.613816	1.065492	2.453155	0.014161	0.031958	0.542086	1.642235	3.478657	8.928508	14.97377	10.04979
18403	LOC119621	112.5302	2.613798	2.067723	1.264095	0.206196	0.297871	0	1.642235	93.228	220.9806	258.8324	100.4979
17361	GZMH	2.30424	2.613018	1.818136	1.437196	0.150662	0.23071	0	0.547412	1.391463	4.464254	6.417332	1.004979
14803	PTCRA	5.369439	2.612784	1.395669	1.872066	0.061197	0.109906	0	1.094824	3.478657	2.232127	21.39111	4.019918
19363	LOC103235	1.490751	2.611825	2.320634	1.125479	0.260386	0.357505	0	0.547412	0.695731	6.696381	0	1.004979
13575	LOC103235	4.33441	2.61137	1.247603	2.093109	0.036339	0.071166	1.084173	0.547412	2.087194	6.696381	8.556443	7.034856
9035	LOC119621	14.12446	2.609808	0.840793	3.103982	0.001909	0.005618	0.542086	3.831883	7.653045	24.5534	32.08666	16.07967
10890	LOC103228	7.801912	2.609297	0.983762	2.652366	0.007993	0.019511	2.710432	0.547412	3.478657	11.16063	12.83466	16.07967
1073	LOC103246	138.3107	2.608988	0.24526	10.63764	1.99E-26	4.93E-25	41.74065	38.31883	36.17803	229.9091	271.6671	212.0507
45	SPP1	367641.3	2.608866	0.085298	30.58516	1.93E-205	1.14E-202	103929.3	97032.03	109711.3	640645	646009.3	608521.1
12168	LOC119621	9.380478	2.607051	1.098999	2.372206	0.017682	0.038633	0.542086	0.547412	6.957314	13.39276	27.80844	7.034856
6669	TRIM29	16.31784	2.606875	0.673866	3.868537	0.000109	0.000436	3.252518	4.926706	5.565851	24.5534	38.50399	21.10457
6639	UBQLNL	25.72834	2.60678	0.671346	3.882917	0.000103	0.000413	5.96295	3.284471	12.52316	33.4819	77.00798	22.10955
8781	POU5F1	20.86953	2.605644	0.819597	3.179176	0.001477	0.004472	1.626259	1.642235	14.61036	40.17829	47.06043	20.09959
7273	NWD1	22.24501	2.605512	0.715371	3.642185	0.00027	0.000988	2.710432	4.926706	11.1317	53.57105	47.06043	14.06971
8018	LOC103235	20.64114	2.605109	0.764665	3.406862	0.000657	0.002179	5.420864	2.189647	9.740239	55.80317	40.6431	10.04979
17577	LOC103235	2.288737	2.605067	1.855301	1.404121	0.160283	0.242412	0	0.547412	1.391463	2.232127	8.556443	1.004979
17578	LOC119621	2.288737	2.605067	1.855301	1.404121	0.160283	0.242412	0	0.547412	1.391463	2.232127	8.556443	1.004979
13686	LOC119619	5.389347	2.604006	1.256764	2.071994	0.038266	0.074332	0.542086	3.284471	0.695731	15.62489	2.139111	10.04979
12995	LOC119621	6.500904	2.603807	1.181344	2.204106	0.027517	0.056294	1.626259	1.642235	2.087194	13.39276	19.252	1.004979
19282	APCDD1	1.422717	2.603469	2.285619	1.139065	0.254676	0.351134	0	0.547412	0.695731	0	4.278221	3.014938
4822	ZNF385D	51.20206	2.603332	0.542634	4.797579	1.61E-06	8.85E-06	8.131296	17.51718	17.39328	78.12444	151.8769	34.1693
9722	PTGIR	11.67033	2.603303	0.890208	2.924377	0.003451	0.009438	2.710432	2.189647	4.87012	17.85702	36.36488	6.029877
7939	AURKC	16.3211	2.600657	0.758788	3.427381	0.000609	0.002041	5.96295	5.474118	2.087194	51.33892	14.97377	18.08963
3665	KLHL30	34.35481	2.600175	0.457495	5.683509	1.32E-08	9.57E-08	9.757555	10.94824	8.348776	51.33892	68.45154	57.28383
15602	LOC103246	5.638906	2.600058	1.503822	1.728967	0.083815	0.142816	0	0	4.87012	6.696381	19.252	3.014938
5781	GAP43	37.34009	2.599979	0.606894	4.284071	1.84E-05	8.44E-05	5.96295	4.379295	21.56767	73.66019	81.28621	37.18424
17900	LOC103235	2.687051	2.599343	1.909666	1.361151	0.173466	0.257617	0	2.189647	0	2.232127	10.69555	1.004979
899	PSTPIP1	252.9777	2.599308	0.22644	11.479	1.68E-30	4.97E-29	80.77087	50.36189	84.1835	486.6037	397.8746	418.0715
9378	CABP4	12.49561	2.598764	0.862572	3.012806	0.002588	0.007338	3.252518	1.094824	6.261582	20.08914	34.22577	10.04979
16529	LOC119621	2.663751	2.598513	1.654813	1.570276	0.116351	0.187137	1.084173	1.094824	0	2.232127	8.556443	3.014938
10768	CTNNA2	10.41468	2.598148	0.971044	2.675625	0.007459	0.018415	1.084173	2.189647	5.565851	13.39276	34.22577	6.029877
1446	MMP3	119.4473	2.597821	0.276966	3.979562	6.62E-21	1.22E-19	29.81475	29.56024	43.13534	171.8738	218.1893	224.1104
13929	LOC103228	5.153922	2.597126	1.281987	2.02586	0.042779	0.081649	1.084173	0.547412	2.782925	2.232127	19.252	5.024897
106	PXYLP1	2171.774	2.597013	0.108033	24.03902	1.09E-127	2.73E-125	626.6518	656.8942	564.9339	3555.778	3638.627	3987.759
12781	LOC119618	5.666777	2.596469	1.157589	2.242997	0.024897	0.051787	1.084173	2.189647	1.391463	15.62489	10.69555	3.014938
8989	TDO2	9.713389	2.5963	0.831988	3.120598	0.001805	0.005338	2.168345	3.284471	2.782925	17.85702	17.11289	15.07469
17091	USP26	3.369447	2.595375	1.749457	1.483531	0.137933	0.214555	0.542086	2.189647	0	8.928508	8.556443	0
254	STING1	523.1641	2.595197	0.141776	18.30487	7.57E-75	7.92E-73	155.5788	144.5167	146.1036	910.7078	836.3923	945.6857
16290	LOC119621	2.882462	2.594092	1.612572	1.608667	0.107689	0.175747	0	1.094824	1.391463	2.232127	8.556443	4.019918
18873	KLRC2	1.475248	2.593493	2.147034	1.207942	0.22707	0.319856	0	0.547412	0.695731	4.464254	2.139111	1.004979
8569	MYO7B	18.05516	2.592631	0.800925	3.237047	0.001208	0.003747	1.084173	2.737059	11.82743	26.78552	42.78221	23.11453
11577	LOC103235	6.207084	2.592066	1.036843	2.49996	0.012421	0.028523	1.626259	2.189647	1.391463	11.16063	12.83466	8.039836
14792	RHO	4.108881	2.590434	1.381936	1.874497	0.060862	0.109385	0.542086	2.189647	0.695731	2.232127	14.97377	4.019918
16285	OPN4	3.980922	2.590429	1.608539	1.610423	0.107305	0.175174	0	0	3.478657	6.696381	10.69555	3.014938
11991	OVOL2	8.305851	2.590302	1.075578	2.408288	0.016028	0.035534	1.084173	0.547412	5.565851	8.928508	25.66933	8.039836
16240	LOC119621	2.934993	2.590298	1.60031	1.618623	0.105528	0.172761	0	1.094824	1.391463	6.696381	6.417332	2.009959
17616	LOC103246	3.219963	2.589942	1.848235	1.401305	0.161123	0.24309	0	0	2.782925	13.39276	2.139111	1.004979
16573	LOC119621	2.866072	2.588862	1.65732	1.562077	0.11827	0.189718	0.542086	0.547412	1.391463	0	10.69555	4.019918
9796	LOC103246	9.161827	2.588526	0.890964	2.905308	0.003669	0.009957	2.710432	2.189647	2.782925	17.85702	21.39111	8.039836
7349	MAB21L2	26.96972	2.585473	0.714966	3.616216	0.000299	0.001081	4.336691	1.642235	17.39328	62.49956	42.78221	33.16432
8219	EPHA8	15.9793	2.584522	0.773527	3.341217	0.000834	0.002698	7.047123	2.189647	4.174388	46.87467	23.53022	12.05975
11299	LOC119621	8.175646	2.584508	1.00987	2.559248	0.01049	0.024681	1.084173	1.094824	4.87012	17.85702	17.11289	7.034856
13152	LOC119618	5.039219	2.582764	1.184606	2.180272	0.029237	0.059099	1.084173	1.094824	2.087194	13.39276	8.556443	4.019918
7277	GIMAP6	15.68038	2.582556	0.709383	3.640567	0.000272	0.000994	3.252518	3.831883	6.261582	35.71403	29.94755	15.07469
14984	CUNH8orf	4.363733	2.582039	1.405507	1.837087	0.066197	0.117449	0	1.642235	2.087194	4.464254	14.97377	3.014938
9426	PDE6B	18.03788	2.581935	0.860247	3.001389	0.002688	0.00758	1.084173	1.642235	13.2189	17.85702	34.22577	40.19918
15783	LOC119624	3.347035	2.581679	1.514311	1.704854	0.088222	0.148601	1.084173	1.642235	0	8.928508	6.417332	2.009959
12280	LOC119621	8.424475	2.581655	1.098926	2.349252	0.018811	0.040721	0.542086	0.547412	6.261582	22.32127	12.83466	8.039836
12655	LOC103246	6.096628	2.579473	1.136544	2.269576	0.023233	0.048807	2.710432	1.642235	0.695731	20.08914	6.417332	5.024897
26586	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26596	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26597	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26604	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26607	LOC119621	0.372021	2.5										



26627	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26628	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26633	UBE2U	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26667	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26671	LOC119611	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26675	LOC119611	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26689	LOC119611	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26699	IL13	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26702	MINAR2	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26704	LOC119611	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26708	FTMT	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26709	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26713	LOC119611	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26717	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26718	LOC119611	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26721	LOC103211	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26722	LOC103211	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26726	LOC119611	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26739	LOC119611	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26741	LOC119611	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26776	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26778	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26783	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26792	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26801	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26805	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26814	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26825	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26828	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26840	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26851	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26854	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26855	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26859	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26862	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26863	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26869	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26878	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26883	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26884	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26889	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26898	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26902	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26908	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26913	LOC103221	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26915	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26917	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26918	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26919	LOC103221	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26922	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26932	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26934	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26935	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26942	CUNH1orf1	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26945	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26948	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26963	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26968	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26970	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26975	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26977	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26982	LOC103211	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
26984	LOC103211	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
26995	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27005	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27008	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27010	TRNAK-CU	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27022	ODF3	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27027	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27029	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27052	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27059	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27064	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27066	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0



27068	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27073	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27076	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27079	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27084	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27096	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27104	ASCL3	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27110	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27116	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27117	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27130	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27133	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27160	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27161	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27170	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27174	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27176	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27182	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27190	TAAR3	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27197	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27202	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27209	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27221	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27222	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27232	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27250	TEX44	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27260	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27262	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27299	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27310	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27326	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27330	MEI4	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27334	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27337	CGA	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27343	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27350	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27355	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27362	TRNAC-GC	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27365	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27366	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27371	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27382	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27385	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27387	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27397	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27405	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27413	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27425	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27432	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27436	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27448	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27453	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27467	SULT1C3	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27468	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27473	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27483	LOC103221	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27490	EFCAB10	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27491	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27492	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27505	LOC119624	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27509	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27517	NPY	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27519	LOC119624	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27520	LINC02860	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27537	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27539	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27542	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27572	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27575	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27576	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27578	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27586	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27587	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27588	LOC103241	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0



27595	LOC10324:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27604	LOC10324:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27611	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27621	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27623	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27627	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27657	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27665	LOC10322:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27678	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27685	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27686	LOC10322:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27687	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27692	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27719	LOC10322:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27729	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27730	LOC10322:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27736	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27773	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27777	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27778	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27785	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27827	LOC10321:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27833	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27835	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27843	TRNAG-GC	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27851	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27855	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27858	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27859	CCL17	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27861	LOC10323:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27863	LOC10323:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27898	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27910	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27912	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27940	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27941	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27943	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27950	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27955	NPS	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27966	LOC10324:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27967	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
27979	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27980	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
27983	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28003	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28006	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28009	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28016	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28031	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28048	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28055	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28058	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28059	LOC10324:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28100	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28104	DEFB121	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28105	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28108	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28122	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28124	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28128	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28129	LOC10323:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28130	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28132	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28139	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28146	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28147	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28165	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28166	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28168	LOC10321:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28169	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28177	DEFB135	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28178	DEFB134	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28180	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28184	LOC11961:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0



28185	LOC103211	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28187	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28190	LOC119618	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28194	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28196	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28221	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28245	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28260	TFF2	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28263	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28273	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28280	LOC103225	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28291	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28345	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28351	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28356	DEFA4	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28357	LOC103211	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28364	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28367	TRNAT-UG	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28369	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28371	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28375	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28380	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28386	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28387	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28389	ATP6V1G3	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28393	RG521	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28395	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28412	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28413	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28416	LOC119615	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28431	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28432	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28435	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28442	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28458	LOC119615	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28465	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28469	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28470	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28479	SERPINE3	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28507	LOC103214	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28511	TRNAE-UU	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28512	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28515	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28527	LOC103241	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28531	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28536	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28547	LOC103244	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28554	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28557	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28565	RNASE8	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28566	RNASE6	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28570	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28571	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28572	LOC103231	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28588	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28590	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28592	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28597	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28601	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28602	LOC103244	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28625	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28626	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28632	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28645	LOC103211	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28646	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28647	CCR8	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28669	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28675	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28682	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28683	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28721	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28735	LOC119621	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28747	LOC119621	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28749	LOC103231	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0



28752	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28777	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28782	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28785	LPAR4	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28801	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28806	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28816	TRNAR-UC	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28822	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28823	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28836	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28846	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28849	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28860	LOC10321:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28872	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28878	KRTAP25-1	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28879	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28887	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28889	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28894	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28910	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28915	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28924	LOC10322:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28928	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28932	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28948	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28950	PTH2	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28970	ACTL9	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
28974	CCL18	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
28997	GPR82	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29016	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29023	LOC10324:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29024	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29029	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29034	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29037	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29040	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29049	KRTAP4-2	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29056	LOC10324:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29059	KRTAP3-1	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29061	KRTAP3-3	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29062	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29063	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29083	DEFB129	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29089	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29092	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29096	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29097	LOC10324:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29115	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29119	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29125	LOC10324:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29129	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29133	LOC10324:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29139	CATSPERD	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29145	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29153	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29157	ODAM	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29161	CSN2	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29162	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29170	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29171	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29178	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29187	CLECL1	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29202	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29225	LOC10323:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29226	LOC10323:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29232	LOC10322:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29246	LOC10324:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29247	LOC11961:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29248	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29294	LOC11962:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29306	LOC11962:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29321	LOC10323:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29329	LOC10323:	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29331	LOC10322:	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0



29380	LOC103233	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29392	LOC103233	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29424	LOC119623	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29470	LOC103223	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29484	LOC103243	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29496	LOC103233	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29497	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29499	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29501	LOC103223	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29513	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29519	LOC119623	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29531	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29534	LOC103233	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29535	LOC103243	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29547	LOC103243	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29550	LOC103243	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29551	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29561	LOC103223	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29563	LOC103223	0.356518	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	0	2.139111	0
29575	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
29587	LOC119623	0.372021	2.579362	4.067274	0.634175	0.525967	NA	0	0	0	2.232127	0	0
12521	LOC103213	9.223349	2.578648	1.122386	2.297471	0.021592	0.045845	0	1.094824	6.957314	17.85702	21.39111	8.039836
15260	LOC103233	4.632312	2.578044	1.443518	1.785945	0.074108	0.129106	0.542086	0	3.478657	8.928508	12.83466	2.009959
17538	LOC119613	2.05347	2.577828	1.827905	1.410264	0.158462	0.240205	0	1.094824	0.695731	2.232127	4.278221	4.019918
5176	SLA	26.75829	2.576635	0.561177	4.591485	4.40E-06	2.26E-05	6.505036	6.568942	9.740239	60.26743	51.33866	26.12947
11238	CYP3A43	7.061684	2.576317	1.001337	2.572876	0.010086	0.023858	1.084173	2.189647	2.782925	11.16063	17.11289	8.039836
19493	GUCA2A	1.443355	2.575915	2.338107	1.10171	0.270588	0.369034	0.542086	0	0.695731	0	6.417332	1.004979
15170	TAS2R14	4.579782	2.57557	1.429231	1.802067	0.071535	0.125377	0.542086	0	3.478657	4.464254	14.97377	4.019918
12686	PTCHD4	6.721923	2.575488	1.138374	2.262427	0.023671	0.049605	1.084173	0.547412	4.174388	13.39276	17.11289	4.019918
9483	MYOCD	31.14158	2.575335	0.861719	2.988603	0.002803	0.007857	1.626259	1.094824	24.3506	75.89232	57.75599	26.12947
9578	TRPM8	13.54346	2.574835	0.868111	2.96602	0.003017	0.008374	1.084173	4.926706	5.565851	17.85702	42.78221	9.044815
16142	LOC119623	3.316917	2.574113	1.570383	1.639163	0.101179	0.166637	0.542086	2.189647	0	4.464254	10.69555	2.009959
17441	TAS2R60	2.888485	2.573945	1.813242	1.419526	0.155746	0.2374	0	1.094824	1.391463	0	12.83466	2.009959
4057	TNIP3	31.0137	2.573331	0.48305	5.327251	9.97E-08	6.53E-07	11.38381	8.211177	6.957314	55.80317	53.47777	50.24897
6335	LOC119623	23.60657	2.573063	0.641522	4.010874	6.05E-05	0.000254	5.96295	2.189647	12.52316	35.71403	47.06043	38.18922
13763	SCNN1D	5.046129	2.571885	1.25188	2.054419	0.039935	0.07714	0.542086	1.642235	2.087194	11.16063	12.83466	2.009959
10398	LOC103223	15.19396	2.571832	0.929536	2.766792	0.005661	0.014474	1.084173	1.094824	11.1317	17.85702	44.92132	15.07469
15375	LOC103223	4.617697	2.571789	1.457479	1.764547	0.07764	0.134248	0	0.547412	3.478657	6.696381	14.97377	2.009959
16018	LOC103243	2.698838	2.57124	1.546853	1.662239	0.096465	0.160105	0.542086	1.094824	0.695731	6.696381	2.139111	5.024897
14830	CCDC170	3.548468	2.570969	1.377287	1.866691	0.061945	0.111045	1.084173	0.547412	1.391463	6.696381	8.556443	3.014938
15354	LOC103233	5.901842	2.569268	1.452976	1.76828	0.077014	0.13333	2.168345	2.737059	0	13.39276	17.11289	0
1403	FCHO1	121.9959	2.569141	0.269831	9.521299	1.71E-21	3.24E-20	42.82482	27.37059	35.4823	220.9806	188.2417	217.0756
13448	LOC119613	5.857678	2.566971	1.212093	2.1178	0.034192	0.067593	0	1.642235	3.478657	11.16063	12.83466	6.029877
623	RASAL1	434.0818	2.5662	0.19222	13.35033	1.18E-40	5.03E-39	138.7741	97.98671	141.2335	676.3345	673.8199	876.3421
8945	SCN4A	14.70341	2.563781	0.818275	3.133152	0.001729	0.00514	1.626259	2.189647	9.044508	33.4819	27.80844	14.06971
16071	ID4	3.571769	2.563563	1.551193	1.652639	0.098404	0.162762	0	1.642235	1.391463	6.696381	10.69555	1.004979
15083	CAMK1G	6.272854	2.56346	1.409133	1.819175	0.068885	0.121415	0	0	5.565851	8.928508	17.11289	6.029877
15824	ARHGEF38	3.804208	2.563104	1.512273	1.694868	0.0901	0.151373	0	0.547412	2.782925	8.928508	8.556443	2.009959
17460	LOC119623	3.157952	2.563025	1.80859	1.417139	0.156442	0.238203	0	0	2.782925	4.464254	10.69555	1.004979
14681	CELA1	5.269088	2.561718	1.353592	1.892533	0.05842	0.10579	0.542086	0.547412	3.478657	8.928508	17.11289	1.004979
5580	LOC103243	24.48255	2.560885	0.584514	4.381223	1.18E-05	5.62E-05	7.047123	8.211177	5.565851	58.0353	44.92132	23.11453
10144	A2ML1	10.95776	2.560714	0.905805	2.827005	0.004699	0.012314	1.626259	1.642235	6.261582	26.78552	21.39111	8.039836
13956	TNFRSF4	4.973492	2.56014	1.267188	2.020331	0.043349	0.082576	1.626259	0	2.782925	6.696381	10.69555	8.039836
17564	ADH6	2.090498	2.559754	1.821809	1.405062	0.160003	0.242168	0	1.094824	0.695731	4.464254	4.278221	2.009959
12575	LOC119613	5.621523	2.559213	1.11811	2.288874	0.022087	0.046694	0.542086	1.642235	2.782925	11.16063	8.556443	9.044815
15400	LOC103223	4.130938	2.558459	1.454084	1.759499	0.078493	0.135493	2.168345	0	1.391463	2.232127	14.97377	4.019918
17087	LOC119623	2.089611	2.55827	1.724391	1.483579	0.137921	0.214548	0.542086	0.547412	0.695731	4.464254	4.278221	2.009959
17088	MAGEB17	2.089611	2.55827	1.724391	1.483579	0.137921	0.214548	0.542086	0.547412	0.695731	4.464254	4.278221	2.009959
17089	LOC119623	2.089611	2.55827	1.724391	1.483579	0.137921	0.214548	0.542086	0.547412	0.695731	4.464254	4.278221	2.009959
292	ARMCX1	602.3857	2.558193	0.145241	17.61349	1.94E-69	1.77E-67	162.0838	200.9001	161.4097	991.0644	1039.608	1059.248
6057	PRKCG	26.89545	2.557956	0.617593	4.141814	3.45E-05	0.000151	3.794605	7.663765	11.82743	62.49956	53.47777	22.10955
7796	CYP2A23	17.78408	2.555948	0.737393	3.466193	0.000528	0.0018	4.336691	2.737059	8.348776	29.01765	49.19955	13.06473
10944	LOC119623	8.177481	2.555811	0.968009	2.640275	0.008284	0.020123	1.084173	3.831883	2.087194	22.32127	10.69555	9.044815
9210	LOC103223	11.23551	2.555187	0.836868	3.053275	0.002264	0.006533	1.626259	3.284471	4.87012	15.62489	29.94755	12.05975
1701	SPEF1	88.05976	2.555006	0.292702	8.729048	2.57E-18	4.01E-17	26.02015	24.08612	26.43779	167.4095	149.7377	134.6672
14080	NEUROD2	9.350727	2.554748	1.278611	1.998065	0.04571	0.086316	0	0	8.348776	11.16063	23.53022	13.06473
2739	FLRT1	50.89351	2.554483	0.375995	6.79393	1.09E-11	1.06E-10	14.09425	14.23271	16.00182	98.21359	83.42532	79.39338
11586	COPZ2	9.116314	2.553814	1.022329	2.498035	0.012488	0.028656	3.794605	0.547412	3.478657	29.01765	12.83466	5.024897
16061	LOC103223	3.773202	2.551969	1.542003	1.65497	0.09793	0.1621	0	0.547412	2.782925	4.464254	12.83466	2.009959
14225	LOC103233	5.065714	2.551893	1.294248	1.971718	0.048642	0.090906	0	1.642235	2.782925	13.39276	8.556443	4.019918
18007	LOC119623	2.126639	2.550991	1.901737	1.3414	0.179791	0.265421	0.542086	0.547412	0.695731	6.696381	4.278221	0
13875	LOC119623	5.175508	2.550231	1.25314	2.035072	0.041844	0.080174	2.168345	2.189647	0	6.696381	14.97377	5.024897
177	NR1H4	1122.935	2.549439	0.121778	20.93509	2.57E-97	3.85E-95	295.9792	364.5763	322.1236	1886.147	1974.399	1894.386
7024	LOC119623	14.92514	2.549238	0.68423	3.725703	0.000195	0.000737	4.878777	3.284471	4.87012	22.32127	32.08666	22.10955



13529	HSPB9	5.048436	2.548983	1.212693	2.101918	0.03556	0.069878	1.084173	0.547412	2.782925	11.16063	10.69555	4.019918
11048	LOC103232	7.550976	2.548577	0.974217	2.616026	0.008896	0.021407	2.168345	2.189647	2.087194	17.85702	14.97377	6.029877
18212	GKN1	2.344463	2.547531	1.960847	1.299199	0.193876	0.28301	0	0	2.087194	6.696381	4.278221	1.004979
17972	LOC119626	2.058605	2.546605	1.888933	1.348172	0.177603	0.262719	0.542086	0.547412	0.695731	0	8.556443	2.009959
14824	LOC119623	4.162666	2.546049	1.363186	1.86772	0.061801	0.110833	0	1.642235	2.087194	8.928508	4.278221	8.039836
1004	LRRC6	217.0524	2.545637	0.232011	10.97207	5.21E-28	1.38E-26	59.6295	80.46954	49.39693	339.2833	427.8221	345.7129
11567	CFAP47	10.03239	2.544956	1.017262	2.501771	0.012357	0.028402	0	3.284471	5.565851	15.62489	25.66933	10.04979
6377	LOC119625	19.08613	2.544888	0.637722	3.990593	6.59E-05	0.000275	5.420864	5.474118	5.565851	46.87467	32.08666	19.09461
111	FOLR1	2682.028	2.544842	0.106386	23.92084	1.86E-126	4.45E-124	736.6954	878.0485	738.8667	4602.646	4504.967	4630.945
12508	LOC103222	7.362781	2.543326	1.105792	2.300003	0.021448	0.045587	0.542086	1.094824	4.87012	13.39276	19.252	5.024897
15188	LOC103217	3.351117	2.541912	1.413813	1.797913	0.072191	0.126367	0.542086	1.642235	0.695731	8.928508	4.278221	4.019918
19140	CALML3	13.35103	2.541039	2.185527	1.162666	0.244965	0.34025	0	0	11.82743	8.928508	34.22577	25.12449
9670	LOC119627	12.94204	2.540049	0.864263	2.938978	0.003293	0.009053	2.168345	1.642235	7.653045	15.62489	38.50399	12.05975
14745	FCN2	5.177589	2.539733	1.349649	1.881773	0.059867	0.107939	0	0.547412	4.174388	4.464254	12.83466	9.044815
11709	TMEM1321	16.82265	2.538552	1.027901	2.469648	0.013525	0.030707	0	1.094824	13.91463	33.4819	36.36488	16.07967
18251	LMOD2	2.32896	2.538491	1.96341	1.292899	0.196046	0.285536	0	0	2.087194	4.464254	6.417332	1.004979
18252	SOWAHD	2.32896	2.538491	1.96341	1.292899	0.196046	0.285536	0	0	2.087194	4.464254	6.417332	1.004979
18253	LOC119622	2.32896	2.538491	1.96341	1.292899	0.196046	0.285536	0	0	2.087194	4.464254	6.417332	1.004979
14664	ALOX12	5.251645	2.537455	1.338857	1.89524	0.058061	0.105261	0	0.547412	4.174388	8.928508	12.83466	5.024897
6322	LOC119625	12.10686	2.537156	0.631809	4.015705	5.93E-05	0.000249	5.96295	4.379295	9.044508	31.24978	59.8951	22.10955
10528	CACNA1F	24.06214	2.536422	0.926222	2.738461	0.006173	0.015587	0	3.284471	18.08902	53.57105	51.33866	18.08963
17011	SPO11	2.742777	2.53634	1.701467	1.490679	0.136046	0.212602	0	1.642235	0.695731	6.696381	6.417332	1.004979
17012	LOC103215	2.742777	2.53634	1.701467	1.490679	0.136046	0.212602	0	1.642235	0.695731	6.696381	6.417332	1.004979
14991	LOC119620	3.334726	2.536257	1.381647	1.835677	0.066406	0.117763	1.084173	1.094824	0.695731	6.696381	6.417332	4.019918
15060	LOC119620	4.985538	2.536132	1.391304	1.822845	0.068327	0.120616	1.626259	0	2.782925	2.232127	19.252	4.019918
16251	CUNH14or	2.689358	2.535714	1.568234	1.616924	0.105895	0.173233	0.542086	1.094824	0.695731	2.232127	8.556443	3.014938
15226	LOC119626	3.318336	2.534484	1.415159	1.790954	0.073301	0.127985	1.626259	0.547412	0.695731	4.464254	8.556443	4.019918
6936	ADGRE2	18.43006	2.533553	0.673386	3.762405	0.000168	0.000645	2.168345	7.116354	6.957314	42.41041	27.80844	24.11951
21110	CA3	1.298534	2.532755	2.932304	0.863742	0.387729	0.488289	0	1.094824	0	6.696381	0	0
15095	LOC103217	3.319224	2.531574	1.393364	1.816879	0.069236	0.121935	1.084173	1.094824	0.695731	4.464254	8.556443	4.019918
92	SUSD6	2471.681	2.531474	0.102198	24.77018	1.88E-135	5.43E-133	758.9209	701.2345	728.4307	4138.363	3961.633	4541.502
12454	LOC103247	7.156273	2.531233	1.095781	2.309981	0.020889	0.044591	1.084173	4.379295	0.695731	22.32127	6.417332	8.039836
3358	TSHZ2	58.40203	2.529429	0.422928	5.98076	2.22E-09	1.76E-08	13.55216	13.13788	25.04633	89.28508	139.0422	70.34856
8998	IL2RB	16.49081	2.528787	0.811378	3.116657	0.001829	0.005404	1.084173	3.831883	9.740239	42.41041	27.80844	14.06971
19918	TRNAT-UG	1.208088	2.528251	2.420964	1.044316	0.296339	0.395525	0.542086	0.547412	0	0	2.139111	4.019918
14223	LCK	9.235761	2.527093	1.28085	1.972981	0.048498	0.09065	0	0	8.348776	15.62489	21.39111	10.04979
9026	ZNF83	19.98585	2.526804	0.813022	3.107915	0.001884	0.005549	2.168345	4.379295	11.1317	29.01765	64.17332	9.044815
12502	ICAM1	6.093538	2.526406	1.098123	2.300658	0.021411	0.04553	2.710432	0.547412	2.087194	15.62489	8.556443	7.034856
16638	LOC103222	3.822905	2.526232	1.628521	1.551243	0.120843	0.19309	0	0	3.478657	11.16063	4.278221	4.019918
16397	DRGX	4.568361	2.525737	1.590006	1.588507	0.112172	0.18186	0	0	4.174388	2.232127	14.97377	6.029877
803	GPR15	198.494	2.52547	0.209203	12.07189	1.49E-33	4.92E-32	66.13454	60.2153	49.39693	328.1227	344.3968	342.698
6920	LOC103232	20.25644	2.525445	0.670393	3.767112	0.000165	0.000634	3.252518	4.379295	10.43597	29.01765	51.33866	23.11453
17731	NKAIN3	2.981238	2.525268	1.8308	1.379325	0.167795	0.251583	0	0.547412	2.087194	6.696381	8.556443	0
14686	LOC119626	3.935362	2.525206	1.334817	1.8918	0.058518	0.10593	0.542086	2.189647	0.695731	4.464254	10.69555	5.024897
1639	LOC103227	117.2959	2.524881	0.284373	8.878763	6.76E-19	1.10E-17	35.7777	26.82318	42.43961	60.7131	213.9111	224.1104
14513	NPY4R2	4.002507	2.524816	1.314147	1.921258	0.054699	0.100198	1.084173	1.642235	0.695731	11.16063	6.417332	3.014938
1539	LOC119627	109.8086	2.524601	0.276501	9.130516	6.82E-20	1.18E-18	28.73058	32.2973	36.17803	191.9629	213.9111	155.7718
9444	LOC103225	20.6601	2.524413	0.841919	2.998402	0.002714	0.00764	5.96295	0.547412	11.82743	37.94616	55.61688	12.05975
11672	CUNH19or	11.94382	2.524216	1.019106	2.476892	0.013253	0.030186	0.542086	0.547412	9.740239	20.08914	25.66933	15.07469
13093	SDS	8.905541	2.523968	1.153301	2.188473	0.028635	0.058143	1.084173	0	6.957314	26.78552	8.556443	10.04979
13407	LOC119625	5.20688	2.523785	1.187154	2.125912	0.033511	0.066449	2.168345	1.094824	1.391463	13.39276	2.139111	11.05477
16941	SPP2	2.92782	2.523549	1.681565	1.500715	0.133429	0.209387	0.542086	0	2.087194	2.232127	10.69555	2.009959
14730	LOC119627	5.909946	2.522792	1.339413	1.883505	0.059632	0.107625	0	1.094824	4.174388	8.928508	19.252	2.009959
17098	CCL5	2.469594	2.5222	1.702133	1.481788	0.138397	0.215188	0.542086	1.642235	0	4.464254	2.139111	6.029877
14038	TLX1	6.751613	2.522018	1.256751	2.006777	0.044773	0.084789	0	0.547412	5.565851	13.39276	14.97377	6.029877
20347	LOC119627	1.261506	2.521797	2.600591	0.969702	0.332195	0.43404	0	1.094824	0	4.464254	0	2.009959
13807	BHMT	5.037016	2.521718	1.232372	2.046232	0.040734	0.078431	0.542086	0.547412	3.478657	8.928508	10.69555	6.029877
9290	CUNH14or	11.6431	2.520954	0.830755	3.034533	0.002409	0.006896	2.710432	6.02153	1.391463	17.85702	27.80844	14.06971
13363	HEPHL1	7.844368	2.520428	1.181039	2.134076	0.032837	0.065327	0.542086	2.189647	4.174388	15.62489	23.53022	1.004979
9366	SKAP1	12.5895	2.520045	0.835903	3.014758	0.002572	0.0073	1.626259	3.284471	6.261582	20.08914	34.22577	10.04979
9234	DHRS9	10.21378	2.519947	0.827168	3.046475	0.002315	0.006666	2.168345	2.189647	4.87012	17.85702	17.11289	17.08465
20511	LOC119626	1.297647	2.519869	2.668181	0.944414	0.344958	0.447112	0.542086	0.547412	0	6.696381	0	0
12345	LOC103235	11.98775	2.51919	1.078779	2.335225	0.019532	0.042062	0	1.094824	9.740239	20.08914	29.94755	11.05477
16006	LOC103224	3.083069	2.518676	1.514085	1.663497	0.096213	0.159804	1.626259	1.094824	0	4.464254	4.278221	7.034856
15561	LOC103222	4.333094	2.518533	1.452134	1.734367	0.082853	0.141549	0	0.547412	3.478657	2.232127	10.69555	9.044815
8741	NUP210L	13.63655	2.518393	0.789325	3.190564	0.00142	0.004319	3.794605	3.284471	4.87012	22.32127	38.50399	9.044815
11194	DPEP2	9.716686	2.518314	0.974868	2.583236	0.009788	0.023245	3.252518	1.094824	4.174388	20.08914	25.66933	4.019918
18097	SLC4A1	29.40512	2.517731	1.903685	1.322557	0.185983	0.273214	0	0.547412	25.74206	46.87467	79.14709	24.11951
20452	LOC103235	1.208975	2.517205	2.638876	0.953893	0.340138	0.442136	0	1.094824	0	0	2.139111	4.019918
16581	LOC103232	3.754872	2.51709	1.61317	1.560337	0.11868	0.190285	0	0	3.478657	4.464254	8.556443	6.029877
8028	LOC103246	22.74875	2.516138	0.739188	3.403922	0.000664	0.0022	3.252518	3.831883	13.2189	37.94616	64.17332	14.06971
18956	TRNAC-GC	1.9284	2.515505	2									



7588	TPRG1	19.43498	2.513651	0.71212	3.529813	0.000416	0.001457	3.794605	4.379295	9.044508	42.41041	44.92132	12.05975
14665	HAAO	4.226354	2.513492	1.326586	1.894706	0.058131	0.105381	0.542086	1.094824	2.087194	8.928508	10.69555	2.009959
15092	LOC119626	3.939609	2.513426	1.382611	1.817884	0.069082	0.12169	1.626259	1.094824	0.695731	2.232127	14.97377	3.014938
15387	LOC103228	4.211739	2.511968	1.425007	1.762776	0.077938	0.134658	0	1.642235	2.087194	6.696381	12.83466	2.009959
5899	SLC51A	25.32803	2.511358	0.596191	4.212338	2.53E-05	0.000114	7.047123	8.211177	6.957314	64.73168	44.92132	20.09959
12250	LOC103224	6.66583	2.51118	1.06586	2.356014	0.018472	0.040088	0.542086	3.284471	2.087194	8.928508	17.11289	8.039836
17076	LOC119624	2.776089	2.510844	1.691392	1.484484	0.137681	0.214347	0.542086	0.547412	1.391463	11.16063	0	3.014938
2976	MAP2K6	54.34334	2.510343	0.388846	6.455882	1.08E-10	9.61E-10	13.55216	13.13788	22.2634	82.5887	109.0946	85.42325
12915	LOC119623	5.415224	2.510209	1.131341	2.21879	0.026501	0.054578	1.626259	0.547412	2.782925	8.928508	8.556443	10.04979
12540	LOC103215	6.431616	2.510084	1.09367	2.295103	0.021727	0.046062	1.626259	3.284471	0.695731	6.696381	19.252	7.034856
7873	PPP1R14A	13.35435	2.509975	0.728048	3.447542	0.000566	0.00191	2.710432	3.831883	5.565851	26.78552	17.11289	24.11951
19861	LOC119625	1.244228	2.509476	2.397402	1.046748	0.295216	0.395012	1.084173	0	0	2.232127	2.139111	2.009959
19457	LOC103228	2.182364	2.50935	2.263155	1.108784	0.267523	0.365529	0.542086	0	1.391463	11.16063	0	0
14337	EDAR	4.773571	2.509266	1.283681	1.954743	0.050613	0.093852	0.542086	1.642235	2.087194	2.232127	17.11289	5.024897
20152	CLEC2A	1.441415	2.507991	2.499234	1.003504	0.315618	0.416371	0	0	1.391463	2.232127	0	5.024897
11410	NOX3	8.903197	2.507478	0.989575	2.533893	0.01128	0.026283	3.252518	1.094824	3.478657	22.32127	19.252	4.019918
13896	LOC119619	8.257603	2.50634	1.234361	2.030475	0.042308	0.080942	0	0.547412	6.957314	15.62489	21.39111	5.024897
14746	POU3F1	5.043926	2.505932	1.331831	1.881569	0.059895	0.107982	0	1.094824	3.478657	6.696381	14.97377	4.019918
19476	LOC119618	1.46294	2.505868	2.269039	1.104374	0.269431	0.367739	0	0	1.391463	2.232127	2.139111	3.014938
19477	LOC119620	1.46294	2.505868	2.269039	1.104374	0.269431	0.367739	0	0	1.391463	2.232127	2.139111	3.014938
15985	CUNH10or	4.281677	2.505863	1.502168	1.668164	0.095283	0.158461	2.168345	1.642235	0	0	12.83466	9.044815
11941	RAB25	6.70197	2.505816	1.036996	2.416419	0.015674	0.034896	1.084173	2.737059	2.087194	11.16063	17.11289	6.029877
4681	LOC103233	26.74097	2.505593	0.51175	4.896123	9.77E-07	5.55E-06	7.589209	8.211177	8.348776	35.71403	51.33866	49.24399
17826	LRRRC3C	2.07819	2.504993	1.824871	1.372696	0.169847	0.253303	0	0.547412	1.391463	2.232127	4.278221	4.019918
20064	CDH7	1.478443	2.504979	2.458807	1.018778	0.308308	0.408512	0	0	1.391463	4.464254	0	3.014938
3328	LOC119625	44.48795	2.504697	0.416146	6.018791	1.76E-09	1.40E-08	9.215468	14.78012	16.00182	82.5887	77.00798	67.33362
14428	LOC103233	5.907118	2.50468	1.291872	1.938799	0.052526	0.096784	0	0.547412	4.87012	11.16063	12.83466	6.029877
16753	CEMP1	3.796563	2.504314	1.634099	1.532535	0.12539	0.198988	0	3.284471	0	8.928508	8.556443	2.009959
15737	SPIC	4.412285	2.504097	1.462805	1.711846	0.086925	0.146845	0.542086	0	3.478657	4.464254	14.97377	3.014938
8841	DUOX2	21.60906	2.503601	0.792539	3.158962	0.001583	0.004761	2.710432	2.189647	14.61036	46.87467	49.19955	14.06971
18449	LOC119624	2.041162	2.503304	1.991642	1.256905	0.208788	0.300847	0	0.547412	1.391463	0	4.278221	6.029877
5780	DLX3	25.34012	2.501296	0.583803	4.284488	1.83E-05	8.42E-05	4.878777	4.926706	13.2189	44.64254	49.19955	35.17428
14663	LOC103218	5.606645	2.50091	1.319437	1.895437	0.058035	0.105221	0	1.642235	3.478657	2.232127	19.252	7.034856
17938	SFRP2	2.529035	2.50017	1.84739	1.353353	0.175943	0.260756	0	2.189647	0	6.696381	4.278221	2.009959
17177	LOC103215	2.473841	2.499915	1.699283	1.471159	0.141248	0.218611	1.626259	0.547412	0	2.232127	6.417332	4.019918
5141	LOC119621	27.64185	2.499064	0.542413	4.607313	4.08E-06	2.11E-05	5.420864	7.663765	11.82743	46.87467	59.8951	34.1693
1511	HAVCR2	120.3803	2.498936	0.270862	9.225848	2.81E-20	4.95E-19	41.19856	35.58177	31.30791	174.1059	248.1368	191.9511
14490	LOC119620	5.605096	2.498468	1.296713	1.92677	0.054008	0.09909	3.794605	1.094824	0	4.464254	19.252	5.024897
13766	SP9	6.443806	2.498414	1.216624	2.053563	0.040018	0.077283	0.542086	1.094824	4.174388	24.5534	4.278221	4.019918
10833	ACOT4	10.99343	2.49834	0.937888	2.663795	0.007726	0.018961	3.252518	1.642235	4.87012	20.08914	32.08666	4.019918
414	S100A1	16712.71	2.497829	0.160863	15.52769	2.25E-54	1.45E-52	4010.355	6648.864	4422.069	29731.93	29532.56	25930.48
16196	CD53	3.41109	2.49746	1.534474	1.627567	0.103617	0.170082	1.626259	0	1.391463	11.16063	4.278221	2.009959
20540	LOC103224	1.283031	2.496624	2.649045	0.942462	0.345956	0.447515	0	1.094824	0	4.464254	2.139111	0
20562	ARHGDI8	1.283031	2.496624	2.649045	0.942462	0.345956	0.447515	0	1.094824	0	4.464254	2.139111	0
20567	LOC103234	1.283031	2.496624	2.649045	0.942462	0.345956	0.447515	0	1.094824	0	4.464254	2.139111	0
10889	BARHL2	16.13334	2.495819	0.940948	2.652452	0.007991	0.01951	0.542086	1.642235	12.52316	37.94616	32.08666	12.05975
18095	LOC119623	1.860366	2.495583	1.88677	1.322675	0.185944	0.273186	0.542086	1.094824	0	2.232127	4.278221	3.014938
11230	DAND5	9.770471	2.495216	0.969157	2.574625	0.010035	0.023756	2.710432	0.547412	5.565851	26.78552	14.97377	8.039836
6392	LOC119621	25.83836	2.493377	0.62615	3.982074	6.83E-05	0.000284	3.794605	7.663765	11.82743	40.17829	68.45154	23.11453
10372	ITGB7	11.38733	2.492893	0.899719	2.770746	0.005593	0.014335	0.542086	5.474118	4.174388	24.5534	32.08666	10.04979
10721	LOC103230	12.06161	2.492672	0.927799	2.686651	0.007217	0.017897	1.084173	2.189647	7.653045	22.32127	32.08666	7.034856
9352	ANO1	12.28578	2.492433	0.825736	3.018437	0.002541	0.007223	1.626259	3.831883	5.565851	31.24978	21.39111	10.04979
5643	LOC119620	25.54188	2.490842	0.572629	4.349834	1.36E-05	6.42E-05	5.420864	6.568942	11.1317	37.94616	62.03421	30.14938
20469	LOC119623	1.230501	2.490553	2.618749	0.951047	0.341581	0.443642	0	1.094824	0	0	4.278221	2.009959
8383	ACVRL1	19.78924	2.49043	0.757398	3.28814	0.001009	0.003198	1.626259	3.284471	13.2189	35.71403	29.74221	22.10955
8443	IPCEF1	14.47528	2.490165	0.76138	3.270595	0.001073	0.003379	1.626259	5.474118	6.261582	13.39276	29.94755	30.14938
7841	LOC119627	20.1444	2.489676	0.720471	3.455623	0.000549	0.001861	3.252518	3.284471	11.82743	26.78552	55.61688	20.09959
11813	RNF212B	6.499128	2.488854	1.017528	2.44598	0.014446	0.03251	2.168345	1.642235	2.087194	15.62489	6.417332	11.05477
6409	ENDOU	24.76341	2.488803	0.626131	3.974893	7.04E-05	0.000292	3.794605	4.926706	13.91463	40.17829	55.61688	30.14938
7355	VAX1	24.35058	2.488667	0.688401	3.615142	0.0003	0.001085	2.710432	5.474118	13.91463	53.57105	51.33866	19.09461
17871	LOC119627	3.015438	2.488206	1.821907	1.365715	0.172028	0.25591	0	0	2.782925	11.16063	2.139111	2.009959
12621	LOC103247	6.776558	2.488176	1.092736	2.277015	0.022785	0.047998	2.710432	0.547412	2.782925	15.62489	14.97377	4.019918
18931	FSHR	1.898282	2.488141	2.076392	1.1983	0.2308	0.324098	0	1.642235	0	4.464254	4.278221	1.004979
15976	LOC119622	4.031475	2.48812	1.490609	1.669197	0.095078	0.158219	2.168345	0	1.391463	8.928508	10.69555	1.004979
13182	RAMP2	5.460049	2.487967	1.144592	2.173672	0.02973	0.059958	0.542086	1.642235	2.782925	8.928508	12.83466	6.029877
19598	LOC119624	1.499968	2.486769	2.289008	1.086396	0.277304	0.376052	0	0	1.391463	4.464254	2.139111	1.004979
19601	LOC119627	1.499968	2.486769	2.289008	1.086396	0.277304	0.376052	0	0	1.391463	4.464254	2.139111	1.004979
19602	LOC119619	1.499968	2.486769	2.289008	1.086396	0.277304	0.376052	0	0	1.391463	4.464254	2.139111	1.004979
10932	FAM162B	8.893552	2.485603	0.939983	2.644305	0.008186	0.019907	1.626259	2.189647	4.174388	20.08914	19.252	6.029877
15587	CXCL10	3.328441	2.484127	1.434628	1.731548	0.083354	0.142168	1.084173	0.547412	1.391463	2.232127	10.69555	4.019918
14790	LOC103233	8.2763	2.483431	1.324571	1.874895	0.060807	0.109301	0	0	7.653045	17.85702	17.11289	7.034856
16571	LOC103234	3.164035	2.483002	1.589355	1.56227	0.11							



15230	LOC10324	4.047865	2.482593	1.386672	1.790324	0.073402	0.128128	1.626259	0.547412	1.391463	11.16063	8.556443	1.004979
16170	LOC119618	3.747393	2.482294	1.520532	1.632516	0.102571	0.168636	1.626259	1.642235	0	2.232127	14.97377	2.009959
16436	LOC10322	2.714078	2.481985	1.56775	1.583151	0.113387	0.183402	0.542086	0.547412	1.391463	2.232127	8.556443	3.014938
15443	UPP2	3.997997	2.481715	1.415777	1.7529	0.079619	0.137064	0	2.189647	1.391463	6.696381	10.69555	3.014938
11365	LOC10323	9.08037	2.481582	0.975005	2.545199	0.010922	0.025544	1.084173	1.642235	5.565851	15.62489	23.53022	7.034856
13260	RXFP3	6.366292	2.481181	1.15107	2.155542	0.031119	0.062391	0.542086	1.094824	4.174388	13.39276	14.97377	4.019918
13328	XPNPEP2	7.867147	2.480796	1.157684	2.142895	0.032122	0.064072	0	1.642235	5.565851	17.5702	17.11289	5.024897
221	ITGB2	2000.845	2.480291	0.127862	19.39816	8.00E-84	9.62E-82	670.5608	520.0412	635.8985	3196.406	3238.614	3743.549
19615	TNFRSF13F	22.05287	2.479221	2.288094	1.083531	0.278573	0.377561	0	0	20.17621	37.94616	47.06043	27.13445
18242	LOC11962	1.896507	2.47911	1.915855	1.293997	0.195666	0.285155	1.084173	0.547412	0	4.464254	4.278221	1.004979
89	ZC3H12A	4897.332	2.477505	0.099179	24.98002	1.01E-137	3.01E-135	1458.212	1465.421	1552.177	8263.334	7613.095	9031.75
11412	ADRA1B	8.910474	2.477338	0.97785	2.533454	0.011294	0.026307	2.710432	0.547412	4.87012	22.32127	14.97377	8.039836
20161	LOC10324	1.447437	2.47699	2.472909	1.00165	0.316513	0.417323	0	0	1.391463	0	4.278221	3.014938
20163	LOC11962	1.447437	2.47699	2.472909	1.00165	0.316513	0.417323	0	0	1.391463	0	4.278221	3.014938
8928	PRSS56	12.86773	2.476326	0.789194	3.137791	0.001702	0.005069	3.252518	1.642235	6.957314	29.01765	19.252	17.08465
13401	MEIOB	5.494249	2.475785	1.163821	2.12729	0.033396	0.066251	0.542086	1.094824	3.478657	13.39276	6.417332	8.039836
6741	ZNF154	20.00211	2.475308	0.644448	3.840975	0.000123	0.000483	5.96295	3.831883	8.348776	35.71403	47.06043	19.09461
12988	KLK15	7.736054	2.474149	1.121488	2.206131	0.027375	0.056039	0.542086	1.642235	4.87012	26.78552	8.556443	4.019918
11192	FCRLB	18.18451	2.473246	0.957338	2.583463	0.009781	0.023235	1.626259	0.547412	14.61036	26.78552	53.47777	12.05975
19647	LOC11961	1.484465	2.473195	2.294542	1.07786	0.281096	0.380341	0	0	1.391463	2.232127	4.278221	1.004979
19648	LOC11962	1.484465	2.473195	2.294542	1.07786	0.281096	0.380341	0	0	1.391463	2.232127	4.278221	1.004979
14182	PTAFR	4.863496	2.469817	1.247453	1.979888	0.047716	0.089447	0.542086	0.547412	3.478657	11.16063	6.417332	7.034856
16917	XCL1	4.505926	2.468526	1.641705	1.503635	0.132675	0.208499	0	0	4.174388	11.16063	10.69555	1.004979
17699	LOC11962	2.96893	2.467811	1.782892	1.384162	0.166309	0.249792	0	0	2.782925	4.464254	8.556443	2.009959
17700	LOC10322	2.96893	2.467811	1.782892	1.384162	0.166309	0.249792	0	0	2.782925	4.464254	8.556443	2.009959
20126	LOC11961	1.266641	2.466949	2.446265	1.008455	0.313236	0.413762	0.542086	0.547412	0	2.232127	4.278221	0
12460	LOC11962	12.85473	2.466154	1.068361	2.308352	0.02098	0.044763	2.168345	0	9.740239	13.39276	42.78221	9.044815
6914	NFE2	20.72812	2.46567	0.654114	3.76948	0.000164	0.000629	2.710432	6.568942	9.740239	46.87467	36.36488	22.10955
3854	AEBP1	52.41707	2.465162	0.448608	5.49514	3.90E-08	2.69E-07	13.55216	14.78012	19.48048	84.82083	132.6249	49.24399
9145	FSD2	14.5938	2.464414	0.803352	3.067663	0.002157	0.006272	3.794605	3.831883	5.565851	24.5534	42.78221	7.034856
6396	MUC19	32.03333	2.464304	0.618964	3.981335	6.85E-05	0.000285	3.794605	10.94824	14.61036	46.87467	89.84265	26.12947
839	ADHFE1	197.2438	2.463868	0.208294	11.82877	2.77E-32	8.78E-31	69.38706	55.28859	57.04997	328.1227	320.8666	352.7478
8970	NRROS	11.54862	2.462735	0.788042	3.125131	0.001777	0.005267	3.794605	2.737059	4.174388	26.78552	10.69555	21.10457
14502	NMRK2	11.97476	2.462289	1.279182	1.924893	0.054243	0.099438	0	0	11.1317	29.01765	6.029877	
4674	CLCN1	38.45354	2.461983	0.502272	4.901692	9.50E-07	5.40E-06	8.673382	9.853413	16.69755	75.89232	83.42532	36.17926
18980	SERPINB12	2.121241	2.459808	2.070053	1.188283	0.234722	0.328772	0	0.547412	1.391463	2.232127	8.556443	0
10464	LOC11962	10.08096	2.459465	0.893273	2.753319	0.005899	0.014988	4.336691	3.284471	1.391463	15.62489	27.80844	8.039836
10492	LOC10323	9.960545	2.459448	0.895451	2.746602	0.006022	0.015258	3.252518	1.094824	4.87012	26.78552	10.69555	13.06473
3511	LOC11962	74.63717	2.458919	0.420564	5.846713	5.01E-09	3.80E-08	11.38381	20.80165	36.87376	142.8561	145.4595	90.44815
13582	TSBP1	8.280701	2.458836	1.175189	2.09229	0.036413	0.071273	0	2.737059	4.87012	13.39276	25.66933	3.014938
2364	LOC10322	83.5609	2.457498	0.33559	7.322923	2.43E-13	2.73E-12	21.14137	21.34906	34.78657	138.3919	171.1289	114.5677
14040	LOC11962	4.66631	2.457293	1.224487	2.006793	0.044772	0.084789	1.626259	0.547412	2.087194	11.16063	8.556443	4.019918
10841	FOXN1	9.537604	2.456742	0.922754	2.662401	0.007759	0.019026	1.084173	2.189647	5.565851	20.08914	19.252	9.044815
18838	LOC11962	2.990455	2.456726	2.025413	1.212951	0.225149	0.317739	0	0	2.782925	4.464254	10.69555	0
12928	LOC11962	14.7024	2.454887	1.107671	2.216261	0.026674	0.054851	0	0.547412	13.2189	35.71403	25.66933	13.06473
13764	LOC11962	5.320364	2.454852	1.194938	2.054376	0.039939	0.077142	0.542086	2.189647	2.087194	13.39276	10.69555	3.014938
10666	SIRPB2	11.78622	2.454658	0.909147	2.699958	0.006935	0.017285	1.084173	1.642235	8.348776	15.62489	29.94755	14.06971
20331	CUNH9orf1	1.468962	2.4534	2.52447	0.971848	0.331126	0.432945	0	0	1.391463	0	6.417332	1.004979
20332	LOC11962	1.468962	2.4534	2.52447	0.971848	0.331126	0.432945	0	0	1.391463	0	6.417332	1.004979
8504	MTRNR2L4	13.08587	2.453061	0.753492	3.255592	0.001132	0.003537	3.252518	3.831883	4.87012	24.5534	29.94755	12.05975
1079	ZNF467	157.4989	2.451651	0.230913	1.016723	2.48E-26	6.11E-25	54.20864	42.15071	50.09266	274.5516	239.5804	284.4092
11678	CNTNAP4	19.56678	2.451599	0.990185	2.475899	0.01329	0.030253	0	1.642235	16.69755	46.87467	32.08666	20.09959
504	DRC1	310.4107	2.450057	0.168547	14.53636	7.13E-48	3.76E-46	95.4072	102.9134	89.74935	529.0141	502.691	542.6889
7589	GNAT1	19.5334	2.449964	0.694132	3.529534	0.000416	0.001458	3.794605	2.737059	11.82743	26.78552	44.92132	27.13445
13133	CLCA1	5.887331	2.449727	1.122437	2.182507	0.029072	0.05885	1.626259	1.642235	2.087194	6.696381	19.252	4.019918
15962	LOC10324	3.113812	2.449132	1.464281	1.672583	0.094409	0.157241	1.626259	0.547412	0.695731	2.232127	8.556443	5.024897
6849	SCNN1A	23.71498	2.447506	0.644364	3.79833	0.000146	0.000565	5.96295	4.926706	11.1317	24.5534	70.59065	25.12449
16768	IQCA1L	27.42099	2.447147	1.598899	1.530519	0.125888	0.199609	0	3.284471	22.2634	53.57105	66.31243	19.09461
6421	SSUH2	19.88438	2.445622	0.615635	3.97252	7.11E-05	0.000294	7.047123	4.926706	6.261582	46.87467	32.08666	22.10955
4375	LOC11962	39.39777	2.444486	0.47967	5.096179	3.47E-07	2.11E-06	9.757555	8.211177	18.78475	66.96381	83.42532	49.24399
8413	PLEKHD1	19.6305	2.444016	0.745484	3.278428	0.001044	0.003299	4.336691	2.737059	11.1317	46.87467	40.6431	12.05975
15316	LOC10322	5.16004	2.443842	1.375437	1.776775	0.075605	0.131225	0	3.284471	1.391463	17.85702	6.417332	2.009959
15317	CCR7	5.16004	2.443842	1.375437	1.776775	0.075605	0.131225	0	3.284471	1.391463	17.85702	6.417332	2.009959
6832	LOC11962	20.02527	2.443567	0.642202	3.804983	0.000142	0.000552	7.047123	7.663765	3.478657	37.94616	44.92132	19.09461
5823	APLNR	32.33298	2.442569	0.573194	4.261329	2.03E-05	9.28E-05	4.878777	7.663765	18.08902	33.4819	70.59065	59.29379
15408	LOC10321	4.073473	2.442552	1.388682	1.7589	0.078595	0.135607	1.084173	0.547412	2.087194	11.16063	8.556443	1.004979
230	CNTNAP2	1084.6	2.442467	0.128454	19.01436	1.30E-80	1.50E-78	2948.408	4117.632	3045.912	18189.6	17910.77	18868.49
4869	COL1A2	33.10871	2.442022	0.513061	4.759709	1.94E-06	1.06E-05	7.047123	10.40082	13.2189	55.80317	77.00798	35.17428
385	CEBPD	1328.73	2.441656	0.153261	15.93133	3.84E-57	2.65E-55	364.8241	517.8516	355.5187	2395.072	2124.137	2214.975
5974	KCNN4	60.5526	2.439283	0.584226	4.175239	2.98E-05	0.000132	9.215468	6.568942	41.04815	107.1421	139.0422	60.29877
15802	LOC11962	4.785983	2.43923	1.434083	1.700899	0.088962	0.149668	0.542086	0.547412	3.478657	0	17.11289	7.034856
13253	DPPA2	8.323812	2.439116	1									



11415	IRF7	7.753198	2.436908	0.962119	2.532854	0.011314	0.026349	2.710432	1.094824	3.478657	8.928508	19.252	11.05477
9240	NCAN	14.71111	2.436223	0.800094	3.044922	0.002327	0.006697	2.168345	3.831883	7.653045	33.4819	32.08666	9.044815
235	LRRCE	1657.708	2.43559	0.129003	18.88004	1.66E-79	1.88E-77	583.2849	448.8777	521.1028	2685.249	2637.523	3070.212
11370	LOC119620	8.607798	2.435572	0.957371	2.544021	0.010958	0.025623	2.168345	1.094824	4.87012	8.928508	23.53022	11.05477
2604	PTPN7	92.1675	2.434654	0.348954	6.976996	3.02E-12	3.08E-11	25.47806	17.51718	43.83108	165.1774	158.2942	142.7071
19409	LOC119620	14.79558	2.43439	2.179282	1.117061	0.263968	0.361654	0	0	13.91463	24.5534	34.22577	16.07967
14280	CRYBB3	5.577523	2.432914	1.238043	1.965129	0.049399	0.091938	0.542086	0.547412	4.174388	15.62489	8.556443	4.019918
6249	GNG2	29.40353	2.431456	0.600041	4.05215	5.07E-05	0.000216	5.420864	4.379295	18.08902	60.26743	47.06043	41.20416
17438	LOC119619	2.483946	2.431415	1.712089	1.420145	0.155565	0.237166	1.084173	0.547412	0.695731	0	8.556443	4.019918
15024	LOC119620	4.4027	2.431363	1.32944	1.828863	0.06742	0.1193	0	2.737059	1.391463	6.696381	8.556443	7.034856
13054	LOC103227	5.943056	2.429806	1.106698	2.195546	0.028124	0.057277	1.626259	1.094824	2.782925	11.16063	14.97377	4.019918
12671	TGM3	8.73952	2.429469	1.071978	2.266342	0.02343	0.049159	2.710432	0.547412	4.87012	15.62489	25.66933	3.014938
13330	ACTA2	6.78304	2.429289	1.133897	2.142426	0.032159	0.064138	0.542086	1.642235	4.174388	8.928508	21.39111	4.019918
18696	LOC119620	2.118413	2.427531	1.974868	1.229211	0.218993	0.311399	0	0	2.087194	4.464254	2.139111	4.019918
6779	UNC5CL	18.56814	2.425152	0.634025	3.825012	0.000131	0.000513	6.505036	3.284471	7.653045	33.4819	36.36488	24.11951
20111	LOC103225	1.24831	2.424794	2.398479	1.010972	0.31203	0.412466	0.542086	0	0.695731	2.232127	0	4.019918
11372	NKX2-1	13.06945	2.424484	0.95328	2.543307	0.010981	0.025671	0.542086	2.737059	9.044508	31.24978	27.80844	7.034856
8017	LOC103230	15.00384	2.424425	0.711521	3.407382	0.000656	0.002175	2.710432	3.831883	7.653045	26.78552	29.94755	19.09461
19381	LOC119620	2.133915	2.424106	2.16357	1.120419	0.262535	0.36012	0	0	2.087194	6.696381	0	4.019918
26587	TRNAN-GL	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26605	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26614	LOC103220	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26631	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26634	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26668	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26728	ACTL7A	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26747	LOC119619	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26752	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26761	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26777	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26872	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26875	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26888	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26900	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26924	LOC103220	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26937	SPRR2G	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26972	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
26998	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27002	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27011	LOC103219	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27034	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27035	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27041	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27042	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27072	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27081	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27125	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27195	TRNAE-CU	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27215	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27224	LOC103240	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27255	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27258	LOC103217	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27265	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27288	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27304	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27364	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27386	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27396	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27435	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27454	RTP3	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27461	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27463	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27477	LOC103220	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27508	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27567	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27568	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27571	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27606	LOC103247	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27607	LOC103247	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27629	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27634	LOC119620	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27659	TRNAT-CG	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27682	LOC103227	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27708	LOC119627	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979



27714	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27724	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27725	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27734	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27735	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27758	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27761	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27775	LOC10321:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27790	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27805	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27807	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27882	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27902	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27931	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27939	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27942	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27990	ADAMTS7	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
27994	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28013	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28020	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28023	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28027	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28034	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28054	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28063	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28082	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28090	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28092	LOC10324:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28117	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28181	DEFB108B	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28197	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28209	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28210	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28277	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28289	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28318	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28352	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28362	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28377	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28382	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28434	LOC10323:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28439	LOC11961:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28448	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28499	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28516	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28519	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28524	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28543	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28564	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28580	LOC10323:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28607	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28609	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28624	LOC10321:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28654	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28707	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28709	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28715	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28722	LOC10323:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28765	LOC10323:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28818	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28824	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28844	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28845	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28869	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28908	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28913	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28916	LOC10322:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28929	TRNAC-AC	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28951	LOC10323:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28959	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28965	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28968	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
28985	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29007	LOC11962:	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979



29032	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29045	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29051	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29052	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29069	CUNH17or	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29091	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29093	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29108	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29111	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29117	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29120	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29131	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29149	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29152	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29155	SMR3B	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29159	LOC103233	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29177	LOC119618	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29180	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29192	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29211	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29223	IL31	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29233	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29238	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29332	LOC103222	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29339	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29437	LOC103243	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29449	LOC119618	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29494	LOC103230	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29504	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
29541	LOC119622	0.167497	2.421735	4.072558	0.594647	0.552079	NA	0	0	0	0	0	1.004979
14707	LOC103243	5.349331	2.421566	1.281631	1.889442	0.058833	0.106348	1.626259	0.547412	2.782925	11.16063	14.97377	1.004979
7079	IL9R	21.71102	2.420986	0.653793	3.702988	0.000213	0.0008	8.673382	3.831883	7.653045	49.10679	44.92132	16.07967
4823	LOC103225	28.78702	2.420941	0.504667	4.797102	1.61E-06	8.87E-06	11.38381	6.02153	9.740239	46.87467	53.47777	45.22408
15977	LOC103243	5.795347	2.420911	1.450445	1.669082	0.095101	0.158244	0	0	5.565851	15.62489	8.556443	5.024897
4463	C1QL2	30.52056	2.4203	0.480811	5.033788	4.81E-07	2.86E-06	8.131296	10.94824	9.740239	60.26743	42.78221	51.25395
20122	LOC103222	1.249198	2.420244	2.397982	1.009283	0.312839	0.41332	0	0.547412	0.695731	2.232127	0	4.019918
612	LOC103222	426.4295	2.419257	0.179468	13.48013	2.05E-41	8.89E-40	148.5317	103.4608	151.6694	752.2268	678.0981	724.5902
13648	KLHL10	8.076177	2.419169	1.163123	2.079891	0.037536	0.073116	0	2.737059	4.87012	11.16063	25.66933	4.019918
12766	CNGB3	6.545111	2.41876	1.076175	2.247553	0.024605	0.051239	2.168345	0.547412	3.478657	8.928508	17.11289	7.034856
10844	LRR1Q4	8.882816	2.418108	0.908436	2.661837	0.007772	0.019053	1.626259	3.831883	2.782925	15.62489	21.39111	8.039836
373	SHOX2	1569.463	2.41809	0.15007	16.11305	2.07E-58	1.47E-56	428.7903	622.9546	431.3534	2611.589	2725.227	2596.867
9466	ADRA2A	13.58678	2.416974	0.807255	2.994066	0.002753	0.007731	2.710432	4.379295	5.565851	22.32127	38.50399	8.039836
17546	LOC103238	2.775826	2.415196	1.714089	1.409026	0.158828	0.240649	0.542086	0	2.087194	4.464254	8.556443	1.004979
1371	CDH18	130.9588	2.414532	0.250293	9.646822	5.07E-22	9.83E-21	48.24569	41.05589	34.09084	225.4448	228.8848	208.0308
5723	CD34	23.43676	2.414282	0.559925	4.311798	1.62E-05	7.52E-05	4.878777	8.211177	9.044508	42.41041	44.92132	31.15436
15441	PRMT8	4.879624	2.412506	1.375466	1.753956	0.079438	0.13677	0	0.547412	4.174388	6.696381	12.83466	5.024897
15433	GPR101	4.699715	2.411801	1.374262	1.754979	0.079263	0.136539	0	1.642235	2.782925	8.928508	12.83466	2.009959
17583	SOX21	3.45717	2.411589	1.71891	1.402976	0.160624	0.242859	0	0.547412	2.782925	13.39276	0	4.019918
7926	SYNPO2L	16.06241	2.41135	0.702765	3.431234	0.000601	0.002015	5.420864	2.189647	7.653045	26.78552	34.22577	20.09959
5532	LOC119618	27.10773	2.410907	0.547962	4.399774	1.08E-05	5.21E-05	4.336691	10.40082	11.1317	37.94616	55.61688	43.21412
10801	LOC103238	10.67326	2.410807	0.902765	2.670471	0.007574	0.018643	2.168345	1.094824	6.957314	26.78552	14.97377	12.05975
16846	FAM20A	4.310882	2.410423	1.59021	1.515789	0.129573	0.204481	0	0	4.174388	13.39276	4.278221	4.019918
6487	DOK2	17.88564	2.410004	0.610829	3.945462	7.96E-05	0.000326	5.420864	6.02153	5.565851	33.4819	25.66933	31.15436
18755	LOC119622	2.139938	2.409488	1.968648	1.22393	0.220978	0.313234	0	0	2.087194	4.464254	4.278221	2.009959
16831	TBATA	4.705738	2.4088	1.585555	1.519215	0.128708	0.203298	0	1.642235	2.782925	6.696381	17.11289	0
13855	LOC103224	5.541443	2.406767	1.180662	2.038489	0.041501	0.079632	1.084173	2.737059	1.391463	17.85702	2.139111	8.039836
17034	LOC103237	3.477807	2.406551	1.617206	1.488092	0.136727	0.213389	0.542086	0	2.782925	13.39276	2.139111	2.009959
13936	LOC103235	8.395347	2.40624	1.188079	2.02532	0.042835	0.081713	0	1.094824	6.957314	22.32127	14.97377	5.024897
17255	LOC103218	3.261758	2.405476	1.6508	1.457158	0.145073	0.22351	0	1.642235	1.391463	13.39276	2.139111	1.004979
860	HAS3	230.5913	2.405278	0.205011	11.73242	8.69E-32	2.69E-30	68.30288	67.33165	84.87923	426.3363	333.7013	402.9968
5440	LOC119620	32.79987	2.404982	0.541316	4.442845	8.88E-06	4.34E-05	10.29964	4.379295	16.69755	58.0353	64.17332	43.21412
14973	LOC103238	5.528187	2.404653	1.307649	1.838913	0.065928	0.117051	0.542086	0	4.87012	11.16063	8.556443	8.039836
146	CA12	12717.39	2.404646	0.107647	22.33835	1.57E-110	2.85E-108	3974.035	4472.355	3675.549	21165.03	19711.9	23305.47
14074	SULT2B1	6.170985	2.401842	1.201615	1.998845	0.045625	0.086183	0.542086	0.547412	4.87012	8.928508	17.11289	5.024897
4242	UPK3B	40.09952	2.401366	0.46244	5.192815	2.07E-07	1.30E-06	15.17842	6.568942	16.69755	73.66019	64.17332	64.31869
19608	GAL3ST3	2.176966	2.401	2.213451	1.084732	0.278041	0.376974	0	0	2.087194	6.696381	4.278221	0
7612	BRINP3	23.57915	2.40093	0.681779	3.521564	0.000429	0.001498	3.252518	6.02153	13.2189	35.71403	64.17332	19.09461
14297	LOC119625	5.466757	2.399594	1.223026	1.962014	0.049761	0.092529	1.084173	3.284471	0.695731	4.464254	19.252	4.019918
15943	MYOC	3.753617	2.399088	1.430208	1.67744	0.093456	0.155831	0	1.642235	2.087194	4.464254	4.278221	10.04979
13811	LOC119625	10.57593	2.398779	1.172526	2.045821	0.040774	0.078486	0	0.547412	9.740239	11.16063	29.94755	12.05975
14332	LOC119625	6.889356	2.398464	1.226468	1.955586	0.050514	0.0937	0	1.094824	5.565851	20.08914	8.556443	6.029877
11633	LOC103243	11.47098	2.397798	0.964227	2.486757	0.012891	0.029461	2.168345	0.547412	8.348776	15.62489	32.08666	10.04979
8008	LOC119622	14.65183	2.397691	0.703139	3.40998	0.00065	0.002157	3.794605	3.284471	6.957314	31.24978	23.53022	19.09461
18461	URAD	1.923002	2.397268	1.911063	1.254416	0.209691	0.301961	0	1.094824	0.695731	4.464254	4.278221	1.004979



16392	LOC119621	4.068962	2.394787	1.506901	1.589214	0.112012	0.18165	0	1.094824	2.782925	6.696381	12.83466	1.004979
9619	PRTFDC1	18.51054	2.394222	0.810045	2.955664	0.00312	0.008623	0.542086	5.474118	11.82743	33.4819	40.6431	19.09461
14800	LOC10323	5.302658	2.393446	1.277868	1.872999	0.061068	0.109691	0	1.642235	3.478657	6.696381	14.97377	5.024897
3228	ESYT3	68.48711	2.392119	0.389994	6.133728	8.58E-10	7.07E-09	16.26259	20.80165	28.52499	98.21359	164.7115	82.40832
17379	LOC11962	2.556949	2.391383	1.668982	1.432839	0.151904	0.23237	0	1.094824	1.391463	6.696381	2.139111	4.019918
9709	PAPOLB	15.11374	2.38961	0.816463	2.926782	0.003425	0.009378	5.96295	2.737059	5.565851	22.32127	47.06043	7.034856
13938	CYP4F11	6.040779	2.388698	1.179483	2.025207	0.042846	0.081724	0.542086	1.094824	4.174388	17.85702	8.556443	4.019918
18671	TMEM1321	1.907499	2.388663	1.939266	1.231736	0.218048	0.310454	0	1.094824	0.695731	2.232127	6.417332	1.004979
18672	HSD3B2	1.907499	2.388663	1.939266	1.231736	0.218048	0.310454	0	1.094824	0.695731	2.232127	6.417332	1.004979
13504	LOC10322	5.786815	2.388114	1.133767	2.106354	0.035174	0.069244	0.542086	2.189647	2.782925	15.62489	8.556443	5.024897
12585	LOC10323	7.057538	2.387834	1.044215	2.286726	0.022212	0.046921	0.542086	2.737059	3.478657	17.85702	10.69555	7.034856
19654	LOC11961	1.270723	2.386867	2.215238	1.077476	0.281267	0.380437	0	0.547412	0.695731	2.232127	2.139111	2.009959
19655	IL36A	1.270723	2.386867	2.215238	1.077476	0.281267	0.380437	0	0.547412	0.695731	2.232127	2.139111	2.009959
3213	CNTFR	49.16225	2.386829	0.388151	6.149231	7.79E-10	6.44E-09	16.26259	16.42235	14.61036	64.73168	100.5382	82.40832
20833	GPR65	1.323254	2.386721	2.652907	0.899662	0.3683	0.469988	0	0.547412	0.695731	6.696381	0	0
10608	FCMR	11.43845	2.386568	0.877552	2.719573	0.006537	0.016382	0.542086	4.926706	5.565851	17.85702	25.66933	14.06971
7961	LOC10324	24.55699	2.386335	0.697368	3.421915	0.000622	0.002077	3.252518	3.831883	16.69755	49.10679	51.33866	23.11453
3838	ODCF3B	45.2875	2.384265	0.432943	5.507108	3.65E-08	2.53E-07	11.38381	10.40082	22.2634	82.5887	72.72976	72.35852
5628	PAH	25.5177	2.38353	0.546676	4.360042	1.30E-05	6.14E-05	8.673382	10.40082	5.565851	29.01765	49.19955	50.24897
151	DEPP1	1949.245	2.38274	0.107927	22.07726	5.23E-108	9.20E-106	601.7159	666.7476	614.3308	3337.03	3005.45	3470.194
648	N4BP2L1	295.0727	2.381753	0.181035	13.15635	1.56E-39	6.42E-38	85.10756	110.5772	89.05362	482.1394	509.1083	494.4499
13357	CFAP99	5.698675	2.381548	1.115182	2.13557	0.032714	0.065115	1.626259	0.547412	3.478657	8.928508	8.556443	11.05477
16907	LOC11962	2.525056	2.381533	1.582549	1.504871	0.132357	0.208122	0.542086	0.547412	1.391463	2.232127	6.417332	4.019918
13574	KCNQ5	5.806565	2.381383	1.137643	2.09326	0.036326	0.071145	1.626259	1.094824	2.782925	15.62489	10.69555	3.014938
17428	LOC11961	2.524169	2.381055	1.672476	1.423671	0.154542	0.235735	1.084173	0	1.391463	2.232127	6.417332	4.019918
3203	IGFN1	139.0852	2.380289	0.386414	6.15995	7.28E-10	6.04E-09	24.93597	46.53	62.61582	238.8376	337.9795	123.6125
8517	MYL10	15.16008	2.379977	0.73171	3.252622	0.001143	0.003569	4.336691	3.831883	6.261582	31.24978	34.22577	11.05477
9698	FGF22	11.48974	2.379237	0.812072	2.929837	0.003391	0.009297	3.252518	1.642235	6.261582	22.32127	21.39111	14.06971
2597	LOC11962	86.37902	2.379101	0.340729	6.982394	2.90E-12	2.97E-11	21.14137	24.08612	38.26523	156.2489	168.9897	109.5428
14796	CLEC3B	4.159373	2.377069	1.268415	1.874046	0.060924	0.109466	1.084173	1.642235	1.391463	2.232127	8.556443	10.04979
9549	PLP1	12.50073	2.376699	0.799587	2.972408	0.002955	0.008225	2.710432	4.379295	4.87012	15.62489	36.36488	11.05477
404	RASSF5	549.6231	2.37603	0.151951	15.63678	4.09E-55	2.69E-53	158.8313	182.8355	192.7176	930.797	823.5576	1008.999
7467	BCAN	27.11399	2.374762	0.664461	3.573968	0.000352	0.001252	3.794605	7.116354	15.30609	44.64254	72.72976	19.09461
17227	SCTR	34.01181	2.373804	1.622249	1.64328	0.143391	0.221283	0	0.547412	2.782925	2.232127	12.83466	2.009959
20220	LOC11961	1.254333	2.373118	2.389983	0.992944	0.320737	0.421681	0.542086	0	0.695731	0	4.278221	2.009959
20221	LOC10323	1.254333	2.373118	2.389983	0.992944	0.320737	0.421681	0.542086	0	0.695731	0	4.278221	2.009959
7595	LOC11961	20.95576	2.372937	0.672719	3.527384	0.00042	0.001469	7.047123	2.737059	10.43597	44.64254	42.78221	18.08963
15585	LOC11962	7.783291	2.372895	1.370311	1.731648	0.083336	0.142156	0	0	7.653045	22.32127	10.69555	6.029877
312	FMO4	540.2308	2.372192	0.138134	17.1731	4.22E-66	3.60E-64	183.2252	178.4563	162.8011	924.1006	864.2007	928.601
1380	TAMALIN	157.9817	2.371937	0.246655	9.616429	6.82E-22	1.31E-20	62.33993	44.88777	46.614	270.0874	222.4675	301.4938
16158	LOC11961	3.781164	2.371158	1.450139	1.635124	0.102023	0.16785	0	1.642235	2.087194	2.232127	10.69555	6.029877
7676	LOC10322	25.49634	2.370763	0.677508	3.49924	0.000467	0.001616	4.878777	3.284471	16.69755	55.80317	49.19955	23.11453
13517	CCER1	12.50532	2.370754	1.126384	2.104747	0.035313	0.069454	0	0.547412	11.82743	15.62489	29.94755	17.08465
17725	ANKRD60	2.323623	2.370675	1.717946	1.379948	0.167603	0.25138	0.542086	1.642235	0	4.464254	4.278221	3.014938
7346	LOC10322	35.43378	2.370191	0.655273	3.617107	0.000298	0.001078	6.505036	4.379295	23.65487	55.80317	94.12087	28.13943
18556	LOC10323	2.309007	2.369887	1.907531	1.242385	0.214095	0.306731	0	2.189647	0	2.232127	6.417332	3.014938
14817	LOC10324	4.518398	2.368903	1.267443	1.869041	0.061617	0.110547	1.084173	0.547412	2.782925	13.39276	4.278221	5.024897
12002	FOXE3	21.60496	2.368683	0.984776	2.405303	0.016159	0.035792	0.542086	0.547412	20.17621	46.87467	36.36488	25.12449
20226	LOC11962	1.255221	2.368595	2.389492	0.991255	0.321561	0.422638	0	0.547412	0.695731	0	4.278221	2.009959
20227	LOC11961	1.255221	2.368595	2.389492	0.991255	0.321561	0.422638	0	0.547412	0.695731	0	4.278221	2.009959
12710	CEBPE	9.139547	2.367779	1.049309	2.256513	0.024039	0.050286	0	2.737059	6.261582	13.39276	21.39111	11.05477
10128	LOC11962	14.56724	2.367391	0.836159	2.831269	0.004636	0.012169	2.168345	4.379295	7.653045	8.928508	49.19955	15.07469
1613	FLVCR2	119.7081	2.364732	0.264339	8.945829	3.69E-19	6.08E-18	35.7777	35.58177	45.22254	232.1412	194.6591	174.8664
17484	AZU1	2.562972	2.362654	1.670486	1.414351	0.157259	0.239117	0	1.094824	1.391463	4.464254	6.417332	2.009959
5359	CLIC5	40.48181	2.362642	0.526808	4.484823	7.30E-06	3.62E-05	10.84173	7.663765	20.87194	87.05295	81.28623	35.17428
7214	PRLHR	24.43234	2.361576	0.644821	3.662377	0.00025	0.000921	3.252518	4.926706	16.00182	40.17829	47.06043	35.17428
5720	LOC11962	41.55104	2.360933	0.54737	4.313233	1.61E-05	7.48E-05	8.131296	8.211177	24.3506	64.73168	102.6773	41.20416
27126	LOC11962	0.618445	2.360592	3.758545	0.62806	0.529965	NA	0	0	0.695731	0	0	3.014938
27251	LOC10321	0.618445	2.360592	3.758545	0.62806	0.529965	NA	0	0	0.695731	0	0	3.014938
29457	LOC11962	0.618445	2.360592	3.758545	0.62806	0.529965	NA	0	0	0.695731	0	0	3.014938
392	MYBPH	627.371	2.360282	0.149201	15.81952	2.28E-56	1.55E-54	217.9187	201.995	194.8048	1066.957	902.7047	1179.846
13290	B3GNT8	7.305217	2.359587	1.097346	2.150267	0.031534	0.06308	0.542086	1.094824	5.565851	15.62489	14.97377	6.029877
9733	LOC11962	10.20535	2.357959	0.807346	2.920629	0.003493	0.009542	3.252518	3.831883	2.782925	22.32127	14.97377	14.06971
14994	LOC11962	5.348015	2.357359	1.284404	1.835372	0.066451	0.11782	0.542086	0.547412	4.174388	6.696381	17.11289	3.014938
19157	LOC10322	1.941699	2.3572	2.033735	1.15905	0.246436	0.341984	0	0.547412	1.391463	6.696381	0	3.014938
1142	TMEM154	170.3573	2.357051	0.227799	10.34706	4.32E-25	1.00E-23	51.49821	65.68942	50.09266	265.6231	271.6671	317.5735
8105	GCM1	14.03957	2.356793	0.697443	3.37919	0.000727	0.002385	4.878777	3.284471	5.565851	29.01765	21.39111	20.09959
14698	AANAT	4.47189	2.356179	1.246169	1.890739	0.058659	0.1061	1.084173	0.547412	2.782925	6.696381	10.69555	5.024897
17733	MRGPRX2	2.547469	2.355824	1.708994	1.378485	0.168053	0.251914	0	1.094824	1.391463	2.232127	8.556443	2.009959
17734	LOC11962	2.547469	2.355824	1.708994	1.378485	0.168053	0.251914	0	1.094824	1.391463	2.232127	8.556443	2.009959
11940	LOC11962	7.519019	2.355515	0.974725	2.416594	0.015666	0.034882	1.626259	2.189647	3.478657	20.08914	10.69555	7.034856
2427	RDH12	80.45601	2.										



18513	LOC119621	2.584497	2.353559	1.883804	1.249365	0.211532	0.303763	0	1.094824	1.391463	4.464254	8.556443	0
18460	LYPD2	1.926196	2.352838	1.875569	1.254467	0.209672	0.301958	0	0.547412	1.391463	4.464254	2.139111	3.014938
9092	VXN	12.72428	2.352741	0.762548	3.085369	0.002033	0.005944	5.420864	2.737059	4.174388	17.85702	32.08666	14.06971
12211	PSCA	7.182406	2.351542	0.994371	2.364853	0.018037	0.039267	1.084173	3.831883	2.087194	8.928508	17.11289	10.04979
352	H1-1	897.1541	2.350844	0.143533	16.37841	2.73E-60	2.06E-58	258.0331	348.1539	274.8139	1571.417	1514.49	1416.016
18456	LOC103241	2.531966	2.350071	1.871539	1.255689	0.209229	0.301384	0	1.094824	1.391463	0	10.69555	2.009959
19388	LOC119621	1.977839	2.350036	2.099051	1.119571	0.262897	0.360486	0.542086	0	1.391463	8.928508	0	1.004979
14571	TUBB1	4.269569	2.348519	1.228534	1.911643	0.055922	0.10203	1.626259	1.094824	1.391463	8.928508	8.556443	4.019918
83	RNF128	16972.58	2.34829	0.091111	25.77401	1.73E-146	5.56E-144	5311.362	6103.642	5300.082	28019.89	28439.48	28661.01
20374	LOC119621	1.291361	2.348243	2.431971	0.965572	0.334258	0.436157	0.542086	0	0.695731	2.232127	4.278221	0
15989	KCNK18	6.230792	2.347854	1.407597	1.667988	0.095318	0.158486	0	0	6.261582	13.39276	10.69555	7.034856
190	SLC12A1	2634.274	2.347484	0.114465	20.50836	1.81E-93	2.54E-91	813.6716	993.5524	787.5679	4303.541	4447.211	4460.099
12012	MXRA5	8.935188	2.345499	0.975579	2.404212	0.016207	0.03587	1.626259	1.642235	5.565851	8.928508	27.80844	8.039836
20385	CST6	1.292249	2.343674	2.431482	0.963887	0.335103	0.437001	0	0.547412	0.695731	2.232127	4.278221	0
20386	LOC103211	1.292249	2.343674	2.431482	0.963887	0.335103	0.437001	0	0.547412	0.695731	2.232127	4.278221	0
11951	LOC119621	6.944476	2.343348	0.970747	2.413963	0.01578	0.035103	2.710432	2.737059	1.391463	8.928508	12.83466	13.06473
3551	LOC103241	50.46766	2.342944	0.403711	5.803518	6.49E-09	4.86E-08	21.68345	16.42235	11.1317	84.82083	98.39909	70.34856
16775	LOC119611	3.202942	2.341171	1.530627	1.529551	0.126128	0.199887	0	1.094824	2.087194	4.464254	8.556443	3.014938
11033	TRPV5	9.365762	2.34107	0.892622	2.622688	0.008724	0.021022	1.084173	2.737059	5.565851	15.62489	17.11289	14.06971
3806	OTOF	41.92834	2.340312	0.423071	5.531723	3.17E-08	2.21E-07	14.09425	13.6853	13.2189	75.89232	83.42532	51.25395
94	DUSP4	4720.336	2.339879	0.095054	24.61621	8.47E-134	2.40E-131	1605.66	1527.826	1540.349	7698.606	7416.297	8533.281
21049	LACTBL1	1.276746	2.337039	2.678359	0.872563	0.382901	0.483532	0	0.547412	0.695731	0	6.417332	0
21052	LOC103241	1.276746	2.337039	2.678359	0.872563	0.382901	0.483532	0	0.547412	0.695731	0	6.417332	0
9620	SOX7	11.32602	2.336923	0.790671	2.955619	0.00312	0.008623	3.794605	4.379295	2.782925	24.5534	21.39111	11.05477
13515	LOC119621	14.40931	2.336644	1.109892	2.10529	0.035266	0.069371	0	0.547412	13.91463	31.24978	25.66933	15.07469
17855	IL36RN	33.00254	2.336296	1.707168	1.368521	0.171149	0.25483	0	2.189647	30.61218	64.73168	66.31243	34.1693
15625	CALHM1	5.293544	2.336024	1.352446	1.727258	0.084121	0.143097	0	0.547412	4.87012	4.464254	12.83466	9.044815
6204	PROX1	35.58184	2.335672	0.573794	4.070576	4.69E-05	0.000201	5.96295	10.40082	18.78475	62.49956	87.70354	28.13943
13859	LOC103221	5.633046	2.335544	1.146192	2.037655	0.041584	0.079769	1.626259	1.094824	2.782925	17.85702	6.417332	4.019918
11684	ASAH2	8.095038	2.33526	0.943429	2.47529	0.013313	0.030291	1.084173	2.189647	4.87012	13.39276	14.97377	12.05975
15485	DNAJC5B	3.601788	2.334112	1.335869	1.747262	0.080592	0.138362	1.626259	0.547412	1.391463	4.464254	8.556443	5.024897
10694	CUNH19or	12.91736	2.333857	0.866484	2.69348	0.007071	0.017578	1.626259	2.189647	9.044508	26.78552	27.80844	10.04979
6013	BLNK	34.37833	2.333679	0.561143	4.158797	3.20E-05	0.000141	13.01007	17.51718	3.478657	60.26743	40.6431	71.35354
16235	ASB10	4.701288	2.333647	1.440853	1.619629	0.105312	0.17245	0	3.831883	0.695731	6.696381	14.97377	2.009959
12436	TPH2	7.663106	2.332742	1.008417	2.313271	0.020708	0.044268	1.626259	4.379295	1.391463	11.16063	21.39111	6.029877
11866	LOC103241	10.48593	2.332581	0.95864	2.43322	0.014965	0.033526	6.505036	2.189647	1.391463	17.85702	29.94755	5.024897
15348	MAGEA1	4.933727	2.332565	1.31721	1.770838	0.076588	0.132661	0	2.737059	2.087194	8.928508	12.83466	3.014938
18001	IL10RA	2.327705	2.332227	1.737385	1.342378	0.179473	0.265057	0	1.642235	0.695731	4.464254	2.139111	5.024897
14041	CBL	7.008827	2.332135	1.162311	2.006464	0.044807	0.084836	0	2.189647	4.87012	6.696381	19.252	9.044815
16393	LOC119621	6.950841	2.332094	1.467489	1.589173	0.112021	0.18165	0	0	6.957314	15.62489	17.11289	2.009959
10116	LOC119621	10.2585	2.331541	0.822645	2.834201	0.004594	0.012073	2.710432	3.831883	3.478657	20.08914	21.39111	10.04979
13506	LBX1	17.89287	2.331298	1.10687	2.106207	0.035186	0.06926	0.542086	0	17.39328	35.71403	40.6431	13.06473
12590	NIPAL4	7.566152	2.330719	1.019681	2.285734	0.02227	0.047025	1.084173	2.189647	4.174388	20.08914	12.83466	5.024897
12747	LOC103211	6.588681	2.330663	1.036072	2.249519	0.024479	0.051054	1.084173	3.284471	2.087194	8.928508	17.11289	7.034856
12930	LOC103231	12.71393	2.330473	1.051568	2.216189	0.026679	0.054857	0	1.642235	11.1317	26.78552	25.66933	11.05477
17372	LOC119621	3.171049	2.330026	1.622839	1.435772	0.151067	0.231183	0.542086	0.547412	2.087194	0	12.83466	3.014938
13991	FGF10	6.18612	2.329834	1.158083	2.011802	0.044241	0.084064	0	2.737059	3.478657	11.16063	10.69555	9.044815
10584	HTR1A	24.75422	2.329183	0.85434	2.726295	0.006405	0.016088	1.626259	1.642235	21.56767	49.10679	53.47777	21.10457
17133	KRT36	2.997739	2.32916	1.57824	1.475796	0.139999	0.217234	0.542086	1.094824	1.391463	8.928508	0	6.029877
889	LOC119621	220.6305	2.329084	0.201874	11.53732	8.55E-31	2.56E-29	79.14461	63.49977	76.53045	377.2295	395.7355	331.6432
12884	TAS1R1	5.964746	2.328725	1.048149	2.22175	0.0263	0.054268	2.710432	1.094824	2.087194	11.16063	10.69555	8.039836
6730	LOC119611	18.98663	2.328686	0.605688	3.844697	0.000121	0.000477	7.047123	7.116354	4.87012	29.01765	25.66933	40.19918
7787	ANP32D	20.17661	2.328571	0.671197	3.469279	0.000522	0.001782	3.252518	10.94824	5.565851	49.10679	32.08666	20.09959
9546	LY75	13.08466	2.328483	0.783073	2.973521	0.002944	0.008199	2.710432	3.284471	6.957314	24.5534	29.94755	11.05477
314	TCN2	5836.813	2.327868	0.136121	17.10149	1.45E-65	1.22E-63	2159.13	1621.981	2038.493	9229.845	8663.398	11308.03
18965	MMRN1	1.708372	2.327209	1.954199	1.190876	0.233702	0.327585	0.542086	1.094824	0	4.464254	2.139111	2.009959
18966	LOC103211	1.708372	2.327209	1.954199	1.190876	0.233702	0.327585	0.542086	1.094824	0	4.464254	2.139111	2.009959
13684	LOC103231	5.296433	2.327188	1.123108	2.072096	0.038256	0.074321	1.084173	2.737059	1.391463	6.696381	12.83466	7.034856
11406	RGS22	9.176373	2.325465	0.917521	2.534507	0.011261	0.026246	1.084173	3.831883	4.174388	13.39276	23.53022	9.044815
16479	MRGPRG	2.984231	2.324949	1.475443	1.575763	0.11508	0.185488	1.084173	1.094824	0.695731	4.464254	8.556443	2.009959
16488	DNMT3L	2.984231	2.324949	1.475443	1.575763	0.11508	0.185488	1.084173	1.094824	0.695731	4.464254	8.556443	2.009959
13725	BPIFB1	5.531179	2.324501	1.125444	2.065409	0.038884	0.075318	1.626259	0.547412	3.478657	8.928508	8.556443	10.04979
26793	LOC119611	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
27536	ACRV1	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
28171	LOC119611	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
28346	LOC119611	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
28728	LOC103231	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
28857	LOC103211	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
29381	LOC103231	0.614363	2.324193	3.383486	0.686922	0.492132	NA	0.542086	0	0	0	2.139111	1.004979
26782	LOC103231	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
26861	LOC119611	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
27033	LOC103231	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
27373	LOC119621	0.											



27878	COX7B2	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
27889	LOC119627	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
28506	LOC119620	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
28668	LOC119620	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
29078	LOC119627	0.61525	2.324189	3.381844	0.687255	0.491922	NA	0	0.547412	0	0	2.139111	1.004979
26663	EFCAB9	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
26760	LOC119624	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27026	MRGPRD	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27050	LOC103235	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27440	TAFA1	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27512	LOC119626	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27558	UBTFL1	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
28485	CBY2	0.630753	2.324126	3.354501	0.692838	0.488411	NA	0	0.547412	0	2.232127	0	1.004979
27048	LOC103235	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
27146	LOC119624	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
27157	LOC103237	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
27236	FAM240C	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28137	LOC119618	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28279	LOC119618	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28281	LOC103225	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28611	LOC103244	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28926	LOC103225	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28934	LOC103234	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
28940	LOC103234	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
29038	SMCO4	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
29245	LOC103235	0.63997	2.324086	3.337507	0.696354	0.486207	NA	0	0	0.695731	0	2.139111	1.004979
26899	LOC103238	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
27345	LOC119626	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
27618	LOC119626	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
27648	TRNAQ-CU	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28297	LOC119615	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28530	LOC119620	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28553	LOC119620	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28618	LOC119620	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28754	LOC119627	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
28905	LOC119627	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
29260	LOC119625	0.655473	2.324025	3.311781	0.701745	0.482838	NA	0	0	0.695731	2.232127	0	1.004979
17281	KRT12	4.11238	2.323826	1.599225	1.453095	0.146197	0.224909	0	0	4.174388	8.928508	8.556443	3.014938
2704	LOC119625	70.03207	2.323509	0.340277	6.828294	8.59E-12	8.45E-11	18.97302	23.53871	27.13352	136.1597	121.9293	92.45811
12027	LOC103227	7.9856	2.322277	0.966986	2.401561	0.016325	0.036086	4.878777	1.094824	2.087194	8.928508	12.83466	18.08963
12800	LCP2	6.835796	2.322254	1.036932	2.239544	0.025121	0.052174	2.710432	3.284471	0.695731	17.85702	6.417332	10.04979
18801	LOC103237	1.947722	2.322034	1.907363	1.217405	0.22345	0.315963	0	0.547412	1.391463	4.464254	4.278221	1.004979
11680	LOC119627	10.30339	2.321774	0.937793	2.475786	0.013294	0.030259	2.710432	6.568942	0.695731	24.5534	19.252	8.039836
286	AMPD3	622.0587	2.320718	0.130619	17.7671	1.27E-70	1.18E-68	202.1982	218.4173	202.4578	1006.689	1018.217	1084.373
11945	SLC22A16	9.706053	2.319908	0.960598	2.415067	0.015732	0.035014	3.794605	2.189647	3.478657	20.08914	25.66933	3.014938
16143	LOC119625	4.128108	2.319466	1.415022	1.639174	0.101177	0.166637	2.710432	0.547412	0.695731	13.39276	6.417332	1.004979
13460	TRH	7.497066	2.318982	1.0962	2.115474	0.03439	0.067923	0	2.737059	4.87012	15.62489	10.69555	11.05477
2831	PRRT1B	64.30425	2.317997	0.348818	6.645288	3.03E-11	2.84E-10	18.97302	27.37059	18.08902	113.8385	91.98176	115.5726
20363	LOC119626	1.715282	2.317563	2.395784	0.967351	0.333369	0.435231	0	1.642235	0	2.232127	6.417332	0
17729	ANGPT4	4.133905	2.31754	1.679865	0.137599	0.16771	0.251485	0	0	4.174388	8.928508	10.69555	1.004979
6644	STYXL2	19.36743	2.316221	0.596905	3.880387	0.000104	0.000417	6.505036	7.116354	5.565851	31.24978	40.6431	25.12449
19666	FBP1	1.72901	2.31591	2.153816	1.075259	0.282259	0.381565	1.084173	0.547412	0	4.464254	4.278221	0
14501	LOC103237	6.213668	2.314728	1.20233	1.925203	0.054204	0.099373	0	2.737059	3.478657	8.928508	17.11289	5.024897
2405	LOC119627	91.61558	2.314423	0.318529	7.265975	3.70E-13	4.09E-12	38.48813	33.39212	19.48048	167.4095	141.1813	149.7419
15389	LOC103216	5.361896	2.3144	1.31363	1.761836	0.078097	0.134915	0.542086	3.284471	1.391463	6.696381	19.252	1.004979
9666	LOC119625	12.77099	2.31431	0.786794	2.941442	0.003267	0.008985	3.252518	3.284471	6.261582	13.39276	36.36488	14.06971
428	TRABD2B	403.386	2.313851	0.150976	15.3259	5.13E-53	3.19E-51	133.8953	142.8745	128.7103	662.9417	652.4288	699.4657
16910	LOC103235	3.436329	2.313111	1.537478	1.504484	0.132457	0.208232	0.542086	2.189647	0.695731	11.16063	0	6.029877
8278	LOC103237	18.17726	2.312978	0.696499	3.320863	0.000897	0.002882	7.047123	2.737059	8.348776	26.78552	47.06043	17.08465
15727	FOXN4	5.976565	2.312833	1.350083	1.713104	0.086693	0.146547	0	0.547412	5.565851	4.464254	19.252	6.029877
15031	LOC119627	5.840337	2.312816	1.265714	1.827282	0.067657	0.119664	0	1.094824	4.87012	15.62489	6.417332	7.034856
18948	LOC119625	1.932219	2.312325	1.935262	1.194838	0.23215	0.325718	0	0.547412	1.391463	2.232127	6.417332	1.004979
558	CUNH15or	402.2975	2.311863	0.164246	14.07557	5.37E-45	2.56E-43	126.3061	131.3788	146.1036	705.3521	718.7412	585.903
16535	CEACAM6	3.673016	2.310937	1.472591	1.5693	0.116578	0.187434	1.626259	0	2.087194	11.16063	2.139111	5.024897
15799	LOC103224	5.062524	2.310805	1.357908	1.701738	0.088804	0.149431	1.084173	0	4.174388	2.232127	12.83466	10.04979
242	CORO2B	866.1192	2.310786	0.123703	18.68009	7.19E-78	7.90E-76	266.1644	291.2231	315.862	1428.561	1407.535	1487.37
150	NRBP2	4034.929	2.310391	0.104649	22.07748	5.20E-108	9.20E-106	1294.502	1485.676	1282.929	6482.097	6419.471	7244.897
10038	LOC119624	15.9327	2.308388	0.809005	2.853367	0.004326	0.011456	2.710432	1.642235	11.82743	31.24978	32.08666	16.07967
17904	LOC119627	2.586804	2.307843	1.695856	1.360872	0.173554	0.257704	0.542086	0	2.087194	4.464254	6.417332	2.009959
6543	PCDH17	24.46057	2.305995	0.587947	3.922117	8.78E-05	0.000357	12.46799	4.379295	7.653045	33.4819	55.61688	33.16432
14241	TEX46	4.681182	2.305944	1.17129	1.968722	0.048985	0.091426	1.084173	2.189647	1.391463	6.696381	10.69555	6.029877
19556	LOC103240	1.916716	2.303594	2.113377	1.090007	0.27571	0.374809	0	0.547412	1.391463	0	8.556443	1.004979
2951	LOC119620	61.95176	2.301993	0.354865	6.486957	8.76E-11	7.89E-10	18.43094	16.96977	27.82925	102.6778	96.25998	109.5428
8335	HSPA12B	19.80925	2.300588	0.696682	3.302207	0.000959	0.00306	3.794605	4.379295	11.82743	35.71403	47.06043	16.07967



7480	RASGRP2	18.3564	2.299385	0.644085	3.570001	0.000357	0.001269	9.757555	4.379295	4.174388	33.4819	34.22577	24.11951
10738	LOC119621	11.19994	2.299121	0.856857	2.683202	0.007292	0.018054	2.168345	1.642235	7.653045	24.5534	17.11289	14.06971
2294	POU2F2	155.037	2.298734	0.309334	7.431226	1.08E-13	1.25E-12	29.27266	53.09895	75.13899	283.4801	263.1106	226.1204
18180	LOC119624	2.317337	2.296301	1.75863	1.305733	0.191643	0.280244	0.542086	1.094824	0.695731	0	8.556443	3.014938
283	ZNF385B	1152.645	2.295583	0.128871	17.81308	5.59E-71	5.26E-69	345.8511	443.951	381.2608	1892.844	1828.94	2023.024
16034	LOC119620	3.789555	2.294165	1.381914	1.660136	0.096887	0.160643	1.626259	2.189647	0	4.464254	6.417332	8.039836
236	PLPP3	1000.768	2.293757	0.121511	18.87695	1.76E-79	1.99E-77	319.831	360.197	338.1254	1707.577	1525.186	1753.689
14015	LOC103225	8.118076	2.2932	1.140692	2.010358	0.044393	0.08421	0	2.737059	5.565851	6.696381	25.66933	8.039836
625	MAP1A	351.2598	2.29221	0.172047	13.32314	1.70E-40	7.22E-39	101.3702	135.2107	121.0573	558.0317	598.951	592.9379
9858	EPHA1	16.19195	2.291631	0.792585	2.891339	0.003836	0.010345	2.168345	3.831883	10.43597	29.01765	40.6431	11.05477
1856	LAMB3	124.5963	2.29147	0.276502	8.287338	1.16E-16	1.66E-15	39.03022	37.77142	50.09266	169.6417	263.1106	187.9312
16567	LOC119618	3.883135	2.29012	1.465642	1.562536	0.118162	0.189614	0	0.547412	3.478657	6.696381	8.556443	4.019918
5527	PDE4C	26.75269	2.289746	0.520298	4.400835	1.08E-05	5.19E-05	9.215468	9.306001	8.348776	46.87467	55.61688	31.15436
13285	CPLX3	9.941614	2.289266	1.064126	2.15131	0.031452	0.062941	0	3.831883	6.261582	17.85702	25.66933	6.029877
9498	EVPLL	12.69851	2.288896	0.767042	2.984055	0.002845	0.007962	4.878777	4.926706	2.782925	29.01765	23.53022	11.05477
939	LOC119622	253.9768	2.287854	0.203031	11.26852	1.88E-29	5.31E-28	75.89209	81.56436	102.9682	437.4969	363.6488	462.2906
18890	SMIM2	2.556686	2.287408	1.89797	1.205186	0.228131	0.321046	0	0.547412	2.087194	0	10.69555	2.009959
10709	LOC103242	13.55351	2.286922	0.850309	2.689518	0.007156	0.017765	1.084173	4.379295	8.348776	20.08914	36.36488	11.05477
11323	ZNF804B	8.948915	2.286462	0.895872	2.552218	0.010704	0.025132	2.168345	1.642235	5.565851	13.39276	12.83466	18.08963
7885	SLC4A9	15.65121	2.28587	0.663446	3.445449	0.00057	0.001922	6.505036	4.379295	4.87012	31.24978	27.80844	19.09461
13642	LOC119623	6.905648	2.28423	1.097716	2.080893	0.037444	0.072969	0.542086	1.094824	5.565851	15.62489	8.556443	10.04979
906	EGR3	299.7929	2.284065	0.199701	11.43743	2.72E-30	7.98E-29	84.02339	122.0728	99.48959	569.1924	472.7435	451.2358
737	LOC119623	331.726	2.283502	0.181707	12.56693	3.21E-36	1.16E-34	110.5856	113.8617	116.1871	555.7996	457.7697	636.152
6385	NME9	28.01319	2.283227	0.572917	3.98527	6.74E-05	0.000281	8.131296	7.663765	12.53216	51.33892	66.31293	22.10955
10731	DMBT1	14.39402	2.283201	0.850474	2.684623	0.007261	0.017989	1.626259	2.737059	10.43597	17.85702	40.6431	13.06473
4336	LOC119623	37.70889	2.281883	0.44493	5.128634	2.92E-07	1.79E-06	13.01007	15.32753	9.740239	75.89232	62.03421	50.24897
16115	PXT1	3.406744	2.280956	1.388413	1.642851	0.100414	0.165643	1.626259	0.547412	1.391463	6.696381	2.139111	8.039836
10789	LOC119623	15.6868	2.280649	0.853298	2.672745	0.007523	0.018538	3.252518	1.094824	11.82743	20.08914	42.78221	15.07469
72	NEU1	9532.702	2.28061	0.085756	26.59405	7.95E-156	2.94E-153	3343.589	3066.601	3354.121	15667.3	15433.68	16330.92
3330	ZNF880	57.38827	2.280299	0.379114	6.014818	1.80E-09	1.44E-08	18.43094	25.18094	14.61036	87.05295	117.6511	81.40334
9497	MEST	14.40515	2.280094	0.764026	2.984312	0.002842	0.007956	5.420864	1.642235	7.653045	24.5534	32.08666	15.07469
1156	LOC119623	243.3	2.279043	0.221261	10.30026	7.03E-25	1.62E-23	89.98634	66.23683	92.53227	395.0865	481.2999	334.6582
14312	TPH1	4.705015	2.278595	1.163303	1.95873	0.050144	0.093132	1.626259	1.094824	2.087194	6.696381	10.69555	6.029877
15968	LOC119623	5.214719	2.277799	1.362917	1.671267	0.094669	0.157613	0.542086	0	4.87012	11.16063	10.69555	4.019918
13312	LOC103230	7.58925	2.277138	1.061878	2.144443	0.031997	0.063896	1.084173	4.379295	2.087194	17.85702	17.11289	3.014938
469	LYZ	2214.242	2.274841	0.152763	14.89131	3.75E-50	2.13E-48	854.3281	562.7393	858.5325	3729.884	3743.444	3536.523
20960	SLC1A7	1.310946	2.274554	2.573063	0.883987	0.376703	0.477707	0	0	1.391463	4.464254	0	2.009959
20961	LOC119625	1.310946	2.274554	2.573063	0.883987	0.376703	0.477707	0	0	1.391463	4.464254	0	2.009959
20962	LOC119620	1.310946	2.274554	2.573063	0.883987	0.376703	0.477707	0	0	1.391463	4.464254	0	2.009959
20964	LOC103248	1.310946	2.274554	2.573063	0.883987	0.376703	0.477707	0	0	1.391463	4.464254	0	2.009959
16949	LOC119626	2.994335	2.274105	1.516464	1.49961	0.133715	0.209731	0.542086	1.094824	1.391463	2.232127	10.69555	2.009959
2832	LOC119624	73.21933	2.272893	0.342057	6.64477	3.04E-11	2.85E-10	26.56223	18.06459	30.61218	147.3204	111.2338	105.5228
15276	LOC119615	4.032986	2.271045	1.27301	1.783996	0.074424	0.129521	0.542086	1.642235	2.087194	4.464254	6.417332	9.044815
11333	KCNH6	10.63487	2.269821	0.890052	2.55021	0.010766	0.025254	4.336691	2.189647	4.174388	24.5534	23.53022	5.024897
17468	LOC119626	5.257769	2.269777	1.602607	1.416303	0.156687	0.238476	0.542086	0	4.87012	11.16063	14.97377	0
5585	ADGRG3	27.56487	2.269763	0.518326	4.37903	1.19E-05	5.67E-05	9.215468	9.853413	9.044508	64.73168	36.36488	36.17926
20427	HESS	1.295443	2.269593	2.369829	0.957703	0.338212	0.44015	0	0	1.391463	2.232127	2.139111	2.009959
20428	LOC103233	1.295443	2.269593	2.369829	0.957703	0.338212	0.44015	0	0	1.391463	2.232127	2.139111	2.009959
12661	LOC103233	7.206568	2.268986	1.000418	2.268038	0.023327	0.048981	4.336691	1.642235	1.391463	6.696381	17.11289	12.05975
20073	LOC103215	1.966419	2.268305	2.230786	1.016819	0.30924	0.409562	0	0	2.087194	6.696381	0	3.014938
19422	LOC103216	1.950916	2.267973	2.034463	1.114777	0.264946	0.362642	0	0	2.087194	4.464254	2.139111	3.014938
19423	ARL13A	1.950916	2.267973	2.034463	1.114777	0.264946	0.362642	0	0	2.087194	4.464254	2.139111	3.014938
7930	TSP02	14.99248	2.267726	0.661037	3.430556	0.000602	0.002019	4.878777	4.379295	6.261582	26.78552	23.53022	24.11951
11097	LRTM2	16.42733	2.267711	0.870181	2.606023	0.00916	0.021945	2.168345	1.642235	13.2189	24.5534	44.92132	12.05975
7332	LOC103215	21.93032	2.267451	0.626011	3.622064	0.000292	0.00106	10.84173	3.831883	7.653045	37.94616	49.19955	22.10955
21384	LOC119624	1.092234	2.266127	2.768983	0.818397	0.413131	0.513612	1.084173	0	0	4.464254	0	1.004979
1094	SAMD9	195.6571	2.265746	0.215059	10.53545	5.93E-26	1.44E-24	55.8349	78.8273	67.48594	339.2833	305.8928	326.6183
10092	DNAAF1	12.04438	2.265225	0.797499	2.840409	0.004506	0.011869	2.168345	6.568942	3.478657	22.32127	25.66933	12.05975
13735	SEPTIN1	8.49174	2.264464	1.097337	2.063599	0.039056	0.075595	4.336691	2.737059	1.391463	20.08914	21.39111	1.004979
20277	RNF224	18.80487	2.264326	2.302572	0.98339	0.325415	0.426649	0	0	19.48048	33.4819	42.78221	17.08465
20886	RPTN	1.040591	2.264058	2.537771	0.892144	0.372316	0.473885	0.542086	0.547412	0	0	2.139111	3.014938
17728	LOC119623	2.720265	2.261492	1.639008	1.379793	0.16765	0.251409	1.626259	0.547412	0.695731	0	6.417332	7.034856
669	SAMD9L	717.6757	2.260953	0.173859	13.00448	1.15E-38	4.58E-37	228.7604	315.3092	198.9792	1113.831	1165.815	1283.359
7711	LOC103233	28.50032	2.260765	0.647999	3.488838	0.000485	0.001673	7.589209	3.831883	18.08902	44.64254	72.72976	24.11951
1692	MHC-DMB	127.346	2.260597	0.258382	8.749036	2.15E-18	3.38E-17	49.87195	35.03436	47.30973	227.677	186.1026	218.0805
19693	LOC103225	1.679674	2.260478	2.110528	1.071048	0.284148	0.383568	1.084173	0	0.695731	0	4.278221	4.019918
14753	UBASH3A	5.738788	2.25989	1.20153	1.880843	0.059993	0.108108	0.542086	3.284471	2.087194	2.232127	19.252	7.034856
8631	SULF1	17.2876	2.259868	0.701873	3.219766	0.001283	0.003952	3.252518	8.758589	5.565851	35.71403	36.36488	14.06971
18290	LOC103215	3.29889	2.259153	1.757936	1.285117	0.198751	0.28889	0	0	3.478657	11.16063	2.139111	3.014938
5140	NRL	33.35113	2.258358	0.490153	4.607455	4.08E-06	2.11E-05	13.01007	7.663765	13.91463	42.41041	74.86887	48.23901
21418	RNF183	1.09401	2.255819	2.767599	0.815082	0.415026	0.515149	0	0.094824	0	4.464254	0	1.004979
17543	LOC119623	2.37											



7516	MMRN2	21.1268	2.252657	0.633966	3.553278	0.00038	0.001346	4.336691	5.474118	12.52316	22.32127	44.92132	37.18424
18794	LOC103222	2.627914	2.251775	1.847375	1.218906	0.22288	0.315274	0	0	2.782925	6.696381	4.278221	2.009959
69	KRT8	15828.74	2.250481	0.083457	26.96571	3.73E-160	1.44E-157	5544.459	5562.799	5387.048	26245.35	24751.65	27481.16
11218	TAS2R4	9.529278	2.249265	0.872661	2.577479	0.009952	0.023586	2.168345	2.189647	5.565851	20.08914	17.11289	10.04979
14412	KIF19	11.73587	2.248134	1.158028	1.941347	0.052216	0.09632	0	0.547412	11.82743	22.32127	25.66933	10.04979
11956	LOC119615	10.78706	2.246962	0.931155	2.413091	0.015818	0.035172	2.168345	2.737059	6.261582	11.16063	36.36488	6.029877
7139	LOC103222	18.2413	2.246906	0.609934	3.683851	0.00023	0.000856	4.336691	7.116354	7.653045	31.24978	29.94755	29.1444
21159	LOC103245	1.332471	2.246382	2.621337	0.85696	0.391467	0.491854	0	0	1.391463	4.464254	2.139111	0
19590	CUNH4orf4	1.972441	2.245436	2.065339	1.0872	0.276949	0.375819	0	0	2.087194	4.464254	4.278221	1.004979
19591	LOC103222	1.972441	2.245436	2.065339	1.0872	0.276949	0.375819	0	0	2.087194	4.464254	4.278221	1.004979
11360	AR	11.64775	2.244724	0.881585	2.546238	0.010889	0.025483	2.710432	4.379295	4.87012	13.39276	38.50399	6.029877
16230	CT8L2	3.690031	2.244081	1.383953	1.6215	0.10491	0.171845	0.542086	0.547412	2.782925	6.696381	8.556443	3.014938
157	ST3GAL1	10177.05	2.242858	0.103231	21.72659	1.15E-104	1.95E-102	3550.124	3755.792	3346.468	16408.37	15348.12	18653.42
15894	ARHGAP25	3.450682	2.242822	1.330614	1.685554	0.091882	0.153685	1.084173	1.094824	1.391463	6.696381	6.417332	4.019918
18184	LOC119615	2.358447	2.242581	1.718497	1.304966	0.191904	0.280564	0	1.094824	1.391463	2.232127	6.417332	3.014938
21094	LOC119627	1.279941	2.242178	2.590309	0.865603	0.386708	0.487326	0	0	1.391463	0	4.278221	2.009959
21095	LOC119615	1.279941	2.242178	2.590309	0.865603	0.386708	0.487326	0	0	1.391463	0	4.278221	2.009959
13908	ACADL	7.673943	2.241106	1.104298	2.029439	0.042414	0.081073	2.168345	2.189647	3.478657	20.08914	17.11289	1.004979
18311	CALB2	2.409203	2.240751	1.749902	1.2805	0.200369	0.290892	1.084173	0	1.391463	6.696381	4.278221	1.004979
14298	LOC119615	5.219914	2.239749	1.141597	1.961944	0.049769	0.092538	2.168345	1.094824	2.087194	13.39276	8.556443	4.019918
14731	LOC119628	5.135491	2.239409	1.188993	1.88345	0.059639	0.107631	2.710432	0.547412	2.087194	4.464254	14.97377	6.029877
10543	TRIM54	14.66904	2.23938	0.81878	2.735021	0.006238	0.015729	0.542086	6.568942	8.348776	26.78552	25.66933	20.09959
13105	LIN28A	9.886525	2.239179	1.023936	2.186836	0.028755	0.058332	1.626259	0.547412	8.348776	8.928508	27.80844	12.05975
19987	LOC103245	1.771008	2.23868	2.170322	1.031497	0.302308	0.042104	0	1.094824	0.695731	6.696381	2.139111	0
11297	LOC119627	12.19365	2.237883	0.87429	2.559657	0.010478	0.024657	3.252518	4.379295	4.87012	24.5534	32.08666	4.019918
17482	LOC119627	3.03367	2.237765	1.581411	1.415043	0.157056	0.238836	1.084173	0	2.087194	4.464254	8.556443	2.009959
6371	PHKG1	27.83215	2.237491	0.560216	3.993982	6.50E-05	0.000271	11.9259	10.40082	6.261582	49.10679	64.17332	25.12449
15593	LOC119628	3.887443	2.237208	1.29297	1.730287	0.083579	0.142497	2.168345	1.094824	0.695731	8.928508	6.417332	4.019918
232	CAMK2B	1017.668	2.236444	0.117742	18.99443	1.90E-80	2.17E-78	333.9252	372.7874	363.8675	1624.988	1623.585	1786.853
96	SERPINE2	65575.03	2.236381	0.09151	24.43864	6.65E-132	1.84E-129	22815.33	24262.39	21803.53	106459.1	101671.9	116437.9
17950	LOC103245	3.92938	2.236149	1.654963	1.351177	0.176639	0.261612	0	0	4.174388	6.696381	10.69555	2.009959
19245	H1FOO	1.718477	2.236108	1.952539	1.145231	0.252113	0.348251	0	1.094824	0.695731	2.232127	4.278221	2.009959
19246	LOC103235	1.718477	2.236108	1.952539	1.145231	0.252113	0.348251	0	1.094824	0.695731	2.232127	4.278221	2.009959
10089	ADRA2B	11.61862	2.235969	0.787138	2.840632	0.004502	0.011864	2.168345	3.284471	6.957314	20.08914	17.11289	20.09959
15026	RIT2	7.604796	2.235593	1.22269	1.828422	0.067486	0.119401	0	1.094824	6.957314	11.16063	21.39111	5.024897
17278	LOC119620	3.710669	2.235592	1.537917	1.453649	0.146044	0.224712	1.084173	0	2.782925	6.696381	10.69555	1.004979
21015	TRNAF-GA	1.076732	2.235458	2.5468	0.877752	0.380078	0.480804	1.084173	0	0	2.232127	2.139111	1.004979
20206	LOC103245	1.919911	2.234906	2.244229	0.995846	0.319325	0.420136	0	0	2.087194	0	6.417332	3.014938
16144	LOC103235	4.351526	2.234393	1.363473	1.638752	0.101265	0.166757	0.542086	0.547412	3.478657	6.696381	12.83466	2.009959
13336	F2RL3	6.51944	2.234131	1.043488	2.141022	0.032272	0.064334	1.626259	1.094824	4.174388	15.62489	8.556443	8.039836
15499	LOC119626	4.109349	2.233489	1.280274	1.744539	0.081065	0.139049	1.084173	0.547412	2.782925	8.928508	4.278221	7.034856
11524	KCNK7	10.58882	2.233443	0.890173	2.508999	0.012107	0.027931	2.168345	3.284471	5.565851	13.39276	32.08666	7.034856
7109	MYLK2	24.19873	2.232369	0.604291	3.694196	0.000221	0.000825	10.84173	9.853413	4.174388	46.87467	51.33866	22.10955
12921	RNF39	10.14499	2.229794	1.005382	2.217857	0.026565	0.054653	0	3.831883	6.957314	15.62489	21.39111	13.06473
21217	LOC119627	1.316969	2.229682	2.629588	0.84792	0.396482	0.496677	0	0	1.391463	2.232127	4.278221	0
21218	LOC119625	1.316969	2.229682	2.629588	0.84792	0.396482	0.496677	0	0	1.391463	2.232127	4.278221	0
21220	BCL2L10	1.316969	2.229682	2.629588	0.84792	0.396482	0.496677	0	0	1.391463	2.232127	4.278221	0
21222	LINGO3	1.316969	2.229682	2.629588	0.84792	0.396482	0.496677	0	0	1.391463	2.232127	4.278221	0
4230	MEFV	48.11151	2.228826	0.428741	5.198539	2.01E-07	1.26E-06	23.30971	9.306001	18.08902	75.89232	87.70354	74.36848
21543	LOC119625	1.061229	2.228688	2.792069	0.798221	0.424742	0.524117	1.084173	0	0	0	4.278221	1.004979
21544	LOC103235	1.061229	2.228688	2.792069	0.798221	0.424742	0.524117	1.084173	0	0	0	4.278221	1.004979
590	NLRCS	541.3629	2.227669	0.162483	13.71016	8.83E-43	3.98E-41	182.141	169.1503	222.634	863.8331	806.4447	1003.974
5414	CALHM2	30.44015	2.227489	0.499993	4.455038	8.39E-06	4.12E-05	7.589209	13.6853	11.1317	53.57105	36.36488	60.29877
5459	LOC119625	36.33495	2.226844	0.501929	4.436571	9.14E-06	4.45E-05	8.673382	15.32753	13.91463	62.49956	83.42532	34.1693
5245	LOC119625	45.94942	2.225477	0.488479	4.555927	5.22E-06	2.64E-05	17.88885	12.59047	17.39328	1062.6778	91.98176	33.16432
19965	NPPB	1.755505	2.224836	2.148084	1.035731	0.300328	0.399911	0	1.094824	0.695731	4.464254	4.278221	0
17350	RTL4	3.493732	2.224479	1.545559	1.439272	0.150074	0.229954	1.084173	1.094824	1.391463	6.696381	10.69555	0
19326	LOC119615	2.176764	2.223125	1.965273	1.131204	0.257969	0.354865	1.084173	1.094824	0	4.464254	6.417332	0
12732	GRID1	8.90721	2.223105	0.987383	2.251513	0.024353	0.050847	0.542086	3.284471	5.565851	15.62489	21.39111	7.034856
2564	LOC119624	117.5452	2.22251	0.316182	7.029219	2.08E-12	2.15E-11	34.69353	31.20247	59.8329	198.6593	149.7377	231.1453
11463	LOC103245	9.355759	2.221754	0.880233	2.524051	0.011601	0.026905	2.168345	2.189647	5.565851	22.32127	12.83466	11.05477
20060	LOC119628	1.738227	2.221124	2.179324	1.01918	0.308117	0.40832	1.084173	0	0.695731	2.232127	6.417332	0
11330	LOC119620	9.288613	2.220878	0.870621	2.550914	0.010744	0.02521	1.626259	2.737059	5.565851	15.62489	17.11289	13.06473
1598	LOC103235	126.679	2.220323	0.247205	8.981718	2.67E-19	4.43E-18	39.5723	49.26706	45.91827	209.8199	190.3808	225.1154
11711	TLR7	11.24733	2.219476	0.898773	2.469451	0.013532	0.030719	0.542086	3.831883	7.653045	17.85702	23.53022	14.06971
20406	SEMG2	1.941436	2.219331	2.311339	0.960193	0.336958	0.43899	0	0	2.087194	0	8.556443	1.004979
14468	LOC119620	12.17132	2.218227	1.148959	1.930641	0.053527	0.098357	0	0.547412	12.52316	20.08914	27.80844	12.05975
102	BACE2	5710.487	2.216193	0.091337	24.26396	4.71E-130	1.23E-127	2041.497	2032.54	1996.053	9283.416	8817.414	10092
10287	LOC119627	13.39644	2.214892	0.793398	2.791652	0.005244	0.013552	3.252518	3.284471	7.653045	15.62489	38.50399	12.05975
1702	LOC103225	113.9998	2.214519	0.25401	8.71823	2.83E-18	4.41E-17	38.48813	37.77142	45.22254	180.8023	196.7982	184.9162
4430	TMEM178I	64.82817	2.214362	0.437763	5.058354	4.23E-07	2.54E-06	10.84173	21.34906	36.87376	124.9991	115.512	79.39338
1348													



21833	LOC10324	1.301466	2.212886	2.932207	0.754683	0.450439	0.548378	0	0	1.391463	0	6.417332	0
21834	LOC11962	1.301466	2.212886	2.932207	0.754683	0.450439	0.548378	0	0	1.391463	0	6.417332	0
21835	DYDC2	1.301466	2.212886	2.932207	0.754683	0.450439	0.548378	0	0	1.391463	0	6.417332	0
21836	CFAP161	1.301466	2.212886	2.932207	0.754683	0.450439	0.548378	0	0	1.391463	0	6.417332	0
21837	LOC10324	1.301466	2.212886	2.932207	0.754683	0.450439	0.548378	0	0	1.391463	0	6.417332	0
12368	LOC10323	11.49181	2.212481	0.950083	2.328725	0.019874	0.04272	0.542086	2.737059	9.044508	15.62489	29.94755	11.05477
5773	KLHL4	27.45529	2.212331	0.516056	4.286999	1.81E-05	8.34E-05	6.505036	13.13788	9.740239	40.17829	44.92132	50.24897
5231	PLXNA4	41.12013	2.212021	0.484751	4.56321	5.04E-06	2.56E-05	16.80468	10.40082	16.00182	87.05295	81.28621	35.17428
16527	LOC11962	3.807989	2.211611	1.408353	1.570352	0.116333	0.18712	1.626259	1.094824	1.391463	0	10.69555	8.039836
8827	APOB	14.4318	2.211263	0.698901	3.163914	0.001557	0.004688	2.710432	7.116354	5.565851	24.5534	23.53022	23.11453
13549	KLHL38	11.95669	2.211101	1.053622	2.09857	0.035855	0.070352	0.542086	0.547412	11.82743	20.08914	25.66933	13.06473
18577	LOC10322	2.611585	2.209881	1.78433	1.238493	0.215533	0.308427	1.626259	1.094824	0	8.928508	0	4.019918
3433	LOC10321	51.25628	2.209506	0.37353	5.915207	3.31E-09	2.57E-08	17.88885	15.87494	20.87194	78.12444	98.39909	76.37844
14507	GDAP1L1	6.745819	2.209305	1.148978	1.922843	0.0545	0.099874	4.336691	0	2.782925	15.62489	10.69555	7.034856
17818	LOC11962	2.802119	2.209039	1.607602	1.37412	0.169404	0.252742	0.542086	1.642235	0.695731	2.232127	10.69555	1.004979
19471	LOC10321	2.083489	2.208888	1.998671	1.105178	0.269082	0.367395	1.626259	0	0.695731	0	2.139111	8.039836
15155	SMIM38	5.453866	2.208374	1.223431	1.805066	0.071064	0.124662	1.084173	0.547412	4.174388	8.928508	14.97377	3.014938
9888	SOAT2	18.89452	2.207288	0.76471	2.886437	0.003896	0.010476	5.96295	1.094824	13.2189	33.4819	38.50399	21.10457
10402	LOC11962	12.8122	2.204659	0.797038	2.766067	0.005674	0.014501	3.252518	2.737059	7.653045	20.08914	32.08666	11.05477
14570	ARX	7.445892	2.203448	1.152605	1.911712	0.055913	0.102021	0.542086	0.547412	6.957314	15.62489	14.97377	6.029877
5485	MYOZ3	41.64991	2.203326	0.49897	4.415751	1.01E-05	4.88E-05	8.673382	10.94824	25.04633	71.42806	85.56443	48.23901
14837	GPR150	6.487865	2.202848	1.181623	1.864255	0.062286	0.111604	2.710432	3.284471	0.695731	6.696381	23.53022	2.009959
9661	TMEM82	15.53576	2.20277	0.748322	2.943612	0.003244	0.008927	4.336691	4.379295	7.653045	35.71403	32.08666	9.044815
273	TM4SF4	3259.859	2.202526	0.122778	17.93903	5.85E-72	5.69E-70	1261.435	968.9189	1262.057	5497.729	5037.606	5531.407
1596	RP1	124.966	2.202005	0.245004	8.987634	2.53E-19	4.21E-18	44.45108	44.88777	44.52681	183.0344	228.8848	204.0108
10686	ALDH3B2	10.47277	2.20159	0.816764	2.695503	0.007028	0.017485	2.710432	3.831883	4.87012	8.928508	21.39111	21.10457
16570	SNX32	5.461663	2.200564	1.408583	1.562254	0.118228	0.189675	0	1.642235	4.174388	6.696381	19.252	1.004979
12555	TFHD1	9.359211	2.200071	0.95977	2.29229	0.021889	0.046348	1.626259	2.737059	5.565851	13.39276	27.80844	5.024897
545	DTFB	403.8754	2.199942	0.155475	14.14977	1.87E-45	9.14E-44	138.7741	135.7581	160.0182	651.7811	637.455	699.4657
18402	FCRL4	2.414173	2.199774	1.740002	1.264237	0.206145	0.297814	0	0.547412	2.087194	6.696381	2.139111	3.014938
1110	APO16	202.2195	2.19865	0.209727	10.48339	1.03E-25	2.47E-24	74.80792	78.27989	62.61582	341.5154	363.6488	292.449
327	IL1R1	2126.75	2.198629	0.130773	16.81259	1.97E-63	1.60E-61	672.7292	901.5873	708.9503	3352.655	3366.96	3757.618
223	LOC10323	1261.524	2.19855	0.113528	19.36575	1.50E-83	1.79E-81	464.568	435.1924	456.3998	2006.682	1955.147	2251.154
17649	DEFB124	37.52666	2.197509	1.573364	1.39645	0.162579	0.244864	0	0.547412	3.478657	8.928508	8.556443	1.004979
3313	CADM2	62.19357	2.196907	0.364303	6.030445	1.64E-09	1.31E-08	20.59928	29.56024	16.00182	111.6063	106.9555	88.43819
10648	ZNF157	11.68228	2.195991	0.811669	2.705525	0.00682	0.017027	5.420864	2.737059	4.174388	15.62489	32.08666	10.04979
12823	LOC10324	7.835674	2.195819	0.982878	2.23407	0.025478	0.052823	1.084173	4.379295	2.782925	15.62489	17.11289	6.029877
14366	JSRP1	6.571707	2.194783	1.125949	1.949274	0.051263	0.094864	1.626259	0.547412	4.87012	13.39276	14.97377	4.019918
9325	NAALADL1	26.86358	2.194398	0.725495	3.024692	0.002489	0.007096	5.420864	3.284471	20.17621	71.42806	42.78221	18.08963
5132	SMOC1	36.33568	2.192894	0.475628	4.610522	4.02E-06	2.08E-05	9.215468	14.23271	15.30609	75.89232	64.17332	39.1942
12190	LOC10323	8.662995	2.19202	0.925589	2.368244	0.017873	0.038978	2.168345	1.642235	5.565851	11.16063	21.39111	10.04979
14404	LOC10322	6.503674	2.191618	1.128165	1.94264	0.05206	0.096085	1.626259	0.547412	4.87012	6.696381	19.252	6.029877
9574	NLRP12	16.01593	2.189618	0.737993	2.96699	0.003007	0.008351	5.420864	3.284471	8.348776	40.17829	27.80844	11.05477
18858	CXCL17	2.450313	2.189426	1.807821	1.211085	0.225863	0.318436	0.542086	0	2.087194	8.928508	2.139111	1.004979
19650	AOC1	2.547799	2.189388	2.031564	1.077686	0.281174	0.380407	2.710432	0	0	0	8.556443	4.019918
10161	LAMA2	17.80118	2.188846	0.775234	2.823465	0.004751	0.01243	1.626259	10.40082	6.957314	24.5534	49.19955	14.06971
16809	LOC11962	3.681499	2.188255	1.436152	1.523693	0.127585	0.201788	1.084173	2.737059	0	6.696381	8.556443	3.014938
9283	LOC10323	21.86917	2.187855	0.72059	3.036201	0.002396	0.006861	8.131296	1.642235	13.91463	26.78552	55.61688	25.12449
1688	SLC43A3	125.8984	2.187719	0.249958	8.752365	2.09E-18	3.29E-17	39.5723	49.26706	46.614	220.9806	216.0502	182.9063
18866	LOC11961	2.4511201	2.187107	1.807813	1.209808	0.226352	0.31896	0	0.547412	2.087194	8.928508	2.139111	1.004979
17953	COX4I2	3.060165	2.186389	1.619193	1.350296	0.176921	0.261972	0	0.547412	2.782925	4.464254	8.556443	2.009959
17954	CLDN5	3.060165	2.186389	1.619193	1.350296	0.176921	0.261972	0	0.547412	2.782925	4.464254	8.556443	2.009959
8236	MYO1F	23.32494	2.186286	0.655435	3.335628	0.000851	0.002747	7.589209	10.94824	6.261582	22.32127	72.72976	20.09959
8361	LOC10323	21.25384	2.186146	0.663574	3.294504	0.000986	0.003135	11.9259	4.379295	6.261582	31.24978	55.61688	18.08963
16725	LOC10323	3.259353	2.182709	1.41922	1.537964	0.124058	0.197194	0.542086	2.189647	0.695731	6.696381	6.417332	3.014938
16767	LOC10324	4.839032	2.182331	1.425921	1.530472	0.1259	0.199609	0	4.379295	0.695731	13.39276	8.556443	2.009959
16677	LOC10321	3.482312	2.18178	1.411786	1.545405	0.122248	0.194877	0.542086	1.094824	2.087194	4.464254	10.69555	2.009959
16548	SOX10	4.104839	2.180441	1.392404	1.565954	0.117359	0.188542	0	1.094824	3.478657	4.464254	8.556443	7.034856
8897	LOC10323	39.00117	2.180272	0.693199	3.145232	0.00166	0.004959	4.878777	8.211177	29.22072	44.64254	121.9293	25.12449
729	GRIN3B	295.2007	2.17769	0.172719	12.60832	1.90E-36	6.93E-35	101.3702	103.4608	116.8829	486.6037	451.3524	511.5345
17865	LOC10322	3.503837	2.177669	1.593281	1.366783	0.171693	0.255455	0.542086	1.094824	2.087194	4.464254	12.83466	0
8729	LOC11961	19.87226	2.17741	0.68179	3.193666	0.001405	0.004278	6.505036	7.663765	6.957314	35.71403	51.33866	11.05477
16136	LOC11962	10.17666	2.177164	1.327835	1.639635	0.101081	0.166522	0	0	11.1317	26.78552	17.11289	6.029877
15078	TMPRSS15	6.036133	2.176592	1.195755	1.820265	0.068719	0.121154	3.252518	1.094824	2.087194	2.232127	23.53022	4.019918
15495	LOC11962	8.080464	2.175108	1.246295	1.74526	0.08094	0.138869	0	0.547412	8.348776	11.16063	21.39111	7.034856
6924	ACTRT3	22.35474	2.174495	0.577544	3.765075	0.000166	0.000639	7.047123	5.474118	11.82743	35.71403	44.92132	29.1444
12422	TBX21	11.78757	2.174114	0.938484	2.316623	0.005024	0.043925	0.542086	3.284471	9.044508	17.85702	29.94755	10.04979
4429	SLC5A1	52.57182	2.172053	0.429361	5.058807	4.22E-07	2.53E-06	17.88885	10.94824	28.52499	87.05295	102.6773	68.3386
14197	GUCA1B	6.357078	2.171976	1.098361	1.97747	0.047989	0.089862	2.168345	0.547412	4.174388	13.39276	12.83466	5.024897
2159	SERTAD4	143.3518	2.171395	0.283074	7.670765	1.71E-14	2.11E-13	44.45108	73.35318	37.56949	252.2303	237.4413	215.0656
2468	TMEM71	95.1951	2.169926	0.302817	7.16581	7.73E-13	8.33E-12	41.74065	33.392				



285	ARRDC4	1464.635	2.168871	0.122038	17.77208	1.16E-70	1.08E-68	481.3727	605.9849	512.0583	2345.965	2320.935	2521.493
13633	NOBOX	7.860264	2.168864	1.041793	2.081857	0.037356	0.07284	5.96295	1.642235	0.695731	17.85702	14.97377	6.029877
12996	KLK7	23.02771	2.168585	0.983918	2.204029	0.027522	0.0563	1.084173	0.547412	23.65487	40.17829	55.61688	17.08465
210	MYRF	2338.441	2.167057	0.109246	19.83653	1.44E-87	1.82E-85	801.2037	940.4535	814.7014	3685.242	3702.801	4086.247
12429	LOC103214	9.518114	2.167025	0.935819	2.315645	0.020578	0.044015	0.542086	4.379295	5.565851	11.16063	21.39111	14.06971
11864	BMX	10.31192	2.166611	0.890228	2.43377	0.014942	0.033483	1.626259	3.284471	6.261582	22.32127	21.39111	7.034856
18085	FGB	2.602105	2.165812	1.634752	1.324857	0.185219	0.272272	1.626259	1.094824	0	4.464254	6.417332	2.009959
13870	SPINK13	6.301248	2.165508	1.063485	2.036237	0.041727	0.079978	1.626259	3.831883	1.391463	15.62489	4.278221	11.05477
16879	SLC38A11	3.8724	2.164235	1.433425	1.509835	0.131086	0.206464	0	2.189647	2.087194	2.232127	10.69555	6.029877
9675	LOC119621	12.67896	2.163321	0.736512	2.937251	0.003311	0.009099	4.336691	3.831883	5.565851	29.01765	19.252	14.06971
17123	EDNRA	3.501897	2.16306	1.463824	1.477678	0.139494	0.216577	0	1.094824	2.782925	6.696381	6.417332	4.019918
16522	KLKB1	3.262547	2.162875	1.37678	1.570966	0.11619	0.186958	0.542086	1.642235	1.391463	6.696381	4.278221	5.024897
15272	KDR	4.361692	2.162424	1.211734	1.78457	0.074331	0.129398	1.084173	2.189647	1.391463	8.928508	8.556443	4.019918
14185	LOC119624	5.666352	2.162331	1.092373	1.979481	0.047762	0.089513	1.084173	1.642235	3.478657	8.928508	12.83466	6.029877
565	NCF4	396.6259	2.162244	0.154619	13.98431	1.94E-44	9.14E-43	138.7741	140.6848	156.5396	611.6028	641.7332	690.4209
871	KIRREL3	239.7262	2.161979	0.185044	11.68357	1.55E-31	4.72E-30	89.98634	86.49107	86.96642	386.158	363.6488	425.1063
18412	LOC119625	2.588377	2.160927	1.710781	1.263123	0.206545	0.298213	0.542086	2.189647	0	2.232127	8.556443	2.009959
8284	ASB12	20.02869	2.160856	0.651344	3.317534	0.000908	0.002914	3.252518	11.49565	6.957314	35.71403	40.6431	22.10955
17942	SERPINB7	3.057563	2.160545	1.597126	1.35277	0.176129	0.260979	2.710432	0.547412	0	8.928508	2.139111	4.019918
16706	LOC103221	3.485506	2.160388	1.401411	1.541581	0.123175	0.196014	0.542086	0.547412	2.782925	4.464254	8.556443	4.019918
16793	LOC119615	4.199533	2.160387	1.414654	1.527148	0.126724	0.200624	0.542086	0.547412	3.478657	8.928508	10.69555	1.004979
14274	LOC103231	5.409725	2.159195	1.098272	1.965993	0.049299	0.09183	2.710432	1.094824	2.087194	6.696381	12.83466	7.034856
346	B3GNT7	1061.215	2.159046	0.131148	16.46267	6.80E-61	5.23E-59	361.5716	414.3907	391.001	1732.131	1531.603	1936.595
18183	FATE1	2.180846	2.158893	1.654326	1.304998	0.191893	0.280564	0.542086	1.094824	0.695731	4.464254	4.278221	2.009959
306	CDH6	10869.13	2.158327	0.124547	17.32941	2.82E-67	2.45E-65	3597.827	4781.642	3555.883	17591.39	16948.17	18739.85
12515	OTOA	9.189774	2.157968	0.938815	2.298608	0.021527	0.045729	1.084173	2.737059	6.261582	15.62489	21.39111	8.039836
6925	LOC103235	31.6053	2.157825	0.573134	3.764961	0.000167	0.000639	4.878777	10.40082	19.48048	49.10679	70.59065	35.17428
6963	GRAP2	31.18595	2.15779	0.575275	3.750882	0.000176	0.000673	8.673382	9.853413	15.30609	64.73168	68.45154	20.09959
5375	ZNF835	30.02992	2.15707	0.48177	4.477387	7.56E-06	3.74E-05	13.55216	9.853413	9.740239	49.10679	40.6431	57.28383
15282	SLC38A4	6.540855	2.156574	1.209591	1.782895	0.074603	0.129782	0.542086	4.379295	2.087194	6.696381	23.53022	2.009959
18567	LOC119625	3.041835	2.156331	1.738522	1.240324	0.214856	0.307622	0	0	3.478657	4.464254	4.278221	6.029877
18953	LOC119618	2.166231	2.155636	1.805233	1.194104	0.232437	0.326035	0	1.642235	0.695731	2.232127	6.417332	2.009959
1344	LARGE1	195.5581	2.155595	0.221499	9.731863	2.21E-22	4.36E-21	66.13454	60.2153	89.74935	301.3371	327.2839	328.6283
16042	GDPD4	5.733333	2.155376	1.300057	1.657908	0.097336	0.161306	0	2.189647	4.174388	17.85702	2.139111	8.039836
11555	LOC103220	9.355293	2.154891	0.860695	2.503665	0.012291	0.028277	3.252518	2.737059	4.174388	13.39276	23.53022	9.044815
1799	LOC103240	108.9272	2.1547	0.25481	8.456107	2.76E-17	4.09E-16	41.19856	41.05589	37.56949	178.5702	173.268	181.9013
21148	TAAAR9	1.081701	2.154378	2.50996	0.858331	0.39071	0.491112	0	0.547412	0.695731	2.232127	0	3.014938
21149	GRXCR1	1.081701	2.154378	2.50996	0.858331	0.39071	0.491112	0	0.547412	0.695731	2.232127	0	3.014938
15660	LOC103221	4.072119	2.154179	1.250089	1.72322	0.084849	0.144042	2.168345	1.642235	0.695731	4.464254	6.417332	9.044815
424	C1QTNF6	533.577	2.154155	0.140077	15.37842	2.28E-53	1.43E-51	191.3565	191.0467	206.6322	848.2083	823.5576	940.6608
6883	LOC119621	39.93927	2.15406	0.569277	3.783851	0.000154	0.000596	7.589209	9.853413	26.43779	75.89232	87.70354	32.15934
10645	LOC103234	11.48503	2.153495	0.79548	2.707164	0.006786	0.016948	4.878777	2.189647	5.565851	13.39276	27.80844	15.07469
6692	LOC119621	23.00073	2.153018	0.557818	3.859715	0.000114	0.000451	6.505036	6.568942	12.52316	35.71403	38.50399	38.18922
17392	MUCL1	3.521647	2.152186	1.504564	1.430439	0.152591	0.23236	1.084173	0	2.782925	6.696381	8.556443	2.009959
17000	LOC119624	4.160564	2.151503	1.442019	1.492007	0.135697	0.212207	0	0.547412	4.174388	8.928508	4.278221	7.034856
16438	LOC119625	5.468053	2.151492	1.359615	1.582427	0.113552	0.183646	0	0.547412	5.565851	6.696381	14.97377	5.024897
18542	SPRN	3.761884	2.149494	1.727636	1.244182	0.213433	0.306011	0	0	4.174388	6.696381	10.69555	1.004979
6702	LOC119625	24.21767	2.149292	0.55768	3.853989	0.000116	0.000461	8.131296	8.211177	10.43597	55.80317	23.53022	39.1942
8811	WNT9B	28.43969	2.149222	0.677596	3.171835	0.001515	0.004571	8.131296	7.663765	15.30609	33.4819	91.98176	14.06971
178	CD24	20266.84	2.148751	0.102775	20.90733	4.59E-97	6.86E-95	6944.668	8494.189	6935.746	33225.21	33310.23	32690.98
6576	ARPP21	45.76823	2.148185	0.549389	3.910131	9.22E-05	0.000373	5.96295	18.612	25.74206	102.6778	83.42532	38.18922
14117	LOC119626	6.093468	2.147702	1.078802	1.990822	0.046501	0.08757	0.542086	2.737059	3.478657	8.928508	12.83466	8.039836
1482	LOC103221	171.9255	2.147672	0.230933	9.299982	1.40E-20	2.52E-19	71.5554	49.81448	68.87741	301.3371	254.5542	285.4142
16339	LOC119615	4.399252	2.147639	1.343936	1.598022	0.110038	0.179042	2.710432	0	2.087194	11.16063	6.417332	4.019918
7797	LOC103215	38.02275	2.147284	0.619496	3.46618	0.000528	0.0018	4.878777	8.758589	28.52499	55.80317	91.98176	38.18922
20300	LOC103241	1.487457	2.14695	2.194603	0.978286	0.327933	0.42947	1.084173	0.547412	0	0	4.278221	3.014938
18583	TPSG1	3.06336	2.146404	1.734572	1.237426	0.215929	0.30891	0	0	3.478657	4.464254	6.417332	4.019918
20115	LOC119625	1.727694	2.144789	2.123194	1.010171	0.312414	0.412901	0	0.547412	1.391463	0	6.417332	2.009959
15045	UPK3A	5.862082	2.14282	1.174009	1.825216	0.067968	0.120103	1.626259	3.284471	1.391463	4.464254	21.39111	3.014938
18797	LOC119615	3.100388	2.142362	1.758343	1.218398	0.223073	0.315497	0	0	3.478657	6.696381	6.417332	2.009959
12238	DCST2	8.261119	2.142115	0.908029	2.359083	0.01832	0.039797	1.626259	2.737059	4.87012	11.16063	17.11289	12.05975
11562	LOC119624	10.80477	2.142002	0.855947	2.502493	0.012332	0.028356	2.710432	5.474118	3.478657	29.01765	17.11289	7.034856
12520	PCP4L1	9.656391	2.141771	0.932191	2.297566	0.021587	0.045837	2.710432	1.642235	6.261582	15.62489	25.66933	6.029877
1256	TRPC7	181.6264	2.141567	0.214378	9.989672	1.69E-23	3.58E-22	57.46116	67.87906	76.53045	281.248	310.171	296.4689
1548	LOC103221	137.7768	2.141526	0.235568	9.090909	9.82E-20	1.69E-18	51.49821	49.81448	50.78839	252.2303	220.3284	202.0009
20959	CA6	1.489233	2.141497	2.422069	0.88416	0.37661	0.477703	0	1.642235	0	0	4.278221	3.014938
358	C1R	834.1107	2.141397	0.131575	16.27505	1.48E-59	1.10E-57	284.5953	320.7833	321.4279	1359.365	1232.128	1486.365
10345	LOC119621	13.17651	2.139645	0.770292	2.777705	0.005474	0.014068	2.168345	6.02153	6.261582	29.01765	23.53022	12.05975
15341	GRXCR2	5.216977	2.138627	1.206588	1.772458	0.076318	0.132255	1.084173	3.831883	0.695731	6.696381	14.97377	4.019918
833	JAG2	326.0075	2.138114	0.18025	11.86191	1.87E-32	5.96E-31	119.259	109.4824	134.9719	544.639	457.7697	589.9229
5796													



1784	ATG9B	171.2851	2.136628	0.251454	8.497081	1.94E-17	2.90E-16	60.17159	48.17224	82.79203	247.7661	314.4493	274.3594
8972	AQP3	17.14236	2.136571	0.683692	3.125051	0.001778	0.005268	5.420864	4.379295	9.044508	35.71403	34.22577	14.06971
1434	KCNH3	198.4357	2.136244	0.226552	9.429385	4.13E-21	7.65E-20	87.81799	55.28859	77.92191	325.8905	308.0319	335.6631
9878	TMC8	17.71125	2.136208	0.739897	2.887171	0.003887	0.010461	2.710432	3.284471	13.91463	29.01765	34.22577	23.11453
15187	LOC103225	7.293164	2.135256	1.187641	1.797898	0.072193	0.126367	0	3.831883	4.174388	15.62489	17.11289	3.014938
3505	TLR1	53.59939	2.133634	0.364704	5.85032	4.91E-09	3.72E-08	21.68345	18.06459	19.48048	93.74933	96.25998	72.35852
17219	HLNR	4.203615	2.133538	1.456591	1.464748	0.14299	0.220761	0	0.547412	4.174388	8.928508	8.556443	3.014938
12413	KRT74	8.318784	2.13095	0.919355	2.317877	0.020456	0.043807	2.168345	2.189647	4.87012	13.39276	19.252	8.039836
1837	ANKRD22	135.3748	2.129531	0.255002	8.351029	6.77E-17	9.79E-16	60.17159	38.31883	52.87558	220.9806	211.772	228.1303
238	SEMA4B	2017.546	2.129201	0.113395	18.77683	1.17E-78	1.31E-76	809.3349	708.3509	736.7795	3156.228	3069.624	3624.961
15139	LOC119615	4.7765	2.12857	1.177312	1.80799	0.070608	0.123992	0.542086	2.737059	2.087194	6.696381	8.556443	8.039836
19973	CUNH17orf	1.539988	2.127021	2.057285	1.033897	0.301184	0.40089	1.084173	0.547412	0	4.464254	2.139111	1.004979
4761	SHD	77.1624	2.126749	0.439664	4.837214	1.32E-06	7.35E-06	27.6464	10.94824	48.00546	140.624	126.2075	109.5428
13287	VSIG10L2	7.706104	2.126125	0.988511	2.150836	0.031489	0.063	2.710432	1.094824	4.87012	20.08914	6.417332	11.05477
11004	ACKR3	13.20814	2.126099	0.808884	2.628434	0.008578	0.020724	1.626259	6.02153	6.957314	26.78552	27.80844	10.04979
19307	TM4SF5	2.42339	2.126035	1.875468	1.133602	0.256961	0.353842	0	0	2.782925	4.464254	4.278221	3.014938
969	DMTN	320.0982	2.124918	0.190773	11.13844	8.15E-29	2.24E-27	108.4173	147.2538	101.5768	506.6928	556.1688	500.4798
14294	KLF14	8.180151	2.12338	1.082008	1.962444	0.049711	0.092456	3.252518	2.189647	3.478657	15.62489	23.53022	1.004979
11313	FCGR3A	11.95157	2.122664	0.830762	2.555079	0.010616	0.024948	2.710432	4.379295	6.261582	8.928508	36.36488	13.06473
21249	LOC119618	1.118729	2.121303	2.519564	0.841933	0.399826	0.500229	0	0.547412	0.695731	4.464254	0	1.004979
15253	CDCP2	7.024168	2.120854	1.186609	1.788105	0.073759	0.128557	0.542086	1.094824	6.261582	6.696381	23.53022	4.019918
14829	TRNAD-GU	5.509389	2.12085	1.136106	1.866772	0.061934	0.111033	2.168345	1.094824	2.782925	11.16063	12.83466	3.014938
466	LOC103236	562.1104	2.119462	0.142044	14.92112	2.40E-50	1.37E-48	203.8245	237.1759	199.6749	837.0476	990.4082	914.5313
8178	LOC103247	35.7218	2.118721	0.631808	3.353426	0.000798	0.002595	3.252518	9.306001	27.82925	60.26743	68.45154	45.22408
7721	LOC119621	29.39356	2.118177	0.607621	3.486017	0.00049	0.001688	6.505036	14.23271	11.82743	42.41041	81.28621	20.09959
7739	LOC119625	20.75675	2.117444	0.608261	3.481145	0.000499	0.001715	11.9259	5.474118	5.565851	37.94616	38.50399	25.12449
686	TSNARE1	397.2532	2.116619	0.164249	12.88663	5.35E-38	2.07E-36	137.1479	137.4004	172.5414	689.7272	624.6203	622.0823
15059	GPR34	5.732182	2.116543	1.160903	1.823187	0.068275	0.120532	0.542086	1.094824	4.87012	11.16063	10.69555	6.029877
3890	DLGAP3	84.24791	2.116065	0.387916	5.454962	4.90E-08	3.35E-07	29.81475	24.63353	39.65669	133.9276	201.0764	76.37844
3975	CFAP52	44.80132	2.115189	0.392209	5.393011	6.93E-08	4.63E-07	18.97302	15.32753	16.00182	64.73168	83.42532	70.34856
160	DEPTOR	2202.059	2.114379	0.097743	21.63212	8.96E-104	1.49E-101	823.4292	863.8158	792.438	3448.636	3544.506	3739.529
1002	RHO	240.1347	2.112847	0.192432	10.97973	4.78E-28	1.27E-26	76.43418	95.24966	99.48959	397.3186	374.3444	397.9719
148	SLC1A1	2489.724	2.112841	0.09505	22.22872	1.81E-109	3.26E-107	944.8565	941.5483	920.4526	3861.58	3993.72	4276.188
776	SLC22A18	1205.62	2.112392	0.172003	12.28111	1.14E-34	3.92E-33	531.7867	340.4901	488.4034	1899.54	1711.289	2262.209
2264	LZTS1	89.57984	2.111599	0.282429	7.47657	7.63E-14	8.96E-13	33.60935	31.74989	36.17803	131.6955	145.4595	158.7868
529	SGK2	901.4452	2.111514	0.148037	14.26347	3.70E-46	1.86E-44	401.1439	289.0334	326.9937	1455.347	1358.335	1577.818
16332	CCDC83	4.478278	2.111016	1.319858	1.599426	0.109726	0.17861	1.626259	0.547412	2.782925	15.62489	4.278221	2.009959
447	PDE1B	646.5758	2.110089	0.139419	15.13487	9.54E-52	5.67E-50	252.0702	226.0811	253.2462	1058.028	943.3478	1146.682
9004	ADPRHL1	16.33176	2.109978	0.677403	3.114804	0.001841	0.005435	4.878777	7.116354	6.261582	17.85702	42.78221	19.09461
16906	LOC103230	7.328723	2.109165	1.401361	1.505083	0.132303	0.208048	0	0	8.348776	15.62489	14.79377	5.024897
19558	TTPA	2.444915	2.109025	1.935817	1.089475	0.275944	0.375025	0	0	2.782925	4.464254	6.417332	1.004979
4107	LRR4C8	80.88177	2.108845	0.398566	5.291074	1.22E-07	7.87E-07	19.51511	20.80165	51.48412	122.767	156.1551	114.5677
16354	CLRN3	4.684375	2.107398	1.320762	1.595593	0.11058	0.179758	1.626259	2.737059	0.695731	15.62489	6.417332	1.004979
2609	CYTH4	78.51867	2.106884	0.302555	6.963645	3.32E-12	3.38E-11	27.10432	29.56024	32.69937	113.8385	126.2075	141.7021
17721	LOC119626	2.627712	2.105663	1.524565	1.381156	0.167231	0.250879	1.084173	1.094824	0.695731	4.464254	6.417332	2.009959
5662	CNGB1	31.64473	2.105631	0.485044	4.341117	1.42E-05	6.66E-05	13.01007	9.853413	12.52316	66.96381	51.33866	36.17926
13560	LOC119628	8.387442	2.105559	1.004013	2.097142	0.035981	0.070542	1.626259	2.189647	5.565851	13.39276	23.53022	4.019918
1393	NR3C2	290.807	2.105208	0.220396	9.551921	1.27E-21	2.43E-20	104.0806	143.4219	81.40057	439.729	455.6306	520.5794
1615	GCNT4	182.2061	2.105179	0.235509	8.938839	3.93E-19	6.47E-18	55.29281	62.40495	89.05362	301.3371	303.7537	281.3943
10667	KIAA2012	13.16292	2.105065	0.779689	2.699878	0.006936	0.017288	7.589209	2.189647	4.87012	22.32127	29.94755	12.05975
12504	VWDE	10.52586	2.104108	0.914662	2.300422	0.021424	0.045545	1.626259	3.284471	6.957314	11.16063	32.08666	8.039836
10012	LOC119628	18.7986	2.103995	0.736139	2.858148	0.004261	0.011315	3.252518	6.02153	11.82743	35.71403	44.92132	11.05477
9440	NECTIN4	22.78847	2.103665	0.701456	2.998997	0.002709	0.007628	3.252518	7.116354	15.30609	44.64254	51.33866	15.07469
11086	LRR7C1	13.6687	2.103287	0.806365	2.608357	0.009098	0.021815	5.96295	4.926706	4.174388	24.5534	36.36488	6.029877
18358	LOC103235	2.205566	2.102883	1.653115	1.272073	0.203347	0.294476	0.542086	0.547412	1.391463	4.464254	4.278221	2.009959
18913	LOC119623	2.206453	2.102785	1.750148	1.20149	0.229561	0.322682	0	1.094824	1.391463	4.464254	4.278221	2.009959
20869	EFCAB1	1.103227	2.100822	2.345997	0.895492	0.370524	0.471942	0	0.547412	0.695731	2.232127	2.139111	1.004979
20870	LOC103217	1.103227	2.100822	2.345997	0.895492	0.370524	0.471942	0	0.547412	0.695731	2.232127	2.139111	1.004979
20871	LOC119627	1.103227	2.100822	2.345997	0.895492	0.370524	0.471942	0	0.547412	0.695731	2.232127	2.139111	1.004979
20872	LOC103225	1.103227	2.100822	2.345997	0.895492	0.370524	0.471942	0	0.547412	0.695731	2.232127	2.139111	1.004979
11203	LOC103248	17.24517	2.100609	0.81358	2.581935	0.009825	0.023313	2.710432	13.13788	3.478657	51.33892	10.69555	22.10955
11478	LOC119615	9.653195	2.100505	0.833133	2.521214	0.011695	0.027088	2.168345	3.284471	5.565851	17.85702	14.97377	14.06971
329	LOC119623	1070.693	2.100317	0.125292	16.76343	4.52E-63	3.65E-61	382.713	447.2355	386.1309	1707.577	1617.168	1883.332
7599	ABCC11	24.52485	2.100011	0.595496	3.52649	0.000421	0.001473	9.757555	6.02153	11.82743	31.24978	64.17332	24.11951
6119	DGKI	62.75581	2.099916	0.510834	4.110763	3.94E-05	0.000171	11.38381	18.612	41.04815	116.0706	141.1813	48.23901
16156	DEUP1	4.788545	2.099605	1.283547	1.635784	0.101885	0.167653	0.542086	2.737059	2.087194	2.232127	17.11289	4.019918
19735	LOC119628	2.294412	2.099522	1.97519	1.062947	0.287806	0.387703	0	0	2.782925	2.232127	8.556443	1.004979
16985	LOC103235	7.223661	2.097583	1.403083	1.494981	0.134919	0.211195	0	0	8.348776	6.696381	19.252	9.044815
17054	LOC119628	3.698881	2.096822	1.41048	1.486602	0.13712	0.213753	0	2.189647	2.087194	4.464254	6.417332	7.034856
16189	LOC103217	5.78702	2.096639	1.287532	1.628417	0.103437	0.16986	1.084173	0	5.565851	15.62		



16816	LOC103235	3.752464	2.095104	1.375811	1.522814	0.127805	0.202052	1.084173	1.642235	1.391463	6.696381	10.69555	1.004979
4493	LOC119625	76.88477	2.095017	0.417789	5.014538	5.32E-07	3.15E-06	29.27266	12.59047	45.91827	120.5349	145.4595	107.5328
18519	LOC119625	2.190063	2.094969	1.678306	1.248264	0.211934	0.304243	0.542086	0.547412	1.391463	2.232127	6.417332	2.009959
10954	SH2D3A	12.07193	2.094279	0.793686	2.638676	0.008323	0.0202	3.794605	5.474118	4.174388	17.85702	32.08666	9.044815
14556	RASL11B	6.829705	2.094245	1.093663	1.91489	0.055507	0.101377	1.084173	4.379295	2.087194	11.16063	19.252	3.014938
13257	UCN3	7.417677	2.094174	0.970989	2.156744	0.031026	0.062217	2.710432	2.189647	3.478657	6.696381	21.39111	8.039836
17124	GDF5	6.636222	2.094143	1.417378	1.477477	0.139548	0.216648	0	0	7.653045	11.16063	14.97377	6.029877
13362	RFX6	7.931157	2.093425	0.980694	2.134636	0.032791	0.06524	2.168345	3.831883	2.782925	13.39276	21.39111	4.019918
15854	LOC103245	4.139889	2.092712	1.237932	1.69049	0.090934	0.152484	2.168345	1.094824	1.391463	4.464254	10.69555	5.024897
10014	KCNQ4	14.56767	2.092487	0.732243	2.857642	0.004268	0.011331	5.96295	6.02153	4.174388	31.24978	29.94755	10.04979
18355	LOC103245	2.578376	2.092194	1.644006	1.27262	0.203153	0.294243	1.084173	0.547412	1.391463	0	6.417332	6.029877
222	HSPB8	1517.945	2.09215	0.107922	19.38569	1.02E-83	1.22E-81	560.5173	597.2263	574.6741	2339.269	2380.83	2655.156
11150	DSC3	13.66172	2.09168	0.806862	2.592363	0.009532	0.022727	2.710432	7.663765	4.87012	22.32127	36.36488	8.039836
16345	LOC119625	4.357774	2.091587	1.310073	1.596542	0.110368	0.179512	2.710432	2.189647	0	8.928508	4.278221	8.039836
17037	TNFRSF11E	3.053941	2.090878	1.405545	1.487593	0.136858	0.213557	1.084173	1.642235	0.695731	4.464254	6.417332	4.019918
491	CRACDL	612.2539	2.090811	0.142095	14.71419	5.23E-49	2.83E-47	239.0601	253.4517	205.9365	997.7608	924.0958	1053.218
14953	UNC13C	6.628743	2.089382	1.132628	1.844721	0.065078	0.115703	1.626259	1.642235	4.174388	8.928508	21.39111	2.009959
12580	LOC103218	11.83178	2.089344	0.913189	2.287964	0.02214	0.046787	1.084173	2.189647	10.43597	13.39276	27.80844	16.07967
17737	LOC103218	5.925653	2.089341	1.516022	1.378173	0.16815	0.252037	0	0	6.957314	13.39276	2.139111	13.06473
16365	LOC103245	3.717743	2.087926	1.309316	1.594669	0.110786	0.179973	1.626259	0.547412	2.087194	4.464254	8.556443	5.024897
20420	DEFB123	1.543183	2.086419	2.17693	0.958423	0.33785	0.439828	1.084173	0	0.695731	4.464254	0	3.014938
6467	LOC119625	24.11905	2.086197	0.527831	3.952398	7.74E-05	0.000318	9.215468	10.40082	7.653045	44.64254	40.6431	32.15934
18116	HHLA2	3.315703	2.085997	1.582547	1.318127	0.187461	0.275082	0	1.642235	2.087194	4.464254	10.69555	1.004979
21365	CUNH3orf5	1.087724	2.085445	2.538073	0.821665	0.411268	0.511715	0	0.547412	0.695731	0	4.278221	1.004979
21367	LOC119615	1.087724	2.085445	2.538073	0.821665	0.411268	0.511715	0	0.547412	0.695731	0	4.278221	1.004979
21368	LOC103235	1.087724	2.085445	2.538073	0.821665	0.411268	0.511715	0	0.547412	0.695731	0	4.278221	1.004979
10875	LOC103215	12.30921	2.084164	0.785019	2.654921	0.007933	0.01939	7.589209	2.737059	3.478657	22.32127	25.66933	12.05975
20749	LOC119625	1.954961	2.083939	2.288418	0.910646	0.362482	0.464436	2.168345	0	0	0	8.556443	1.004979
12383	LOC103235	13.09136	2.083047	0.895551	2.325994	0.020019	0.042978	3.794605	5.474118	5.565851	4.464254	49.19955	10.04979
293	LTBP3	1597.578	2.082741	0.11827	17.61004	2.06E-69	1.87E-67	594.6687	594.4892	644.943	2482.125	2365.856	2903.386
248	CASTOR2	1285.914	2.081826	0.112296	18.53875	1.01E-76	1.08E-74	497.6353	478.9853	499.5351	2109.36	1905.948	2224.02
10305	LOC119625	14.83227	2.080883	0.74654	2.787368	0.005314	0.013709	7.047123	2.737059	6.957314	31.24978	29.94755	11.05477
16549	GPR88	4.622199	2.080716	1.328778	1.565888	0.117375	0.188555	0	3.831883	1.391463	8.928508	8.556443	5.024897
5178	SP7	44.08987	2.080524	0.453196	4.590779	4.42E-06	2.27E-05	13.01007	16.42235	20.87194	58.0353	106.9555	49.24399
14095	LOC103235	9.200301	2.08052	1.042921	1.994896	0.046054	0.086864	1.084173	3.831883	5.565851	4.464254	34.22577	6.029877
11388	ASIC4	18.68217	2.080195	0.819079	2.539675	0.011096	0.025902	3.252518	2.189647	16.00182	37.94616	40.6431	12.05975
8272	SELENBP1	17.13393	2.078435	0.625682	3.321871	0.000894	0.002874	5.420864	6.02153	8.348776	33.4819	21.39111	28.13943
7997	RIPPLY3	20.63726	2.078203	0.608863	3.413253	0.000642	0.002134	8.131296	10.94824	4.174388	37.94616	38.50399	24.11951
14863	TMEM215	5.914716	2.077921	1.116982	1.8603	0.062843	0.112406	1.626259	1.642235	3.478657	4.464254	19.252	5.024897
18541	LOC119625	2.685213	2.077817	1.670004	1.244199	0.213426	0.306011	0	1.642235	1.391463	8.928508	21.39111	2.009959
19548	LOC119625	1.528568	2.077646	1.904382	1.090982	0.275281	0.374377	0.542086	0.547412	0.695731	2.232127	2.139111	3.014938
1078	LYNX1	293.1078	2.077413	0.195642	10.61843	2.45E-26	6.03E-25	98.11763	140.1374	98.09812	466.5145	483.439	472.3404
16713	OPRM1	4.882186	2.077198	1.349149	1.539636	0.123649	0.196683	0	2.737059	2.782925	8.928508	12.83466	2.009959
8555	LOC119625	15.72244	2.07678	0.641065	3.239577	0.001197	0.00372	6.505036	5.474118	6.261582	24.5534	21.39111	30.14938
5659	LOC119625	66.09883	2.07641	0.478165	4.342453	1.41E-05	6.62E-05	24.93597	9.306001	41.74388	129.4634	119.7902	71.35354
20282	SERPINB11	1.767917	2.075938	2.114807	0.981621	0.326287	0.427686	0	0	2.087194	2.232127	4.278221	2.009959
14469	PI15	6.661002	2.075418	1.075111	1.930422	0.053555	0.0984	1.084173	1.094824	5.565851	15.62489	8.556443	8.039836
13226	CFAP77	6.995591	2.07527	0.959073	2.163829	0.030478	0.061261	3.252518	3.284471	1.391463	11.16063	12.83466	10.04979
16008	NRSN2	4.878636	2.075211	1.247892	1.662974	0.096318	0.159958	2.168345	0.547412	2.782925	8.928508	12.83466	2.009959
744	DPF3	368.5374	2.075077	0.165792	12.51613	6.09E-36	2.18E-34	139.8583	157.1072	127.3188	611.6028	541.195	634.142
18058	PI16	2.684325	2.073987	1.556184	1.332739	0.182618	0.26885	0.542086	1.094824	1.391463	8.928508	2.139111	2.009959
152	LOC103225	5804.261	2.073897	0.094517	21.94203	1.03E-106	1.81E-104	2271.884	2242.199	2172.073	9426.272	8629.172	10083.96
16043	LOC103235	4.638399	2.071296	1.24944	1.657779	0.097362	0.16134	3.252518	0.547412	1.391463	8.928508	10.69555	3.014938
1081	FA2H	207.1006	2.070244	0.195462	10.59153	3.26E-26	8.02E-25	85.64965	72.25836	81.40057	325.8905	333.7013	343.703
14924	LOC103245	5.504939	2.069741	1.118875	1.849841	0.064336	0.114606	2.168345	3.284471	0.695731	11.16063	10.69555	5.024897
13942	LOC103218	6.38976	2.069728	1.022138	2.024902	0.042877	0.08176	2.168345	1.094824	4.174388	11.16063	10.69555	9.044815
2782	TNFRSF18	178.1066	2.069518	0.307624	6.727425	1.73E-11	1.65E-10	80.77087	38.86624	86.96642	314.7299	209.6328	337.6731
12844	LOC103225	11.15718	2.069353	0.92804	2.229811	0.02576	0.053319	1.084173	2.737059	9.044508	26.78552	19.252	8.039836
1211	LOC103225	454.9983	2.069266	0.204489	10.1192	4.54E-24	9.97E-23	166.9626	127.547	231.6785	725.4413	782.9145	695.4458
21660	FGFBP1	1.687838	2.068643	2.643392	0.782571	0.433879	0.532533	0	0	2.087194	0	0	8.039836
14150	LOC103245	8.236336	2.068333	1.041819	1.985309	0.04711	0.08851	1.084173	2.737059	5.565851	15.62489	21.39111	3.014938
13832	PALMD	7.512737	2.068309	1.012069	2.043645	0.040989	0.07878	3.252518	0.547412	4.87012	13.39276	14.97377	8.039836
7378	MUSK	23.98241	2.067989	0.57316	3.608047	0.000309	0.001112	9.757555	7.663765	10.43597	53.57105	19.252	43.21412
17284	HAO1	5.887571	2.067057	1.422827	1.452781	0.146284	0.225004	0	0.547412	6.261582	20.08914	6.417332	2.009959
7226	LOC103245	25.98457	2.066551	0.564749	3.659241	0.000253	0.000931	5.420864	8.211177	16.69755	46.87467	38.50399	40.19918
15291	FPR2	5.32303	2.066055	1.160216	1.78075	0.074953	0.130314	0.542086	2.737059	2.782925	11.16063	10.69555	4.019918
14380	DMC1	6.220385	2.065763	1.060391	1.948114	0.051401	0.095028	3.252518	1.642235	2.087194	15.62489	10.69555	4.019918
14013	GPX2	6.376033	2.065059	1.027097	2.010579	0.04437	0.084177	1.084173	2.189647	4.174388	8.928508	12.83466	9.044815
3492	LOC119625	156.3018	2.064996	0.352141	5.864119	4.52E-09	3.44E-08	35.23561	82.11177	62.61582	249.9982	355.0924	152.7569
20995	LOC119625	1.804945	2.063548	2.347175	0.879162	0.379313	0.480307	0	0	2.087194	4.464254	4.278221	0
17820	HOXD10	3.3344	2.063396	1.501857	1.373897								



19459	SLC36A3	2.415745	2.060372	1.858532	1.108602	0.267602	0.3656	0	2.737059	0	4.464254	4.278221	3.014938
14771	RGMA	8.174325	2.060261	1.096923	1.878219	0.060351	0.108621	1.084173	2.737059	5.565851	6.696381	29.94755	3.014938
12814	NLRP6	12.30488	2.059892	0.921248	2.23598	0.025353	0.0526	2.168345	1.642235	10.43597	29.01765	23.53022	7.034856
19502	LOC103241	1.972239	2.059658	1.87071	1.101003	0.270895	0.369299	1.084173	1.094824	0	2.232127	6.417332	1.004979
11266	ALDH8A1	12.50163	2.059296	0.802471	2.566195	0.010282	0.024263	5.420864	2.737059	6.261582	11.16063	36.36488	13.06473
854	NECTIN1	309.2995	2.059008	0.17511	11.7584	6.39E-32	1.99E-30	109.5014	125.3573	125.2316	524.5498	438.5177	532.6391
11530	LOC103232	11.29578	2.05819	0.820738	2.507731	0.012151	0.028017	2.710432	2.737059	7.653045	20.08914	23.53022	11.05477
2171	INSC	130.8756	2.056017	0.268441	7.6591	1.87E-14	2.29E-13	57.46116	41.6033	52.17985	249.9982	218.1893	165.8216
20978	TAS2R10	1.752414	2.05564	2.331005	0.881869	0.377848	0.478839	0	0	2.087194	0	6.417332	2.009959
2968	LOC119626	71.28406	2.055327	0.317789	6.467591	9.96E-11	8.92E-10	28.18849	27.37059	27.82925	93.74933	121.9293	128.6374
2077	CELF5	127.7524	2.055053	0.262005	7.843574	4.38E-15	5.61E-14	40.65648	55.28859	52.17985	198.6593	243.8586	175.8714
20587	LOC119627	1.513952	2.054455	2.187566	0.939151	0.347653	0.448942	0	1.094824	0.695731	0	4.278221	3.014938
14904	LOC119627	6.328637	2.054252	1.108065	1.85391	0.063752	0.113718	1.626259	1.642235	4.174388	2.232127	19.252	9.044815
16715	LOC119626	3.518617	2.053713	1.334014	1.539499	0.123683	0.196704	2.168345	0.547412	1.391463	6.696381	4.278221	6.029877
455	LOC103221	767.8001	2.05306	0.136402	15.05154	3.37E-51	1.97E-49	303.0263	306.5506	286.6413	1241.063	1086.668	1382.852
19270	CD74	2.246676	2.052546	1.79871	1.141121	0.25382	0.350135	0	0.547412	2.087194	6.696381	2.139111	2.009959
12055	HAPLN2	15.62608	2.051224	0.856143	2.39589	0.01658	0.036564	2.710432	1.642235	13.91463	33.4819	29.94755	12.05975
21117	PCDH8	1.789442	2.050918	2.379348	0.861966	0.388706	0.489334	0	0	2.087194	2.232127	6.417332	0
21118	TMEM204	1.789442	2.050918	2.379348	0.861966	0.388706	0.489334	0	0	2.087194	2.232127	6.417332	0
12566	NXPE2	9.052878	2.049628	0.894978	2.290144	0.022013	0.046571	3.252518	4.926706	2.087194	15.62489	21.39111	7.034856
6522	PRAM1	31.46867	2.049561	0.521373	3.931085	8.46E-05	0.000345	7.589209	13.6853	15.30609	40.17829	74.86887	37.18424
10899	SAG	12.91291	2.049282	0.773058	2.650879	0.008028	0.019581	3.252518	5.474118	6.261582	35.71403	10.69555	16.07967
15902	SMIM24	5.585324	2.04879	1.216512	1.68415	0.092153	0.154064	1.084173	0.547412	4.87012	11.16063	12.83466	3.014938
1864	CSF1R	129.0187	2.048698	0.247672	8.271805	1.32E-16	1.88E-15	42.82482	52.00412	56.35424	185.2665	224.6066	213.0556
10046	LOC119615	12.57044	2.047944	0.718161	2.851649	0.004349	0.01151	4.336691	6.02153	4.174388	24.5534	19.252	17.08465
5146	LOC119626	35.3434	2.047654	0.444566	4.605961	4.11E-06	2.12E-05	11.9259	16.96977	12.52316	60.26743	47.06043	63.31371
5182	SRGAP3	44.83123	2.047221	0.446199	4.588131	4.47E-06	2.29E-05	14.09425	13.6853	24.3506	93.74933	74.86887	48.23901
8711	LOC119614	16.79183	2.047221	0.639932	3.199122	0.001378	0.004207	7.589209	5.474118	6.261582	31.24978	32.08666	18.08963
12127	CCDC144A	12.11108	2.046847	0.860208	2.37948	0.017337	0.038007	5.420864	4.926706	3.478657	11.16063	40.6431	7.034856
11105	SORBS2	16.23898	2.045813	0.785662	2.603936	0.009216	0.022063	2.168345	8.211177	8.348776	29.01765	40.6431	9.044815
15480	TMEM100	6.676658	2.045395	1.16994	1.74829	0.080414	0.138105	0	4.926706	2.782925	15.62489	10.69555	6.029877
7571	ERIC6	26.68578	2.044175	0.578326	3.534644	0.000408	0.001434	7.047123	12.04306	11.82743	33.4819	70.59065	25.12449
268	SLC9A3R1	4074.927	2.044098	0.113457	18.01657	1.44E-72	1.43E-70	1483.148	1826.166	1462.427	6497.722	6271.872	6908.229
3773	LOC103230	67.47627	2.043921	0.366841	5.571686	2.52E-08	1.78E-07	16.80468	0.01283	33.39511	91.51721	132.6249	101.5029
19216	LOC103246	2.231173	2.043722	1.775345	1.151169	0.249663	0.34538	0	0.547412	2.087194	4.464254	4.278221	2.009959
8404	LOC119625	24.42501	2.043412	0.622262	3.281955	0.001031	0.003261	8.131296	3.831883	16.69755	49.10679	40.6431	28.13943
13561	LOC103247	6.769541	2.04317	0.974315	2.097031	0.035991	0.070556	3.252518	3.284471	1.391463	8.928508	10.69555	13.06473
2048	ADGRF5	104.3027	2.043129	0.259055	7.886856	3.10E-15	4.02E-14	39.03022	39.41365	43.83108	171.8738	166.8506	164.8166
14023	LOC119628	7.280665	2.04284	1.017071	2.008553	0.044585	0.084524	3.252518	0.547412	4.87012	13.39276	8.556443	13.06473
17330	SSTR4	5.19507	2.042763	1.414981	1.443667	0.148833	0.228316	0	0.547412	5.565851	15.62489	6.417332	3.014938
17171	LOC103237	4.838872	2.04257	1.387867	1.471733	0.141093	0.21844	0	2.189647	3.478657	2.232127	17.11289	4.019918
4188	LOC103235	55.53846	2.042221	0.390179	5.234063	1.66E-07	1.05E-06	14.63633	21.89647	28.52499	109.3742	83.42532	75.37346
2381	TTYH1	118.7669	2.041987	0.279644	7.302087	2.83E-13	3.16E-12	42.82482	35.03436	61.92009	198.6593	188.2417	185.9212
6704	ARHGAP45	48.60017	2.041978	0.529989	3.85287	0.000117	0.000463	22.22554	5.474118	29.22072	95.98146	83.42532	55.27387
14042	NGFR	7.272593	2.041737	1.017645	2.006336	0.04482	0.084856	2.168345	2.737059	3.478657	6.696381	23.53022	5.024897
2849	LPAR6	70.87373	2.041371	0.308561	6.615784	3.70E-11	3.45E-10	27.10432	26.82318	29.22072	118.3027	111.2338	112.5577
16211	LOC119627	4.320318	2.041191	1.255614	1.625653	0.104024	0.170596	1.084173	2.737059	1.391463	2.232127	6.417332	12.05975
413	CD82	2174.277	2.040907	0.131372	15.5353	2.00E-54	1.29E-52	923.7152	733.5318	896.102	3408.458	3125.241	3958.614
12232	LOC119615	9.05341	2.040478	0.864538	2.360194	0.018265	0.039698	4.878777	2.737059	2.782925	15.62489	19.252	9.044815
12607	DRD1	8.171558	2.039257	0.893879	2.281357	0.022527	0.047505	2.168345	3.831883	3.478657	13.39276	17.11289	9.044815
1169	SOX13	243.8826	2.038231	0.198484	10.26901	9.72E-25	2.21E-23	84.56547	107.2927	95.3152	415.1756	335.8404	425.1063
8455	ZBTB32	20.17681	2.037755	0.623741	3.266992	0.001087	0.003418	4.336691	11.49565	7.653045	44.64254	27.80844	25.12449
17483	LOC119618	3.912064	2.035542	1.43894	1.414612	0.157182	0.239014	3.252518	0	1.391463	2.232127	8.556443	8.039836
17335	LOC103227	3.082743	2.034236	1.410506	1.442203	0.149245	0.228883	0.542086	1.094824	2.087194	4.464254	4.278221	6.029877
17449	CA9	3.116576	2.034034	1.433949	1.418484	0.15605	0.237754	0.542086	1.642235	1.391463	6.696381	6.417332	2.009959
8015	ATP1A2	42.25978	2.033901	0.596819	3.47901	0.000655	0.002171	5.96295	9.306001	34.78657	60.26743	91.98176	51.25395
15879	QPRT	4.649391	2.033255	1.204459	1.688107	0.091391	0.153009	2.168345	1.094824	2.087194	6.696381	12.83466	3.014938
16171	FGL1	4.581192	2.032573	1.245241	1.632273	0.102622	0.16871	0.542086	2.189647	2.782925	2.232127	10.69555	9.044815
6387	ZNF415	32.02945	2.032512	0.510253	3.983341	6.80E-05	0.000283	9.215468	14.78012	13.2189	69.19594	55.61688	30.14938
13009	METTL21C	9.783564	2.032243	0.922708	2.202476	0.027632	0.056468	4.336691	2.737059	4.174388	15.62489	27.80844	4.019918
18925	LOC103215	3.582305	2.031693	1.693727	1.19954	0.023018	0.323564	2.710432	0	1.391463	6.696381	10.69555	0
1836	SMPDL3A	309.0043	2.031658	0.243092	8.357576	6.40E-17	9.27E-16	90.52842	174.077	98.79385	544.639	487.7172	458.2706
1651	TRANK1	141.599	2.031036	0.229534	8.848535	8.87E-19	1.43E-17	52.04029	58.57306	57.04997	216.5163	218.1893	247.2249
13713	LOC103237	14.64357	2.030356	0.982462	2.066601	0.038772	0.075166	0	5.474118	11.82743	17.85702	40.6431	12.05975
10411	ST8SIA2	14.72273	2.030019	0.734524	2.763722	0.005715	0.014593	3.794605	4.379295	9.044508	31.24978	27.80844	12.05975
16764	ENPP7	9.290533	2.028633	1.325147	1.530874	0.125801	0.199511	0	0	11.1317	11.16063	21.39111	12.05975
322	SERPINA6	922.0833	2.028508	0.12008	16.89291	5.07E-64	4.19E-62	357.2349	374.9771	358.3017	1495.525	1362.613	1583.848
13364	IL3RA	9.765895	2.02719	0.950037	2.1338	0.032859	0.065367	1.084173	2.189647	8.348776	13.39276	23.53022	10.04979
17848	LOC119626	5.828755	2.026148	1.479846	1.369161	0.170949	0.254632	0	0	6.957314	11.16063	12.83466	4.019918
18590	SELENOP	2.641899	2.026117	1.638741	1.236386	0.216315	0.309331	0	1.094824	2.087194	2.232127	6.417332	4.019918
9099	LOC103227	22.80833	2.025387	0.656776	3.083835	0.0							



17707	LOC119619	3.084683	2.025042	1.463933	1.383289	0.166576	0.250095	1.084173	1.094824	1.391463	2.232127	10.69555	2.009959
10819	DUOX1	19.71877	2.024318	0.759272	2.666129	0.007673	0.018855	2.168345	7.116354	13.91463	42.41041	40.6431	12.05975
174	TM4SF1	44188.77	2.024282	0.095779	21.1349	3.80E-99	5.81E-97	16839.91	19376.19	16097.83	71349.94	72269.85	69198.87
239	NLGN1	3732.627	2.024226	0.108179	18.71178	3.97E-78	4.42E-76	1395.33	1673.985	1349.023	6008.886	5929.615	6038.922
240	RP56KA3	18607.63	2.024181	0.108286	18.69294	5.65E-78	6.26E-76	6996.167	8418.646	6616.405	29234.17	29066.24	31314.16
7010	ATOH8	23.99729	2.023733	0.542647	3.729372	0.000192	0.000728	10.84173	6.02153	11.82743	35.71403	36.36488	43.21412
9365	LOC119624	15.93202	2.02357	0.671223	3.014752	0.002572	0.0073	3.794605	9.306001	5.565851	29.01765	27.80844	20.09959
15245	LOC103234	6.429188	2.023508	1.130997	1.789137	0.073593	0.128335	0.542086	2.189647	4.87012	6.696381	19.252	5.024897
18990	IL13RA2	1.976321	2.023228	1.704928	1.186694	0.235348	0.329458	0.542086	1.094824	0.695731	2.232127	4.278221	3.014938
18509	CD164L2	3.378399	2.023219	1.619314	1.249429	0.211508	0.303746	0.542086	3.284471	0	11.16063	4.278221	1.004979
318	ALDH1L1	1967.141	2.023205	0.11883	17.02597	5.27E-65	4.41E-63	837.5234	689.7389	805.6569	3046.853	2966.946	3456.124
212	SLC17A3	1706.968	2.023193	0.102233	19.79004	3.63E-87	4.55E-85	703.6281	664.5579	654.6832	2584.803	2800.096	2834.042
2205	LOC103227	124.7094	2.023108	0.266331	7.96205	3.05E-14	3.68E-13	44.45108	62.40495	41.04815	196.4272	181.8244	222.1005
14673	LOC119627	8.434861	2.022703	1.068285	1.893411	0.058303	0.105636	4.336691	5.474118	0	22.32127	6.417332	12.05975
12382	LOC103224	12.25668	2.022553	0.869541	2.326001	0.020018	0.042978	6.505036	4.379295	3.478657	4.464254	40.6431	14.06971
20820	MSTN	1.535478	2.021797	2.242	0.901783	0.367172	0.468841	0	1.094824	0.695731	0	6.417332	1.004979
17542	GNA14	4.391485	2.02175	1.434442	1.409433	0.158707	0.240521	0	0.547412	4.87012	4.464254	6.417332	10.04979
14712	LOC103225	6.203401	2.021712	1.070622	1.888353	0.058979	0.106576	0.542086	2.737059	4.174388	11.16063	8.556443	10.04979
10456	NOS2	14.04662	2.021294	0.733753	2.754734	0.005874	0.014935	3.252518	4.926706	8.348776	29.01765	25.66933	13.06473
7181	LOC103215	21.53225	2.020577	0.5504	3.671106	0.000242	0.000894	9.757555	8.211177	7.653045	29.01765	36.36488	38.18922
11005	LOC119627	14.9598	2.020432	0.768726	2.628287	0.008582	0.020731	6.505036	6.568942	4.174388	31.24978	34.22577	7.034856
11666	IZUMO1R	12.00404	2.019565	0.814945	2.47816	0.013206	0.030095	1.626259	4.926706	7.653045	20.08914	25.66933	12.05975
20353	LOC119627	1.53459	2.019276	2.085138	0.968413	0.332838	0.434709	0.542086	0.547412	0.695731	0	6.417332	1.004979
20354	SPATA4	1.53459	2.019276	2.085138	0.968413	0.332838	0.434709	0.542086	0.547412	0.695731	0	6.417332	1.004979
20355	LOC119627	1.53459	2.019276	2.085138	0.968413	0.332838	0.434709	0.542086	0.547412	0.695731	0	6.417332	1.004979
13962	LOC103247	7.399546	2.018766	0.999747	2.019276	0.043458	0.082749	2.168345	1.642235	4.87012	17.85702	12.83466	5.024897
9894	LOC103240	13.28977	2.017088	0.698914	2.886031	0.003901	0.010483	5.96295	5.474118	4.174388	26.78552	19.252	18.08963
16749	HOXD11	4.055929	2.016134	1.31483	1.53338	0.125182	0.198697	2.168345	1.094824	1.391463	13.39276	4.278221	2.009959
8879	LRFN2	20.93854	2.015222	0.640067	3.148456	0.001641	0.004915	4.336691	6.02153	14.61036	40.17829	36.36488	24.11951
2080	LOC103236	245.0508	2.014632	0.257115	7.835523	4.67E-15	5.97E-14	113.2961	74.44801	105.0554	444.1933	260.9715	472.3404
2478	MCHR1	130.5035	2.014609	0.281556	7.155277	8.35E-13	8.96E-12	46.61943	68.42648	39.65669	247.7661	177.5462	203.0059
10268	CAPN11	17.75604	2.014226	0.720314	2.796315	0.005169	0.013383	5.96295	3.284471	11.82743	22.32127	47.06043	16.07967
12092	MUCL3	10.74516	2.013694	0.843068	2.388531	0.016916	0.037191	3.794605	3.831883	4.87012	24.5534	21.39111	6.029877
4976	TMEM229I	37.56234	2.013463	0.428397	4.699992	2.60E-06	1.39E-05	17.88885	11.49956	15.30609	62.49956	59.8951	58.28881
18395	TGM5	3.173189	2.013067	1.590824	1.265424	0.205719	0.297312	0	1.642235	2.087194	11.16063	2.139111	2.009959
1500	LOC103247	162.4793	2.01244	0.217644	9.246487	2.32E-20	4.11E-19	69.92914	64.59459	58.44144	254.4625	280.2235	247.2249
6526	MYO15A	31.97196	2.012215	0.512251	3.928183	8.56E-05	0.000349	14.09425	7.116354	16.69755	53.57105	64.17332	36.17926
9627	CPLX4	20.09017	2.01191	0.681171	2.953607	0.003141	0.008673	3.794605	4.926706	15.30609	40.17829	34.22577	22.10955
12697	LOC119619	8.729875	2.01139	0.890107	2.259719	0.023839	0.049914	2.710432	2.737059	4.87012	22.32127	10.69555	9.044815
3697	LOC119627	59.50262	2.010208	0.356195	5.643566	1.67E-08	1.20E-07	22.22554	22.44388	26.43779	73.66019	119.7902	92.45811
9514	LOC119627	19.90136	2.009675	0.674309	2.980348	0.002879	0.008045	4.336691	9.306001	9.740239	40.17829	42.78221	13.06473
5910	ESPN	38.21071	2.009101	0.477567	4.206948	2.59E-05	0.000116	13.55216	10.94824	20.87194	60.26743	83.42532	40.19918
15085	ZAR1L	7.982346	2.008541	1.10417	1.81905	0.068904	0.121432	5.96295	0	3.478657	11.16063	19.252	8.039836
16957	LOC119619	4.228193	2.008324	1.340346	1.498362	0.134039	0.210145	2.168345	2.737059	0	11.16063	4.278221	5.024897
9382	ZNF280A	19.89387	2.007593	0.666551	3.011911	0.002596	0.007356	4.336691	5.474118	13.91463	40.17829	36.36488	19.09461
13498	CRYBG2	10.27451	2.006041	0.95191	2.107384	0.035084	0.0691	1.626259	1.642235	9.044508	15.62489	25.66933	8.039836
15559	CD300A	7.788839	2.004542	1.155653	1.734554	0.08282	0.141511	0	4.379295	4.87012	8.928508	23.53022	5.024897
10772	CCR10	16.92991	2.004123	0.74942	2.674234	0.00749	0.018485	3.252518	3.831883	13.2189	24.5534	40.6431	16.07967
15123	TEX38	5.731778	2.00186	1.106235	1.809615	0.070355	0.123656	2.710432	3.284471	0.695731	6.696381	14.97377	6.029877
294	PDE2A	1356.869	2.001749	0.113942	17.56812	4.32E-69	3.91E-67	522.0292	526.0628	581.6314	2087.039	2072.798	2351.652
20796	LOC119627	1.51626	2.001681	2.212251	0.904816	0.365563	0.467325	0.542086	0	1.391463	0	2.139111	5.024897
15274	LOC103230	7.152327	2.000813	1.121369	1.784258	0.074382	0.129464	0	4.379295	4.174388	15.62489	10.69555	8.039836
19780	LOC119619	1.996071	2.000579	1.893831	1.056366	0.290801	0.390847	1.626259	0	0.695731	2.232127	6.417332	1.004979
15132	ACMSD	5.785502	1.999865	1.105482	1.809044	0.070444	0.123762	1.084173	1.094824	4.87012	8.928508	10.69555	8.039836
3561	GAL3ST1	58.57533	1.999652	0.344989	5.796283	6.78E-09	5.06E-08	23.8518	19.70683	27.13352	89.28508	91.98176	99.49297
3136	SNCB	80.12108	1.999405	0.320458	6.239209	4.40E-10	3.73E-09	29.27266	37.224	29.91645	93.74933	151.8769	138.6872
10573	LOC103226	15.77063	1.999296	0.732771	2.728406	0.006364	0.016003	8.131296	2.737059	8.348776	11.16063	32.08666	32.15934
15486	LOC119627	5.153758	1.999225	1.144401	1.746963	0.080644	0.138442	1.626259	1.642235	2.782925	11.16063	10.69555	3.014938
1768	S1PR1	182.9438	1.999134	0.233999	8.54336	1.30E-17	1.96E-16	56.91907	91.41777	71.66033	290.1765	275.9453	311.5436
14339	TNNI1	11.63384	1.997478	1.02201	1.95446	0.050647	0.093894	0.542086	1.094824	12.52316	22.32127	19.252	14.06971
21993	PDE6G	1.090919	1.997185	2.739736	0.72897	0.46602	0.563333	0	0	1.391463	0	2.139111	3.014938
9887	LOC103247	21.05345	1.997153	0.69186	2.886642	0.003894	0.01047	3.794605	5.474118	16.00182	40.17829	42.78221	18.08963
16088	AWAT2	6.25625	1.99715	1.211628	1.648319	0.099287	0.164069	1.084173	5.474118	0.695731	11.16063	17.11289	2.009959
8398	BMP3	19.59434	1.996767	0.60827	3.282698	0.001028	0.003254	4.878777	8.758589	9.740239	35.71403	36.36488	22.10955
7962	LOC103226	20.013	1.996376	0.583501	3.421376	0.000623	0.00208	8.673382	8.758589	6.261582	40.17829	32.08666	24.11951
12227	ATP4A	10.31071	1.996147	0.8454	2.361188	0.018216	0.039608	3.252518	2.737059	6.261582	22.32127	19.252	8.039836
8442	LOC119627	21.83454	1.994384	0.609683	3.271184	0.001071	0.003373	8.673382	4.926706	12.52316	35.71403	47.06043	22.10955
26599	LOC119627	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
26886	LOC103238	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
27086	LOC119624	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
27779	LOC119627	0.450948	1.9										



28630	LOC103215	0.425341	1.994089	4.056411	0.491589	0.62301	NA	0.542086	0	0	0	0	2.009959
28634	LOC119620	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
28922	LOC103227	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
28945	LOC103234	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
28963	LOC103234	0.426228	1.994089	4.056411	0.491589	0.62301	NA	0	0.547412	0	0	0	2.009959
29263	LOC119625	0.425341	1.994089	4.056411	0.491589	0.62301	NA	0.542086	0	0	0	0	2.009959
29489	LOC119625	0.450948	1.994089	4.056411	0.491589	0.62301	NA	0	0	0.695731	0	0	2.009959
29532	LOC119625	0.426228	1.994089	4.056411	0.491589	0.62301	NA	0	0.547412	0	0	0	2.009959
12472	LOC103247	9.387808	1.993887	0.864553	2.306262	0.021096	0.044968	2.168345	5.474118	3.478657	22.32127	12.83466	10.04979
19161	MRGPREF	2.424963	1.993346	1.72029	1.158726	0.246568	0.342083	0	2.189647	0.695731	2.232127	6.417332	3.014938
19229	LOC103214	2.013349	1.993261	1.734785	1.148996	0.250558	0.346408	0.542086	1.094824	0.695731	4.464254	4.278221	1.004979
18999	LOC119620	2.645094	1.993126	1.681944	1.185013	0.236012	0.330248	0	0.547412	2.782925	2.232127	4.278221	6.029877
963	LOC119627	2175.065	1.992957	0.17871	11.15189	7.01E-29	1.94E-27	607.1367	1117.815	894.7105	3709.795	3506.002	3214.929
11801	LGALS2	13.40975	1.992894	0.813822	2.448808	0.014333	0.032289	4.878777	2.737059	8.348776	20.08914	36.36488	8.039836
8306	ADD2	20.23034	1.992715	0.601723	3.311684	0.000927	0.002968	5.420864	7.116354	11.82743	31.24978	40.6431	25.12449
20264	A1BG	1.554175	1.992007	2.021636	0.985344	0.324455	0.425621	0	0.547412	1.391463	2.232127	2.139111	3.014938
13030	LOC103215	9.205176	1.991983	0.905866	2.19898	0.027879	0.056882	2.710432	3.284471	4.87012	20.08914	19.252	5.024897
18135	LOC103247	3.777869	1.990965	1.513567	1.315412	0.188371	0.276143	1.626259	2.737059	0	4.464254	12.83466	1.004979
17217	LOC103247	9.129059	1.990325	1.35836	1.465241	0.142855	0.220584	0	0	11.1317	8.928508	25.66933	9.044815
10265	NRG2	23.32981	1.990209	0.711558	2.796974	0.005158	0.01336	2.710432	6.02153	19.48048	46.87467	42.78221	22.10955
13371	LOC103237	8.008309	1.989831	0.93333	2.131971	0.033009	0.065631	3.252518	2.737059	3.478657	11.16063	21.39111	6.029877
2222	RSPH4A	108.9545	1.989703	0.263139	7.56142	3.99E-14	4.77E-13	47.7036	36.12918	48.00546	171.8738	171.1289	178.8863
20052	LOC119615	2.218865	1.987957	1.94844	1.020282	0.307595	0.40781	0	0	2.782925	2.232127	4.278221	4.019918
12167	ACAP1	12.35303	1.987479	0.837716	2.372498	0.017668	0.038605	4.878777	2.189647	7.653045	24.5534	27.80844	7.034856
2550	LOC103217	85.72804	1.987404	0.281693	7.055219	1.72E-12	1.80E-11	34.69353	32.84471	36.17803	133.9276	139.0422	137.6822
5239	LOC119615	48.54629	1.986897	0.435741	4.559809	5.12E-06	2.60E-05	24.39389	14.78012	18.78475	78.12444	106.9555	48.23901
13443	LOC103234	7.816887	1.986724	0.937814	2.118462	0.034136	0.067508	4.878777	1.642235	2.782925	17.85702	10.69555	9.044815
19343	RPP38-DT	1.997847	1.985888	1.760532	1.128004	0.259318	0.356406	0.542086	1.094824	0.695731	2.232127	6.417332	1.004979
4496	LOC103247	46.9743	1.985489	0.396099	5.012614	5.37E-07	3.18E-06	20.0572	20.25424	16.00182	66.96381	96.25998	62.30873
1469	PTGS2	196.4067	1.98544	0.212815	9.329431	1.06E-20	1.93E-19	78.60252	80.46954	80.00911	272.3195	295.1973	371.8424
21605	LOC119624	1.127947	1.984837	2.513838	0.789564	0.429782	0.52875	0	0	1.391463	2.232127	2.139111	1.004979
21606	LOC119628	1.127947	1.984837	2.513838	0.789564	0.429782	0.52875	0	0	1.391463	2.232127	2.139111	1.004979
21607	LOC103247	1.127947	1.984837	2.513838	0.789564	0.429782	0.52875	0	0	1.391463	2.232127	2.139111	1.004979
21608	LOC119627	1.127947	1.984837	2.513838	0.789564	0.429782	0.52875	0	0	1.391463	2.232127	2.139111	1.004979
21609	NTF4	1.127947	1.984837	2.513838	0.789564	0.429782	0.52875	0	0	1.391463	2.232127	2.139111	1.004979
597	ANOS1	597.4806	1.984794	0.145551	13.63641	2.43E-42	1.08E-40	237.4338	270.9688	214.981	946.4218	892.0091	1023.069
9545	LOC119627	17.42775	1.98374	0.667073	2.973798	0.002941	0.008192	4.878777	8.211177	7.653045	31.24978	38.50399	14.06971
11584	LOC119627	13.92961	1.983339	0.793908	2.498198	0.012483	0.028647	4.336691	3.284471	9.044508	26.78552	32.08666	8.039836
14877	LOC119625	5.343832	1.98287	1.067216	1.857984	0.063171	0.112845	2.168345	2.189647	2.087194	11.16063	6.417332	8.039836
15104	TNFRSF8	5.703802	1.982784	1.093496	1.813252	0.069793	0.122847	1.084173	3.831883	2.087194	4.464254	10.69555	12.05975
18753	LOC103214	2.474831	1.98277	1.619766	1.224109	0.220911	0.313172	1.626259	0.547412	0.695731	6.696381	4.278221	1.004979
15867	LOC119627	4.625723	1.981334	1.17354	1.68834	0.091346	0.152972	2.710432	2.189647	0.695731	6.696381	6.417332	9.044815
11398	PLPP4	13.29221	1.981139	0.780801	2.537315	0.011171	0.026055	4.878777	2.737059	8.348776	33.4819	19.252	11.05477
19329	LOC103216	2.461991	1.980967	1.753029	1.130025	0.258466	0.355492	0	2.189647	0.695731	4.464254	6.417332	1.004979
7630	SP6	29.58271	1.979112	0.563048	3.515	0.00044	0.001532	13.55216	6.02153	16.00182	58.0353	57.75599	26.12947
722	CFB	348.984	1.978583	0.15644	12.64755	1.15E-36	4.25E-35	143.6529	146.7064	133.5804	537.9426	556.1688	575.8532
7882	LOC103220	20.87707	1.977506	0.573789	3.446399	0.000568	0.001916	7.047123	10.40082	7.653045	31.24978	42.78221	26.12947
397	CA2	1014.432	1.977327	0.125741	15.72541	1.01E-55	6.78E-54	419.0328	366.7659	448.7467	1647.31	1512.351	1692.385
12097	ESRP2	13.84037	1.97681	0.828061	2.387275	0.016974	0.037302	4.878777	6.02153	5.565851	15.62489	44.92132	6.029877
15111	LOC119625	5.605594	1.976064	1.090911	1.811388	0.070081	0.123294	1.084173	2.189647	3.478657	11.16063	10.69555	5.024897
19046	TCF21	2.666619	1.97519	1.677402	1.177529	0.238984	0.333526	0	0.547412	2.782925	2.232127	6.417332	4.019918
10380	TFR2	16.37824	1.973632	0.712614	2.769569	0.005613	0.014375	3.252518	5.474118	11.1317	31.24978	32.08666	15.07469
4363	DNAH2	97.54065	1.973191	0.386505	5.10522	3.30E-07	2.01E-06	34.15144	28.46541	55.65851	151.7846	226.7457	88.43819
10388	SLC12A3	15.81548	1.972342	0.712457	2.768366	0.005634	0.014418	2.710432	8.758589	7.653045	22.32127	36.36488	17.08465
19042	FEN2	2.71915	1.971253	1.673416	1.177982	0.238804	0.3334	0	0.547412	2.782925	6.696381	4.278221	2.009959
541	DDND2A	692.6203	1.971176	0.139024	14.17873	1.24E-45	6.10E-44	305.1946	245.7879	294.9901	1046.868	1093.086	1169.796
1351	GPC3	189.1586	1.970646	0.202872	9.713758	2.63E-22	5.18E-21	79.6867	77.73248	72.35606	305.8014	323.0057	276.3694
20808	CD96	1.538672	1.970539	2.181711	0.903208	0.366416	0.468134	0	0.547412	1.391463	0	4.278221	3.014938
1550	GPR137C	155.109	1.96974	0.216864	9.082818	1.06E-19	1.81E-18	61.25576	63.49977	64.70302	258.9267	231.024	251.2449
14495	LOC119620	7.851119	1.969705	1.022779	1.925836	0.054125	0.099269	1.626259	1.642235	6.261582	11.16063	21.39111	5.024897
20180	LOC119627	2.240391	1.969311	1.969172	1.000071	0.317276	0.417957	0	0	2.782925	2.232127	6.417332	2.009959
8213	LOC119624	19.89317	1.967744	0.588717	3.342426	0.00083	0.002688	9.757555	6.568942	7.653045	40.17829	32.08666	23.11453
9348	MAP3K7CL	19.11349	1.966765	0.65144	3.019105	0.002535	0.00721	4.336691	6.02153	13.2189	22.32127	40.6431	28.13943
12842	LOC103215	9.143428	1.966471	0.881646	2.230456	0.025717	0.053239	2.168345	4.926706	4.174388	20.08914	6.417332	17.08465
18987	TBX1	2.4456	1.966247	1.656465	1.187014	0.235222	0.329351	0.542086	1.642235	0.695731	2.232127	8.556443	1.004979
3349	LOC119625	65.89984	1.965767	0.327949	5.994122	2.05E-09	1.62E-08	28.73058	29.01283	22.95914	107.1421	91.98176	115.5726
8767	TNS4	26.1992	1.965072	0.617484	3.182385	0.001461	0.004429	8.131296	8.211177	15.30609	60.26743	49.19955	16.07967
6464	SEMA6D	29.68446	1.964904	0.497029	3.953298	7.71E-05	0.000317	8.673382	14.78012	12.52316	51.33892	55.61688	35.17428
14705	PKD1L3	7.117037	1.964068	1.039375	1.889664	0.058803	0.106309	1.626259	5.474118	1.391463	8.928508	19.252	6.029877
18408	GP6	2.887863	1.963153	1.553375	1.263799	0.206302	0.297927	2.168345	0	1.391463	4.464254	4.278221	5.024897
18693	ELSPBP1	4.480781	1.962164	1.595298	1.229967	0.218709	0.311046	0	0	5.565851	4.464254	12.83466	4.019918
7522	PRPH	31.43829	1.960839	0.552059	3.551866	0.000383	0.001352	9.215468	13.6853	15.30609	37		



22087	LOC103236	1.112444	1.960324	2.755394	0.71145	0.476806	0.573803	0	0	1.391463	0	4.278221	1.004979
22088	RAG2	1.112444	1.960324	2.755394	0.71145	0.476806	0.573803	0	0	1.391463	0	4.278221	1.004979
22089	LOC103227	1.112444	1.960324	2.755394	0.71145	0.476806	0.573803	0	0	1.391463	0	4.278221	1.004979
22091	LOC119627	1.112444	1.960324	2.755394	0.71145	0.476806	0.573803	0	0	1.391463	0	4.278221	1.004979
9194	SCX	18.73337	1.960094	0.641382	3.056049	0.002243	0.006485	7.047123	7.116354	9.044508	40.17829	12.83466	36.17926
478	VAMP8	1023.912	1.960065	0.1322	14.82649	9.88E-50	5.49E-48	458.6051	354.7229	443.1809	1685.256	1578.664	1623.042
371	RBMA7	3433.224	1.959403	0.121501	16.12664	1.66E-58	1.19E-56	1273.903	1657.016	1282.233	5488.8	5266.49	5630.9
1207	LOC119624	563.6688	1.958718	0.19337	10.1294	4.09E-24	9.01E-23	298.6896	171.3399	221.2426	881.6902	966.878	842.1728
16269	SH2D1A	5.2187	1.957928	1.213006	1.614112	0.106503	0.174036	1.626259	0.547412	4.174388	13.39276	8.556443	3.014938
14834	GNG3	6.056542	1.957678	1.04973	1.864934	0.062191	0.111456	1.084173	2.189647	4.174388	11.16063	10.69555	7.034856
4405	DNAH17	68.59765	1.957344	0.385497	5.077452	3.83E-07	2.31E-06	19.51511	32.84471	31.30791	102.6778	151.8769	73.3635
15999	LOC119627	4.684276	1.957028	1.174787	1.665858	0.095742	0.159091	2.710432	2.189647	0.695731	8.928508	8.556443	5.024897
18433	CYP7A1	2.891414	1.956591	1.553666	1.259338	0.207908	0.299856	0	2.189647	1.391463	4.464254	4.278221	5.024897
21989	OSTN	0.888597	1.95636	2.681744	0.72951	0.46569	0.563025	0.542086	0.547412	0	2.232127	0	2.009959
218	TGFB2	10560.23	1.956088	0.100378	19.48727	1.41E-84	1.72E-82	4320.97	4610.302	4054.722	16028.9	15867.92	18478.56
13618	SLC22A31	7.132019	1.955967	0.937712	2.085893	0.036988	0.072208	2.168345	3.831883	2.782925	13.39276	8.556443	12.05975
21717	LOC119620	1.350079	1.955855	2.521713	0.775606	0.437982	0.536158	1.626259	0	0	4.464254	0	2.009959
201	C1S	3624.686	1.95545	0.097	20.15927	2.23E-90	2.95E-88	1528.684	1433.672	1498.605	5678.531	5394.837	6213.788
22788	LOC103227	0.924738	1.955149	3.286998	0.594813	0.551969	0.643939	1.084173	0	0	4.464254	0	0
16207	LOC103244	5.063997	1.953973	1.201552	1.626207	0.103906	0.17044	2.710432	2.737059	0.695731	2.232127	14.97377	7.034856
350	LOC103216	53005.29	1.953896	0.118929	16.42913	1.18E-60	8.99E-59	23885.41	19099.2	22266.88	81463.71	75581.2	95735.35
20849	SERPBN1C	2.224888	1.953719	2.17451	0.898464	0.368938	0.470441	0	0	2.782925	0	8.556443	2.009959
21021	NCBP2L	2.261916	1.953283	2.226809	0.877167	0.380396	0.481059	0	0	2.782925	2.232127	8.556443	0
10896	IGFALS	14.11311	1.952256	0.736381	2.65115	0.008022	0.019572	8.131296	2.189647	6.957314	26.78552	23.53022	17.08465
12931	TRNAI-AAI	9.540296	1.952248	0.880949	2.216075	0.026686	0.054865	5.96295	4.379295	1.391463	17.85702	8.556443	19.09461
8784	TMEM2007	20.23033	1.952141	0.614125	3.178736	0.001479	0.004477	5.96295	8.211177	10.43597	40.17829	38.50399	18.08963
18385	LOC119627	2.46341	1.952057	1.53991	1.267643	0.204925	0.296443	1.084173	0.547412	1.391463	4.464254	4.278221	3.014938
12946	NR4A3	8.968594	1.951297	0.881318	2.214067	0.026824	0.055084	1.626259	3.831883	5.565851	15.62489	17.11289	10.04979
22371	TRNAA-AG	0.889485	1.951033	2.942401	0.663075	0.507282	0.602812	0	1.094824	0	2.232127	0	2.009959
22372	LOC119627	0.889485	1.951033	2.942401	0.663075	0.507282	0.602812	0	1.094824	0	2.232127	0	2.009959
3938	RNF212	55.41731	1.951013	0.360326	5.414584	6.14E-08	4.15E-07	24.39389	19.15941	24.3506	95.98146	96.25998	72.35852
287	ATP6V1H	2374.524	1.95072	0.110268	17.69064	4.95E-70	4.59E-68	1071.163	936.0742	921.8441	3816.937	3478.194	4022.933
15613	MYOZ2	5.872551	1.950135	1.128964	1.727367	0.084102	0.143097	1.626259	3.284471	2.087194	13.39276	12.83466	2.009959
11416	ADCY4	19.80822	1.948772	0.769492	2.532543	0.011324	0.02637	2.168345	8.211177	13.91463	29.01765	53.47777	10.25975
11275	LOC119615	18.04751	1.948686	0.760218	2.563326	0.010367	0.024445	8.131296	6.02153	7.653045	31.24978	49.19955	6.029877
200	CTSA	5768.754	1.948239	0.096609	20.1663	1.94E-90	2.57E-88	2368.917	2425.034	2332.092	9158.417	8376.757	9951.307
14597	IL5RA	5.987682	1.948198	1.021709	1.906804	0.056546	0.102985	2.710432	3.284471	1.391463	8.928508	8.556443	11.05477
20477	LOC103236	1.5757	1.948025	2.049765	0.950365	0.341927	0.44392	0	0.547412	1.391463	2.232127	4.278221	1.004979
16244	CHST13	4.226877	1.947907	1.20393	1.617957	0.105672	0.172945	1.084173	2.737059	1.391463	6.696381	6.417332	7.034856
3939	LTC4S	76.47824	1.947808	0.359809	5.413453	6.18E-08	4.17E-07	36.86187	18.06459	39.65669	104.624	109.0946	114.5677
19173	LOC119615	2.44702	1.947629	1.682829	1.157354	0.247128	0.342664	1.626259	0	1.391463	2.232127	6.417332	3.014938
9791	POU2F3	15.25046	1.946882	0.669987	2.90585	0.003663	0.009945	4.336691	5.474118	9.044508	29.01765	23.53022	20.09959
16915	LOC119627	4.005277	1.94687	1.294625	1.50381	0.13263	0.208453	1.084173	0.547412	3.478657	4.464254	6.417332	8.039836
10918	CLDN11	16.78762	1.946347	0.735243	2.647217	0.008116	0.019762	6.505036	5.474118	8.348776	42.41041	29.94755	8.039836
3310	PIWIL2	68.5448	1.946236	0.322656	6.031928	1.62E-09	1.30E-08	25.47806	32.2973	26.43779	116.0706	115.512	95.47305
8095	APOL4	26.25383	1.945645	0.575265	3.382172	0.000719	0.002361	8.131296	8.758589	15.30609	40.17829	62.03421	23.11453
13964	SSTR1	10.44043	1.94532	0.963521	2.01897	0.04349	0.082792	1.626259	1.642235	9.740239	29.01765	8.556443	12.05975
16923	ARHGAP15	3.782318	1.944757	1.294053	1.502841	0.13288	0.208746	1.084173	1.642235	2.087194	6.696381	2.139111	9.044815
10567	VSX1	13.52183	1.944741	0.712577	2.729165	0.006349	0.015974	4.336691	8.211177	4.174388	15.62489	25.66933	23.11453
13639	LOC103227	10.14206	1.944173	0.934136	2.081253	0.037411	0.072921	3.794605	1.642235	6.957314	15.62489	27.80844	5.024897
22803	PATE3	0.926513	1.943811	3.285015	0.591721	0.554038	0.645837	0	1.094824	0	4.464254	0	0
22804	LOC119627	0.926513	1.943811	3.285015	0.591721	0.554038	0.645837	0	1.094824	0	4.464254	0	0
22805	LGSN	0.926513	1.943811	3.285015	0.591721	0.554038	0.645837	0	1.094824	0	4.464254	0	0
15697	LOC103215	5.444383	1.943798	1.131978	1.717169	0.085948	0.145565	1.084173	2.737059	2.782925	15.62489	6.417332	4.019918
17115	LOC119627	4.075251	1.942622	1.313556	1.478904	0.139166	0.216619	1.626259	2.782925	8.928508	8.556443	2.009959	
21812	TRNAQ-CU	1.387994	1.942556	2.563125	0.757886	0.448519	0.546635	1.084173	0.547412	0	6.696381	0	0
21815	METTL11B	1.387994	1.942556	2.563125	0.757886	0.448519	0.546635	1.084173	0.547412	0	6.696381	0	0
135	LOC103237	10125.85	1.94192	0.084759	22.91111	3.60E-116	7.09E-114	3927.416	4351.377	4268.312	16002.12	16317.14	15888.73
14752	LOC119627	7.380114	1.941718	1.032296	1.88097	0.059976	0.108084	1.084173	6.568942	1.391463	15.62489	8.556443	11.05477
21805	LOC103237	1.300211	1.940783	2.556217	0.75924	0.447709	0.545854	0	1.642235	0	0	2.139111	4.019918
9189	LOC103215	16.33213	1.940692	0.634584	3.058213	0.002227	0.006442	7.047123	6.02153	6.957314	26.78552	32.08666	19.09461
17465	RS1	5.446629	1.940584	1.370091	1.416391	0.156661	0.238468	0.542086	0	6.261582	11.16063	10.69555	4.019918
6485	LOC119615	29.5668	1.939296	0.491479	3.945839	7.95E-05	0.000326	15.17842	9.306001	11.82743	53.57105	51.33866	36.17926
3071	LCTL	79.82071	1.938182	0.307191	6.309379	2.80E-10	2.43E-09	34.15144	30.10765	35.4823	133.9276	100.5382	144.717
10778	LOC119627	25.40044	1.938161	0.724958	2.673482	0.007507	0.018511	9.757555	1.642235	20.17621	37.94616	57.75599	25.12449
14679	NCF1	8.326788	1.93777	1.02381	1.892705	0.058397	0.105763	1.626259	1.094824	7.653045	11.16063	21.39111	7.034856
1199	SPEF2	224.0109	1.937641	0.190864	10.15195	3.25E-24	7.20E-23	86.73382	102.366	88.35788	368.301	363.6488	334.6582
9555	RGS4	18.14308	1.936806	0.651836	2.971308	0.002965	0.008251	4.336691	10.94824	6.957314	29.01765	38.50399	19.09461
21093	LOC119615	1.560198	1.93665	2.235962	0.866137	0.386415	0.487026	0	0.547412	1.391463	0	6.417332	1.004979
4232	GDPD3	58.1276	1.936517	0.372544	5.198095	2.01E-07	1.26E-06	28.73058	22.9913	20.87194	100.4457	64.17332	111.5527
18073	LOC103215	3.99349	1.936276	1.457025	1.328924	0.183873	0.270473	0.542086	1.642235	2.782925	0	14.97377	4.019918
13953	LOC119615	11.14938	1.934571	0.957101	2.021282	0.043251	0.082406	1.626259	4.379295				



5826	HSD11B2	35.95064	1.933583	0.453825	4.260633	2.04E-05	9.30E-05	16.26259	10.40082	18.08902	49.10679	70.59065	51.25395
14336	LOC119618	9.340919	1.931765	0.988242	1.954748	0.050613	0.093852	1.084173	2.189647	8.348776	24.5534	12.83466	7.034856
511	TNIK	5697.431	1.930643	0.133859	14.42296	3.71E-47	1.93E-45	2095.164	2908.946	2099.717	8716.456	8793.884	9570.419
382	LOC10324	1590.017	1.930332	0.120272	16.04967	5.75E-58	4.00E-56	615.8101	753.7861	613.6351	2415.161	2500.62	2641.086
16687	DKKL1	4.507502	1.930003	1.249483	1.544641	0.122433	0.19506	1.626259	1.094824	2.782925	6.696381	12.83466	2.009959
1916	TMEM184	130.9302	1.929523	0.236329	8.164582	3.23E-16	4.48E-15	50.95612	56.38342	56.35424	187.4987	220.3284	214.0606
19978	LOC10322	2.023454	1.929224	1.866537	1.033584	0.30133	0.400985	0	1.094824	1.391463	2.232127	6.417332	1.004979
11688	LOC10324	10.7556	1.929001	0.779865	2.473508	0.013379	0.030432	5.420864	3.831883	4.174388	22.32127	10.69555	18.08963
15166	LOC11962	11.60026	1.92865	1.070116	1.802282	0.071501	0.125337	0.542086	2.737059	11.1317	20.08914	32.08666	3.014938
176	SERPINI1	3106.931	1.928553	0.092106	20.93846	2.39E-97	3.61E-95	1266.314	1360.866	1250.229	5078.089	4778.773	4907.315
22437	LOC11962	0.925625	1.928436	2.965116	0.650375	0.51545	0.610607	0.542086	0.547412	0	4.464254	0	0
22439	LOC11962	0.925625	1.928436	2.965116	0.650375	0.51545	0.610607	0.542086	0.547412	0	4.464254	0	0
6947	SLC15A3	53.3172	1.928183	0.513097	3.75793	0.000171	0.000656	13.55216	12.59047	40.35242	98.21359	106.9555	48.23901
15216	NTN3	6.514401	1.92818	1.075374	1.793032	0.072968	0.127487	0.542086	2.737059	4.87012	8.928508	14.97377	7.034856
17126	SHOX	7.078942	1.927201	1.304618	1.477214	0.139618	0.216732	0	0.547412	8.348776	17.85702	10.69555	5.024897
19529	LOC11962	2.022567	1.926747	1.758697	1.095554	0.273274	0.371991	0.542086	0.547412	1.391463	2.232127	6.417332	1.004979
19530	LOC11962	2.022567	1.926747	1.758697	1.095554	0.273274	0.371991	0.542086	0.547412	1.391463	2.232127	6.417332	1.004979
11649	LMOD1	14.14927	1.925921	0.77619	2.48125	0.013092	0.029879	2.710432	7.116354	7.653045	17.85702	38.50399	11.05477
19952	GPR17	2.005123	1.925786	1.856225	1.037475	0.299515	0.399088	0	0.547412	2.087194	2.232127	2.139111	5.024897
519	BTBD16	1046.146	1.925147	0.133863	14.38143	6.77E-47	3.47E-45	471.0731	369.503	469.6187	1604.899	1600.055	1761.729
16009	LOC11962	5.417625	1.924939	1.157573	1.662909	0.096331	0.159969	2.168345	1.642235	2.782925	8.928508	14.97377	2.009959
17033	LOC11962	4.080221	1.924805	1.293329	1.488256	0.136683	0.213335	0.542086	1.094824	3.478657	8.928508	6.417332	4.019918
20782	LOC10322	1.335464	1.924655	2.122547	0.906767	0.36453	0.466319	1.084173	0.547412	0	2.232127	2.139111	2.009959
15885	SLC18A2	7.258282	1.924499	1.140718	1.687095	0.091585	0.153276	1.084173	1.642235	6.261582	11.16063	21.39111	2.009959
354	DDX58	1050.316	1.924471	0.11778	16.33954	5.16E-60	3.88E-58	440.7162	470.2267	402.1327	1591.507	1739.097	1658.216
17412	LOC10322	3.358918	1.92413	1.347856	1.427548	0.153422	0.234243	1.084173	1.642235	1.391463	4.464254	8.556443	3.014938
229	MYLK	7642.008	1.923625	0.101142	19.01915	1.18E-80	1.37E-78	3074.172	3470.591	3022.257	11718.67	11429.27	13137.09
12121	LOC11962	10.2841	1.92362	0.807946	2.380875	0.017272	0.037882	2.710432	6.568942	3.478657	15.62489	19.252	14.06971
4503	FRMPD2	53.66973	1.923527	0.383963	5.009673	5.45E-07	3.22E-06	28.18849	19.70683	18.78475	109.3742	70.59065	75.37346
16599	LOC11962	5.918631	1.923378	1.23493	1.557479	0.119357	0.191162	0	3.831883	3.478657	15.62489	8.556443	4.019918
316	RB1CC1	4650.706	1.92097	0.112712	17.04318	3.93E-65	3.30E-63	1824.663	2241.651	1762.983	7234.324	7208.803	7631.814
4609	TMEM169	58.24619	1.920212	0.388792	4.938924	7.86E-07	4.53E-06	16.26259	26.27577	30.61218	118.3027	70.59065	87.43321
19478	KRT38	2.261976	1.919245	1.737798	1.104412	0.269414	0.367739	1.084173	1.642235	0	6.696381	2.139111	2.009959
282	IFI30	1463.794	1.918351	0.10768	17.81523	5.38E-71	5.08E-69	628.2781	633.3555	576.7613	2287.93	2203.284	2453.155
9843	ACAN	22.52178	1.917689	0.662277	2.895599	0.003784	0.010221	4.878777	6.02153	17.39328	31.24978	53.47777	22.10955
19938	LOC10323	2.903459	1.917232	1.841956	1.040868	0.297937	0.397264	0	2.189647	1.391463	0	12.83466	1.004979
9380	ETV3L	24.27649	1.916761	0.636248	3.012598	0.00259	0.007341	4.336691	9.306001	16.69755	53.57105	40.6431	21.10457
1545	BCO1	290.3253	1.91567	0.210404	9.104731	8.65E-20	1.49E-18	108.9594	157.6546	97.40239	491.0679	440.6568	446.2109
9613	LOC10321	19.81628	1.915573	0.647921	2.956491	0.003112	0.008605	9.757555	7.663765	6.957314	31.24978	49.19955	14.06971
19925	MS4A13	2.520911	1.915072	1.835627	1.043279	0.296819	0.396032	0	1.094824	2.087194	8.928508	0	3.014938
19525	RBP7	3.862336	1.915011	1.745685	1.096997	0.272643	0.371227	0	0	4.87012	4.464254	12.83466	1.004979
13115	KCNE1	8.059688	1.914525	0.876146	2.185166	0.028877	0.058535	3.252518	2.737059	4.174388	11.16063	14.97377	12.05975
6517	GRIP2	62.99931	1.914388	0.4868	3.932592	8.40E-05	0.000343	17.88885	18.612	42.43961	91.51721	158.2942	49.24399
3922	ANKRD30B	63.34015	1.913085	0.352546	5.426478	5.75E-08	3.90E-07	19.51511	32.2973	27.82925	89.28508	117.6511	93.46309
20398	TRNAH-GU	2.057654	1.912856	1.988821	0.961804	0.336148	0.438106	0	0.547412	2.087194	6.696381	0	3.014938
14720	ZNF497	6.08557	1.912627	1.014481	1.885326	0.059386	0.107254	3.252518	2.189647	2.087194	13.39276	8.556443	7.034856
8616	TCTE1	29.3199	1.912344	0.59299	3.224917	0.00126	0.003888	5.420864	9.306001	22.2634	46.87467	59.8951	32.15934
302	LYN	1638.365	1.912199	0.109611	17.44529	3.74E-68	3.29E-66	687.3655	722.0362	656.0747	2491.054	2455.699	2817.962
18677	LOC11961	5.509265	1.912156	1.55268	1.23152	0.218128	0.310486	0	0	6.957314	13.39276	10.69555	2.009959
5813	LOC10324	35.05903	1.912095	0.448089	4.267219	1.98E-05	9.05E-05	12.46799	15.32753	16.00182	58.0353	66.31243	42.20914
1686	ANK1	177.4078	1.911666	0.218338	8.755552	2.03E-18	3.20E-17	68.84497	88.68071	65.39875	287.9444	280.2235	273.3544
11233	LOC10321	23.11104	1.911485	0.742617	2.573983	0.010054	0.023794	4.336691	3.284471	21.56767	40.17829	49.19955	20.09959
10283	GUCY2C	14.92281	1.911348	0.684452	2.792523	0.00523	0.013521	5.420864	5.474118	7.653045	31.24978	25.66933	14.06971
11739	TNNC2	11.47297	1.911256	0.77679	2.460453	0.013876	0.031425	4.336691	7.116354	2.782925	24.5534	14.97377	15.07469
15232	LOC10323	8.10359	1.91095	1.067783	1.789643	0.073511	0.128286	4.336691	3.284471	2.782925	0	17.11289	21.10457
20299	LOC10323	2.232746	1.910946	1.953299	0.978317	0.327918	0.42947	0	2.737059	0	2.232127	6.417332	2.009959
577	RHPN1	1465.463	1.909965	0.13804	13.83635	1.54E-43	7.09E-42	651.5878	501.4292	697.1228	2294.627	2196.867	2451.145
255	TNIP1	10788.19	1.909773	0.104521	18.27167	1.39E-74	1.45E-72	4344.28	5060.822	4201.522	17060.15	15906.43	18155.96
15442	MAP3K8	5.146217	1.909456	1.089206	1.753072	0.07959	0.137022	1.626259	2.737059	2.087194	6.696381	10.69555	7.034856
19926	LOC10323	2.042151	1.908738	1.830186	1.04292	0.296985	0.396234	0	0.547412	2.087194	4.464254	2.139111	3.014938
2473	USP2	103.2191	1.908282	0.26649	7.160809	8.02E-13	8.62E-12	39.5723	45.43518	45.91827	165.1774	143.3204	179.8913
12874	LOC11962	9.65714	1.908264	0.858255	2.223424	0.026187	0.054073	5.96295	3.831883	2.087194	15.62489	21.39111	9.044815
11409	LOC11962	15.03442	1.90721	0.752596	2.534175	0.011271	0.026264	7.047123	3.284471	8.348776	37.94616	23.53022	10.04979
12071	FAM9A	13.90572	1.907196	0.796755	2.393704	0.016679	0.036735	2.710432	4.926706	9.740239	33.4819	23.53022	9.044815
376	MAP3K5	987.5286	1.906835	0.118476	16.09471	2.78E-58	1.96E-56	408.7331	448.8777	390.3053	1484.364	1565.829	1627.062
22937	LOC11961	0.893732	1.905637	3.323925	0.573309	0.566435	0.656495	1.084173	0	0	0	4.278221	0
22938	LOC10322	0.893732	1.905637	3.323925	0.573309	0.566435	0.656495	1.084173	0	0	0	4.278221	0
14451	LOC10324	8.720259	1.905555	0.985143	1.934293	0.053077	0.097644	6.505036	2.189647	2.087194	6.696381	27.80844	7.034856
21402	LOC10322	1.372492	1.905533	2.334622	0.816206	0.414382	0.514734	1.084173	0.547412	0	4.464254	2.139111	0
7898	KIF26B	22.49165	1.905192	0.55367	3.441028	0.00058	0.001951	11.38381	7.663765	9.044508	37.94616	42.78221	26.12947
260	CLU	23482.07	1.904138	0.104915	18.14938	1.30E-73	1.33E-71	9532.589	10967.4	9208.005	36528.76	3	



3879	PLIN4	61.02467	1.902192	0.347815	5.468984	4.53E-08	3.10E-07	31.9831	21.89647	23.65487	84.82083	96.25998	107.5328
20771	LOC119621	1.763999	1.901919	2.095736	0.907519	0.364133	0.466034	1.626259	0	0.695731	2.232127	0	6.029877
21555	LOC119621	1.594398	1.901295	2.388396	0.796055	0.426	0.52541	0	0	2.087194	4.464254	0	3.014938
16631	LOC119611	4.979976	1.901054	1.224447	1.552581	0.120523	0.192659	1.626259	1.094824	3.478657	6.696381	14.97377	2.009959
720	GGT1	1341.908	1.900444	0.150091	12.66191	9.61E-37	3.55E-35	657.5508	475.1535	570.4997	2073.646	1854.609	2419.991
1684	DENND1C	178.0982	1.900431	0.216635	8.772499	1.75E-18	2.76E-17	62.88202	84.30142	78.61764	270.0874	297.3364	275.3644
17522	LOC103221	5.981964	1.900382	1.345998	1.411876	0.157986	0.239678	2.710432	0.547412	4.174388	15.62489	12.83466	0
19234	S100A12	2.489905	1.900293	1.655619	1.147784	0.251058	0.347009	0	1.094824	2.087194	4.464254	4.278221	3.014938
5724	LOC119611	34.56514	1.900264	0.440761	4.311327	1.62E-05	7.54E-05	11.9259	14.78012	17.39328	55.80317	49.19955	58.28881
18361	TRNAE-UU	2.660394	1.900123	1.493987	1.271847	0.203428	0.294535	1.084173	1.642235	0.695731	2.232127	4.278221	6.029877
22513	LOC103221	0.91101	1.899786	2.979128	0.637699	0.52367	0.61825	0	1.094824	0	2.232127	2.139111	0
22516	LOC119621	0.91101	1.899786	2.979128	0.637699	0.52367	0.61825	0	1.094824	0	2.232127	2.139111	0
13429	CA14	9.031914	1.899724	0.895723	2.120883	0.033932	0.067163	1.626259	5.474118	4.174388	15.62489	19.252	8.039836
15247	ADCYAP1	11.55837	1.899705	1.061875	1.78901	0.073613	0.128354	1.626259	0.547412	12.52316	13.39276	34.22577	7.034856
12416	LOC103221	11.77305	1.899169	0.819588	2.317224	0.020492	0.043876	7.589209	3.831883	3.478657	6.696381	29.94755	19.09461
20918	LOC119621	1.803855	1.898325	2.135445	0.88896	0.374025	0.475353	1.626259	0.547412	0	2.232127	6.417332	0
9507	GPR37L1	18.64427	1.898032	0.636291	2.98296	0.002855	0.007983	7.589209	4.926706	11.1317	22.32127	42.78221	23.11453
10113	SLC39A5	18.18651	1.897793	0.669443	2.834883	0.004584	0.012051	7.589209	6.02153	9.044508	40.17829	34.22577	12.05975
12622	MKRN2OS	9.525821	1.897415	0.833366	2.27681	0.022798	0.048017	3.794605	3.284471	4.87012	22.32127	12.83466	10.04979
11414	GRIN2D	16.94793	1.896282	0.748473	2.533535	0.011292	0.026307	3.252518	10.94824	6.957314	24.5534	44.92132	11.05477
2430	CRB3	127.5339	1.89619	0.262445	7.225095	5.01E-13	5.48E-12	59.6295	40.50847	62.61582	183.0344	205.3546	214.0606
12718	LOC119611	13.20986	1.896057	0.8411	2.254258	0.02418	0.050544	1.084173	6.568942	9.044508	31.24978	19.252	12.05975
1632	LOC103234	178.5965	1.896028	0.213131	8.896073	5.79E-19	9.42E-18	79.14461	71.16354	75.83472	272.3195	320.8666	252.2498
16927	LOC119611	4.500164	1.895024	1.261179	1.502581	0.132947	0.208802	0.542086	1.094824	4.174388	4.464254	10.69555	6.029877
22955	MS4A18	0.895507	1.894247	3.32184	0.57024	0.568515	0.658417	0	1.094824	0	0	4.278221	0
21700	CUNH18or	1.631426	1.893086	2.434571	0.777585	0.436814	0.535147	0	0	2.087194	6.696381	0	1.004979
2350	CDH3	136.161	1.891875	0.257708	7.341159	2.12E-13	2.40E-12	48.24569	56.93083	68.87741	245.534	173.268	224.1104
7774	VWF	27.86436	1.891685	0.544962	3.471223	0.000518	0.001771	7.589209	10.94824	16.69755	51.33892	53.47777	27.13445
16544	LOC103241	6.235985	1.890165	1.206517	1.566629	0.117202	0.188334	2.168345	1.642235	4.174388	0	21.39111	8.039836
20143	APOBEC2	1.802802	1.890128	1.88148	1.004596	0.315091	0.415862	0.542086	1.094824	0.695731	4.464254	0	4.019918
15958	PLN	5.203883	1.888603	1.128295	1.673857	0.094159	0.156864	2.168345	2.189647	2.087194	8.928508	12.83466	3.014938
3183	BAIAP2L2	112.5258	1.888495	0.305521	6.181225	6.36E-10	5.31E-09	55.8349	30.10765	58.44144	156.2489	177.5462	196.976
14831	LOC103241	8.458142	1.888363	1.011786	1.866366	0.06199	0.111119	1.626259	2.737059	6.261582	17.85702	19.252	3.014938
5573	COL11A2	102.6725	1.888317	0.430738	4.383913	1.17E-05	5.56E-05	32.52518	28.46541	69.57314	169.6417	237.4413	78.3884
2566	FOXH1	110.1125	1.886827	0.268465	7.028211	2.09E-12	2.17E-11	44.99317	52.00412	44.52681	149.5525	162.5724	207.0258
15881	OPN1SW	7.635137	1.88673	1.117841	1.687834	0.091443	0.153077	3.794605	1.642235	4.174388	2.232127	29.94755	4.019918
10907	TRIM71	17.44947	1.886344	0.711944	2.649567	0.00806	0.019643	2.710432	10.94824	8.348776	31.24978	36.36488	15.07469
281	WDR91	11233.08	1.884021	0.105655	17.83178	4.00E-71	3.79E-69	5078.265	4411.044	4881.947	17147.2	16216.6	19663.43
315	CTSF	1120.988	1.883742	0.110245	17.08692	1.86E-65	1.57E-63	486.7936	464.2052	484.9248	1725.434	1696.315	1868.257
22204	LOC119621	0.910123	1.883547	2.723007	0.691716	0.489116	0.585699	0.542086	0.547412	0	2.232127	2.139111	0
17231	KLRG1	4.330788	1.883481	1.287475	1.462926	0.143488	0.221381	1.626259	1.642235	2.087194	8.928508	10.69555	1.004979
14323	LOC103231	7.713599	1.882735	0.961829	1.957452	0.050294	0.093352	4.336691	3.831883	1.391463	17.85702	12.83466	6.029877
5688	LOC119621	36.13027	1.882622	0.434589	4.331955	1.48E-05	6.91E-05	13.01007	16.96977	16.69755	53.57105	49.19955	67.33362
13074	LOC119611	9.986507	1.882481	0.858744	2.192133	0.02837	0.057688	3.252518	4.379295	4.87012	17.85702	23.53022	6.029877
14363	CDHR4	8.18354	1.881961	0.965445	1.949319	0.051257	0.094864	1.084173	4.379295	4.87012	15.62489	17.11289	6.029877
4619	MUC22	50.48501	1.881869	0.381207	4.936613	7.95E-07	4.58E-06	16.80468	27.37059	20.17621	87.05295	79.14709	72.35852
6266	CBFA2T3	34.36568	1.881674	0.465359	4.043488	5.27E-05	0.000223	10.29964	16.96977	16.69755	69.19594	42.78221	50.24897
14888	LOC103221	6.754967	1.881138	1.012907	1.857168	0.063287	0.11301	2.168345	1.642235	4.87012	6.696381	17.11289	8.039836
16835	LOC119621	4.969443	1.88108	1.23848	1.518861	0.128797	0.20339	0.542086	1.642235	4.174388	4.464254	14.97377	4.019918
20118	LOC103211	2.062789	1.880271	1.862391	1.0096	0.312687	0.413182	0.542086	0	2.087194	4.464254	4.278221	1.004979
16226	PRPS1L1	5.397978	1.878564	1.158228	1.62193	0.104818	0.171737	1.084173	1.094824	4.87012	4.464254	12.83466	8.039836
20127	IL19	2.063677	1.877926	1.862353	1.008362	0.313281	0.413801	0	0.547412	2.087194	4.464254	4.278221	1.004979
16566	SMPDL3B	4.933528	1.877782	1.201588	1.562751	0.118111	0.189544	2.710432	2.737059	0.695731	4.464254	14.97377	4.019918
14569	LOC119621	7.254364	1.877673	0.982069	1.911955	0.055882	0.101971	2.710432	1.642235	4.87012	11.16063	17.11289	6.029877
10480	ASPHD1	23.21204	1.877628	0.68298	2.74917	0.005975	0.015156	7.589209	6.568942	15.30609	35.71403	62.03421	12.05975
7103	LOC103211	27.64845	1.876844	0.507935	3.695045	0.00022	0.000823	11.9259	8.758589	15.30609	42.41041	34.22577	53.26391
13154	ZFPM2	12.94494	1.876379	0.860786	2.179843	0.029269	0.059154	1.084173	3.831883	11.82743	22.32127	23.53022	15.07469
483	ATL1	660.8986	1.875699	0.126733	14.80037	1.46E-49	8.02E-48	285.6795	268.7792	294.2944	1029.011	1086.668	1000.96
5288	EDNRB	48.98731	1.875481	0.414418	4.525582	6.02E-06	3.03E-05	20.0572	15.32753	27.82925	55.80317	100.5382	74.36848
117	FAM107B	10089.93	1.873369	0.079102	23.68292	5.41E-124	1.23E-121	4250.499	4409.402	4319.1	16053.46	16079.69	15427.44
493	VCAN	47235.67	1.873007	0.127399	14.70189	6.27E-49	3.38E-47	18055.27	24611.09	18114.06	71718.24	71551.11	79364.23
500	NPC1L1	982.6968	1.872042	0.127717	14.65776	1.20E-48	6.39E-47	446.6792	400.158	420.9175	1473.204	1424.648	1730.575
7128	HHIPL2	40.74501	1.871308	0.507427	3.687839	0.000226	0.000844	13.55216	14.23271	24.3506	51.33892	104.8164	36.17926
4809	LOC119621	43.24155	1.87104	0.389188	4.807546	1.53E-06	8.45E-06	16.80468	20.80165	18.08902	66.96381	68.45154	68.3386
16724	HORMAD1	4.799014	1.870903	1.21646	1.537991	0.124051	0.197194	0.542086	2.737059	2.782925	11.16063	8.556443	3.014938
18147	LOC119621	3.195931	1.869536	1.423595	1.31325	0.189099	0.277026	2.168345	1.094824	0.695731	8.928508	4.278221	2.009959
14936	SLC35F4	6.12217	1.869423	1.011862	1.847508	0.064674	0.115114	1.626259	2.737059	3.478657	11.16063	10.69555	7.034856
13805	LOC119621	8.841283	1.869137	0.91336	2.04644	0.040713	0.078403	4.336691	3.284471	3.478657	13.39276	23.53022	5.024897
20603	LOC103231	2.3255	1.869003	1.99579	0.936473	0.34903	0.450369	0	2.189647	0.695731	8.928508	2.139111	0
186	ASPH	7600.059	1.868544	0.090581	20.6284	1.53E-94	2.18E-92	3147.896	3520.953	3134.966	11629.38	11825	12342.15
20246	CKKAR	2.048174	1.868127	1.890317	0.988261	0.32302							



21275	TNFSF11	1.60042	1.867357	2.22514	0.839209	0.401352	0.501502	0	0	2.087194	2.232127	4.278221	1.004979
21276	LOC119623	1.60042	1.867357	2.22514	0.839209	0.401352	0.501502	0	0	2.087194	2.232127	4.278221	1.004979
11336	LOC103235	21.08241	1.866293	0.732128	2.549134	0.010799	0.025326	5.420864	4.379295	17.39328	22.32127	59.8951	17.08465
17697	LOC119620	5.634347	1.866207	1.34694	1.385516	0.165895	0.249216	0.542086	6.568942	0	6.696381	14.97377	5.024897
2772	LOC119621	178.6861	1.864798	0.276628	6.741171	1.57E-11	1.51E-10	92.15468	56.38342	81.40057	258.9267	372.2053	211.0457
16799	LOC103214	4.33487	1.864752	1.222024	1.525953	0.127022	0.201016	1.084173	1.642235	2.782925	8.928508	8.556443	3.014938
2558	LBH	106.6823	1.864178	0.264971	7.035395	1.99E-12	2.07E-11	48.24569	41.05589	48.00546	174.1059	183.9635	144.7517
12617	LOC103231	17.98792	1.864173	0.818084	2.278706	0.022685	0.047798	1.084173	14.23271	7.653045	31.24978	40.6431	13.06473
15918	LOC103241	6.352039	1.863703	1.108269	1.681634	0.09264	0.15472	1.084173	2.189647	4.87012	6.696381	19.252	4.019918
17407	LOC119620	4.577414	1.863186	1.304366	1.428422	0.15317	0.233904	0.542086	0.547412	4.87012	8.928508	8.556443	4.019918
6332	PRR36	41.92149	1.862903	0.464343	4.011913	6.02E-05	0.000253	9.215468	21.89647	22.95914	69.19594	77.00798	51.25395
16636	LOC119621	4.731513	1.861605	1.199624	1.551824	0.120704	0.19289	2.168345	0.547412	3.478657	4.464254	10.69555	7.034856
15855	LOC103241	8.360014	1.860843	1.101058	1.690005	0.091018	0.152616	4.878777	4.926706	0.695731	6.696381	29.94755	3.014938
7645	VILL	25.17046	1.8608	0.530008	3.510892	0.000447	0.001553	8.673382	8.758589	15.30609	46.87467	34.22577	37.18424
21471	LOC119615	1.324931	1.859939	2.302557	0.807771	0.419223	0.51918	0	1.094824	0.695731	0	2.139111	4.019918
15522	SHOC1	6.385352	1.859196	1.069276	1.738742	0.08208	0.140581	1.626259	1.094824	5.565851	11.16063	12.83466	6.029877
499	TMEM63C	622.8145	1.858467	0.126752	1.466221	1.13E-48	6.00E-47	277.5482	264.3999	266.4651	937.4933	983.9909	1006.989
7197	LOC119621	26.12036	1.857246	0.506237	3.668728	0.000244	0.000901	13.55216	9.853413	10.43597	33.4819	49.19955	40.19918
10846	LOC103241	19.04884	1.856871	0.69771	2.661378	0.007782	0.019075	4.878777	7.663765	11.82743	44.64254	34.22577	11.05477
12021	LOC103235	13.65626	1.856809	0.772801	2.402699	0.016275	0.035992	2.710432	7.116354	7.653045	22.32127	32.08666	10.04979
19241	LOC119620	2.702392	1.855541	1.619597	1.14568	0.251927	0.348048	0	2.189647	1.391463	4.464254	2.139111	6.029877
16632	KCNA5	12.60795	1.855491	1.195241	1.5524	0.120567	0.192717	0	1.094824	15.30609	17.85702	36.36488	5.024897
10401	LOC119621	17.09444	1.8549	0.670584	2.766098	0.005673	0.014501	5.96295	6.568942	9.740239	13.39276	42.78221	24.11951
17254	LOC119620	5.16754	1.854308	1.272509	1.457206	0.145059	0.223508	2.710432	3.831883	0	4.464254	14.97377	5.024897
11842	LOC119624	12.62066	1.854291	0.760327	2.438807	0.014736	0.033082	4.336691	7.663765	4.174388	13.39276	32.08666	14.06971
10856	LOC103221	13.04779	1.853207	0.696771	2.659707	0.007821	0.019152	5.96295	4.926706	6.261582	15.62489	21.39111	24.11951
19313	LOC103221	3.013134	1.853075	1.636696	1.132205	0.257548	0.354432	1.084173	0	2.782925	8.928508	4.278221	1.004979
2985	CD274	84.00336	1.852091	0.287432	6.443571	1.17E-10	1.04E-09	36.31979	39.96106	32.69937	127.2312	141.1813	126.6274
11647	LEXM	11.82384	1.850636	0.74562	2.482009	0.013064	0.02982	6.505036	3.831883	4.87012	24.5534	17.11289	14.06971
21840	LOC119620	1.584918	1.850245	2.452987	0.754282	0.45068	0.54857	0	0	2.087194	0	6.417332	1.004979
21841	LOC119618	1.584918	1.850245	2.452987	0.754282	0.45068	0.54857	0	0	2.087194	0	6.417332	1.004979
9358	GREM2	25.73693	1.850027	0.613314	3.016443	0.002558	0.007266	8.131296	7.116354	18.08902	37.94616	62.03421	21.10457
14905	PDCD1	6.577366	1.849692	0.998035	1.853333	0.063835	0.113857	2.710432	1.642235	4.174388	8.928508	14.97377	7.034856
17453	LOC119624	3.874809	1.848823	1.303782	1.418046	0.156177	0.237888	1.084173	0.547412	3.478657	6.696381	6.417332	5.024897
19886	TNFSF18	1.824327	1.848524	1.764309	1.047733	0.294762	0.395012	0.542086	1.094824	0.695731	4.464254	2.139111	2.009959
16904	BEST2	6.394037	1.848421	1.227659	1.505647	0.132158	0.207845	0	2.737059	5.565851	8.928508	17.11289	4.019918
15444	LOC103218	6.370075	1.847968	1.054328	1.752745	0.079646	0.137101	4.336691	1.642235	2.087194	11.16063	14.97377	4.019918
18957	LOC103241	3.447161	1.847943	1.548061	1.193715	0.23259	0.32618	0	1.642235	2.782925	6.696381	8.556443	1.004979
1011	ROR1	464.5478	1.847917	0.168792	10.9479	6.80E-28	1.79E-26	169.673	240.8612	196.1962	705.3521	697.3501	777.8541
15189	MHC-DRA	7.130016	1.847753	1.027772	1.797824	0.072205	0.126379	1.084173	3.284471	4.87012	20.08914	6.417332	7.034856
20237	LOC103235	3.016555	1.846957	1.866219	0.989678	0.322331	0.423441	3.794605	0	0	11.16063	2.139111	1.004979
5195	LOC119621	46.86695	1.846621	0.403304	4.581729	4.61E-06	2.36E-05	18.97302	16.42235	26.43779	55.80317	79.14709	84.41828
15016	LOC103235	7.094101	1.846186	1.008528	1.830576	0.067164	0.11891	3.252518	4.379295	1.391463	20.08914	6.417332	7.034856
14548	MYLPF	7.509901	1.846018	0.963075	1.916796	0.055264	0.100989	2.710432	2.737059	4.174388	11.16063	19.252	5.024897
6399	LOC103241	38.56486	1.845233	0.463603	3.980196	6.89E-05	0.000286	11.38381	25.72836	13.2189	53.57105	64.17332	63.31371
19223	UPK2	2.946876	1.845211	1.603978	1.150397	0.249981	0.345718	0	1.094824	2.782925	2.232127	8.556443	3.014938
16104	EMILIN3	5.666356	1.844776	1.120582	1.646266	0.099709	0.164603	2.710432	0.547412	4.174388	6.696381	12.83466	7.034856
17508	TEX13D	3.822338	1.843228	1.304174	1.41333	0.157559	0.23947	2.168345	2.189647	0.695731	6.696381	2.139111	9.044815
512	GRK5	1013.423	1.842792	0.127795	14.41995	3.88E-47	2.01E-45	453.1842	477.8905	395.1754	1584.81	1461.013	1708.465
11835	DLL4	12.55719	1.842058	0.75471	2.44075	0.014657	0.032924	5.96295	3.284471	6.957314	24.5534	23.53022	11.05477
19933	GPR25	1.807937	1.840853	1.767261	1.041642	0.297578	0.396865	1.084173	0.547412	0.695731	2.232127	4.278221	2.009959
19934	LOC103231	1.807937	1.840853	1.767261	1.041642	0.297578	0.396865	1.084173	0.547412	0.695731	2.232127	4.278221	2.009959
1170	FUCA2	294.7352	1.840275	0.17923	10.26768	9.85E-25	2.24E-23	115.4644	143.9693	127.3188	412.9435	481.2999	487.415
7409	OTOG	46.59127	1.840203	0.511577	3.597118	0.000322	0.001154	15.7205	16.42235	28.52499	51.33892	128.3466	39.1942
14326	CUNH2orf6	8.028883	1.840129	0.940336	1.956885	0.050361	0.093456	2.710432	2.737059	4.87012	12.97377	5.024897	
17360	LOC103215	4.291557	1.839969	1.279888	1.437602	0.150547	0.230547	1.084173	1.094824	3.478657	2.232127	12.83466	5.024897
14179	SLFN11	9.56818	1.83972	0.929125	1.980056	0.047697	0.089425	2.168345	3.284471	6.957314	11.16063	27.80844	6.029877
16642	LOC119621	5.235218	1.839653	1.186808	1.550084	0.121121	0.193475	4.878777	1.094824	0.695731	11.16063	8.556443	5.024897
602	MAP2	3523.869	1.839419	0.135466	13.57849	5.37E-42	2.37E-40	1371.479	1898.972	1346.24	5526.746	5497.514	5502.263
12091	LOC119621	11.16181	1.839018	0.769889	2.38868	0.016909	0.037179	4.878777	6.02153	3.478657	24.5534	14.97377	13.06473
18089	LOC119624	3.170783	1.83876	1.388417	1.324357	0.185384	0.272455	0.542086	2.189647	1.391463	4.464254	6.417332	4.019918
20659	CHRNA	1.361071	1.838747	1.983095	0.927211	0.353817	0.455265	0.542086	0.547412	0.695731	2.232127	2.139111	2.009959
20660	LOC119620	1.361071	1.838747	1.983095	0.927211	0.353817	0.455265	0.542086	0.547412	0.695731	2.232127	2.139111	2.009959
15683	LOC103231	6.56417	1.838292	1.068882	1.719826	0.085464	0.144874	3.252518	0.547412	4.87012	6.696381	14.97377	9.044815
16272	LOC103241	7.253806	1.838272	1.139523	1.613194	0.106702	0.174318	5.96295	0	3.478657	8.928508	17.11289	8.039836
7341	CPLX2	67.09548	1.836836	0.507593	3.618717	0.000296	0.001072	18.97302	15.32753	53.57132	113.8385	147.5986	53.26391
4800	PRSS36	52.76399	1.836629	0.381625	4.81266	1.49E-06	8.25E-06	26.02015	17.51718	26.43779	66.96381	79.14709	100.4979
14267	KRT16	11.40832	1.83604	0.933493	1.966849	0.049201	0.09168	1.626259	1.642235	11.82743	15.62489	25.66933	12.05975
2651	CABP1	109.9857	1.835988	0.266333	6.893566	5.44E-12	5.46E-11	41.74065	49.81448	52.17985	187.4987	183.9635	144.717
12166	LOC119621	12.85745	1.835916	0.773731	2.37281	0.017653	0.038576	5.420864	3.831883	7.653045	8.928508	34.22577	17.08465
6512													



20759	LOC119624	2.262601	1.831942	2.013014	0.910049	0.362797	0.464615	0.542086	1.642235	0.695731	0	10.69555	0
537	LOC103225	760.4261	1.83167	0.12875	14.22661	6.26E-46	3.10E-44	309.5313	367.3133	324.2108	1129.456	1215.015	1217.03
15493	LOC103247	7.103484	1.831288	1.048811	1.746061	0.0808	0.138648	4.878777	2.737059	1.391463	15.62489	14.97377	3.014938
10056	RBFOX3	21.58193	1.829652	0.641934	2.850217	0.004369	0.01155	8.673382	8.758589	10.43597	44.64254	44.92132	12.05975
2029	LOC119624	137.2669	1.829508	0.231159	7.914505	2.48E-15	3.25E-14	56.37698	64.04718	60.52863	229.9091	194.6591	218.0805
22226	LOC119624	0.913317	1.829488	2.660748	0.687584	0.491715	0.588124	0.542086	0	0.695731	2.232127	0	2.009959
22227	LOC119624	0.913317	1.829488	2.660748	0.687584	0.491715	0.588124	0.542086	0	0.695731	2.232127	0	2.009959
7592	LOC103235	30.38789	1.829093	0.518392	3.528395	0.000418	0.001464	10.29964	12.59047	16.69755	53.57105	62.03421	27.13445
423	KCNMA1	3630.655	1.826678	0.11874	15.38388	2.10E-53	1.32E-51	1517.842	1837.114	1436.685	5459.783	5399.115	6133.39
11124	GPA33	13.77685	1.826658	0.703271	2.597375	0.009394	0.02245	7.047123	5.474118	5.565851	13.39276	32.08666	19.09461
9797	EMILIN1	24.92309	1.826445	0.6287	2.905115	0.003671	0.009962	10.29964	4.379295	18.08902	40.17829	53.47777	23.11453
11280	LOC103225	16.25201	1.826109	0.712818	2.561816	0.010413	0.024541	3.252518	8.211177	9.740239	29.01765	34.22577	13.06473
21130	LOC103216	1.345568	1.824952	2.120411	0.86066	0.389426	0.489961	0.542086	0.547412	0.695731	0	4.278221	2.009959
12801	LOC103247	11.12557	1.824034	0.814532	2.239365	0.025132	0.052194	5.96295	4.926706	3.478657	13.39276	29.94755	9.044815
11744	GRIK3	15.64559	1.823609	0.741425	2.459599	0.013909	0.031486	7.589209	3.284471	9.740239	13.39276	42.78221	17.08465
378	APOE	17562.67	1.822813	0.113343	16.08226	3.40E-58	2.39E-56	8161.11	6704.7	8358.517	28928.37	24678.92	28544.43
19962	LOC103225	3.657812	1.822778	1.759524	1.035949	0.300226	0.399815	0	0	4.87012	2.232127	12.83466	2.009959
19963	SERPIND1	3.657812	1.822778	1.759524	1.035949	0.300226	0.399815	0	0	4.87012	2.232127	12.83466	2.009959
10344	PRKAG3	17.09309	1.822415	0.655967	2.778212	0.005466	0.014048	9.215468	6.02153	6.957314	26.78552	38.50399	15.07469
15857	HAND2	5.883445	1.822227	1.078415	1.689726	0.09108	0.1527	1.626259	3.284471	2.782925	4.464254	17.11289	6.029877
13701	LOC119623	7.967299	1.821243	0.880679	2.067999	0.03864	0.074976	3.794605	3.284471	3.478657	15.62489	8.556443	13.06473
5168	WDR64	43.50196	1.820969	0.396296	4.594976	4.33E-06	2.23E-05	18.97302	19.70683	18.78475	55.80317	83.42532	64.31869
856	ZBTB46	413.308	1.818466	0.154837	11.74439	7.55E-32	2.34E-30	203.2824	163.6761	180.8902	654.0132	626.7594	651.2267
9162	PIK3R5	23.3533	1.818026	0.593511	3.063173	0.00219	0.006355	7.589209	10.40082	12.52316	40.17829	51.33866	18.08963
2314	ANXA9	120.8052	1.81766	0.245908	7.391641	1.45E-13	1.67E-12	58.54533	49.81448	52.17985	169.6417	194.6591	199.9909
14915	LOC103235	8.401386	1.817597	0.981864	1.85117	0.064145	0.114334	3.794605	6.568942	0.695731	17.85702	6.417332	15.07469
20878	LOC103217	2.088397	1.816858	2.033108	0.893636	0.371517	0.473071	0	0	2.782925	4.464254	4.278221	1.004979
14853	LOC119623	6.884381	1.816326	0.975565	1.86182	0.062628	0.112097	1.626259	3.284471	4.174388	15.62489	8.556443	8.039836
10816	SIGLEC10	18.19828	1.814638	0.680511	2.666583	0.007663	0.018834	5.96295	8.211177	9.740239	17.85702	51.33866	16.07967
9248	CAPN12	29.6153	1.814391	0.596244	3.043037	0.002342	0.006733	8.131296	7.663765	23.65487	33.4819	70.59065	34.1693
219	SPARC	9419.01	1.813581	0.093218	19.45525	2.63E-84	3.19E-82	4112.267	4310.321	4097.162	14466.41	13609.02	15918.87
9308	CPNE9	19.9662	1.813559	0.59833	3.031035	0.002437	0.006959	7.047123	8.758589	10.43597	44.64254	27.80844	21.10457
15934	LOC119618	5.455276	1.812784	1.080038	1.678444	0.09326	0.155959	1.084173	2.737059	3.478657	6.696381	10.69555	8.039836
18411	LOC119626	3.175918	1.812737	1.434528	1.263648	0.206357	0.297793	1.084173	1.642235	1.391463	2.232127	10.69555	2.009959
3637	LOC103247	99.44433	1.812337	0.31764	5.705632	1.16E-08	8.47E-08	42.28274	35.58177	53.57132	165.1774	192.52	107.5328
12764	LOC103235	10.4073	1.812163	0.806189	2.247813	0.024588	0.051214	4.878777	6.02153	2.782925	11.16063	23.53022	14.06971
12584	SLC44A4	13.10595	1.812157	0.792418	2.286872	0.022203	0.046907	2.710432	5.474118	9.044508	24.5534	27.80844	9.044815
16384	LOC103234	5.540753	1.812069	1.138655	1.591412	0.111517	0.18095	1.626259	2.737059	2.782925	13.39276	10.69555	2.009959
10112	LHFPL5	17.67188	1.811305	0.638916	2.834963	0.004583	0.012049	8.673382	5.474118	9.044508	37.94616	27.80844	17.08465
17549	LOC119625	3.641482	1.811136	1.286256	1.408068	0.159111	0.241038	1.626259	1.094824	2.087194	4.464254	8.556443	4.019918
15464	MBD3L1	6.78623	1.81019	1.034001	1.750666	0.080003	0.137538	1.084173	3.831883	4.174388	4.464254	17.11289	10.04979
12385	SLC4A10	10.69971	1.809986	0.778215	2.325819	0.020028	0.042988	5.96295	3.284471	4.87012	15.62489	21.39111	13.06473
2309	CDKN2D	138.3102	1.809242	0.24432	7.405209	1.31E-13	1.51E-12	56.37698	73.90059	53.57132	198.6593	235.3022	212.0507
11843	LOC119625	15.99673	1.806519	0.740757	2.438746	0.014738	0.033082	2.168345	9.306001	9.740239	22.32127	36.36488	16.07967
728	FRK	1163.524	1.806504	0.143197	12.61553	1.73E-36	6.33E-35	473.7835	621.8598	456.3998	1854.898	1672.785	1901.421
4095	FAM240B	65.83154	1.805079	0.340574	5.300103	1.16E-07	7.51E-07	29.27266	22.9913	35.4823	120.5349	96.25998	90.44815
9718	LOC119625	19.03093	1.804023	0.61675	2.925049	0.003444	0.009422	4.878777	9.306001	11.1317	37.94616	27.80844	23.11453
4247	ZNF233	63.28752	1.80401	0.34761	5.189747	2.11E-07	1.32E-06	22.76763	35.58177	26.43779	82.5887	104.8164	107.5328
19658	LOC119625	4.145788	1.803793	1.674903	1.076953	0.281501	0.380695	0	0	5.565851	4.464254	12.83466	2.009959
22300	LOC119624	0.898702	1.803644	2.672944	0.674778	0.499817	0.595858	0	0.547412	0.695731	0	2.139111	2.009959
18832	LOC103225	3.612252	1.801031	1.483753	1.213835	0.224811	0.317364	0.542086	2.189647	2.087194	0	12.83466	4.019918
10184	THSD7A	28.22127	1.800205	0.638671	2.818672	0.004822	0.012588	7.047123	11.49565	18.78475	58.0353	59.8951	14.06971
16794	LOC103215	4.576324	1.799976	1.178698	1.527089	0.126739	0.200629	2.168345	1.094824	2.782925	6.696381	10.69555	4.019918
20447	PIK3CG	2.502317	1.798714	1.884236	0.954612	0.339774	0.441749	0	0	3.478657	2.232127	4.278221	5.024897
14371	LOC103235	8.949214	1.798139	0.922691	1.948798	0.05132	0.09493	2.710432	1.642235	7.653045	13.39276	19.252	9.044815
20612	LOC119625	2.334717	1.798116	1.923062	0.935027	0.349774	0.451133	0	1.642235	1.391463	6.696381	4.278221	0
15365	LOC103215	6.199218	1.797915	1.017735	1.766585	0.077298	0.133734	2.710432	3.284471	2.087194	13.39276	10.69555	5.024897
9280	BIK	18.25592	1.797452	0.591773	3.037403	0.002386	0.006836	9.215468	8.211177	6.957314	33.4819	23.53022	28.13943
15563	TRNAL-UA	5.873505	1.796573	1.035968	1.734197	0.082883	0.141582	3.252518	3.284471	1.391463	6.696381	8.556443	12.05975
18138	CD1D	3.66212	1.796045	1.365944	1.314874	0.188552	0.276362	2.168345	0.547412	2.087194	4.464254	10.69555	2.009959
3086	TSPAN1	120.4764	1.795796	0.285264	6.295211	3.07E-10	2.64E-09	62.88202	36.12918	63.31155	185.2665	173.268	202.0009
19931	LOC103225	3.270447	1.795788	1.723453	1.041971	0.297425	0.396721	0	2.189647	2.087194	8.928508	6.417332	0
15079	LOC103225	7.726207	1.795579	0.986423	1.820294	0.068714	0.121154	2.168345	3.284471	4.87012	4.464254	23.53022	8.039836
265	KIFC2	2479.265	1.795485	0.09939	18.06498	6.01E-73	6.03E-71	1095.014	1083.328	1150.74	3966.49	3553.063	4026.953
2711	RASGRF1	115.6399	1.795264	0.263174	6.82159	9.00E-12	8.83E-11	48.24569	59.66789	46.614	212.0521	160.4333	166.8266
18740	KRT32	3.905551	1.795056	1.464203	1.225961	0.220213	0.3124	1.084173	0	4.174388	4.464254	10.69555	3.014938
3518	KALRN	151.8925	1.794712	0.307282	5.840597	5.20E-09	3.93E-08	48.24569	61.31012	93.92374	232.1412	305.8928	169.8415
698	HIF1A	45414.03	1.794095	0.139749	12.83798	1.00E-37	3.83E-36	17601.54	25791.31	17592.26	70740.57	69561.74	71196.77
9774	ABCA12	26.83062	1.793157	0.616163	2.9102	0.003612	0.009824	5.420864	19.70683	10.43597	42.41041	59.8951	23.11453
20431	LEUTX	1.84816	1.79295	1.872893	0.957316	0.338408	0.440339	1.084173	0	1.391463	4.464254	2.139111	2.009959
12715	TEX29	10.71431	1.792602										



684	CAPS	873.6729	1.789897	0.138833	12.89241	4.97E-38	1.93E-36	437.4637	338.8479	401.437	1265.616	1328.388	1470.285
10486	LOC119621	20.45809	1.789863	0.651348	2.747936	0.005997	0.015205	4.336691	10.40082	12.52316	33.4819	44.92132	17.08465
18394	LOC103221	2.954379	1.789255	1.413805	1.26556	0.205671	0.297257	2.168345	1.094824	0.695731	4.464254	4.278221	5.024897
10251	COL17A1	25.86233	1.788995	0.638544	2.80168	0.005084	0.013184	9.757555	8.758589	16.00182	24.5534	77.00798	19.09461
9224	FREM1	21.59266	1.788774	0.586649	3.049141	0.002295	0.006614	7.047123	9.853413	11.82743	37.94616	42.78221	20.09959
681	LOC103221	1200.54	1.788715	0.13864	12.90184	4.39E-38	1.71E-36	583.827	454.8992	580.9357	1770.077	1741.236	2072.268
2694	BAIAP3	145.6843	1.788526	0.261288	6.845036	7.65E-12	7.54E-11	71.5554	45.98259	79.31338	236.6055	207.4937	233.1552
1386	VAV1	222.5286	1.788146	0.186379	9.594117	8.46E-22	1.62E-20	94.32303	106.7453	98.79385	330.3548	357.2315	347.7229
4266	IL22RA1	66.17166	1.78751	0.3452	5.178186	2.24E-07	1.40E-06	27.10432	27.37059	35.4823	111.6063	74.86887	120.5975
15153	LOC119621	9.40441	1.787423	0.990058	1.805373	0.071016	0.124594	3.794605	0.547412	8.348776	11.16063	23.53022	9.044815
435	GCNT1	982.2508	1.786732	0.117015	15.26927	1.23E-52	7.49E-51	433.6691	476.7957	413.9602	1522.311	1475.986	1570.783
17402	ZNF432	4.340525	1.786446	1.249991	1.429167	0.152956	0.233662	0.542086	3.831883	1.391463	6.696381	8.556443	5.024897
18367	LOC119621	3.232531	1.786378	1.406292	1.270275	0.203987	0.295257	0.542086	1.642235	2.087194	6.696381	6.417332	2.009959
22709	IQCF5	0.951233	1.78635	2.941794	0.607232	0.543697	0.636468	0	0.547412	0.695731	4.464254	0	0
15420	FAM174B	7.073825	1.786281	1.016544	1.757209	0.078882	0.135998	2.168345	4.379295	2.782925	6.696381	21.39111	5.024897
651	CRIP1	2779.443	1.784489	0.136057	13.11578	2.67E-39	1.09E-37	1077.126	1533.3	1140.999	4337.023	4205.492	4382.715
21354	TSSK3	1.382596	1.784022	2.16642	0.823488	0.41023	0.510723	0.542086	0.547412	0.695731	2.232127	4.278221	0
15543	MCEMP1	8.041754	1.783782	1.026822	1.737187	0.082354	0.14086	0.542086	2.737059	7.653045	11.16063	17.11289	9.044815
5348	POU3F3	45.11149	1.783318	0.397207	4.48965	7.13E-06	3.55E-05	19.51511	24.08612	16.69755	80.35657	72.72976	57.28383
15728	LOC103241	6.814144	1.782878	1.040786	1.713012	0.08671	0.146566	1.084173	2.737059	5.565851	4.464254	14.97377	12.05975
20482	LOC119621	1.832657	1.782251	1.876213	0.949919	0.342153	0.444104	1.084173	0	1.391463	2.232127	4.278221	2.009959
14897	TMEM266	7.952953	1.782093	0.960567	1.855252	0.06356	0.113435	4.878777	1.094824	4.87012	6.696381	17.11289	13.06473
1811	LOC119621	251.6816	1.781658	0.211391	8.428253	3.51E-17	5.15E-16	118.1748	125.9047	94.61947	352.6761	477.0217	341.693
14455	ABCA8	13.97135	1.781605	0.921668	1.933022	0.053234	0.097905	3.794605	3.831883	11.1317	6.696381	51.33866	7.034856
2589	JAKMIP3	147.3273	1.781464	0.254605	6.996971	2.62E-12	2.69E-11	62.88202	81.01695	54.26705	274.5516	203.2155	208.0308
695	RGS17	656.7583	1.781457	0.138653	12.84829	8.79E-38	3.36E-36	312.7838	266.5896	309.6005	921.8684	1084.529	1045.179
7775	MYH11	25.71343	1.781186	0.513125	3.471249	0.000518	0.001771	9.757555	10.40082	14.61036	49.10679	34.22577	36.17926
19244	EDN3	3.459573	1.781133	1.554926	1.145477	0.252011	0.348146	0	0.547412	4.174388	4.464254	8.556443	3.014938
21200	LOC119611	1.885188	1.780205	2.094287	0.850029	0.395309	0.495721	1.084173	0	1.391463	6.696381	2.139111	0
15254	SCN1A	7.073469	1.779371	0.995308	1.78776	0.073815	0.128646	4.336691	1.642235	3.478657	6.696381	19.252	7.034856
13320	GDPD2	10.81392	1.778605	0.829709	2.14365	0.032061	0.063992	2.168345	6.02153	6.261582	17.85702	23.53022	9.044815
18107	LOC119621	4.100289	1.778397	1.347571	1.319705	0.186933	0.274444	1.626259	3.831883	0	6.696381	6.417332	6.029877
17291	LOC103231	3.890109	1.778254	1.226281	1.450119	0.147025	0.226052	2.168345	1.642235	1.391463	6.696381	6.417332	5.024897
8868	ACTN3	26.78994	1.77781	0.564239	3.151324	0.001625	0.004872	9.757555	6.568942	20.17621	35.71403	51.33866	37.18424
21458	LOC119621	2.023784	1.777561	2.194334	0.810069	0.417901	0.517751	2.710432	0	0	0	6.417332	3.014938
20496	ODAPH	1.834432	1.777461	1.876084	0.947432	0.343419	0.445442	0	1.094824	1.391463	2.232127	4.278221	2.009959
351	LOC119621	4815.184	1.776292	0.108157	16.42329	1.30E-60	9.87E-59	2319.588	1912.109	2298.696	7611.553	6975.64	7773.516
13235	RAG1	10.29636	1.774174	0.820947	2.161132	0.030685	0.061637	3.252518	4.379295	6.261582	11.16063	25.66933	11.05477
17075	GALR2	5.120026	1.774129	1.195051	1.484563	0.13766	0.21433	2.168345	0.547412	4.174388	13.39276	6.417332	4.019918
9767	LOC103241	18.90725	1.774083	0.609159	2.912349	0.003587	0.009764	9.215468	7.663765	8.348776	40.17829	29.94755	18.9863
18143	GPR84	3.718733	1.773402	1.34989	1.313738	0.188934	0.276846	1.626259	0.547412	2.782925	8.928508	6.417332	2.009959
5734	RIIAD1	39.34776	1.772759	0.411558	4.307431	1.65E-05	7.66E-05	15.7205	17.51718	20.17621	55.80317	70.59065	56.27885
20898	LOC103231	2.043724	1.772457	1.989983	0.890689	0.373096	0.474627	0	2.737059	0	2.232127	4.278221	3.014938
982	LOC103241	387.3198	1.772247	0.159894	11.08389	1.50E-28	4.07E-27	173.4676	179.5511	174.6286	616.067	521.943	658.2616
9550	LOC119621	20.87412	1.771355	0.595933	2.972406	0.002955	0.008225	5.96295	10.40082	11.82743	29.01765	44.92132	23.11453
13928	LOC103221	12.73521	1.771305	0.874266	2.026048	0.04276	0.081618	6.505036	5.474118	4.87012	22.32127	34.22577	3.014938
21103	LOC119621	1.817154	1.771292	2.048732	0.86458	0.387269	0.487859	1.084173	0	1.391463	0	6.417332	2.009959
20170	LOC119611	3.027321	1.770359	1.768913	1.000818	0.316915	0.417707	0	0	4.174388	6.696381	4.278221	3.014938
13988	LOC103231	9.10311	1.769748	0.879465	2.012301	0.044188	0.083982	5.420864	2.737059	4.174388	6.696381	23.53022	12.05975
17196	MAL2	4.359388	1.769732	1.205291	1.468303	0.142022	0.219575	2.168345	2.189647	1.391463	6.696381	10.69555	3.014938
3215	CYP1A1	91.42175	1.769246	0.287754	6.148459	7.82E-10	6.47E-09	50.41403	35.58177	38.26523	131.6955	151.8769	140.6971
20045	LUM	2.511228	1.769083	1.732649	1.021028	0.307241	0.407463	1.084173	2.189647	0	2.232127	8.556443	1.004979
17256	NTN5	4.620629	1.768954	1.21399	1.457141	0.145077	0.22351	1.626259	0.547412	4.174388	8.928508	6.417332	6.029877
10992	MYBPHL	16.56654	1.768779	0.672339	2.630784	0.008519	0.020603	5.96295	6.568942	9.740239	24.5534	38.50399	14.06971
14331	LOC103241	8.098593	1.768556	0.904325	1.955664	0.050505	0.09369	2.710432	3.284471	4.87012	17.85702	12.83466	7.034856
704	SH3BP5	1914.602	1.768003	0.137986	12.81314	1.38E-37	5.23E-36	738.8637	1048.294	820.963	2837.033	2904.912	3137.546
10703	TRNAW-CC	16.99681	1.767995	0.657063	2.690753	0.007129	0.017708	5.96295	11.49565	5.565851	35.71403	17.11289	26.12947
16273	HSPB7	6.440612	1.767327	1.095527	1.613221	0.106696	0.174318	2.710432	1.094824	4.87012	6.696381	19.252	4.019918
15448	LOC119621	8.018607	1.767295	1.00904	1.751462	0.079866	0.137445	0.542086	5.474118	4.87012	8.928508	19.252	9.044815
16554	LOC103231	6.042916	1.766971	1.129257	1.56472	0.117649	0.188939	0.542086	2.737059	4.87012	13.39276	10.69555	4.019918
15898	EXTL1	6.178849	1.76634	1.048508	1.684623	0.092061	0.153947	3.794605	1.094824	3.478657	6.696381	14.97377	7.034856
15463	DENND2D	6.422697	1.766042	1.008664	1.750872	0.079968	0.137486	1.626259	4.926706	2.087194	11.16063	10.69555	8.039836
5209	TREH	42.99957	1.765832	0.386069	4.573879	4.79E-06	2.44E-05	18.97302	20.25424	19.48048	62.49956	68.45154	68.3386
8556	MAEL	23.5588	1.765243	0.544903	3.239551	0.001197	0.00372	12.46799	13.13788	6.261582	37.94616	36.36488	35.17428
8329	LOC119621	24.66302	1.764985	0.533915	3.305742	0.000947	0.003024	14.09425	8.758589	11.1317	37.94616	27.80844	48.23901
1581	LOC119621	245.0789	1.764505	0.19531	9.034375	1.65E-19	2.77E-18	125.764	94.15483	115.4914	359.3724	363.6488	412.0416
21691	CHRNA1	1.402181	1.764298	2.266545	0.778408	0.436328	0.53475	0	0.547412	1.391463	4.464254	0	2.009959
21692	MAGEB18	1.402181	1.764298	2.266545	0.778408	0.436328	0.53475	0	0.547412	1.391463	4.464254	0	2.009959
1823	LOC119621	219.8759	1.763792	0.210298	8.387118	4.98E-17	7.27E-16	94.32303	90.87036	116.8829	325.8905	297.3364	393.952
2344	TG	180.727	1.763406	0.240004	7.347402	2.02E-13	2.29E-12	98.11763	77.18507	69.57314	312.4978	305.8928	



8313	ELAVL3	35.5995	1.762099	0.532352	3.310024	0.000933	0.002983	10.29964	9.853413	28.52499	66.96381	57.75599	40.19918
19206	BSPRY	2.753772	1.762	1.529606	1.151931	0.249349	0.34515	0.542086	1.094824	2.087194	2.232127	8.556443	2.009959
21196	LOC103220	1.87146	1.761566	2.071044	0.850569	0.395009	0.495438	0	1.094824	1.391463	4.464254	4.278221	0
19671	SLC35G6	2.337024	1.761209	1.638539	1.074866	0.282435	0.381721	0.542086	0.547412	2.087194	6.696381	2.139111	2.009959
4041	PDZD7	69.78552	1.760301	0.329596	5.340781	9.25E-08	6.09E-07	35.7777	26.82318	32.69937	89.28508	132.6249	101.5029
14315	C7	9.072771	1.76017	0.89861	1.958769	0.05014	0.093132	3.794605	2.189647	6.261582	22.32127	12.83466	7.034856
11092	CUNH16or	16.9749	1.759798	0.674937	2.607354	0.009124	0.021869	3.794605	7.663765	11.82743	20.08914	36.36488	22.10955
19596	LOC119626	2.78886	1.756539	1.616465	1.086654	0.27719	0.376031	0	1.094824	2.782925	6.696381	2.139111	4.019918
11094	SLC5A11	16.34873	1.75632	0.67378	2.606668	0.009143	0.021909	8.673382	3.284471	10.43597	26.78552	27.80844	21.10457
2761	S100A14	107.9651	1.756121	0.259872	6.75764	1.40E-11	1.35E-10	47.7036	45.43518	54.96278	151.7846	186.1026	161.8017
779	LRRN4CL	409.9959	1.755913	0.143616	12.2264	2.25E-34	7.67E-33	185.9356	186.12	189.9347	624.9956	643.8723	629.1171
22448	LOC119624	0.934843	1.755035	2.702492	0.649414	0.516071	0.611179	0.542086	0	0.695731	2.232127	2.139111	0
21306	TPD52L3	1.386679	1.75446	2.107902	0.832325	0.405226	0.505628	0	0.547412	1.391463	2.232127	2.139111	2.009959
10853	PIWIL4	15.48967	1.75409	0.659437	2.65998	0.007815	0.019142	5.96295	9.306001	6.261582	17.85702	21.39111	32.15934
20349	LOC103231	2.996316	1.753992	1.809555	0.969295	0.332398	0.434262	0	0	4.174388	2.232127	8.556443	3.014938
13865	C1QL3	9.145536	1.753036	0.860673	2.03682	0.041668	0.079895	5.420864	3.831883	3.478657	15.62489	6.417332	20.09959
20708	LOC119618	1.836739	1.7525	1.907039	0.918964	0.358114	0.459748	0.542086	0	2.087194	2.232127	2.139111	4.019918
8986	VIPR2	26.32565	1.75156	0.561179	3.121216	0.001801	0.005328	13.55216	8.211177	13.91463	42.41041	57.75599	22.10955
14754	LOC119625	9.565882	1.751338	0.93128	1.88057	0.06003	0.108168	4.336691	1.642235	6.957314	22.32127	17.11289	5.024897
402	HABP2	4971.215	1.75077	0.111696	15.67447	2.26E-55	1.50E-53	2110.884	2595.279	2127.547	7633.874	7217.359	8142.344
21169	TEX43	1.85313	1.750585	2.047156	0.85513	0.392479	0.492893	0	0.547412	2.087194	4.464254	0	4.019918
277	AOPEP	2166.258	1.750333	0.09785	17.88783	1.47E-71	1.41E-69	1057.611	954.6862	966.3709	3258.905	3337.013	3422.96
22458	CCDC192	0.93573	1.750188	2.701784	0.64779	0.517121	0.612095	0	0.547412	0.695731	2.232127	2.139111	0
22459	LOC103233	0.93573	1.750188	2.701784	0.64779	0.517121	0.612095	0	0.547412	0.695731	2.232127	2.139111	0
22460	LOC103245	0.93573	1.750188	2.701784	0.64779	0.517121	0.612095	0	0.547412	0.695731	2.232127	2.139111	0
16198	SKOR2	9.094389	1.74933	1.074963	1.627339	0.103665	0.170141	1.626259	4.379295	6.261582	15.62489	25.66933	1.004979
14443	LOC103235	10.3093	1.748365	0.90321	1.935723	0.052902	0.097375	4.878777	1.094824	8.348776	8.928508	23.53022	15.07469
15215	PRG4	8.097859	1.747887	0.974784	1.793102	0.072957	0.127476	2.168345	6.568942	2.087194	15.62489	17.11289	5.024897
19309	LOC119627	4.237868	1.747747	1.542602	1.132986	0.25722	0.354145	0.542086	4.379295	0.695731	13.39276	6.417332	0
15892	LOC119628	6.290656	1.74685	1.036194	1.685834	0.091828	0.153615	1.626259	2.737059	4.174388	15.62489	8.556443	5.024897
18992	LOC119619	3.01382	1.746578	1.471942	1.186581	0.235393	0.329503	1.626259	1.642235	0.695731	6.696381	6.417332	1.004979
15804	IRX4	5.977416	1.74595	1.026729	1.700497	0.089038	0.149776	3.794605	2.189647	2.087194	8.928508	12.83466	6.029877
12299	LOC119620	14.67262	1.745904	0.744584	2.344805	0.019037	0.04115	6.505036	9.853413	3.478657	15.62489	38.50399	14.06971
981	CA11	918.2784	1.745037	0.157404	11.08635	1.46E-28	3.96E-27	354.5245	524.9679	386.1309	1462.043	1351.918	1030.086
7910	LOC119624	35.73065	1.744849	0.507941	3.435143	0.000592	0.00199	9.757555	13.13788	26.43779	49.10679	72.72976	43.21412
587	PRRT3	993.9351	1.744418	0.126923	13.74387	5.54E-43	2.51E-41	411.4436	506.9033	453.6169	1540.168	1437.482	1613.997
799	IL6R	421.2934	1.744217	0.144291	12.08817	1.22E-33	4.06E-32	184.3094	197.0683	200.3706	649.549	633.1768	663.2864
5757	LOC103247	47.43677	1.744152	0.405924	4.296741	1.73E-05	8.00E-05	25.47806	23.53871	16.69755	78.12444	51.33866	89.44317
22841	LOC119624	0.91934	1.743859	2.971817	0.586799	0.557339	0.648695	0.542086	0	0.695731	0	4.278221	0
18159	TRNAP-CG	3.483465	1.743545	1.330194	1.310745	0.189944	0.27808	1.626259	1.094824	2.087194	8.928508	2.139111	5.024897
11311	CITED1	17.25532	1.74345	0.682178	2.555712	0.010597	0.024907	5.420864	7.116354	11.1317	17.85702	44.92132	17.08465
635	OAS2	581.3311	1.743124	0.131575	13.2481	4.63E-40	1.94E-38	260.2015	281.3697	261.595	888.3865	857.7834	938.6508
11816	LOC103227	15.71094	1.742297	0.712792	2.444328	0.014512	0.032651	4.878777	9.306001	7.653045	8.928508	36.36488	27.13445
15654	LOC119627	7.923464	1.741944	1.010303	1.72418	0.084675	0.143803	5.420864	1.094824	4.174388	17.85702	14.97377	4.019918
325	RHOBTB1	3290.325	1.741859	0.103505	16.8288	1.50E-63	1.23E-61	1478.812	1645.52	1421.379	4874.965	4879.311	5441.964
12772	DAO	11.35564	1.74102	0.775097	2.246197	0.024691	0.051395	4.336691	5.474118	5.565851	22.32127	21.39111	9.044815
3923	MPZL3	75.56746	1.739923	0.320697	5.425434	5.78E-08	3.92E-07	36.31979	32.2973	36.17803	84.82083	141.1813	122.6075
12892	FAM133A	11.56718	1.739524	0.783495	2.22021	0.026405	0.05445	3.794605	4.379295	7.653045	17.85702	25.66933	10.04979
733	ARHGAP24	720.7617	1.739208	0.138129	12.5912	2.36E-36	8.56E-35	295.4371	380.4512	320.7322	1116.063	1097.364	1114.522
22850	LOC119626	0.920227	1.738758	2.971009	0.585241	0.558385	0.649629	0	0.547412	0.695731	0	4.278221	0
11694	LOC103233	17.65954	1.73846	0.703165	2.472336	0.013423	0.030516	4.336691	6.02153	13.91463	31.24978	36.36488	14.06971
10019	COL28A1	22.5716	1.73831	0.608461	2.856897	0.004278	0.011352	8.673382	11.49565	10.43597	49.10679	40.6431	15.07469
721	LRFN5	660.9113	1.738261	0.137418	12.64943	1.13E-36	4.15E-35	336.0935	289.5808	290.12	993.2965	951.9042	1104.472
16172	LOC103234	5.548715	1.73813	1.064903	1.632195	0.102638	0.168726	1.626259	3.831883	2.087194	11.16063	8.556443	6.029877
1264	LOC119628	648.1724	1.737632	0.174549	9.95499	2.40E-23	5.004E-22	319.2889	236.4819	342.2998	1127.224	840.6705	1023.069
8432	PDGFRB	30.13115	1.737231	0.530773	3.27302	0.001064	0.003354	11.38381	9.853413	20.17621	51.33892	59.8951	28.13943
6900	LOC103224	43.83607	1.737084	0.459984	3.776404	0.000159	0.000613	16.26259	21.34906	22.2634	78.12444	89.84265	35.17428
9387	WNT5B	26.26638	1.736933	0.577061	3.009964	0.002613	0.0074	7.047123	10.94824	18.08902	51.33892	47.06043	23.11453
693	RASGRP3	509.3896	1.736733	0.13505	12.85997	7.56E-38	2.90E-36	226.5921	246.8827	231.6785	799.1015	772.219	779.8641
17141	LOC103227	4.613872	1.736228	1.177923	1.473975	0.140488	0.217892	1.084173	3.831883	1.391463	8.928508	6.417332	6.029877
21253	LOC103217	1.890158	1.735405	2.062023	0.841603	0.40001	0.500366	0	0.547412	2.087194	6.696381	0	2.009959
21791	LOC119618	1.371176	1.734627	2.279652	0.760918	0.446706	0.544981	0	0.547412	1.391463	0	4.278221	2.009959
20827	MSMB	2.343934	1.734326	1.925341	0.900789	0.367701	0.469358	0	1.094824	2.087194	4.464254	6.417332	0
11344	DDX4	16.74561	1.7338	0.680515	2.547775	0.010841	0.025407	6.505036	8.211177	8.348776	13.39276	44.92132	19.09461
10178	LOC103219	20.90943	1.733768	0.614831	2.819908	0.004804	0.012547	8.673382	12.04306	7.653045	44.64254	36.36488	16.07967
1017	MROH1	2066.743	1.733461	0.158856	10.91218	1.01E-27	2.64E-26	1104.772	729.6999	1035.248	2928.551	2954.112	3648.075
13689	LOC103233	9.036428	1.730709	0.835523	2.071408	0.038321	0.074421	4.336691	3.831883	4.174388	17.85702	14.97377	9.044815
8349	LOC103236	33.81421	1.729878	0.524715	3.296793	0.000978	0.003114	12.46799	8.211177	26.43779	55.80317	57.75599	42.20914
6748	LOC119619	34.64901	1.729817	0.450688	3.838171	0.000124	0.000488	18.43094	12.04306	18.08902	42.41041	55.61688	61.30375
5806	LOC103230	57.74996	1.729462	0.404944	4.270867	1.95E-05	8.92E-05	20.59928	22.9913	36.17803	98.21359	111.2338	57.28383
5249	PCDH18	51.02078	1.729366	0.379822	4.553098	5.29E-							



13211	BIRC7	13.08578	1.726277	0.797074	2.165766	0.030329	0.061032	2.710432	4.379295	11.1317	31.24978	14.97377	14.06971
15557	LOC103225	6.993426	1.725968	0.994981	1.734675	0.082798	0.141483	2.168345	2.737059	4.87012	17.85702	4.278221	10.04979
6141	LOC119624	55.07773	1.72578	0.420826	4.100932	4.11E-05	0.000178	27.10432	13.6853	36.17803	71.42806	102.6773	79.39338
13528	LOC119621	10.79765	1.72488	0.820489	2.10226	0.035531	0.069824	6.505036	5.474118	2.782925	11.16063	27.80844	11.05477
1959	LOC103228	161.6527	1.724334	0.213619	8.072026	6.91E-16	9.38E-15	72.63957	74.99542	77.22618	272.3195	239.5804	233.1552
15319	KREMEN2	7.480148	1.72413	0.970594	1.776367	0.075673	0.131324	2.710432	3.284471	4.174388	17.85702	12.83466	4.019918
20021	LOC103246	3.919738	1.723273	1.682259	1.024381	0.305655	0.405866	0	0	5.565851	2.232127	10.69555	5.024897
15669	PPY	6.180789	1.723221	1.000411	1.722514	0.084977	0.144177	3.794605	2.189647	2.782925	6.696381	8.556443	13.06473
12611	STH	12.99957	1.722654	0.75542	2.280393	0.022584	0.04761	9.757555	4.379295	4.174388	11.16063	21.39111	27.13445
9494	LMAN1L	22.16921	1.722366	0.57694	2.985348	0.002833	0.007932	9.757555	6.568942	14.61036	29.01765	44.92132	28.13943
10642	CUNH2orf	19.64383	1.72235	0.636006	2.708071	0.006768	0.016905	5.96295	14.78012	6.261582	31.24978	38.50399	21.10457
13667	CST5	11.11225	1.721951	0.829868	2.074968	0.037989	0.073897	4.336691	2.737059	8.348776	13.39276	27.80844	10.04979
19170	LOC103242	3.43962	1.721488	1.487173	1.157557	0.247045	0.342596	0	2.737059	2.087194	2.232127	8.556443	5.024897
16301	ADGRG7	5.798701	1.721056	1.071359	1.606424	0.108181	0.17643	2.168345	1.094824	4.87012	8.928508	10.69555	7.034856
17925	SPATS1	5.605799	1.720744	1.269135	1.355584	0.17515	0.259769	1.626259	0	6.261582	11.16063	8.556443	6.029877
16977	F10	6.56483	1.719671	1.149318	1.496253	0.134588	0.210764	0.542086	1.642235	6.957314	13.39276	12.83466	4.019918
17337	LOC103235	4.149728	1.719492	1.192697	1.441683	0.149392	0.229081	1.626259	2.737059	1.391463	6.696381	6.417332	6.029877
17485	RGN	4.150616	1.719047	1.215978	1.413715	0.157446	0.239388	1.084173	3.284471	1.391463	6.696381	6.417332	6.029877
11690	ZMYND15	19.21907	1.718801	0.69493	2.473346	0.013385	0.030441	6.505036	8.211177	11.82743	20.08914	55.61688	13.06473
917	GFPT2	943.4322	1.718589	0.150662	11.40691	3.86E-30	1.12E-28	430.9587	512.9249	376.3907	1412.936	1296.301	1631.082
18636	FCN1	5.852946	1.718448	1.392275	1.234274	0.217101	0.309867	0	0.547412	7.653045	8.928508	14.97377	3.014938
19053	CUNH3orf	2.987784	1.717947	1.460105	1.176591	0.239359	0.333982	0.542086	2.189647	1.391463	2.232127	8.556443	3.014938
13915	CMTM2	9.044758	1.71769	0.847086	2.027764	0.042584	0.081359	4.878777	2.737059	4.87012	15.62489	17.11289	9.044815
20268	ACOT12	3.319887	1.717678	1.743849	0.984993	0.324628	0.425806	0	1.094824	3.478657	8.928508	6.417332	0
5129	LXN	47.11922	1.716247	0.371967	4.613978	3.95E-06	2.05E-05	19.51511	23.53871	22.95914	75.89232	68.45154	72.35852
10183	LOC119618	19.95824	1.715501	0.608588	2.81882	0.00482	0.012584	7.589209	8.211177	11.82743	31.24978	42.78221	18.08963
2383	LOC119625	187.701	1.715402	0.235028	7.298699	2.91E-13	3.24E-12	107.8752	70.06871	84.1835	270.0874	333.7013	260.2897
585	LOC103224	977.1131	1.715255	0.124578	13.76849	3.94E-43	1.79E-41	462.9418	425.8864	482.8376	1457.579	1388.283	1645.151
774	METTL7B	118.0329	1.71495	0.13952	12.29176	1.00E-34	3.44E-33	304.6525	386.4727	315.1663	1078.117	1078.112	1145.677
579	TRIB1	8994.48	1.714538	0.124066	13.81954	1.94E-43	8.92E-42	3801.652	5041.663	3760.428	13394.99	13442.17	14525.97
13474	LOC119627	12.83788	1.713256	0.811145	2.112145	0.034674	0.068414	9.215468	2.189647	6.261582	26.78552	23.53022	9.044815
17947	TEX50	4.362155	1.713096	1.267458	1.351599	0.176504	0.261464	0.542086	2.189647	3.478657	2.232127	10.69555	7.034856
5081	WNT11	49.75152	1.712947	0.368947	4.642801	3.44E-06	1.80E-05	25.47806	20.25424	24.3506	64.73168	81.28621	82.40832
2218	LOC119626	357.8576	1.712649	0.226321	7.567337	3.81E-14	4.57E-13	189.1881	127.547	187.8475	477.6752	451.3524	713.5354
13817	OVGP1	10.64928	1.710832	0.836563	2.045072	0.040848	0.078594	8.131296	4.379295	2.087194	17.85702	21.39111	10.04979
15364	TMEM26	8.324281	1.710665	0.968228	1.766801	0.077262	0.133706	3.794605	2.189647	5.565851	6.696381	25.66933	6.029877
21112	LOC119621	1.581887	1.71066	1.981389	0.863364	0.387937	0.488505	1.084173	0.547412	0.695731	0	2.139111	5.024897
21468	ALLC	1.911683	1.710394	2.117903	0.807588	0.419328	0.51918	0	0.547412	2.087194	6.696381	2.139111	0
20160	MEIKIN	3.214825	1.709483	1.706304	1.001863	0.31641	0.41725	0	1.094824	3.478657	0	10.69555	4.019918
384	LOC119623	2154.31	1.709233	0.107138	15.9535	2.69E-57	1.86E-55	942.6882	1116.173	969.1538	3232.12	3240.753	3424.97
1893	CCDC102B	249.668	1.70921	0.208259	8.207137	2.27E-16	3.18E-15	106.2489	135.7581	107.1426	457.586	363.6488	327.6233
530	YPEL3	929.6652	1.708162	0.119811	14.25717	4.05E-46	2.03E-44	414.6961	469.6793	423.7004	1433.026	1345.501	1491.39
18344	LOC103228	4.205393	1.707672	1.339061	1.275276	0.202212	0.293055	0.542086	0.547412	4.87012	6.696381	8.556443	4.019918
15186	LOC119615	7.923036	1.707374	0.949393	1.798386	0.072116	0.126248	3.794605	1.642235	5.565851	13.39276	17.11289	6.029877
9526	LOC119627	26.98795	1.706955	0.57323	2.977784	0.002903	0.008103	6.505036	19.15941	11.82743	49.10679	49.19955	26.12947
1320	SCN1B	339.086	1.706327	0.174217	9.794267	1.19E-22	2.40E-21	178.3464	139.59	160.7139	493.3001	487.7172	574.8483
19437	CUNH5orf	3.513676	1.706072	1.534405	1.111878	0.26619	0.364083	0	2.737059	2.087194	6.696381	8.556443	1.004979
1608	ZNFX616	240.8006	1.705397	0.190266	8.963204	3.15E-19	5.21E-18	109.5014	124.2625	104.3597	345.9797	414.9875	345.7129
14982	LOC103248	7.597678	1.705274	0.928174	1.837234	0.066175	0.117426	2.168345	4.379295	4.174388	6.696381	17.11289	11.05477
668	ITPKB	951.2723	1.704878	0.131092	13.00517	1.14E-38	4.55E-37	448.3054	491.0284	400.7413	1513.382	1315.553	1538.624
8716	LOC103220	18.02002	1.704709	0.533001	3.198321	0.001382	0.004216	9.215468	19.15941	11.1317	53.57105	27.80844	47.23404
12035	LOC103228	14.96448	1.704627	0.710297	2.399877	0.016401	0.036228	4.878777	4.926706	11.1317	31.24978	23.53022	14.06971
17555	LOC119627	4.884331	1.703786	1.211578	1.406253	0.159649	0.24177	0.542086	1.642235	4.87012	8.928508	4.278221	9.044815
15263	LOC103240	9.566304	1.702928	0.953676	1.785646	0.074157	0.129166	4.878777	2.737059	5.565851	13.39276	27.80844	3.014938
16721	LOC119625	5.111066	1.702608	1.106653	1.53852	0.123922	0.197025	1.084173	3.284471	2.782925	8.928508	8.556443	6.029877
20334	DBX1	2.347129	1.701685	1.751414	0.971607	0.331246	0.433077	0	0.547412	2.782925	4.462454	4.278221	2.009959
14798	LOC103227	7.371169	1.701293	0.908199	1.87326	0.061032	0.109646	4.336691	3.284471	2.782925	8.928508	12.83466	12.05975
4023	LOC119624	81.08545	1.700809	0.317605	5.355115	8.55E-08	5.65E-07	46.61943	29.01283	38.26523	122.767	143.3204	106.5278
16138	LOC103223	6.034488	1.700257	1.036961	1.639654	0.101077	0.166522	1.084173	3.284471	4.174388	8.928508	10.69555	8.039836
976	CBR3	357.9177	1.69955	0.152981	11.10954	1.13E-28	3.07E-27	172.9256	171.8873	160.0182	566.9603	539.0559	536.659
522	MTSS1	1859.892	1.699338	0.118435	14.34832	1.09E-46	5.56E-45	815.2979	996.8369	816.0929	2761.141	2753.035	3016.948
7708	LOC103215	27.76472	1.698911	0.486736	3.490418	0.000482	0.001663	16.26259	10.40082	12.52316	42.41041	42.78221	42.20914
10564	LOC103247	20.79931	1.69889	0.622316	2.729947	0.006334	0.015941	4.878777	10.40082	13.91463	42.41041	32.08666	21.10457
16931	LOC119627	5.616486	1.698814	1.131031	1.502005	0.133096	0.208992	1.626259	3.284471	2.782925	11.16063	12.83466	2.009959
11549	MORN5	16.63445	1.698447	0.678219	2.504274	0.01227	0.028245	11.38381	3.284471	9.044508	24.5534	21.39111	30.14938
14173	LOC103233	9.303845	1.697439	0.856543	1.981733	0.047509	0.089104	2.710432	6.02153	4.174388	15.62489	19.252	8.039836
13065	LOC119615	15.39029	1.697175	0.773618	1.293817	0.028249	0.057472	4.878777	11.49565	4.87012	24.5534	38.50399	8.039836
7586	LOC119627	30.47979	1.696529	0.48052	3.530611	0.000415	0.001453	17.34676	12.04306	13.2189	58.0353	47.06043	35.17428
1536	LRMDA	227.9284	1.696341	0.185574	9.14107	6.18E-20	1.07E-18	111.6698	102.9134	107.1426	343.7476	376.4835	325.6133
8150	LOC103214	25.04261	1.696142	0.504115	3.364591	0.000767	0.002501	10.29964	13.13788	11.82743	4		



14856	YJEFN3	8.627214	1.694232	0.91024	1.861302	0.062702	0.112205	3.252518	3.831883	4.87012	13.39276	21.39111	5.024897
5840	NEFM	70.75474	1.694187	0.398323	4.253295	2.11E-05	9.59E-05	24.39389	38.31883	36.87376	82.5887	168.9897	73.3635
17042	OXCT2	8.715304	1.693669	1.138841	1.487187	0.136965	0.213647	3.252518	0	9.044508	17.85702	17.11289	5.024897
17039	CDX1	8.989266	1.693572	1.138682	1.487309	0.136933	0.213638	0	3.831883	9.044508	4.464254	23.53022	13.06473
463	RALGDS	1759.427	1.693416	0.113344	14.94053	1.80E-50	1.03E-48	874.9274	856.6995	763.2173	2629.446	2502.759	2929.515
19739	LOC103240	3.323307	1.692766	1.593593	1.062233	0.28813	0.388063	2.710432	1.094824	0.695731	11.16063	4.278221	0
14833	TTLI9	8.694727	1.692612	0.907582	1.864969	0.062186	0.111455	3.794605	2.189647	6.261582	22.32127	8.556443	9.044815
22158	NBPF4	1.130939	1.691217	2.421006	0.69856	0.484827	0.581692	1.084173	0.547412	0	0	2.139111	3.014938
11973	TMEM116	13.37807	1.690903	0.70125	2.41127	0.015897	0.035298	8.131296	6.568942	4.174388	15.62489	25.66933	20.09959
713	RBPMS	847.8029	1.690098	0.132987	12.70873	5.29E-37	1.97E-35	372.4133	460.3733	370.1291	1323.651	1257.797	1302.453
18213	LOC103231	5.643868	1.68986	1.300753	1.29914	0.193896	0.283024	0	4.379295	3.478657	11.16063	12.83466	2.009959
17857	LOC103214	4.453133	1.689576	1.235029	1.368045	0.171298	0.255024	1.626259	0.547412	4.174388	8.928508	6.417332	5.024897
303	CLIP2	6960.616	1.688944	0.097092	17.39535	8.95E-68	7.85E-66	3367.441	3334.833	3187.841	10419.57	9799.266	11654.75
22574	LOC119620	1.130051	1.688876	2.683872	0.629268	0.529173	0.623186	1.626259	0	0	0	2.139111	3.014938
11001	LOC119621	17.36669	1.687278	0.641839	2.628819	0.008568	0.020706	10.29964	7.116354	6.957314	20.08914	40.6431	19.09461
18554	LOC103241	5.151228	1.687044	1.357674	1.242599	0.214016	0.306651	0	1.094824	6.261582	6.696381	12.83466	4.019918
22881	LOC103221	0.938925	1.686357	2.897031	0.582098	0.560501	0.65115	0	0	1.391463	2.232127	0	2.009959
22882	LOC103230	0.938925	1.686357	2.897031	0.582098	0.560501	0.65115	0	0	1.391463	2.232127	0	2.009959
22883	LOC119621	0.938925	1.686357	2.897031	0.582098	0.560501	0.65115	0	0	1.391463	2.232127	0	2.009959
22884	LOC119620	0.938925	1.686357	2.897031	0.582098	0.560501	0.65115	0	0	1.391463	2.232127	0	2.009959
574	EFNB1	3069.729	1.68477	0.121636	13.85092	1.26E-43	5.82E-42	1594.276	1275.47	1502.78	4734.341	4184.1	5127.405
19719	LOC103220	2.784575	1.684765	1.58044	1.06601	0.286419	0.386148	1.626259	2.189647	0	4.464254	6.417332	2.009959
21190	LOC103211	1.618022	1.684036	1.976487	0.852035	0.394195	0.494557	1.626259	0	0.695731	2.232127	2.139111	3.014938
20706	LOC119621	1.619803	1.681884	1.829255	0.919437	0.357867	0.459475	0.542086	1.094824	0.695731	2.232127	2.139111	3.014938
410	STON2	1654.027	1.681701	0.108182	15.54511	1.72E-54	1.11E-52	742.6583	862.721	753.4771	2470.965	2498.481	2595.862
3118	SYNGR4	120.0108	1.681537	0.268746	6.256964	3.93E-10	3.35E-09	42.82482	65.14201	64.00729	167.4095	179.6853	200.9959
13222	LOC103211	12.81347	1.681186	0.776752	2.164378	0.030435	0.061195	9.215468	6.568942	2.087194	24.5534	21.39111	13.06473
11174	MYT1	25.95249	1.68101	0.649941	2.586402	0.009698	0.023074	7.047123	8.211177	21.56767	33.4819	66.31243	19.09461
10643	LOC119620	18.9971	1.680863	0.62069	2.708053	0.006768	0.016905	5.420864	9.306001	12.52316	20.08914	38.50399	28.13943
16674	LOC103231	5.587787	1.680325	1.087175	1.545588	0.122204	0.19483	2.168345	2.189647	3.478657	6.696381	14.97377	4.019918
7321	LOC103241	36.30271	1.680191	0.463305	3.626535	0.000287	0.001043	11.9259	18.06459	22.2634	37.94616	66.31243	61.30375
667	SCARA3	2263.381	1.679596	0.129141	13.00596	1.13E-38	4.51E-37	1004.486	1262.332	964.9794	3424.083	3180.858	3743.549
7931	RAB37	362.61471	1.678833	0.489385	3.403496	0.000602	0.00202	20.0572	15.32753	10.43597	55.80317	59.8951	34.1693
561	PDLM2	1738.796	1.678823	0.119424	14.05767	6.91E-45	3.28E-43	894.9846	732.437	857.141	2749.98	2421.473	2776.758
19568	FAM110D	3.795555	1.678568	1.541382	1.089002	0.276153	0.37518	0	0.547412	4.87012	8.928508	6.417332	2.009959
19251	LOC103241	3.501368	1.678315	1.466286	1.144603	0.252374	0.348504	0	2.189647	2.782925	4.464254	8.556443	3.014938
6612	LOC119621	38.01524	1.67818	0.430459	3.898583	9.68E-05	0.000389	17.34676	23.53871	13.2189	55.80317	59.8951	58.28881
10420	GAL3ST4	35.17502	1.677425	0.607417	2.761571	0.005752	0.014676	6.505036	10.40082	33.39511	60.26743	66.31243	34.1693
7205	LOC119621	33.86743	1.677264	0.457558	3.665684	0.000247	0.00091	14.09425	18.612	15.30609	69.19594	42.78221	43.21412
307	LGMN	14213.73	1.675916	0.096778	17.31714	3.49E-67	3.02E-65	6636.221	7211.056	6483.521	21816.81	19825.28	23309.49
451	TRPS1	5602.307	1.674641	0.110995	15.08748	1.96E-51	1.15E-49	2433.426	3085.76	2498.371	8410.654	8513.66	8671.968
10361	ZNFG65	18.58346	1.674548	0.603676	2.773921	0.005539	0.014211	9.215468	11.49565	5.565851	29.01765	32.08666	24.11951
15515	LOC103231	7.942193	1.674468	0.962007	1.740598	0.081754	0.140086	1.626259	2.189647	7.653045	11.16063	14.97377	10.04979
349	BCAM	3047.179	1.672417	0.101732	16.43939	9.99E-61	7.61E-59	1453.876	1435.314	1480.516	4629.431	4226.883	5057.057
22329	LOC103221	1.426901	1.672179	2.494639	0.670309	0.502661	0.59847	0	0	2.087194	4.464254	0	2.009959
22217	LOC103211	1.18347	1.671662	2.424073	0.689609	0.49044	0.586864	1.084173	0.547412	0	4.464254	0	1.004979
14317	LOC119621	14.80154	1.671659	0.853688	1.958161	0.050211	0.093234	4.878777	1.094824	15.30609	26.78552	25.66933	15.07469
19168	THEMIS	3.014811	1.671646	1.443711	1.157881	0.246913	0.342455	1.084173	0.547412	2.782925	2.232127	6.417332	5.024897
650	CPT1A	1214.571	1.671645	0.12724	13.13768	2.00E-39	8.19E-38	602.258	623.5021	516.2327	1863.826	1670.645	20.0964
12644	LOC103231	12.14105	1.671109	0.73554	2.271947	0.02309	0.048548	4.336691	6.568942	6.261582	20.08914	23.53022	12.05975
16822	DAZL	7.287669	1.671059	1.098367	1.521403	0.128159	0.202538	2.710432	3.284471	4.174388	11.16063	21.39111	1.004979
15372	LOC103231	6.966466	1.670621	0.94644	1.765163	0.077536	0.134095	4.336691	2.737059	2.782925	8.928508	14.97377	8.039836
4073	LOC119621	71.95348	1.670011	0.314096	5.31689	1.06E-07	6.89E-07	39.5723	35.58177	27.82925	102.6778	115.512	110.5477
6372	LOC103241	48.36739	1.668792	0.417898	3.993304	6.52E-05	0.000272	15.7205	30.10765	22.95914	82.5887	85.56443	53.26391
8775	LOC119611	24.83426	1.667941	0.524388	3.180741	0.001469	0.004451	9.757555	15.32753	10.43597	31.24978	47.06043	35.17428
8532	STAG3	47.6399	1.667464	0.51371	3.245922	0.001171	0.003648	9.757555	20.25424	38.26523	80.35657	91.98176	45.22408
14826	LOC103221	7.684207	1.667321	0.892868	1.867377	0.061849	0.110903	3.252518	4.926706	2.782925	13.39276	10.69555	11.05477
17078	LOC119621	6.259908	1.666971	1.123123	1.484229	0.137748	0.21443	0.542086	4.926706	3.478657	4.464254	17.11289	7.034856
18497	FND8	4.946966	1.666578	1.329094	1.25392	0.209871	0.301974	0	1.642235	5.565851	11.16063	4.278221	7.034856
14940	LOC119611	8.221163	1.665854	0.901935	1.846977	0.06475	0.115205	5.420864	2.737059	3.478657	20.08914	8.556443	9.044815
12434	MMP17	26.81049	1.665676	0.719591	2.314754	0.020626	0.044101	6.505036	4.379295	27.82925	24.5534	68.45154	29.1444
13965	LBHD2	10.19482	1.665496	0.824921	2.018976	0.04349	0.082792	6.505036	3.831883	4.174388	8.928508	25.66933	12.05975
677	QPCT	651.5782	1.665208	0.128733	12.93538	2.84E-38	1.12E-36	332.2989	295.6024	310.2962	984.368	949.7651	1037.139
3048	LOC103234	135.4412	1.663931	0.262317	6.343199	2.25E-10	1.96E-09	55.29281	76.63765	63.31155	158.481	243.8586	215.0656
22946	LOC119621	0.923422	1.66337	2.911977	0.571217	0.567853	0.657822	0	0	1.391463	0	2.139111	2.009959
22947	MRM3	0.923422	1.66337	2.911977	0.571217	0.567853	0.657822	0	0	1.391463	0	2.139111	2.009959
22948	LOC103221	0.923422	1.66337	2.911977	0.571217	0.567853	0.657822	0	0	1.391463	0	2.139111	2.009959
22949	LOC103211	0.923422	1.66337	2.911977	0.571217	0.567853	0.657822	0	0	1.391463	0	2.139111	2.009959
14311	LOC103231	8.855308	1.663354	0.849156	1.958832	0.050132	0.093129	3.252518	3.284471	6.261582	11.16063	17.11289	12.05975
520	PPP1R3B	2176.384	1.663286	0.115721	14.37323	7.62E-47	3.90E-45	1039.722	1159.966	934.3672	3316.941	3088.876	3518.433
1092	SLC12A5	332.7254	1.662839	0.157741	10.5416	5.55E-26	1.35E-24	164.7943	156.5598	158.6268	479.9073	504.8301	



940	OAS1	575.9695	1.662152	0.14758	11.26273	2.00E-29	5.67E-28	301.4	285.2016	244.2017	828.1191	832.114	964.7803
300	EMC3	5792.321	1.661926	0.095116	17.47263	2.32E-68	2.05E-66	2939.734	2517.547	2888.677	8839.223	8800.301	8768.446
429	VASH1	2537.235	1.660746	0.108409	15.31925	5.69E-53	3.52E-51	1246.257	1183.504	1232.14	3727.652	3529.533	4304.327
1571	RRAGD	227.9516	1.660524	0.183546	9.046929	1.47E-19	2.49E-18	108.4173	117.6935	102.2725	348.2118	344.3968	346.7179
16276	KLK8	7.498154	1.660113	1.029543	1.612476	0.106858	0.174541	1.084173	2.737059	6.957314	8.928508	19.252	6.029877
22302	LOC119618	1.167079	1.659397	2.460096	0.674525	0.499977	0.595969	1.626259	0	0	2.232127	2.139111	1.004979
22303	ZNF516-DT	1.167079	1.659397	2.460096	0.674525	0.499977	0.595969	1.626259	0	0	2.232127	2.139111	1.004979
6410	LOC103247	41.14756	1.659279	0.417457	3.97473	7.05E-05	0.000292	16.26259	24.08612	18.78475	78.12444	51.33866	58.28881
20358	LOC103227	2.353212	1.65923	1.713932	0.968084	0.333002	0.434859	1.084173	2.189647	0	6.696381	2.139111	2.009959
16394	SNTG2	6.362306	1.658628	1.043713	1.589161	0.112024	0.18165	2.168345	3.284471	3.478657	13.39276	12.83466	3.014938
4519	ACKR4	74.44388	1.658575	0.331623	5.001391	5.69E-07	3.35E-06	27.10432	39.41365	41.04815	91.51721	139.0422	108.5378
15920	LOC103227	6.328473	1.657796	0.986137	1.681101	0.092743	0.154873	2.168345	2.737059	4.174388	11.16063	10.69555	7.034856
6282	LOC103247	42.15234	1.65686	0.410406	4.037129	5.41E-05	0.000229	18.43094	24.63353	17.39328	58.0353	79.14709	55.27387
3691	INKA2	102.1275	1.656801	0.293255	5.649697	1.61E-08	1.16E-07	56.37698	39.41365	50.78839	158.481	186.1026	121.6025
12893	LOC103237	13.8805	1.656341	0.746068	2.220094	0.026412	0.054462	8.673382	3.831883	7.653045	8.928508	32.08666	22.10955
21147	LOC119627	2.334821	1.656221	1.929091	0.85855	0.390589	0.49103	0	0	3.478657	2.232127	4.278221	4.019918
7969	MCF2L2	29.97826	1.655544	0.484179	3.419283	0.000628	0.002095	10.29964	14.23271	18.78475	53.57105	42.78221	40.19918
20770	LOC103237	2.143032	1.655534	1.823587	0.907845	0.36396	0.465859	1.626259	0	1.391463	6.696381	2.139111	1.004979
8488	LOC103237	27.30811	1.65489	0.507918	3.258185	0.001121	0.003511	16.26259	10.94824	11.82743	40.17829	53.47777	31.15436
20392	CNDP1	2.633671	1.653867	1.717495	0.962953	0.335571	0.437483	0	1.642235	2.087194	8.928508	2.139111	1.004979
14215	LOC103237	9.121744	1.653865	0.83769	1.974317	0.048346	0.090417	4.336691	2.737059	6.261582	15.62489	10.69555	15.07469
18796	LOC103226	4.151773	1.653548	1.356736	1.218769	0.222932	0.315314	2.168345	1.094824	2.782925	0	12.83466	6.029877
17204	LCN15	5.455806	1.652365	1.126195	1.467211	0.142319	0.219922	3.252518	1.642235	2.782925	15.62489	6.417332	3.014938
9837	CHRNA2	20.39059	1.651763	0.56998	2.897931	0.003756	0.010152	7.589209	9.306001	12.52316	35.71403	32.08666	25.12449
22671	LOC119627	1.151577	1.651529	2.70054	0.611555	0.540832	0.634203	1.626259	0	0	0	4.278221	1.004979
4112	TMEM191B	68.14196	1.65054	0.312306	5.285009	1.26E-07	8.13E-07	33.60935	30.65506	34.78657	107.1421	94.12087	108.5378
17456	CYP2E1	4.709558	1.649625	1.163399	1.417936	0.156209	0.237902	1.084173	2.189647	3.478657	8.928508	8.556443	4.019918
9061	CDH20	33.59635	1.649432	0.533395	3.092326	0.001986	0.005827	16.80468	19.15941	11.82743	55.80317	74.86887	23.11453
21179	LOC103218	2.077661	1.649224	1.932165	0.853563	0.393347	0.49375	0	1.642235	1.391463	0	6.417332	3.014938
18136	LOC119618	4.988468	1.649221	1.253956	1.315215	0.188438	0.276225	3.794605	1.094824	2.087194	13.39276	8.556443	1.004979
11807	LOC103237	25.00206	1.648779	0.673615	2.44766	0.014379	0.032375	11.9259	13.13788	10.43597	66.96381	38.50399	9.044815
22328	F9	1.169742	1.648656	2.458886	0.670489	0.502546	0.598377	0	1.642235	0	2.232127	2.139111	1.004979
502	GABRA2	3040.151	1.648355	0.112718	14.62375	1.98E-48	1.05E-46	1349.795	1684.386	1377.548	4495.504	4601.227	4732.448
665	PBP2R2B	1135.004	1.648233	0.126403	13.03956	7.29E-39	2.91E-37	538.8339	624.0495	483.5333	1691.952	1271.984	1749.669
1225	LOC119627	371.786	1.647985	0.163417	10.08454	6.47E-24	1.40E-22	171.8414	172.4347	196.892	589.2815	496.2737	603.9927
22041	LOC103236	1.828739	1.647982	2.295141	0.718031	0.472738	0.570155	2.710432	0	0	2.232127	0	6.029877
21576	SST	1.883872	1.64769	2.078553	0.79271	0.427947	0.527297	0	0	2.782925	2.232127	4.278221	2.009959
19785	UTS2	2.583448	1.647545	1.560476	1.055796	0.291061	0.391098	0.542086	0.547412	2.782925	4.464254	2.139111	5.024897
16773	LOC119627	5.929168	1.647534	1.076909	1.529874	0.126048	0.199785	2.710432	2.189647	3.478657	15.62489	8.556443	3.014938
20760	LOC119627	2.547472	1.646711	1.809837	0.909867	0.362893	0.464716	1.626259	0	2.087194	0	8.556443	3.014938
407	PML	2991.023	1.64637	0.105567	15.59556	7.80E-55	5.10E-53	1338.411	1562.861	1446.426	4363.808	4342.395	4892.24
10140	LOC103218	23.22225	1.646267	0.581801	2.829604	0.004661	0.012219	9.757555	6.02153	18.08902	37.94616	36.36488	31.15436
11335	LOC119627	16.37149	1.645791	0.6456	2.549242	0.010796	0.02532	4.878777	10.40082	8.348776	24.5534	29.94755	20.09959
3981	FAM78A	80.64138	1.645616	0.305388	5.3886	7.10E-08	4.74E-07	34.69353	36.12918	45.91827	138.3919	126.2075	102.5079
7132	LOC103218	36.56843	1.6453	0.446423	3.685514	0.000228	0.000851	16.80468	23.53871	12.52316	49.10679	64.17332	53.26391
550	LGR4	3720.589	1.643778	0.116312	14.13253	2.39E-45	1.16E-43	1725.461	2070.859	1616.184	5299.069	5666.504	5945.459
12317	CD226	13.52941	1.643586	0.701645	2.342475	0.019156	0.041349	4.336691	7.663765	7.653045	15.62489	27.80844	18.08963
21987	CRCT1	1.167967	1.643	2.251572	0.729712	0.465566	0.562915	1.084173	0.547412	0	2.232127	2.139111	1.004979
19369	FBXO39	2.824798	1.642294	1.45984	1.124982	0.260597	0.357683	1.626259	1.642235	0.695731	6.696381	4.278221	2.009959
5443	LOC119627	59.2934	1.642134	0.369665	4.442222	8.90E-06	4.35E-05	20.0572	38.31883	27.82925	82.5887	100.5382	86.42823
3438	LOC119627	144.917	1.640677	0.277529	5.911733	3.39E-09	2.62E-08	50.95612	85.39624	73.74753	225.4448	263.1106	170.8465
22706	LOC119627	1.154239	1.640225	2.698964	0.607724	0.543371	0.63617	0	1.642235	0	0	4.278221	1.004979
13598	LOC103237	10.2639	1.639937	0.784674	2.08996	0.036621	0.071597	7.047123	4.379295	3.478657	15.62489	14.97377	16.07967
21996	TRNAD-GU	1.168855	1.639631	2.251216	0.728331	0.466411	0.563692	0.542086	1.094824	0	2.232127	2.139111	1.004979
13425	LOC103246	10.94744	1.639521	0.772582	2.122133	0.033827	0.066985	5.96295	7.116354	2.782925	15.62489	17.11289	17.08465
14348	FXYD1	15.1339	1.637688	0.838675	1.95271	0.050854	0.094226	3.252518	2.189647	16.69755	26.78552	27.80844	14.06971
6483	ENKUR	45.12611	1.637483	0.414877	3.946908	7.92E-05	0.000325	15.7205	27.37059	22.2634	84.82083	66.31243	54.26889
19621	GPX5	2.81107	1.637221	1.512656	1.082348	0.279098	0.378137	0.542086	2.737059	0.695731	4.464254	6.417332	2.009959
439	ATP6V1B2	3194.794	1.637131	0.107633	15.21031	3.02E-52	1.83E-50	1654.99	1507.572	1504.171	4660.681	4470.741	5370.61
22327	LOC119627	1.152464	1.636869	2.441389	0.670466	0.502561	0.598377	1.084173	0.547412	0	0	4.278221	1.004979
17708	TMEM229B	4.924872	1.63676	1.183366	1.38314	0.166622	0.250135	1.084173	3.831883	2.087194	6.696381	12.83466	3.014938
1626	HSD17B14	278.4908	1.636717	0.183712	8.909169	5.14E-19	8.41E-18	150.7	119.8832	135.6676	468.7467	382.9008	413.0466
13048	LOC119627	11.66529	1.63617	0.74501	2.196173	0.02808	0.057211	5.420864	6.568942	4.87012	13.39276	25.66933	14.06971
11177	SLC25A41	17.86527	1.63615	0.632693	2.586008	0.009709	0.023094	5.420864	9.306001	11.1317	29.01765	34.22577	18.08963
14310	CHRNA3	11.59431	1.634857	0.834514	1.959053	0.050107	0.093088	4.878777	2.189647	9.740239	22.32127	21.39111	9.044815
7061	APOC2	36.74362	1.634775	0.440947	3.707416	0.000209	0.000788	18.97302	13.6853	20.87194	49.10679	70.59065	47.23404
2527	LOC103238	147.3656	1.634721	0.230703	7.085832	1.38E-12	1.45E-11	77.51835	62.40495	75.13899	209.8199	250.2759	209.0357
17289	LOC103238	5.396458	1.634401	1.126506	1.450859	0.146819	0.225761	1.626259	3.284471	2.782925	6.696381	14.97377	3.014938
14437	TMEM253	11.633	1.634105	0.843588	1.93709	0.052734	0.097108	1.626259	6.568942	9.044508	8.928508	23.53022	20.09959
6589	LOC119627	41.07667	1.633513	0.418293	3.905187	9.42E-05	0.00038	21.68345	20.80165	17.39328	80.35657	44.92132	61.30375



23035	LOC119620	0.96045	1.632428	2.934856	0.556221	0.57806	0.667089	0	0	1.391463	2.232127	2.139111	0
23036	LOC10323	0.96045	1.632428	2.934856	0.556221	0.57806	0.667089	0	0	1.391463	2.232127	2.139111	0
23037	LOC11962	0.96045	1.632428	2.934856	0.556221	0.57806	0.667089	0	0	1.391463	2.232127	2.139111	0
23038	LOC10324	0.96045	1.632428	2.934856	0.556221	0.57806	0.667089	0	0	1.391463	2.232127	2.139111	0
6124	ILDR1	45.73087	1.631875	0.397326	4.107143	4.01E-05	0.000174	22.76763	21.89647	21.56767	69.19594	87.70354	51.25395
452	EPAS1	1753.26	1.631501	0.108303	15.06429	2.78E-51	1.64E-49	853.786	916.9148	796.6124	2707.57	2474.951	2769.723
20317	TCN1	2.129305	1.631359	1.672588	0.97535	0.329387	0.431006	0.542086	1.094824	1.391463	4.464254	4.278221	1.004979
1490	SPTSSB	270.2121	1.631058	0.175993	9.267756	1.90E-20	3.39E-19	134.9795	129.1892	132.8847	401.7829	372.2053	450.2308
2412	AK5	168.058	1.630121	0.22464	7.256607	3.97E-13	4.37E-12	72.63957	98.53413	74.44326	249.9982	269.5279	243.205
17125	LOC10323	7.811002	1.630052	1.103445	1.477239	0.139612	0.216732	3.794605	0.547412	6.957314	11.16063	21.39111	3.014938
18698	LOC10323	3.301354	1.62934	1.325693	1.229047	0.219054	0.311453	1.084173	1.642235	2.087194	6.696381	4.278221	4.019918
14360	DNAAF6	11.4494	1.629245	0.835561	1.949882	0.05119	0.09477	6.505036	7.116354	2.782925	11.16063	32.08666	9.044815
1814	LOC11962	1381.054	1.629148	0.193538	8.417727	3.84E-17	5.63E-16	859.2069	477.3431	685.9911	2120.521	2425.751	1717.51
289	PLA2R1	6283.908	1.628632	0.092381	17.6296	1.46E-69	1.34E-67	3159.279	3174.989	2881.024	9113.774	9294.436	10079.94
20504	AADACL4	2.587163	1.628445	1.722748	0.94526	0.344526	0.446704	0	1.642235	2.087194	2.232127	8.556443	1.004979
7176	APOC4	39.92304	1.627892	0.443217	3.672905	0.00024	0.000888	19.51511	13.13788	25.74206	58.0353	74.86887	48.23901
12367	LOC11962	12.4229	1.627885	0.699049	2.328712	0.019874	0.04272	6.505036	5.474118	6.261582	20.08914	17.11289	19.09461
12956	LOC11962	13.34842	1.627256	0.735646	2.212009	0.026966	0.055326	8.673382	4.379295	6.261582	15.62489	32.08666	13.06473
22514	CAVIN2	1.432924	1.627067	2.551197	0.637766	0.523626	0.61825	0	0	2.087194	2.232127	4.278221	0
22515	LOC10322	1.432924	1.627067	2.551197	0.637766	0.523626	0.61825	0	0	2.087194	2.232127	4.278221	0
22518	FAM243A	1.432924	1.627067	2.551197	0.637766	0.523626	0.61825	0	0	2.087194	2.232127	4.278221	0
2152	RAPGEF3	203.866	1.627031	0.21188	7.679031	1.60E-14	1.98E-13	113.8381	79.92212	105.7512	292.4086	318.7275	312.5486
13987	CFAP221	10.24158	1.626774	0.808233	2.012753	0.044141	0.083898	5.420864	6.02153	3.478657	8.928508	23.53022	14.06971
11888	LOC10324	15.74619	1.626265	0.669719	2.428279	0.015171	0.033926	6.505036	11.49565	4.87012	31.24978	19.252	21.10457
22181	MHC-DQA	1.905397	1.624818	2.339514	0.694511	0.487362	0.584101	0	0	2.782925	2.232127	6.417332	0
16678	LRRN2	6.309879	1.624786	1.0514	1.545354	0.122261	0.194885	2.168345	1.642235	5.565851	4.464254	14.97377	9.044815
21711	LOC11962	1.659138	1.624579	2.092514	0.776377	0.437527	0.535749	1.084173	0	1.391463	4.464254	0	3.014938
3353	LOC11962	95.27141	1.624131	0.271161	5.989539	2.10E-09	1.67E-08	41.74065	45.98259	52.17985	147.3204	149.7377	134.6672
18539	LOC10323	3.75655	1.62403	1.303552	1.24585	0.21282	0.305184	2.168345	0.547412	2.782925	4.464254	8.556443	4.019918
20437	SLC15A5	2.113802	1.623727	1.6982	0.956146	0.338998	0.440978	0.542086	1.094824	1.391463	2.232127	6.417332	1.004979
14567	LOC11962	9.876771	1.622981	0.848813	1.912059	0.055869	0.101961	2.710432	6.02153	5.565851	13.39276	23.53022	8.039836
20389	CES4A	2.552442	1.622951	1.684739	0.963325	0.335385	0.43731	0.542086	0.547412	2.782925	0	6.417332	5.024897
6093	PPFIBP2	62.95646	1.62283	0.393372	4.125429	3.70E-05	0.000161	23.8518	33.93953	34.09084	80.35657	141.1813	64.31869
9265	LOC11962	30.08073	1.622354	0.533548	3.040689	0.00236	0.006773	16.26259	7.663765	20.17621	40.17829	62.03421	34.1693
12760	CARNS1	15.64809	1.621368	0.721226	2.248073	0.024572	0.051194	7.047123	7.116354	8.348776	31.24978	32.08666	8.039836
948	GUCY1B1	1224.52	1.620782	0.14456	11.21184	3.57E-29	1.00E-27	536.6655	736.2689	528.7558	1859.362	1861.026	1825.043
449	PLEKHO2	1912.309	1.620527	0.107248	15.11008	1.39E-51	8.23E-50	998.5231	913.6303	905.8422	2850.426	2691.001	3114.431
5893	LOC11962	60.20588	1.620091	0.384028	4.218673	2.46E-05	0.000111	34.15144	18.06459	36.17803	91.51721	106.9555	74.36848
426	AHNAK2	22310.7	1.620011	0.105574	15.34476	3.84E-53	2.40E-51	10497.5	11381.79	10985.6	32365.84	30383.93	38249.52
11050	CHRD12	33.03255	1.619842	0.619295	2.615624	0.008906	0.021428	13.01007	8.758589	26.43779	58.0353	74.86887	17.08465
528	PLEKHH2	3972.964	1.619778	0.113425	14.28056	2.89E-46	1.46E-44	1922.78	2226.324	1701.759	5955.315	6008.762	6022.842
1065	LOC10321	910.391	1.619618	0.151757	10.67243	1.37E-26	3.42E-25	491.6723	369.503	482.8376	1285.705	1274.91	1557.718
13984	MCF2	12.31237	1.618473	0.803899	2.013279	0.044085	0.083811	4.336691	7.116354	6.261582	22.32127	27.80844	6.029877
26638	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
26643	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
26651	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
26695	LOC11961	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
26705	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
26707	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
26730	LOC11961	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
26873	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
26879	LOC10323	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
26910	LOC10322	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
26950	TRNAN-GL	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
26958	TRNAN-GL	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
26959	TRNAE-CU	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
26986	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27113	LOC10324	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27118	LOC10324	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27156	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27194	LOC11962	0.446866	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	0	2.139111	0
27205	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
27254	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27300	LOC11962	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
27313	TRNAG-GC	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27331	LOC10323	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
27341	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27391	LOC10322	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27392	LOC10322	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27398	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27402	CCDC54	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27457	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27513	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27523	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0



27528	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27551	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
27585	LOC10324	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27597	OR5Z21	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27600	LOC10324	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27615	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27645	TRNAI-AAI	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27661	TRNAA-AG	0.446866	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	0	2.139111	0
27713	LOC11962	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
27815	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27834	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27840	LOC10323	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
27869	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
27892	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
27896	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
27933	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
27944	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27960	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
27965	LOC10324	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28014	LOC11961	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28037	LOC11961	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28083	SPINT3	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28106	DEFB118	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28113	LOC11961	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28123	LOC11961	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28157	LOC10321	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28175	CUNH8orf	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28192	FSCB	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28205	LOC11961	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28226	LOC11961	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28258	LOC11961	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28267	LOC10321	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28290	LOC10322	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28292	LOC11961	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28322	LOC11961	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28324	LOC11961	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28359	HIST3H3	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
28392	RGS13	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
28425	LOC10323	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28427	LOC11961	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28429	LOC10323	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28455	LOC10323	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
28546	LOC10324	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28550	LOC11962	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
28569	LOC10323	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28579	LOC10323	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28718	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28740	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28741	MAGEA10	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
28799	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28807	TNFRSF17	0.462369	1.617593	4.067273	0.397709	0.690844	NA	0.542086	0	0	2.232127	0	0
28839	TSNR42	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28847	TRANW-CC	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28867	LOC11962	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28876	LOC10324	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28886	OXT	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
28895	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28939	LOC10323	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28962	LOC10323	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
28986	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
29018	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
29060	LOC10324	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29073	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
29086	LOC10323	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29090	LOC10323	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
29110	LOC11962	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
29124	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
29135	LOC10324	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29156	CABS1	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
29163	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
29164	LOC10322	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29166	LOC11962	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
29182	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
29222	LOC11962	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0



29280	LOC119623	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29287	LOC119623	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
29430	LOC119623	0.487976	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	2.232127	0	0
29458	LOC119623	0.463256	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	2.232127	0	0
29485	LOC119623	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
29558	LOC119623	0.447754	1.617593	4.067273	0.397709	0.690844	NA	0	0.547412	0	0	2.139111	0
29565	LOC119623	0.472474	1.617593	4.067273	0.397709	0.690844	NA	0	0	0.695731	0	2.139111	0
13385	ABCG4	12.3238	1.615611	0.758441	2.130174	0.033157	0.065856	7.047123	3.284471	7.653045	26.78552	17.11289	12.05975
13058	LOC119623	16.85004	1.615605	0.735991	2.195141	0.028153	0.057318	7.589209	2.737059	14.61036	37.94616	17.11289	21.10457
8674	LOC103223	28.1331	1.614993	0.503025	3.210564	0.001325	0.00406	13.55216	10.94824	16.69755	55.80317	40.6431	31.15436
15652	LOC119623	7.533797	1.614583	0.936084	1.724827	0.084559	0.143623	5.96295	2.189647	2.782925	13.39276	12.83466	8.039836
15815	LOC119623	6.802164	1.613872	0.950199	1.698457	0.089422	0.150317	4.336691	2.189647	3.478657	8.928508	12.83466	9.044815
355	ARRB1	2272.707	1.61327	0.098825	16.32447	6.61E-60	4.95E-58	1122.119	1150.112	1089.515	3312.476	3287.813	3674.205
16063	TRNAE-UU	7.622303	1.612905	0.974759	1.654672	0.097991	0.16218	4.878777	2.737059	3.478657	22.32127	4.278221	8.039836
15318	LOC119623	7.55285	1.612882	0.907847	1.776601	0.075634	0.131266	3.794605	4.379295	2.782925	15.62489	10.69555	8.039836
15122	LOC119623	8.304896	1.61255	0.891022	1.809776	0.070331	0.123643	3.252518	3.284471	5.565851	17.85702	12.83466	7.034856
261	CTSL	224656.7	1.612448	0.088935	18.13063	1.83E-73	1.86E-71	117731.4	106698.2	107766	333569.1	321208.9	360966.5
12876	TMEM262	13.8568	1.612394	0.725246	2.223237	0.0262	0.054095	3.794605	8.211177	8.348776	15.62489	32.08666	15.07469
23443	LOC103240	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
23444	LOC119623	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
23445	LOC103234	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
23446	LOC119623	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
23447	LOC119623	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
23448	LOC119623	0.944947	1.611538	3.26897	0.49298	0.622027	0.705245	0	0	1.391463	0	4.278221	0
7785	ST3GAL6	36.64742	1.610774	0.464231	3.469768	0.000521	0.001779	21.68345	11.49565	20.87194	46.87467	72.72976	46.22906
1906	LAT2	265.5019	1.609089	0.196541	8.187029	2.68E-16	3.73E-15	147.9896	124.8099	121.753	330.3548	412.8484	455.2557
2775	LOC119623	125.4702	1.609078	0.238866	6.736312	1.62E-11	1.56E-10	64.50828	59.66789	61.92009	167.4095	205.3546	193.961
1179	MANSC1	547.4511	1.608778	0.157234	10.23176	1.43E-24	3.22E-23	252.6122	318.5937	240.0273	756.691	853.5052	863.2774
11402	ROBO1	16.74252	1.608432	0.63438	2.535439	0.011231	0.026185	7.047123	10.40082	6.957314	29.01765	29.94755	17.08465
4412	SIGLEC15	73.18432	1.607995	0.317082	5.071234	3.95E-07	2.38E-06	28.73058	40.50847	39.65669	95.98146	117.6511	116.5776
22022	LOC119623	1.156546	1.607705	2.225972	0.722248	0.470142	0.567546	0.542086	0.547412	0.695731	0	2.139111	3.014938
21689	PANO1	1.87179	1.607472	2.064177	0.778747	0.436129	0.534579	2.710432	0	0	2.232127	4.278221	2.009959
4853	LOC103238	60.2618	1.60734	0.336286	4.779681	1.76E-06	9.62E-06	28.73058	32.84471	27.13352	98.21359	96.25998	78.3884
16944	LOC119623	6.159557	1.607204	1.071365	1.500146	0.133577	0.209581	1.084173	4.379295	3.478657	11.16063	12.83466	4.019918
7004	LOC119623	47.53573	1.607127	0.4307	3.73143	0.00019	0.000723	16.80468	20.25424	34.09084	49.10679	85.56443	79.39338
17551	ISM2	7.072446	1.606201	1.141186	1.407483	0.159284	0.241272	0	4.926706	5.565851	8.928508	14.97377	8.039836
16383	GPR158	7.087226	1.605966	1.009109	1.591469	0.111504	0.18094	2.168345	3.284471	4.87012	8.928508	19.252	4.019918
592	WNT2B	836.4265	1.6055	0.117301	13.68697	1.21E-42	5.45E-41	421.7432	425.8864	394.4797	1227.67	1234.267	1314.513
18068	LHX3	4.758997	1.604542	1.206133	1.330318	0.183413	0.269872	1.084173	1.094824	4.87012	8.928508	8.556443	4.019918
17275	LOC103233	5.426209	1.604189	1.10331	1.453978	0.145952	0.22461	1.626259	4.926706	1.391463	11.16063	6.417332	7.034856
19417	PKIB	2.849518	1.604117	1.438368	1.115235	0.26475	0.362467	1.626259	1.094824	1.391463	6.696381	4.278221	2.009959
778	TSPAN15	1243.804	1.603851	0.131167	12.22752	2.22E-34	7.57E-33	646.709	557.8126	646.3344	1845.969	1653.533	2112.467
15182	SDCBP2	9.571474	1.603672	0.891118	1.799618	0.071921	0.12594	2.710432	4.379295	6.957314	26.78552	8.556443	8.039836
9949	ATP6V1G2	21.35734	1.603367	0.557624	2.875352	0.004036	0.010784	9.757555	14.23271	7.653045	31.24978	32.08666	33.16432
14408	LOC103226	9.974139	1.602534	0.825323	1.941706	0.052173	0.096263	3.794605	3.284471	7.653045	20.08914	14.97377	10.04979
15018	LOC119623	9.486744	1.602218	0.875414	1.83024	0.067214	0.118983	4.336691	6.568942	2.782925	20.08914	17.11289	6.029877
15921	ERAS	8.490399	1.600892	0.952467	1.680786	0.092805	0.154966	1.626259	2.737059	8.348776	8.928508	19.252	10.04979
17194	LOC119623	5.622244	1.600337	1.089631	1.468696	0.141915	0.219435	1.084173	3.831883	3.478657	4.464254	12.83466	8.039836
482	BIRC3	1949.687	1.600318	0.108127	14.80041	1.46E-49	8.02E-48	912.8734	1074.569	913.4953	2874.98	2960.529	2961.674
3954	ZFHX2	131.5076	1.600064	0.295927	5.406962	6.41E-08	4.31E-07	42.28274	75.54283	77.22618	225.4448	211.772	156.7768
18430	LOC119615	5.458878	1.599455	1.269581	1.259829	0.207731	0.299649	2.710432	0.547412	3.478657	13.39276	2.139111	5.024897
19139	LOC103233	4.974207	1.598826	1.374715	1.163024	0.24482	0.340067	0.542086	5.474118	1.391463	13.39276	0	9.044815
1476	LOC119623	318.9329	1.598765	0.171643	9.314497	1.23E-20	2.21E-19	171.2993	146.159	155.8438	522.3177	489.8563	428.1213
21129	LOC119623	1.840619	1.597688	1.856078	0.860787	0.389355	0.489896	1.084173	1.094824	0.695731	0	2.139111	6.029877
12458	LOC103216	18.40986	1.597091	0.691661	2.309065	0.02094	0.044685	5.420864	10.40082	11.1317	44.64254	27.80844	11.05477
6934	LOC103233	44.92031	1.596573	0.424272	3.763087	0.000168	0.000643	13.55216	26.27577	27.13352	80.35657	59.8951	62.30873
17264	ZBED2	7.424169	1.596566	1.096058	1.456644	0.145215	0.223617	5.420864	0.547412	4.87012	17.85702	12.83466	3.014938
326	SARAF	4780.253	1.59635	0.094882	16.82454	1.61E-63	1.32E-61	2475.708	2161.182	2492.11	7194.145	7144.63	7213.743
17286	LOC103226	6.148362	1.594756	1.098281	1.452047	0.146489	0.225292	3.252518	4.926706	0.695731	11.16063	12.83466	4.019918
20846	MEIOC	2.907906	1.59474	1.774122	0.89889	0.368711	0.470219	0	2.189647	2.087194	11.16063	0	2.009959
13860	DOK7	21.79777	1.594573	0.782619	2.037483	0.041602	0.079797	5.420864	2.737059	24.3506	49.10679	32.08666	17.08465
356	TTC39A	2841.128	1.594498	0.097933	16.28155	1.33E-59	9.97E-58	1467.97	1417.797	1357.372	4120.506	4096.397	4586.726
19101	LOC103233	3.309683	1.593645	1.36248	1.169665	0.242136	0.336989	1.626259	0.547412	2.782925	4.464254	6.417332	4.019918
9278	CALCRL	23.82169	1.593253	0.524411	3.038176	0.00238	0.00682	11.9259	9.306001	14.61036	37.94616	29.94755	39.1942
886	CD40	1092.273	1.593093	0.137693	11.56993	5.85E-31	1.76E-29	618.5205	472.9638	541.9747	1622.756	1499.517	1797.908
19360	SOD3	2.838097	1.591655	1.414022	1.125623	0.260325	0.357476	1.084173	1.094824	2.087194	4.464254	4.278221	4.019918
4665	LOC119623	64.85028	1.590766	0.324096	4.908322	9.19E-07	5.23E-06	34.69353	27.37059	34.78657	95.98146	104.8164	91.45313
1091	PLCD4	603.5635	1.590758	0.150855	10.54494	5.36E-26	1.31E-24	306.2788	319.6885	278.9883	866.0653	802.1665	1048.194
20865	LOC119623	2.400345	1.589325	1.773645	0.896078	0.370211	0.471702	0.542086	2.189647	0.695731	6.696381	4.278221	0
21600	FNDC11	1.858062	1.589136	2.010387	0.790463	0.429258	0.528325	1.626259	1.094824	0	0	6.417332	2.009959
1709	ITGA7	254.4547	1.589001	0.182623	8.700999	3.29E-18	5.12E-17	120.3432	117.1461	143.3207	388.3901	395.7355	361.7926
15438	BCL11A	8.092929	1.588898	0.905797	1.754143	0.079406	0.136741	2.168345	4.926706	4.87012	17.85702	10.69555	



5036	RNASE10	62.97712	1.58639	0.339707	4.669877	3.01E-06	1.59E-05	27.10432	37.224	30.61218	78.12444	96.25998	108.5378
20986	CCL1	2.154912	1.586277	1.800175	0.881179	0.378221	0.479147	0	1.094824	2.087194	4.464254	4.278221	1.004979
14479	TCEA3	9.217583	1.585869	0.822005	1.92927	0.053697	0.098594	3.252518	4.926706	5.565851	13.39276	17.11289	11.05477
4938	COL9A1	58.26982	1.585684	0.335922	4.720388	2.35E-06	1.27E-05	30.35684	25.72836	31.30791	84.82083	91.98176	85.42325
3435	LOC103230	141.454	1.583685	0.267754	5.914704	3.32E-09	2.57E-08	74.26583	54.19377	85.57496	176.338	201.0764	257.2747
14552	LOC119620	10.38093	1.582581	0.825909	1.916168	0.055344	0.101107	2.710432	8.758589	4.174388	17.85702	10.69555	18.08963
711	ICOSLG	838.7154	1.582186	0.124292	12.72957	4.05E-37	1.51E-35	421.7432	394.6839	445.9638	1249.991	1172.233	1347.677
441	PLA2G4A	1911.015	1.58107	0.104039	15.19691	3.71E-52	2.23E-50	1013.702	914.1777	946.8904	2727.659	2806.513	3057.148
13013	KIAA1549L	17.58365	1.579631	0.717478	2.201643	0.027691	0.056574	4.878777	14.78012	6.261582	29.01765	38.50399	12.05975
18040	LOC103240	5.418087	1.579624	1.18176	1.336671	0.18133	0.267228	1.626259	1.642235	4.87012	2.232127	17.11289	5.024897
6843	CEACAM1	43.73423	1.579366	0.415558	3.800587	0.000144	0.000561	14.09425	27.37059	24.3506	66.96381	66.31243	63.31371
15072	LOC103210	10.27361	1.579332	0.867157	1.821275	0.068565	0.12094	3.252518	4.926706	6.957314	20.08914	21.39111	5.024897
11644	IGSF10	25.41589	1.579199	0.636073	2.482734	0.013038	0.029767	4.336691	14.23271	19.48048	35.71403	55.61688	23.11453
1747	SLC1A3	263.9031	1.578526	0.18364	8.595746	8.27E-18	1.26E-16	116.5486	142.8745	139.1463	377.2295	376.4835	431.1362
12158	LOC103240	15.65349	1.578199	0.664829	2.373841	0.017604	0.038494	8.673382	4.926706	9.740239	24.5534	29.94755	16.07967
11393	TDRD6	26.60893	1.577849	0.621553	2.538561	0.011131	0.025972	12.46799	13.6853	13.2189	33.4819	72.72976	14.06971
11484	LOC119620	17.99275	1.577447	0.625848	2.520496	0.011719	0.027129	5.420864	8.758589	13.2189	29.01765	21.39111	30.14938
13282	LOC103220	16.31275	1.576084	0.732592	2.151379	0.031446	0.06294	10.84173	4.379295	9.044508	15.62489	44.92132	13.06473
3915	LOC103210	88.69669	1.576048	0.290033	5.434023	5.51E-08	3.74E-07	46.07734	39.41365	48.7012	147.3204	106.9555	143.7121
5794	LOC119610	56.28966	1.575549	0.368365	4.277136	1.89E-05	8.69E-05	35.7777	20.25424	28.52499	84.82083	91.98176	76.37844
9140	LOC119620	25.2871	1.575529	0.513398	3.068826	0.002149	0.006251	13.55216	9.853413	14.61036	33.4819	47.06043	33.16432
9284	LOC103220	24.40794	1.575179	0.518833	3.036005	0.002397	0.006865	14.09425	12.59047	9.740239	44.64254	34.22577	31.15436
17236	LOC103240	5.487069	1.574018	1.076714	1.461872	0.143776	0.221762	2.168345	3.831883	2.087194	13.39276	6.417332	5.024897
368	LAD1	2090.354	1.573473	0.097434	16.14905	1.15E-58	8.33E-57	1052.19	1069.095	1034.553	3185.245	2934.86	3266.183
12188	LOC119620	19.5882	1.573473	0.664155	2.369134	0.01783	0.038891	8.131296	4.926706	16.69755	17.85702	42.78221	27.13445
7099	LOC103240	79.52704	1.573222	0.425652	3.696029	0.000219	0.00082	18.43094	47.62483	53.57132	107.1421	168.9897	81.40334
11959	LOC119620	17.43312	1.572493	0.651708	2.41288	0.015827	0.035184	5.96295	8.211177	11.82743	35.71403	27.80844	15.07469
17690	TFDP3	6.278675	1.570569	1.132532	1.386776	0.16551	0.248733	4.878777	2.189647	2.087194	20.08914	6.417332	2.009959
19508	LOC119620	3.051637	1.570536	1.427775	1.099989	0.271337	0.369781	2.168345	1.642235	0.695731	2.232127	8.556443	3.014938
17057	LOC119620	9.79941	1.570206	1.056455	1.486297	0.1372	0.213842	1.084173	10.94824	2.782925	2.232127	25.66933	16.07967
16480	LOC103230	6.401543	1.569569	0.995877	1.576067	0.11501	0.185488	3.794605	1.642235	4.174388	8.928508	12.83466	7.034856
932	SERPINA1	32535.89	1.569387	0.138663	11.31802	1.07E-29	3.05E-28	14146.29	20654.94	14398.86	48330.01	46810.16	50875.08
19096	LOC119610	3.610841	1.568803	1.340113	1.170649	0.24174	0.336545	2.168345	1.094824	2.087194	11.16063	2.139111	3.014938
531	SYK	1319.815	1.568567	0.110045	14.25387	4.24E-46	2.12E-44	684.6551	652.5149	662.3363	1901.772	1876	2141.651
11937	PLEKHG6	21.0385	1.568553	0.648991	2.416912	0.015653	0.034861	6.505036	7.663765	17.39328	37.94616	40.6431	16.07967
1125	HSD3B7	454.226	1.568021	0.15049	10.41945	2.02E-25	4.78E-24	239.0601	210.2061	240.0273	669.6381	626.7594	739.6649
11295	TCEAL2	20.62328	1.567877	0.612491	2.559837	0.010472	0.024648	5.96295	13.13788	11.82743	26.78552	44.92132	21.10457
13206	LOC119620	19.44081	1.567641	0.723438	2.166933	0.03024	0.060876	6.505036	9.853413	12.52316	37.94616	42.78221	7.034856
555	MGLL	8473.208	1.567479	0.111097	14.10912	3.34E-45	1.60E-43	4498.775	3974.21	4357.366	12254.38	11367.23	14387.29
1027	COL18A1	22282.62	1.567144	0.144067	10.87792	1.47E-27	3.80E-26	12492.38	8780.485	12464.72	33595.74	28972.11	37390.26
21573	MOGAT2	1.666936	1.566515	1.975826	0.79284	0.427871	0.527253	0	1.094824	1.391463	2.232127	4.278221	1.004979
20183	SLAMF9	3.370012	1.565736	1.565829	0.999941	0.317339	0.417998	0.542086	1.642235	2.782925	6.696381	8.556443	0
7857	LOC103220	34.79811	1.565584	0.453573	3.451665	0.000557	0.001885	21.14137	12.59047	18.78475	46.87467	64.17332	45.22408
15508	LOC119620	7.84055	1.564768	0.898087	1.742334	0.08145	0.139628	4.878777	3.284471	3.478657	13.39276	14.97377	7.034856
781	SYNM	5085.145	1.56427	0.128013	12.21963	2.44E-34	8.31E-33	2283.81	3061.674	2366.182	7314.68	7187.412	8297.11
4932	ATP2A1	77.04617	1.563858	0.330975	4.724998	2.30E-06	1.24E-05	30.89892	38.31883	47.30973	102.6778	147.5986	95.47305
10504	ENTPD2	20.5074	1.563505	0.569839	2.743765	0.006074	0.015373	10.29964	8.758589	12.52316	22.32127	29.94755	39.1942
4678	TUBB4A	101.5177	1.563376	0.319192	4.897911	9.69E-07	5.50E-06	32.52518	68.97389	52.87558	154.0168	136.9031	163.8117
3471	LOC103210	240.8711	1.563287	0.265533	5.887356	3.92E-09	3.01E-08	166.4205	80.46954	118.2743	299.105	434.2395	346.7179
10854	LOC119620	20.25535	1.562956	0.587604	2.65988	0.007817	0.019146	6.505036	11.49565	12.52316	37.94616	29.94755	23.11453
22169	CLEC5A	1.404286	1.562631	2.24403	0.69635	0.486209	0.583061	1.626259	0.547412	0	2.232127	0	4.019918
17260	MYLK4	5.9474	1.562165	1.0724	1.456699	0.145199	0.223614	3.794605	2.189647	2.782925	8.928508	14.97377	3.014938
21234	LOC119620	1.863032	1.561545	1.846572	0.845646	0.39775	0.497984	0.542086	1.642235	0.695731	0	4.278221	4.019918
14680	LOC119620	14.22633	1.560922	0.824739	1.892625	0.058408	0.105775	10.29964	3.831883	6.957314	35.71403	23.53022	5.024897
674	LOC119620	1028.624	1.560664	0.120283	1.279494	1.70E-38	6.70E-37	507.3928	548.5066	509.2754	1475.436	1441.761	1689.37
21036	LOC119620	2.826842	1.560512	1.78284	0.875296	0.381413	0.482013	2.168345	0	2.087194	0	10.69555	2.009959
15642	TXK	8.865245	1.560497	0.903971	1.72627	0.084299	0.143264	1.626259	5.474118	6.261582	20.08914	10.69555	9.044815
26619	CYP4A22	0.68496	1.560453	3.618843	0.431202	0.666321	NA	0	1.094824	0	0	0	3.014938
21269	LOC103230	1.92929	1.559731	1.857289	0.839789	0.401027	0.501254	1.626259	0.547412	0.695731	6.696381	0	2.009959
15280	LOC103210	7.845519	1.559647	0.874601	1.783267	0.074543	0.129687	3.794605	3.831883	4.174388	13.39276	12.83466	9.044815
7410	HRH1	39.547	1.559506	0.433543	3.597122	0.000322	0.001154	21.14137	25.18094	13.2189	58.0353	68.45154	51.25395
2593	INSYN1	211.8765	1.559059	0.222983	6.991817	2.71E-12	2.78E-11	102.9964	84.84883	134.9719	294.6408	342.2577	311.5436
955	SLC7A8	1082.126	1.559023	0.139394	11.18432	4.87E-29	1.35E-27	488.9619	644.8511	512.0583	1654.006	1482.404	1710.475
2779	TCAF2	160.0514	1.558008	0.231391	6.733232	1.66E-11	1.59E-10	97.57555	74.99542	70.26887	223.2127	263.1106	231.1453
21710	LOC119620	1.650545	1.557341	2.005776	0.776428	0.437496	0.535736	0.542086	0.547412	1.391463	0	6.417332	1.004979
5422	SPAG8	54.15688	1.557205	0.349926	4.450103	8.58E-06	4.21E-05	23.8518	28.46541	29.91645	87.05295	81.28621	74.36848
15891	LOC119620	10.81942	1.557123	0.923628	1.685878	0.091819	0.15361	3.252518	4.926706	8.348776	2.232127	32.08666	14.06971
12466	HUNK	15.04577	1.556668	0.674838	2.306727	0.02107	0.044934	5.96295	8.211177	8.348776	29.01765	25.66933	13.06473
21199	LOC103240	1.930178	1.556434	1.830835	0.850123	0.395257	0.495679	1.084173	1.094824	0.695731	6.696381	0	2.009959
567	PNRC1	5205.563	1.556033	0.111382	13.97025	2.37E-44	1.11E-42	2375.422	3040.325	2509.503	7964.229	7687.	



372	KIF13B	4118.689	1.551022	0.096233	16.1173	1.93E-58	1.38E-56	2057.76	2208.807	2023.883	6008.886	5814.103	6598.695
2695	GCNT3	151.6283	1.551015	0.226676	6.842417	7.79E-12	7.68E-11	75.89209	68.97389	87.66215	227.677	205.3546	244.21
672	RGS14	1886.062	1.550764	0.119414	12.98646	1.46E-38	5.78E-37	1019.664	855.0573	1007.419	2890.604	2532.707	3010.918
953	ARHGEF3	650.5325	1.550741	0.138606	11.18809	4.66E-29	1.30E-27	317.1205	367.3133	310.2962	915.1721	939.0696	1054.223
20217	LOC119624	2.388036	1.55049	1.559719	0.994083	0.320183	0.421027	0.542086	1.642235	1.391463	4.464254	4.278221	2.009959
3962	CLEC2B	81.99237	1.550411	0.286974	5.402624	6.57E-08	4.41E-07	44.45108	38.86624	41.74388	133.9276	113.3729	119.5926
22201	CUNH12or	1.194462	1.550181	2.241399	0.691613	0.48918	0.585699	0	1.094824	0.695731	2.232127	2.139111	1.004979
22203	LOC119615	1.194462	1.550181	2.241399	0.691613	0.48918	0.585699	0	1.094824	0.695731	2.232127	2.139111	1.004979
15180	IQCF1	10.98214	1.549789	0.860877	1.800244	0.071822	0.125783	3.794605	4.379295	8.348776	13.39276	29.94755	6.029877
17131	LOC119627	7.445859	1.549733	1.049788	1.476234	0.139881	0.217077	6.505036	0.547412	4.174388	17.85702	8.556443	7.034856
13219	LOC119626	13.12251	1.548866	0.715537	2.164621	0.030417	0.061172	6.505036	3.831883	9.740239	22.32127	19.252	17.08465
3339	ELL3	104.3438	1.548409	0.257931	6.003182	1.93E-09	1.54E-08	52.04029	57.47824	49.39693	167.4095	154.016	145.722
586	ZBTB20	2708.038	1.547288	0.112541	13.74866	5.19E-43	2.35E-41	1291.792	1578.188	1271.797	3966.49	4038.641	4101.321
16125	LHX4	8.450437	1.547218	0.942757	1.641163	0.100763	0.166127	2.168345	4.926706	5.565851	22.32127	10.69555	5.024897
12549	LOC103215	15.0386	1.547066	0.674646	2.293151	0.021839	0.046266	6.505036	7.116354	9.044508	24.5534	29.94755	13.06473
2345	PAK6	184.7042	1.546688	0.210523	7.346876	2.03E-13	2.30E-12	85.10756	94.70224	104.3597	256.6946	258.8324	308.5287
14388	LOC103237	10.70419	1.546384	0.79446	1.946458	0.0516	0.095342	3.794605	3.831883	9.044508	15.62489	12.83466	19.09461
642	LOC103220	1020.65	1.54594	0.11713	13.19844	8.96E-40	3.71E-38	512.2716	536.4636	516.2327	1466.507	1433.204	1659.221
19292	LOC103234	3.10825	1.545173	1.35931	1.136733	0.25565	0.352294	1.626259	1.642235	1.391463	6.696381	4.278221	3.014938
22532	LOC119623	1.177184	1.545059	2.430368	0.63573	0.524952	0.619338	1.084173	0	0.695731	0	4.278221	1.004979
22534	LOC119622	1.177184	1.545059	2.430368	0.63573	0.524952	0.619338	1.084173	0	0.695731	0	4.278221	1.004979
1016	ARHGEF10	1979.42	1.544866	0.141465	10.92046	9.20E-28	2.41E-26	1167.112	804.6954	1060.99	2997.747	2746.618	3099.357
14021	LOC103215	10.98523	1.5446	0.768755	2.009222	0.044514	0.084402	3.252518	6.568942	6.957314	20.08914	14.97377	14.06971
10106	LOC103230	27.12864	1.54256	0.543702	2.837141	0.004552	0.011974	11.38381	13.13788	16.69755	31.24978	64.17332	26.12947
16517	LOC119627	9.741012	1.542498	0.981181	1.572082	0.115932	0.186598	3.794605	3.831883	6.957314	29.01765	12.83466	2.009959
15836	LOC119627	10.33086	1.54236	0.91114	1.69278	0.090497	0.151924	4.336691	1.094824	10.43597	20.08914	14.97377	11.05477
9902	USH2A	28.97728	1.541897	0.534519	2.884646	0.003919	0.010521	15.7205	15.32753	12.52316	53.57105	55.61688	21.10457
6287	LOC119615	46.24973	1.541302	0.382051	4.034287	5.48E-05	0.000232	23.30971	19.70683	27.82925	75.89232	68.45154	62.30873
627	LOC103230	6498.752	1.541167	0.115699	13.32053	1.76E-40	7.46E-39	3563.676	3027.735	3384.733	9345.916	8671.955	10998.5
6404	LOC119625	47.05266	1.540094	0.38716	3.977926	6.95E-05	0.000289	26.02015	26.82318	18.78475	66.96381	83.42532	60.29877
20873	LOC103237	2.357031	1.539975	1.720748	0.894945	0.370817	0.47227	0.542086	1.642235	1.391463	0	8.556443	2.009959
12691	TMEM88B	14.60546	1.53938	0.680502	2.262123	0.02369	0.049625	7.047123	6.02153	9.044508	26.78552	25.66933	13.06473
18754	LOC119615	3.832545	1.539093	1.257411	1.224017	0.220946	0.313205	2.168345	1.642235	2.087194	8.928508	2.139111	6.029877
754	TMPPE	871.3352	1.538614	0.123518	12.45661	1.29E-35	4.54E-34	470.531	405.6322	464.0528	1310.259	1227.85	1349.687
15929	LOC103237	10.34171	1.537641	0.915448	1.679659	0.093024	0.155253	5.96295	3.284471	6.261582	17.85702	25.66933	3.014938
14925	C2CD6	9.710124	1.537534	0.831224	1.849722	0.064354	0.114629	4.336691	7.663765	2.782925	11.16063	19.252	13.06473
5165	FAM222A	64.78352	1.536638	0.334341	4.59602	4.31E-06	2.22E-05	28.73058	35.03436	36.17803	75.89232	113.3729	99.49297
10775	IGSF9	28.76319	1.5364	0.574651	2.673621	0.007504	0.018511	10.84173	12.04306	20.87194	42.41041	66.31243	20.09959
12267	LOC119627	20.10307	1.53621	0.653304	2.351447	0.018701	0.040528	11.9259	6.02153	12.52316	29.01765	47.06043	14.06971
1253	CYP7B1	629.4731	1.536191	0.153703	9.994543	1.61E-23	3.42E-22	274.2957	379.3564	314.4706	892.8508	988.2691	927.5961
22059	DLK2	2.379444	1.535855	2.147764	0.715095	0.47455	0.571917	0	2.189647	1.391463	0	10.69555	0
16064	LOC119627	8.007354	1.535706	0.928219	1.654466	0.098033	0.162239	2.710432	4.379295	5.565851	4.464254	12.83466	18.08963
9390	WAS	31.30714	1.535351	0.510148	3.00962	0.002616	0.007406	8.673382	15.87494	23.65487	49.10679	51.33866	39.1942
17969	LOC103217	4.978192	1.534932	1.138218	1.34854	0.177485	0.262588	1.626259	3.831883	2.087194	4.464254	12.83466	5.024897
15569	LOC103216	12.95516	1.53387	0.884908	1.733367	0.08303	0.141779	4.336691	1.094824	14.61036	20.08914	23.53022	14.06971
14420	FCGR2A	10.43531	1.533278	0.79045	1.939753	0.05241	0.096619	4.336691	8.211177	3.478657	13.39276	17.11289	16.07967
9249	DACT3	25.73583	1.533154	0.503861	3.042808	0.002344	0.006737	10.84173	15.32753	13.2189	37.94616	44.92132	32.15934
20107	CUNH12or	3.163975	1.533119	1.515848	1.011394	0.311828	0.412292	1.626259	1.094824	2.087194	11.16063	0	3.014938
21393	LOC119627	1.900948	1.532602	1.874879	0.817441	0.413677	0.514074	0	2.189647	0.695731	2.232127	4.278221	2.009959
22109	LOC119625	1.722661	1.532132	2.167497	0.706867	0.479649	0.576755	0	0.547412	2.087194	6.696381	0	1.004979
12839	PODN	16.92875	1.531133	0.686292	2.231024	0.02568	0.053173	5.420864	9.306001	11.1317	17.85702	42.78221	15.07469
14419	LOC119625	10.02406	1.531109	0.789286	1.939865	0.052396	0.096605	5.420864	4.926706	4.87012	15.62489	19.252	10.04979
11430	LOC103238	21.2316	1.530539	0.604976	2.529917	0.011409	0.026536	13.55216	7.663765	11.82743	40.17829	14.97377	39.1942
13449	LOC103215	14.04086	1.530426	0.72268	2.117708	0.0342	0.067604	6.505036	6.568942	8.348776	13.39276	36.36488	13.06473
1042	DUSP10	696.8171	1.529305	0.141447	10.81185	3.02E-27	7.72E-26	342.0565	414.3907	317.9492	1058.028	1037.469	1011.009
19564	WEE2	4.327371	1.528819	1.40337	1.089391	0.275981	0.375025	0.542086	0.547412	5.565851	4.464254	12.83466	2.009959
10851	LOC119628	22.27311	1.528516	0.574555	2.660348	0.007806	0.019125	11.38381	9.306001	13.2189	35.71403	44.92132	19.09461
399	NFKBIA	2417.062	1.527655	0.097286	15.70274	1.45E-55	9.65E-54	1185.543	1329.116	1221.009	3578.1	3495.307	3693.3
2268	TET1	240.8554	1.527638	0.204399	7.473794	7.79E-14	9.13E-13	118.1748	149.4434	104.3597	321.4263	382.9008	368.8275
12807	LOC103225	13.76662	1.527478	0.68264	2.237606	0.025247	0.052408	5.96295	7.116354	8.348776	13.39276	25.66933	22.10955
15006	LOC103240	11.03542	1.527337	0.83357	1.832284	0.066909	0.118538	5.420864	7.663765	3.478657	20.08914	23.53022	6.029877
12218	ZDHHC19	17.56029	1.526273	0.645923	2.362932	0.018131	0.039451	7.589209	9.306001	9.740239	35.71403	29.94755	13.06473
28319	LOC119615	0.70471	1.525676	3.224742	0.473116	0.636131	NA	1.084173	0	0	0	2.139111	1.004979
727	MARVELD1	970.3123	1.525627	0.120918	12.61703	1.70E-36	6.22E-35	485.1673	551.2437	464.7486	1392.847	1437.482	1490.385
27046	LOC103235	0.720213	1.525254	3.202247	0.476307	0.633855	NA	1.084173	0	0	2.232127	0	1.004979
27841	LOC103233	0.720213	1.525254	3.202247	0.476307	0.633855	NA	1.084173	0	0	2.232127	0	1.004979
18259	TRNAE-CU	4.571976	1.524953	1.180623	1.291651	0.196478	0.286071	2.710432	2.737059	1.391463	11.16063	6.417332	3.014938
12346	NRIP2	17.16063	1.524838	0.653081	2.334837	0.019552	0.042102	8.673382	6.568942	11.1317	17.85702	40.6431	18.08963
571	FBXO30	1792.949	1.524208	0.10982	13.87919	8.47E-44	3.94E-42	922.0889	973.8456	882.1874	2484.357	2579.767	2915.445
560	NT5C2	6757.494	1.523103	0.108342	14.05835	6.85E-45	3.25E-43	3306.185	3995.011	3163.491	9792.341		



554	PPP3CC	1083.751	1.520033	0.10773	14.10963	3.31E-45	1.59E-43	571.359	553.9808	556.5851	1533.471	1644.976	1642.136
9272	NPBWR1	26.26683	1.519636	0.499991	3.039325	0.002371	0.006798	15.7205	11.49565	13.2189	37.94616	47.06043	32.15934
400	CYP3A5	5481.837	1.519447	0.096893	15.68177	2.02E-55	1.34E-53	2620.446	3111.489	2773.185	8261.102	8087.977	8036.821
4163	P2RX6	82.17246	1.518382	0.289261	5.249184	1.53E-07	9.76E-07	39.5723	47.07742	40.35242	124.9991	130.4858	110.5477
17902	CCL21	5.263847	1.51834	1.115511	1.361117	0.173477	0.257618	2.168345	4.379295	1.391463	8.928508	10.69555	4.019918
606	IRF1	1473.156	1.516952	0.111921	13.55375	7.53E-42	3.30E-40	787.1094	762.5447	742.3454	2049.093	2089.911	2407.931
21960	BCL2A1	1.425811	1.51671	2.065606	0.734269	0.462785	0.560246	1.626259	0.547412	0	2.232127	2.139111	2.009959
18548	BPIFB4	5.861438	1.516495	1.219876	1.243155	0.213811	0.306446	2.168345	0.547412	6.261582	15.62489	8.556443	2.009959
3849	SFRP4	105.2477	1.515637	0.275691	5.497582	3.85E-08	2.66E-07	50.41403	62.40495	50.78839	124.9991	186.1026	156.7768
27342	LOC119623	0.706486	1.514529	3.222226	0.470026	0.638337	NA	0	1.094824	0	0	2.139111	1.004979
9506	SDR9C7	37.67564	1.514224	0.507604	2.983084	0.002854	0.007981	23.30971	13.6853	20.87194	51.33892	87.70354	29.1444
29487	LOC103221	0.721988	1.514149	3.199813	0.473199	0.636071	NA	0	1.094824	0	2.232127	0	1.004979
1602	RGS20	294.4182	1.514123	0.168668	8.976919	2.78E-19	4.62E-18	143.6529	155.465	157.931	446.4254	462.0479	400.9868
12496	TAS2R3	15.14659	1.514084	0.657605	2.30242	0.021311	0.045336	5.96295	7.116354	10.43597	29.01765	19.252	19.09461
28407	LOC103230	0.705598	1.514047	2.925685	0.517502	0.604806	NA	0.542086	0.547412	0	0	2.139111	1.004979
29213	LOC119627	0.705598	1.514047	2.925685	0.517502	0.604806	NA	0.542086	0.547412	0	0	2.139111	1.004979
16357	LOC103221	8.010126	1.513158	0.948524	1.595277	0.11065	0.17984	3.252518	2.737059	6.261582	20.08914	10.69555	5.024897
4700	LOC119627	73.02017	1.513061	0.309793	4.884112	1.04E-06	5.88E-06	35.23561	33.39212	45.22254	116.0706	102.6773	105.5228
658	PPM1L	1375.797	1.512331	0.115692	13.07199	4.76E-39	1.92E-37	693.3285	790.4627	659.5533	1959.807	2015.042	2136.586
14467	LOC119626	12.58154	1.510976	0.782629	1.93064	0.053528	0.098357	7.589209	4.379295	7.653045	6.696381	32.08666	17.08465
3935	LOC119615	106.617	1.510916	0.278952	5.416402	6.08E-08	4.11E-07	55.8349	64.59459	46.614	138.3919	143.3204	190.9461
14768	MAPK10	11.96519	1.510897	0.804361	1.87838	0.060329	0.108596	8.131296	6.568942	3.478657	15.62489	29.94755	8.039836
7923	LOC119624	33.01498	1.51089	0.440237	3.431995	0.000599	0.00201	17.88885	15.87494	17.39328	49.10679	55.61688	42.20914
18103	TMCO2	4.543272	1.510669	1.144569	1.319858	0.186882	0.274414	3.252518	1.642235	2.087194	6.696381	8.556443	5.024897
655	SNCA	1623.978	1.509875	0.115374	13.08679	3.92E-39	1.59E-37	755.6684	940.4535	836.9648	2361.59	2382.969	2466.22
437	UNC5D	5378.048	1.509862	0.099003	15.25073	1.63E-52	9.90E-51	2722.358	3053.463	2611.776	7790.123	7670.851	8419.718
4490	ADORA2A	92.56384	1.509239	0.300872	5.016208	5.27E-07	3.12E-06	51.49821	37.224	54.96278	142.8561	158.2942	110.5477
20364	LOC119623	2.412756	1.508866	1.560376	0.966989	0.333549	0.435445	0.542086	1.094824	2.087194	4.464254	4.278221	2.009959
21923	LOC103241	2.876637	1.508736	2.036694	0.740777	0.458829	0.55635	0	1.642235	2.782925	0	12.83466	0
11076	CMYA5	27.66061	1.508657	0.577823	2.610934	0.00903	0.021673	13.55216	16.96977	11.82743	71.42806	32.08666	20.09959
1770	THEM6	1294.529	1.508405	0.176715	8.535801	1.39E-17	2.09E-16	729.6483	507.9982	785.4807	1928.558	1574.385	2241.104
572	ENO2	1296.469	1.508002	0.108693	13.87395	9.11E-44	4.23E-42	685.1972	662.9157	678.3381	1861.594	1822.522	2068.248
16762	LOC103215	8.976647	1.507836	0.984968	1.530848	0.125807	0.199511	1.626259	9.306001	2.782925	24.5534	8.556443	7.034856
18048	LOC119620	6.885835	1.507505	1.129448	1.334728	0.181966	0.268038	0.542086	2.189647	8.348776	4.464254	10.69555	15.07469
298	CAMK2D	5261.994	1.506523	0.086024	17.51289	1.14E-68	1.02E-66	2848.122	2769.904	2600.644	7651.731	7852.675	7848.89
14661	LOC119627	10.57336	1.505196	0.793976	1.89577	0.057991	0.105155	3.794605	4.926706	7.653045	15.62489	21.39111	10.04979
8484	LOC119624	36.91355	1.504388	0.461567	3.259303	0.001117	0.0035	17.88885	16.42235	22.95914	46.87467	79.14709	38.18922
564	FAM102A	1730.497	1.504371	0.107367	14.01147	1.33E-44	6.25E-43	875.4695	953.044	879.4045	2600.428	2355.161	2719.474
588	ADORA1	1367.315	1.504053	0.10946	13.74061	5.80E-43	2.62E-41	705.2544	764.7343	669.2936	2006.682	1944.452	2113.472
9214	ECT2L	35.13866	1.503819	0.492822	3.051448	0.002277	0.006571	16.26259	16.42235	21.56767	53.7105	74.86887	28.13943
18738	LDHAL6A	5.288506	1.503772	1.226406	1.226162	0.220138	0.312326	1.084173	2.189647	4.87012	4.464254	17.11289	2.009959
8427	LRRRC23	41.64428	1.50346	0.45909	3.274871	0.001057	0.003335	21.68345	16.96977	25.74206	64.73168	85.56443	35.17428
4994	LOC119628	83.83899	1.502517	0.320283	4.691216	2.72E-06	1.45E-05	54.20864	34.48694	41.74388	116.0706	154.016	102.5079
872	EMX1	803.6536	1.502395	0.128624	11.68053	1.60E-31	4.89E-30	410.3594	466.3949	381.2608	1178.563	1157.259	1228.085
13036	ZNF404	15.53496	1.501922	0.68335	2.197883	0.027957	0.057015	7.047123	9.306001	7.653045	15.62489	38.50399	15.07469
19444	LOC119620	6.535805	1.500435	1.351115	1.110516	0.266777	0.364753	0	0.547412	9.740239	8.928508	14.97377	5.024897
1208	LOC103218	1019.641	1.500175	0.148135	10.12711	4.19E-24	9.22E-23	472.6993	649.2304	475.8803	1419.633	1548.716	1551.688
13838	VSIG2	12.20129	1.499718	0.734404	2.042089	0.041143	0.079042	5.96295	6.02153	6.957314	13.39276	27.80844	13.06473
19153	LOC119627	4.302449	1.499222	1.292641	1.159813	0.246125	0.341629	1.626259	2.189647	2.782925	2.232127	14.97377	2.009959
7343	LOC119623	45.81728	1.498922	0.41424	3.618489	0.000296	0.001073	16.26259	22.9913	32.69937	62.49956	79.14709	61.30375
18463	LOC103220	4.07258	1.498875	1.194939	1.254352	0.209714	0.301969	2.168345	2.737059	1.391463	6.696381	6.417332	5.024897
1080	SPNS2	6253.889	1.498448	0.141365	10.59983	2.99E-26	7.35E-25	3703.534	2605.68	3503.007	9069.132	8216.324	10425.66
13430	ST6GAL2	14.52893	1.497844	0.706224	2.120921	0.033928	0.067163	5.420864	9.306001	7.653045	33.4819	19.252	12.05975
20271	LOC119623	3.087349	1.497597	1.521449	0.984323	0.324957	0.426174	1.084173	1.642235	2.087194	0	10.69555	3.014938
15392	LOC119624	110.7642	1.497047	0.850023	1.761184	0.078207	0.135079	59.08741	10.40082	104.3597	200.8914	173.268	116.5776
7782	TENT5C	40.64427	1.4968	0.431347	3.470063	0.00052	0.001778	17.34676	28.46541	17.39328	73.66019	57.75599	49.24399
11875	LOC103218	17.02449	1.496723	0.615365	2.432253	0.015005	0.033593	5.96295	10.40082	10.43597	24.5534	25.66933	25.12449
19660	LOC103241	3.106046	1.496422	1.389711	1.076786	0.281576	0.380758	1.084173	1.094824	2.782925	2.232127	6.417332	5.024897
10687	ZNF540	22.15906	1.496392	0.555218	2.695144	0.007036	0.017502	14.63633	9.306001	11.1317	22.32127	36.36488	39.1942
8718	P2RY8	30.82705	1.496375	0.467904	3.198038	0.001384	0.004219	13.01007	19.15941	16.69755	40.17829	40.6431	55.27387
790	IKBKE	1110.159	1.49563	0.12283	12.17642	4.15E-34	1.40E-32	568.1065	612.5538	566.3253	1502.221	1578.664	1833.083
8746	LOC119623	32.06017	1.495616	0.468866	3.189856	0.001423	0.004327	14.63633	22.9913	12.52316	44.64254	51.33866	46.22906
11793	LOC119623	19.24044	1.495594	0.610307	2.450558	0.014263	0.032154	10.29964	5.474118	14.61036	31.24978	25.66933	28.13943
770	ZNF697	1073.389	1.495486	0.121316	12.32723	6.46E-35	2.23E-33	530.7026	628.9762	526.6686	1529.007	1597.916	1627.062
21078	MYMK	2.381751	1.495257	1.721076	0.868792	0.384961	0.485539	0.542086	1.094824	2.087194	0	8.556443	2.009959
16878	MDGA2	6.541949	1.4948	0.989884	1.510076	0.131024	0.20638	2.168345	3.831883	4.174388	15.62489	6.417332	7.034856
22245	LOC103233	1.675265	1.494539	2.181755	0.685017	0.493333	0.589556	0.542086	0	2.087194	0	6.417332	1.004979
9229	LOC103241	30.78309	1.494227	0.490336	3.047354	0.002309	0.00665	11.38381	15.87494	20.87194	44.64254	57.75599	34.1693
19247	LOC119618	3.350591	1.493743	1.304531	1.145042	0.252192	0.348308	2.168345	1.642235	1.391463	4.464254	6.417332	4.019918
9989	LOC103241	26.26864	1.493559	0.521562	2.86363	0.004188	0.011147	11.9259	14.78012	14.61036	53.571		



2392	ARMH4	262.7195	1.492201	0.204907	7.282336	3.28E-13	3.65E-12	118.7169	173.5295	121.0573	368.301	395.7355	398.9768
15800	LOC103232	9.171665	1.492114	0.876914	1.701551	0.08884	0.149481	6.505036	5.474118	2.087194	20.08914	12.83466	8.039836
5032	BCL11B	72.23523	1.491978	0.319342	4.672033	2.98E-06	1.58E-05	35.23561	42.15071	35.4823	131.6955	98.39909	90.44815
19578	LOC103229	3.371951	1.491813	1.371282	1.087896	0.276641	0.375651	0.542086	2.737059	2.087194	6.696381	2.139111	6.029877
17230	LOC103230	6.639006	1.491536	1.019468	1.463053	0.143453	0.22134	2.710432	4.379295	3.478657	2.232127	14.97377	12.05975
5489	LOC119627	82.44251	1.491526	0.337872	4.144471	1.01E-05	4.90E-05	31.9831	41.05589	57.7457	89.28508	136.9031	137.6822
19645	ZNF287	3.418625	1.491501	1.383092	1.078382	0.280863	0.380084	2.168345	1.642235	1.391463	11.16063	2.139111	2.009959
13660	LOC119628	12.74357	1.491087	0.718218	2.076093	0.037885	0.073732	4.336691	8.211177	7.653045	22.32127	12.83466	21.10457
1086	STAB2	653.8596	1.490652	0.141266	10.5521	4.97E-26	1.22E-24	362.1137	339.3953	330.4724	839.2797	977.5736	1074.323
18900	LOC119619	4.12511	1.490555	1.237364	1.204621	0.22835	0.3212	2.168345	2.737059	1.391463	11.16063	4.278221	3.014938
1008	COQ10A	498.0686	1.490414	0.13603	10.95653	6.18E-28	1.63E-26	262.3698	267.6844	254.6377	758.9232	693.0719	751.7246
10878	LOC119625	22.39314	1.489915	0.561336	2.654231	0.007949	0.019427	8.131296	14.23271	12.52316	35.71403	40.6431	23.11453
8764	SVOPL	61.80905	1.489625	0.467939	3.183376	0.001456	0.004416	28.18849	19.15941	49.39693	102.6778	126.2075	45.22408
544	JAG1	3007.129	1.489288	0.105173	14.1603	1.61E-45	7.88E-44	1555.788	1678.912	1506.954	4368.273	4087.84	4845.006
1220	CSMD2	434.0118	1.488811	0.147367	10.10277	5.37E-24	1.17E-22	226.5921	212.9432	245.5932	600.4422	665.2634	653.2367
21445	LOC103233	1.94117	1.488721	1.832575	0.812365	0.416582	0.516439	0	1.642235	1.391463	4.464254	2.139111	2.009959
16589	LOC119618	7.514505	1.488672	0.954821	1.559112	0.11897	0.190657	3.252518	5.474118	2.782925	17.85702	10.69555	5.024897
14555	POU2AF1	13.00632	1.488639	0.777033	1.915798	0.055391	0.101172	3.252518	6.02153	11.1317	15.62489	29.94755	12.05975
2006	GPR68	257.8746	1.488464	0.186905	7.963739	1.67E-15	2.21E-14	139.8583	121.5254	146.7993	334.819	387.179	417.0665
14444	LOC103240	11.76926	1.487709	0.768674	1.935422	0.052939	0.097436	8.673382	6.02153	3.478657	17.85702	23.53022	11.05477
4829	LOC103241	109.8376	1.487554	0.310262	4.794517	1.63E-06	8.97E-06	54.75072	50.36189	66.79021	174.1059	207.4937	105.5228
15342	LOC119626	9.206692	1.487365	0.839366	1.772011	0.076393	0.132374	4.878777	3.831883	5.565851	20.08914	12.83466	8.039836
21025	LOC119627	2.401336	1.486774	1.695977	0.876648	0.380678	0.481347	0	1.094824	2.782925	2.232127	4.278221	4.019918
819	KATZB	2189.154	1.486586	0.124505	11.93997	7.32E-33	2.38E-31	1069.536	1348.275	1037.335	3131.674	3140.214	3407.885
6131	LOC119624	68.43534	1.485988	0.36207	4.104151	4.06E-05	0.000176	30.89892	38.31883	37.56949	124.9991	115.512	63.31371
21932	LCN1	2.204352	1.485976	2.011067	0.738899	0.459968	0.557553	0	0	3.478657	4.464254	4.278221	1.004979
619	ITGB8	2037.661	1.48587	0.11083	13.40674	5.52E-41	2.37E-39	1012.075	1175.841	1031.074	2841.498	2928.443	3237.039
18414	VSTM2L	4.552495	1.485745	1.176922	1.262399	0.206805	0.298572	3.252518	1.094824	2.782925	4.464254	10.69555	5.024897
10124	LOC103224	23.26755	1.485637	0.524587	2.832012	0.004626	0.012147	10.84173	12.59047	13.2189	29.01765	42.78221	31.15436
6945	LOC103215	46.27866	1.485197	0.395121	3.75884	0.000171	0.000653	26.56223	29.56024	16.69755	69.19594	66.31243	69.34358
13383	LOC103240	14.26296	1.4846	0.696838	2.130483	0.033132	0.065815	4.336691	7.116354	11.1317	26.78552	17.11289	19.09461
18891	LOC119625	4.110495	1.483978	1.23132	1.205192	0.228129	0.321046	1.626259	3.284471	1.391463	8.928508	6.417332	3.014938
11634	ADGRD1	26.46551	1.482744	0.596341	2.486403	0.012904	0.029487	11.9259	8.211177	21.56767	26.78552	64.17332	26.12947
3170	LOC103211	131.4306	1.482725	0.239355	6.194674	5.84E-10	4.90E-09	74.80792	67.33165	65.39875	169.6417	222.4675	188.9361
640	PLXDC2	5643.865	1.48261	0.112268	13.206	8.10E-40	3.37E-38	2747.836	3416.945	2760.662	7988.782	8139.316	8809.65
15837	LOC119627	7.977865	1.482539	0.875892	1.692605	0.090531	0.151971	3.252518	4.379295	4.87012	15.62489	10.69555	9.044815
11810	ZNF418	21.78346	1.482465	0.605884	2.44678	0.014414	0.032446	13.01007	7.663765	13.2189	37.94616	42.78221	16.07967
14093	PPP1R16B	16.65817	1.482066	0.742437	1.996218	0.04591	0.086605	3.794605	10.40082	11.82743	20.08914	42.78221	11.05477
20751	LOC103220	3.212883	1.481982	1.62768	0.910487	0.362566	0.464437	0	2.189647	2.782925	11.16063	2.139111	1.004979
8271	WNT10B	32.38679	1.481512	0.44594	3.32222	0.000893	0.00287	17.34676	16.42235	17.39328	40.17829	75.75599	45.22408
20141	LOC119627	3.357336	1.481406	1.473955	1.005055	0.31487	0.415611	0	3.284471	2.087194	4.464254	4.278221	6.029877
9511	LOC119618	26.41849	1.4813	0.496845	2.981416	0.002869	0.00802	11.9259	16.42235	13.2189	35.71403	47.06043	34.1693
653	ENDOD1	2321.263	1.480444	0.113028	13.09799	3.38E-39	1.38E-37	1143.802	1371.814	1160.48	3205.334	3416.16	3629.986
7263	LOC119627	43.68925	1.480167	0.405812	3.647424	0.000265	0.00097	28.18849	19.70683	20.87194	55.80317	81.28621	56.27885
785	ATP6VOD1	4065.714	1.480052	0.121383	12.19319	3.38E-34	1.14E-32	2329.887	1911.562	2199.903	5774.512	5377.724	6800.696
6140	GPR146	64.60919	1.479479	0.360754	4.10107	4.11E-05	0.000178	27.6464	32.84471	41.74388	73.66019	128.3466	83.4133
11285	SNTG1	28.60145	1.479377	0.577639	2.561076	0.010435	0.02458	10.84173	13.6853	20.17621	44.64254	64.17332	18.08963
16560	CC2D2B	8.18034	1.479019	0.945859	1.563679	0.117893	0.189251	1.626259	7.663765	3.478657	11.16063	17.11289	8.039836
460	P4HA2	3031.918	1.478883	0.098815	14.96618	1.22E-50	7.06E-49	1589.939	1617.054	1600.182	4363.808	4158.431	4862.091
19255	KLRG2	5.37184	1.478451	1.292115	1.144211	0.252536	0.348672	2.168345	3.284471	2.782925	11.16063	12.83466	0
11204	LOC103222	20.78091	1.477901	0.572404	2.58192	0.009825	0.023313	13.55216	9.853413	9.044508	40.17829	29.94755	22.10955
6751	LOC119618	56.0135	1.477789	0.385245	3.835969	0.000125	0.000493	32.52518	18.612	38.26523	80.35657	74.86887	91.45313
5194	PPM1N	70.89319	1.477681	0.322492	4.582065	4.60E-06	2.36E-05	39.5723	35.58177	36.17803	113.8385	119.7902	80.39836
19080	LOC103225	4.364092	1.476709	1.259411	1.172539	0.240981	0.335775	1.084173	4.379295	1.391463	11.16063	2.139111	6.029877
14052	WDR88	12.58803	1.475774	0.736141	2.004744	0.04499	0.085118	7.047123	4.926706	7.653045	22.32127	23.53022	10.04979
11243	LOC119615	69.72176	1.475052	0.573438	2.572294	0.010103	0.023889	16.26259	13.13788	81.40057	120.5349	117.6511	69.34358
9200	ANKRD30A	38.23844	1.474886	0.48286	3.054482	0.002254	0.006515	22.22554	10.40082	27.82925	64.73168	62.03421	42.20914
894	DNM1	1170.065	1.474428	0.128218	11.49938	1.33E-30	3.95E-29	674.3554	530.9895	653.9875	1741.059	1632.141	1787.858
2280	FGFR3	477.6149	1.47441	0.197931	7.449105	9.40E-14	1.10E-12	262.3698	187.7623	310.2962	725.4413	598.951	780.869
21390	LOC119627	2.879832	1.474354	1.802557	0.817924	0.413401	0.513804	0	1.094824	3.478657	0	10.69555	2.009959
514	APPL2	1745.477	1.473342	0.102325	14.39862	5.28E-47	2.73E-45	952.4458	941.0009	881.4916	2457.572	2519.872	2720.479
412	CTSB	11637.04	1.473125	0.09481	15.53767	1.93E-54	1.24E-52	6212.852	6318.775	5962.418	16642.74	15906.43	18779.05
7820	LOC119620	39.17019	1.472951	0.425617	3.460741	0.000539	0.001831	19.51511	24.08612	18.08902	75.89232	49.19955	48.23901
15505	LOC119625	11.47852	1.472821	0.844892	1.743206	0.081298	0.139394	8.131296	2.189647	7.653045	29.01765	12.83466	9.044815
6967	TEX26	48.19472	1.472814	0.392803	3.7495	0.000177	0.000676	22.76763	33.39212	20.17621	82.5887	59.8951	70.34856
14849	LOC103235	10.52116	1.471973	0.790345	1.862444	0.062541	0.11197	5.96295	4.926706	6.261582	11.16063	10.69555	24.11951
11921	LOC103215	22.98392	1.471682	0.608138	2.419979	0.015521	0.034614	7.589209	18.612	9.740239	37.94616	44.92132	19.09461
19357	LOC103226	3.390814	1.470973	1.306287	1.126072	0.260135	0.357271	2.168345	1.094824	2.087194	6.696381	4.278221	4.019918
5650	DISP2	75.52875	1.469734	0.338143	4.346488	1.38E-05	6.51E-05	32.52518	33.39212	54.96278	91.51721	126.2075	114.5677
19841	LOC103238	3.355726	1.469446	1.403459	1.047017	0.295092	0.395012	2					



19518	LOC119621	4.697779	1.468106	1.336739	1.098275	0.272085	0.370585	3.252518	0.547412	3.478657	15.62489	4.278221	1.004979
19149	LOC119618	4.927483	1.466652	1.263264	1.161002	0.245641	0.341029	1.084173	1.094824	5.565851	13.39276	6.417332	2.009959
17424	LOC103246	7.596535	1.466542	1.028839	1.425435	0.154032	0.235017	5.96295	1.642235	4.174388	20.08914	10.69555	3.014938
6585	S100A5	49.05286	1.466538	0.375335	3.907282	9.33E-05	0.000377	21.14137	26.82318	29.91645	78.12444	77.00798	61.30375
18444	LOC103246	6.274006	1.465875	1.165505	1.257717	0.208494	0.300505	3.794605	0.547412	5.565851	4.464254	19.252	4.019918
662	PPARGC1B	1098.077	1.465675	0.112203	13.06273	5.38E-39	2.16E-37	559.9752	612.5538	580.9357	1546.864	1578.664	1709.47
15810	LOC103225	8.216124	1.46554	0.862493	1.69919	0.089283	0.150133	4.336691	4.379295	4.174388	13.39276	14.97377	8.039836
21453	LOC119628	2.490007	1.465015	1.807089	0.810704	0.417536	0.517419	0.542086	0.547412	2.782925	8.928508	2.139111	0
16036	KCNK4	13.44501	1.464545	0.882897	1.658795	0.097157	0.16107	3.794605	1.642235	16.00182	26.78552	21.39111	11.05477
9969	LOC103246	51.29098	1.46403	0.510016	2.870558	0.004097	0.010927	21.68345	15.87494	43.83108	73.66019	115.512	37.18424
13566	MYCN	15.54799	1.463635	0.698316	2.095948	0.036087	0.070719	5.96295	9.306001	9.740239	8.928508	34.22577	25.12449
901	S100A3	911.8413	1.46333	0.127711	11.45818	2.14E-30	6.31E-29	490.5882	429.7183	537.1046	1368.294	1285.606	1359.737
731	SEMA3F	5074.392	1.463114	0.116177	12.59389	2.28E-36	8.30E-35	2817.223	2472.659	2818.408	7412.894	6528.566	8396.603
2035	SUOX	343.8651	1.463054	0.185215	7.899239	2.81E-15	3.67E-14	178.8885	212.9432	158.6268	491.0679	442.7959	578.8682
16322	LOC119621	8.518997	1.462113	0.913062	1.601329	0.109304	0.178033	2.710432	4.379295	6.261582	15.62489	17.11289	5.024897
2062	GDPGP1	364.5037	1.461865	0.185843	7.866109	3.66E-15	4.72E-14	223.3396	152.1805	208.0237	491.0679	547.6123	564.7985
13792	LOC119621	12.76701	1.46138	0.713656	2.047736	0.040586	0.078232	9.757555	4.379295	6.261582	17.85702	19.252	19.09461
20319	LOC119628	2.686991	1.461046	1.498426	0.975054	0.329534	0.431156	0.542086	1.642235	2.087194	6.696381	2.139111	3.014938
517	ADAMTS1	40887.62	1.460896	0.101524	14.38959	6.01E-47	3.09E-45	21346.82	23447.29	20581.13	57957.18	55509.92	66483.41
15564	LOC103235	9.131485	1.460598	0.842289	1.734083	0.082903	0.141608	4.878777	3.831883	6.261582	11.16063	8.556443	20.09959
16279	LOC119618	8.979694	1.460402	0.906079	1.611783	0.107009	0.174755	4.336691	1.642235	8.348776	13.39276	17.11289	9.044815
1636	DRP2	323.759	1.460058	0.164348	8.883966	6.45E-19	1.05E-17	179.4306	183.9304	154.4524	477.6752	455.6306	491.435
26589	TRNAN-GL	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
26646	LOC119628	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
26684	SPINK14	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
26711	LOC119618	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
26712	LOC119618	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
26973	UBL4B	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27000	CUNH9orf	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
27186	LOC119625	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27193	SMLR1	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27261	LOC119625	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27286	LOC119625	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27292	LOC103211	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27346	LOC119628	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27347	STRIT1	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27441	LOC119625	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27590	LOC103247	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27643	TRNAA-AG	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27765	LOC119627	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27776	LOC103215	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27793	LOC119627	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
27829	LOC119627	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
27881	LOC119627	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
27900	FGFBP2	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28032	LOC103227	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28064	CUNH20orf	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28102	LOC119618	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28261	LOC119615	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28311	LOC119615	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
28344	LOC119615	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28358	LOC119615	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28401	LOC119615	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28411	LOC119615	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
28504	LOC119628	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
28529	LOC119628	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28541	LOC119628	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28627	TEX51	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28676	LOC119628	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28758	LOC119627	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28821	LOC119627	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
28859	KRTAP8-1	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28864	LOC119627	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28870	LOC119627	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28914	LOC103227	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
28953	LOC119627	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
28984	PFN3	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
29070	PPP1R27	0.257844	1.459961	4.072558	0.358488	0.719979	NA	0.542086	0	0	0	0	1.004979
29151	PF4V1	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
29184	LOC119627	0.283452	1.459961	4.072558	0.358488	0.719979	NA	0	0	0.695731	0	0	1.004979
29214	LOC119627	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
29236	LOC119627	0.258732	1.459961	4.072558	0.358488	0.719979	NA	0	0.547412	0	0	0	1.004979
20828	SLC6A18	2.421974	1.459698	1.620551	0.900742	0.367726	0.469367	0.542086	0.547412	2.782925	2.232127	6.417332	2.009959
3377	TNFRSF6B	340.7651	1.459482	0.244733	5.963565	2.47E-09	1.94E-08	228.2184	114.4091	203.1536	562.496	410.7092	525.6043



10339	SLC25A48	22.42899	1.459123	0.524946	2.779568	0.005443	0.013996	13.01007	10.40082	12.52316	31.24978	34.22577	33.16432
1012	SOX6	2195.634	1.458248	0.13323	10.94535	7.00E-28	1.84E-26	1045.685	1408.491	1061.686	3160.692	3080.319	3416.93
629	ARRDC3	7508.707	1.458168	0.10967	13.29593	2.44E-40	1.03E-38	3686.187	4619.061	3714.51	11176.26	11151.18	10705.04
12736	SHBG	16.64781	1.457761	0.647642	2.250874	0.024394	0.050919	5.96295	7.116354	13.91463	20.08914	25.66933	27.13445
3206	DOCK8	147.1979	1.457709	0.236842	6.154774	7.52E-10	6.23E-09	63.96619	90.87036	81.40057	218.7484	201.0764	227.1254
10635	KLHL35	26.98863	1.456617	0.537573	2.709619	0.006736	0.016839	13.01007	10.94824	18.78475	46.87467	49.19955	23.11453
8964	LOC119627	30.87492	1.456055	0.46553	3.127733	0.001762	0.005224	15.17842	13.6853	20.87194	37.94616	51.33866	46.22906
21278	LOC119627	2.141514	1.455825	1.735128	0.83903	0.401452	0.501579	1.626259	1.094824	0.695731	0	6.417332	3.014938
7681	LMO1	55.0092	1.455174	0.416009	3.49794	0.000469	0.001623	24.93597	23.53871	38.96096	95.98146	98.39909	48.23901
470	ACSL1	2323.785	1.45488	0.097748	14.88405	4.18E-50	2.37E-48	1253.304	1251.383	1225.183	3296.852	3257.866	3658.125
16803	LOC103227	6.790313	1.454826	0.954284	1.524521	0.127379	0.201521	2.710432	3.831883	4.174388	11.16063	12.83466	6.029877
18488	CCDC70	5.076184	1.45456	1.160534	1.253354	0.210077	0.301974	2.168345	1.094824	4.87012	4.464254	12.83466	5.024897
487	CHST15	3706.613	1.454544	0.098466	14.77208	2.22E-49	1.21E-47	1933.08	2002.98	2013.447	5363.801	5014.075	5912.294
18937	FETUB	4.597914	1.45395	1.213762	1.197887	0.230961	0.324238	4.878777	1.642235	0.695731	8.928508	6.417332	5.024897
4706	LOC103237	78.72863	1.453486	0.297778	4.881101	1.05E-06	5.96E-06	49.32986	39.96106	36.87376	120.5349	109.0946	116.5776
1829	MYOM3	265.1816	1.453394	0.173681	8.368171	5.85E-17	8.51E-16	152.8684	138.4952	134.2762	399.5507	367.927	397.9719
9964	PCDH85	27.67364	1.453166	0.506013	2.871798	0.004081	0.01089	11.38381	18.612	13.91463	51.33892	40.6431	30.14938
13973	MYL7	15.80111	1.452723	0.720296	2.016842	0.043712	0.083166	4.878777	7.663765	12.52316	22.32127	36.36488	11.05477
19736	LOC119626	3.805951	1.452555	1.366675	1.062838	0.287855	0.38775	4.336691	0.547412	1.391463	2.232127	4.278221	10.04979
19950	LOC103217	3.64435	1.451903	1.398961	1.037844	0.299343	0.398899	0.542086	0.547412	4.87012	4.464254	6.417332	5.024897
764	DPYSL2	4818.991	1.451699	0.117029	12.40461	2.47E-35	8.58E-34	2342.355	2946.718	2453.845	7004.414	6498.618	7667.993
11289	PARVG	24.95536	1.45153	0.566912	2.560418	0.010455	0.02462	7.047123	14.78012	18.08902	33.4819	49.19955	27.13445
897	SMPD1	1180.553	1.450519	0.126266	11.48785	1.52E-30	4.50E-29	638.0357	619.1228	642.8558	1816.951	1475.986	1890.366
13138	SV2C	14.49526	1.450081	0.66453	2.182115	0.029101	0.058881	8.131296	5.474118	9.740239	17.5702	25.66933	20.09959
2375	RGS11	320.0558	1.449924	0.198459	7.305906	2.75E-13	3.08E-12	165.8784	148.3486	202.4578	495.5322	376.4835	531.6341
9059	MGAM	52.89318	1.449493	0.46873	3.09238	0.001986	0.005827	30.89892	22.44388	30.61218	82.5887	117.6511	33.16432
1003	LGALS3	20864.02	1.449246	0.132068	10.97345	5.13E-28	1.36E-26	12323.25	8701.111	12532.21	30316.75	30777.52	30533.29
10568	LOC103215	26.1834	1.449198	0.531022	2.729075	0.006351	0.015977	16.80468	9.853413	16.00182	24.5534	40.6431	49.24399
3018	LOC119627	160.4559	1.447757	0.226595	6.389178	1.67E-10	1.47E-09	78.06044	88.1333	91.14081	225.4448	275.9453	204.0108
14113	LDLRAD2	13.083	1.447139	0.726721	1.991327	0.046445	0.087489	3.794605	8.758589	8.348776	17.85702	25.66933	14.06971
20181	LOC119627	3.661793	1.446757	1.446655	1.000071	0.317276	0.417957	1.084173	0.547412	4.174388	4.464254	10.69555	1.004979
14130	LOC119627	14.84941	1.446744	0.727645	1.988256	0.046783	0.088021	7.047123	6.02153	10.43597	22.32127	34.22577	9.044815
13379	LOC103226	20.14217	1.446252	0.678703	2.130905	0.033097	0.065766	7.589209	19.15941	5.565851	42.41041	14.97377	31.15436
11845	LOC119627	19.68237	1.446015	0.592945	2.438701	0.01474	0.033083	8.673382	7.663765	15.30609	31.24978	32.08666	23.11453
14839	LOC103237	12.15906	1.445955	0.775729	1.863995	0.062322	0.111655	4.878777	6.02153	8.348776	17.85702	27.80844	8.039836
1538	DENND3	393.8958	1.445683	0.158222	9.137053	6.42E-20	1.11E-18	200.572	198.7105	237.2444	575.8888	536.9168	614.0425
17129	LOC119627	6.317839	1.444114	0.977962	1.476657	0.139768	0.216926	2.710432	3.831883	3.478657	11.16063	10.69555	6.029877
11894	POU5F2	21.83911	1.443806	0.595009	2.426527	0.015244	0.034073	15.7205	9.853413	9.740239	15.62489	44.92132	35.17428
1665	MYO16	303.3101	1.442888	0.163857	8.805796	1.30E-18	2.07E-17	170.2151	162.0339	157.2353	464.2824	412.8484	453.2457
2266	MFSD4A	267.4124	1.441751	0.192883	7.474761	7.73E-14	9.07E-13	135.5216	134.1159	163.4969	424.1041	325.1448	422.0914
12360	SLC22A20F	21.58506	1.441564	0.618734	2.32986	0.019814	0.042617	11.9259	10.40082	11.82743	51.33892	29.94755	14.06971
15698	LOC119618	9.752591	1.44156	0.839534	1.717096	0.085962	0.145579	4.336691	5.474118	5.565851	17.85702	19.252	6.029877
21675	LOC119618	2.176767	1.441479	1.84681	0.780524	0.435083	0.53367	2.710432	0	0.695731	2.232127	6.417332	1.004979
19180	LOC119618	5.15024	1.441325	1.245566	1.157164	0.247205	0.342721	2.168345	1.094824	4.87012	8.928508	12.83466	1.004979
19022	SYTL5	7.847715	1.441092	1.220491	1.180748	0.237703	0.332212	3.794605	7.116354	1.391463	13.39276	21.39111	0
15716	SLC52A1	10.74609	1.439849	0.839375	1.715382	0.086275	0.145942	4.878777	3.831883	8.348776	17.85702	23.53022	6.029877
19026	MEIOSIN	4.640573	1.439847	1.220283	1.179929	0.238028	0.332597	0.542086	2.189647	4.87012	8.928508	4.278221	7.034856
11874	CATSPERG	27.68278	1.43974	0.591899	2.432411	0.014999	0.033581	8.131296	11.49565	25.04633	31.24978	62.03421	28.13943
12130	MACC1	19.83798	1.439515	0.60507	2.379088	0.017356	0.038038	9.215468	8.211177	14.61036	20.08914	42.78221	24.11951
2184	RAB30	345.1198	1.439424	0.188353	7.64218	2.14E-14	2.60E-13	168.0468	229.913	159.3225	468.7467	541.195	503.4947
21087	LOC119626	2.210435	1.439247	1.659735	0.867155	0.385857	0.486462	1.084173	1.642235	0.695731	6.696381	2.139111	1.004979
15114	GABRB1	12.4313	1.439134	0.794758	1.810783	0.070174	0.123434	3.252518	4.926706	11.82743	17.85702	25.66933	11.05477
9499	LOC103216	29.40756	1.438926	0.482216	2.983985	0.002845	0.007963	11.38381	18.06459	18.08902	51.33892	36.36488	41.20416
3573	LOC103226	117.9072	1.438793	0.248932	5.77987	7.48E-09	5.56E-08	65.05036	70.61612	54.26705	171.8738	181.8244	163.8117
9839	LOC119627	33.19194	1.438708	0.496528	2.897537	0.003761	0.010162	23.8518	20.25424	9.740239	37.94616	47.06043	60.29877
895	CPEB4	3778.066	1.438588	0.125135	11.4963	1.38E-30	4.09E-29	1877.787	2425.582	1806.119	5354.873	5418.367	5785.667
19430	FXDYD7	4.725162	1.438239	1.291966	1.113218	0.265615	0.363426	1.626259	1.642235	4.174388	15.62489	4.278221	1.004979
19715	CUNH16or	3.398612	1.438036	1.347445	1.067232	0.285867	0.385482	1.084173	2.189647	2.087194	4.464254	8.556443	2.009959
16838	HDC	7.212361	1.437514	0.946952	1.518043	0.129004	0.203691	4.336691	3.831883	3.478657	4.464254	17.11289	10.04979
3726	EPS8L1	130.366	1.437466	0.255977	5.615605	1.96E-08	1.40E-07	61.25576	61.31012	88.35788	194.195	203.2155	173.8614
12624	LOC119627	15.78086	1.436557	0.631038	2.276499	0.022816	0.048049	8.131296	8.758589	8.348776	24.5534	27.80844	17.08465
21156	LOC103237	2.193157	1.434513	1.672582	0.857664	0.391078	0.491436	2.168345	0.547412	0.695731	4.464254	4.278221	1.004979
13848	ZNF426	13.54303	1.433929	0.702634	2.040792	0.041272	0.079232	5.96295	10.94824	4.87012	17.85702	23.53022	18.08963
19439	LOC103217	5.840384	1.433751	1.289776	1.111628	0.266298	0.364174	1.084173	8.211177	0	11.16063	8.556443	6.029877
7299	IRAG1	46.06109	1.43346	0.394309	3.635368	0.000278	0.001011	20.0572	24.63353	29.91645	58.0353	83.42532	60.29877
1164	CASZ1	1002.107	1.432861	0.139288	10.28707	8.06E-25	1.84E-23	497.6353	632.2606	496.0565	1493.293	1332.666	1560.733
6041	CASR	55.42537	1.432811	0.345529	4.146721	3.37E-05	0.000148	31.44101	27.918	30.61218	69.19594	91.98176	81.40334
9076	LOC119627	52.27562	1.432757	0.463688	3.089917	0.002002	0.005865	29.27266	14.23271	41.04815	64.73168	109.0946	55.27387
5064	GGN	96.01756	1.432608	0.307868	4.653322	3.27E-06	1.71E-05	40.65648	54.19377	59.8329	158.481	160.4333	102.5079
710	CD276	3943.876	1.432476	0.112527	12.73012	4.02E-37	1.51E-35</						



959 FAM214A	1127.405	1.430292	0.128139	11.16204	6.25E-29	1.73E-27	658.0929	644.8511	528.0601	1533.471	1666.367	1733.59
13886 SSTR2	22.61272	1.430194	0.703486	2.033012	0.042051	0.080508	5.420864	12.04306	18.78475	40.17829	49.19955	10.04979
609 IQSEC1	3092.499	1.43013	0.105958	13.4972	1.62E-41	7.09E-40	1550.367	1837.114	1637.056	4314.701	4395.872	4819.882
14068 DNAI1	15.35344	1.429423	0.714652	2.000166	0.045482	0.08595	9.757555	10.40082	4.174388	26.78552	29.94755	11.05477
14573 LOC103232	14.07558	1.428717	0.747431	1.911505	0.05594	0.102049	7.589209	6.568942	8.348776	13.39276	38.50399	10.04979
1032 LOC103222	762.0586	1.428454	0.131506	10.86228	1.74E-27	4.49E-26	455.3526	389.2098	392.3925	1078.117	1200.041	1057.238
19375 LOC103222	3.863973	1.427715	1.27086	1.123424	0.261257	0.35846	2.710432	2.737059	0.695731	4.464254	8.556443	4.019918
8005 CDC42BPG	70.86082	1.427591	0.418593	3.410447	0.000649	0.002154	36.86187	31.20247	45.91827	122.767	141.1813	47.23404
5442 LOC119622	82.50799	1.426749	0.321183	4.442162	8.91E-06	4.35E-05	42.28274	33.93953	57.7457	120.5349	139.0422	101.5029
18263 LOC103232	5.502374	1.425444	1.104009	1.291152	0.196651	0.28626	4.336691	2.737059	2.087194	2.232127	8.556443	13.06473
14926 LOC119622	12.33076	1.42518	0.770604	1.849432	0.064395	0.114696	5.420864	10.94824	3.478657	13.39276	25.66933	15.07469
11396 LOC119622	22.00509	1.422239	0.560357	2.538094	0.011146	0.026001	9.215468	13.6853	12.52316	42.41041	32.08666	22.10955
14509 MMP23B	17.35678	1.421932	0.739719	1.922259	0.054573	0.099995	11.38381	2.189647	14.61036	26.78552	32.08666	17.08465
656 FNIP2	1271.821	1.421842	0.108659	13.08532	3.99E-39	1.62E-37	730.1903	702.8768	640.7686	1854.898	1811.827	1890.366
5994 DYNC111	62.75202	1.420902	0.341044	4.166332	3.10E-05	0.000137	39.03022	27.37059	35.4823	89.28508	106.9555	78.3884
18795 LOC103242	5.589034	1.419578	1.164689	1.218847	0.222902	0.315289	1.084173	4.379295	3.478657	4.464254	17.11289	3.014938
14175 LOC103212	12.18483	1.41917	0.716125	1.981735	0.047509	0.089104	5.420864	6.02153	8.348776	17.85702	21.39111	14.06971
3116 LOC119622	175.8271	1.419025	0.22662	6.26168	3.81E-10	3.25E-09	101.9122	77.73248	107.8384	225.4448	288.7799	253.2548
3436 CXXC4	139.6568	1.418444	0.239871	5.913349	3.35E-09	2.59E-08	62.88202	82.65918	82.0963	225.4448	198.9373	185.9212
9932 LOC119622	33.42006	1.4182	0.492724	2.878285	0.003998	0.010701	11.9259	26.82318	15.30609	55.80317	53.47777	37.18424
21612 LOC119622	2.24977	1.418042	1.796678	0.789258	0.429961	0.528897	1.626259	0.547412	1.391463	8.928508	0	1.004979
12886 P2RX5	20.6806	1.418016	0.638365	2.221325	0.026329	0.054319	13.55216	7.116354	12.52316	46.87467	29.94755	14.06971
14505 LOC119622	13.06066	1.417514	0.737053	1.92322	0.054452	0.099801	7.047123	6.568942	7.653045	8.928508	32.08666	16.07967
17112 LOC119622	8.996438	1.417406	0.957946	1.47963	0.138972	0.215905	10.29964	2.737059	1.391463	13.39276	17.11289	9.044815
18941 LOC103232	5.622511	1.417202	1.184373	1.196584	0.231469	0.324883	3.252518	2.189647	3.478657	6.696381	17.11289	1.004979
1278 LOC119622	432.3447	1.416142	0.142909	9.909364	3.79E-23	7.89E-22	241.7705	224.9863	240.0273	660.7096	607.5074	619.0674
18523 TRNAL-CA	6.417809	1.415888	1.135025	1.247451	0.212232	0.304605	1.084173	1.094824	8.348776	13.39276	8.556443	6.029877
787 ADGRE5	1308.992	1.415289	0.116102	12.19006	3.51E-34	1.19E-32	722.059	719.8465	703.3844	1841.505	1747.653	2119.502
14450 LOC103212	17.77041	1.415145	0.731594	1.934331	0.053072	0.097642	8.131296	9.853413	10.43597	37.94616	34.22577	6.029877
10557 LOC119622	33.11952	1.41501	0.517873	2.732349	0.006288	0.015836	17.88885	27.37059	8.348776	53.57105	51.33866	40.19918
20680 LOC119622	3.669958	1.414913	1.530283	0.924609	0.355169	0.456585	0	0.547412	5.565851	4.464254	6.417332	5.024897
836 SIRPA	7254.163	1.414636	0.119403	11.8476	2.21E-32	7.04E-31	3533.861	4599.354	3741.643	10401.71	9822.796	11425.61
1401 GJB4	769.7568	1.413946	0.148455	9.524485	1.66E-21	3.15E-20	472.6993	378.809	411.1772	1118.296	973.2954	1264.264
20359 LOC119612	2.927026	1.413559	1.460253	0.968023	0.333033	0.434878	5.42086	2.737059	1.391463	4.464254	6.417332	2.009959
11942 LOC119622	26.55499	1.412663	0.58467	2.416171	0.015685	0.034917	8.673382	14.78012	19.48048	49.10679	49.19955	18.08963
17233 ASIC2	7.115763	1.411425	0.965268	1.46221	0.143684	0.221658	1.626259	4.379295	5.565851	13.39276	10.69555	7.034856
20626 SH2D7	2.679818	1.410925	1.513514	0.932218	0.351224	0.452695	1.084173	0.547412	2.782925	2.232127	6.417332	3.014938
9567 LOC119622	28.24569	1.41074	0.475276	2.968254	0.002995	0.008323	13.01007	15.87494	17.39328	37.94616	47.06043	38.18922
2357 KCNV1	247.8148	1.409797	0.192383	7.328079	2.33E-13	2.63E-12	118.1748	143.4219	146.7993	348.2118	327.2839	402.9968
6507 LOC119622	64.10875	1.408364	0.357649	3.937841	8.22E-05	0.000336	30.89892	43.79295	29.91645	122.767	74.86887	82.40832
1523 DAB2	3679.811	1.4079	0.153551	9.168938	4.78E-20	8.34E-19	1716.245	2599.111	1728.197	5220.945	5123.17	5691.199
5117 LOC119622	76.25705	1.407552	0.304644	4.62032	3.83E-06	1.99E-05	39.03022	45.98259	41.04815	93.74933	109.0946	128.6374
16259 MUC1	8.571429	1.406244	0.870442	1.615551	0.106191	0.173633	3.794605	3.831883	6.261582	13.39276	17.11289	7.034856
13738 C1QTNF9	16.0434	1.406158	0.681863	2.06223	0.039186	0.075827	4.878777	13.6853	7.653045	17.85702	32.08666	20.09959
8170 LOC103232	50.72796	1.406023	0.418977	3.35585	0.000791	0.002575	22.22554	29.56024	30.61218	80.35657	98.39909	43.21412
1085 INTS6L	680.0435	1.406003	0.133159	10.55885	4.62E-26	1.13E-24	350.1878	403.9899	365.259	906.2436	1005.382	1049.199
864 THSD1	1087.135	1.405576	0.120051	11.70817	1.16E-31	3.56E-30	595.2108	644.3037	548.9321	1591.507	1469.569	1673.291
17710 LOC119612	7.249848	1.404607	1.015553	1.383097	0.166635	0.250141	2.168345	4.926706	4.87012	2.232127	19.252	10.04979
15553 H19	22.01965	1.4044	0.809373	1.73517	0.082711	0.141379	2.168345	11.49565	22.2634	37.94616	49.19955	9.044815
475 PROS1	5170.719	1.404227	0.094514	14.85727	6.24E-50	3.49E-48	2706.637	3090.14	2711.265	7368.251	7439.877	7208.193
14718 FAM83C	12.99434	1.403609	0.743983	1.886614	0.059212	0.106955	6.505036	5.474118	9.044508	20.08914	27.80844	9.044815
3164 IFI44	153.3023	1.403144	0.226239	6.202039	5.57E-10	4.68E-09	88.90216	85.94365	77.22618	191.9629	256.6933	219.0855
14190 GIMAP2	12.47012	1.403097	0.709047	1.978851	0.047833	0.089615	5.420864	8.758589	6.261582	22.32127	14.97377	17.08465
15578 LOC119622	9.550374	1.40274	0.809626	1.732579	0.083171	0.141929	4.878777	4.379295	6.261582	15.62489	17.11289	9.044815
8472 LOC119622	60.67674	1.40234	0.429919	3.26187	0.001107	0.003473	36.86187	31.74989	29.91645	95.98146	128.3466	41.20416
6065 WFDC3	75.72173	1.401408	0.33854	4.139566	4.81E-05	0.000153	43.36691	29.01283	52.17985	102.1778	132.6249	94.46807
14461 LOC119612	13.72644	1.401033	0.725138	1.932091	0.053348	0.098072	5.96295	6.568942	9.740239	20.08914	29.94755	10.04979
15878 LOC119612	11.54759	1.400996	0.829913	1.688123	0.091388	0.153009	5.420864	8.211177	4.87012	20.08914	25.66933	5.024897
1277 TPP1	1323.342	1.400197	0.14121	9.915672	3.56E-23	7.41E-22	628.2781	871.4796	683.2082	1832.576	1865.305	2059.203
22318 LOC119622	1.489334	1.40008	2.082577	0.672282	0.501404	0.597273	0.542086	1.094824	0.695731	4.464254	2.139111	0
15210 LOC119622	10.22497	1.399038	0.779525	1.794731	0.072697	0.127064	4.878777	6.02153	6.261582	13.39276	10.69555	20.09959
14907 LOC119622	11.73902	1.398768	0.754923	1.852863	0.063902	0.113962	5.96295	5.474118	7.653045	15.62489	25.66933	10.04979
8037 LOC119622	46.93358	1.398717	0.411108	3.402314	0.000668	0.00221	27.10432	20.80165	29.22072	95.98146	49.19955	59.29379
15040 LOC103232	13.89866	1.398554	0.766076	1.825607	0.067909	0.120032	8.673382	8.211177	5.565851	13.39276	38.50399	9.044815
20925 LOC103242	3.429354	1.398421	1.576001	0.887323	0.374905	0.476313	1.084173	1.642235	2.782925	2.232127	12.83466	0
5089 NNMT	81.83409	1.398364	0.301435	4.63903	3.50E-06	1.83E-05	50.95612	43.79295	40.35242	136.1597	94.12087	125.6224
23205 LRRTM1	1.206874	1.398319	2.644689	0.528727	0.596995	0.683952	0	0	2.087194	0	2.139111	3.014938
9686 LOC119612	27.6175	1.398139	0.476354	2.935086	0.003335	0.009152	13.55216	14.78012	17.39328	42.41041	36.36488	41.20416
16446 RBP5	8.564978	1.397795	0.884475	1.580367	0.114023	0.184318	2.168345	4.379295	7.653045	11.16063	14.97377	11.05477
7542 LOC103242	52.16833	1.397178	0.394024	3.545923	0.000391	0.001379	34.15144	21.89647	29.22072	80.35657	94.12087	53.26391
6471 NYAP1	119.1545	1.396795	0.353539	3.950891	7.79E-05	0.00032	45.53526	49.26706	101.5768	183.0344	213.9111	12



2494	MMP15	300.7183	1.395052	0.195333	7.141929	9.20E-13	9.81E-12	159.3734	149.9908	190.6304	406.2471	376.4835	521.5843
15056	LOC103222	11.03082	1.394359	0.764668	1.823484	0.06823	0.120469	8.131296	4.926706	4.87012	20.08914	17.11289	11.05477
6314	LOC119625	58.07877	1.39351	0.346715	4.019179	5.84E-05	0.000246	31.44101	27.918	36.17803	93.74933	89.84265	69.34358
1165	EFNA5	695.9205	1.392937	0.135526	10.27799	8.86E-25	2.02E-23	348.5615	429.1709	374.9992	977.6716	981.8518	1063.268
17706	LOC103222	7.110365	1.391766	1.006118	1.383304	0.166572	0.250095	1.084173	4.379295	6.261582	8.928508	14.97377	7.034856
1168	ECHDC3	1080.269	1.391599	0.135509	10.26941	9.68E-25	2.20E-23	662.4295	519.4938	608.7649	1600.435	1401.117	1689.37
22228	PDHA2	1.492529	1.391599	2.024194	0.687483	0.949178	0.588164	0.542086	0.547412	1.391463	4.464254	0	2.009959
5729	TRPM1	81.1948	1.390852	0.322728	4.30968	1.63E-05	7.59E-05	33.06727	50.9093	50.09266	107.1421	145.4595	100.4979
3398	ARID5A	126.4656	1.389891	0.23373	5.946559	2.74E-09	2.14E-08	67.21871	66.78424	75.83472	187.4987	177.5462	183.9112
20900	LOC103222	2.469167	1.388417	1.559208	0.890463	0.373218	0.474736	1.084173	2.189647	0.695731	6.696381	2.139111	2.009959
12790	FGD5	20.44611	1.38812	0.619385	2.241127	0.025018	0.052002	11.9259	11.49565	9.740239	37.94616	38.50399	13.06473
22707	LOC119625	1.458329	1.387046	2.282328	0.607733	0.543364	0.63617	0.542086	1.094824	0.695731	0	6.417332	0
19718	LOC103247	3.928383	1.386696	1.300495	1.066283	0.286296	0.386001	1.084173	3.831883	1.391463	6.696381	8.556443	2.009959
747	PLS1	3194.742	1.386412	0.110979	12.49258	8.20E-36	2.92E-34	1767.202	1924.7	1614.097	4267.827	4545.61	5049.017
788	USH1C	1212.525	1.385704	0.11376	12.18093	3.93E-34	1.33E-32	659.7191	694.1182	663.032	1660.702	1677.063	1920.516
1742	LOC103235	364.9897	1.385299	0.160886	8.610451	7.28E-18	1.11E-16	199.4878	194.3312	213.5895	564.7281	462.0479	555.7536
12116	LOC119625	25.48885	1.384974	0.581316	2.382482	0.017196	0.037732	9.757555	15.87494	16.00182	53.57105	40.6431	17.08465
7880	LOC103216	43.21325	1.38374	0.401483	3.446575	0.000568	0.001915	27.4664	22.9913	20.87194	51.33892	79.14709	57.28383
15037	LOC103235	12.73321	1.383134	0.757353	1.826275	0.067809	0.119884	7.047123	5.474118	8.348776	13.39276	32.08666	10.04979
23115	LOC103235	0.978945	1.382207	2.554401	0.541108	0.588433	0.676768	1.084173	0.547412	0	2.232127	0	2.009959
4859	LOC119624	115.2736	1.381881	0.289525	4.772928	1.82E-06	9.93E-06	72.09749	47.62483	70.9646	180.8023	192.52	127.6324
22969	NKAPL	1.243902	1.381318	2.428771	0.568731	0.569539	0.659172	0	0	2.087194	2.232127	2.139111	1.004979
22970	LOC103235	1.243902	1.381318	2.428771	0.568731	0.569539	0.659172	0	0	2.087194	2.232127	2.139111	1.004979
16375	LOC119625	8.571227	1.380911	0.866912	1.592907	0.111181	0.180504	4.878777	4.926706	4.174388	11.16063	19.252	7.034856
862	SEC14L2	1180.906	1.380403	0.117843	11.71395	1.08E-31	3.33E-30	710.1331	587.9203	669.2936	1647.31	1724.123	1746.654
23549	LOC119625	0.730318	1.380043	2.897011	0.476368	0.633812	0.715403	0.542086	0	0.695731	0	2.139111	1.004979
23550	LOC119615	0.730318	1.380043	2.897011	0.476368	0.633812	0.715403	0.542086	0	0.695731	0	2.139111	1.004979
23551	LOC119615	0.730318	1.380043	2.897011	0.476368	0.633812	0.715403	0.542086	0	0.695731	0	2.139111	1.004979
23553	LOC103222	0.730318	1.380043	2.897011	0.476368	0.633812	0.715403	0.542086	0	0.695731	0	2.139111	1.004979
13845	LOC103235	14.42791	1.379761	0.675927	2.041286	0.041222	0.079155	9.215468	8.211177	6.261582	17.85702	29.94755	15.07469
18434	LOC103218	5.157315	1.379005	1.095167	1.259172	0.207968	0.299926	2.710432	1.642235	4.174388	6.696381	10.69555	5.024897
23127	LOC103235	0.979833	1.378573	2.553866	0.539799	0.589336	0.677409	0.542086	1.094824	0	2.232127	0	2.009959
16545	LOC119625	7.844991	1.378222	0.8799	1.56634	0.117269	0.188431	3.794605	4.926706	4.174388	11.16063	14.97377	8.039836
9091	MYBPC2	57.90814	1.37809	0.446616	3.085629	0.002031	0.00594	28.18849	19.70683	48.00546	104.91	98.39909	48.23901
777	KBTBD11	3187.46	1.377894	0.112389	12.26004	1.48E-34	5.08E-33	1647.943	1961.924	1707.325	4448.629	4303.891	5055.047
4390	TMOD1	104.9025	1.377059	0.27079	5.085343	3.67E-07	2.22E-06	46.07734	64.04718	65.39875	151.7846	143.3204	158.7868
21207	LOC119625	2.721816	1.377025	1.621974	0.848981	0.395892	0.496271	0	1.094824	3.478657	4.464254	4.278221	3.014938
1177	LIN7A	871.1877	1.376955	0.134493	10.2381	1.34E-24	3.02E-23	448.3054	558.3601	446.6595	1272.312	1200.041	1301.448
21170	LOC119615	2.918077	1.376624	1.610291	0.854892	0.392611	0.493036	2.168345	0.547412	2.087194	0	10.69555	2.009959
19421	LOC103226	4.995418	1.376358	1.234538	1.114877	0.264903	0.36262	2.168345	0.547412	5.565851	13.39276	4.278221	4.019918
23537	CXCL11	0.746708	1.375244	2.878559	0.477754	0.632825	0.714635	0	0.547412	0.695731	2.232127	0	1.004979
23538	LOC103248	0.746708	1.375244	2.878559	0.477754	0.632825	0.714635	0	0.547412	0.695731	2.232127	0	1.004979
23540	TRNAG-CC	0.746708	1.375244	2.878559	0.477754	0.632825	0.714635	0	0.547412	0.695731	2.232127	0	1.004979
23541	NAT2	0.746708	1.375244	2.878559	0.477754	0.632825	0.714635	0	0.547412	0.695731	2.232127	0	1.004979
23542	LOC119615	0.746708	1.375244	2.878559	0.477754	0.632825	0.714635	0	0.547412	0.695731	2.232127	0	1.004979
3969	LOC103222	127.9454	1.375162	0.254692	5.399313	6.69E-08	4.48E-07	71.01331	65.14201	77.22618	227.677	149.7377	176.8764
8686	SAMD5	35.84202	1.375097	0.428695	3.207633	0.001338	0.004096	21.68345	17.51718	20.17621	53.57105	59.8951	42.20914
23563	LOC103235	0.731206	1.375051	2.896028	0.474806	0.634925	0.71634	0	0.547412	0.695731	0	2.139111	1.004979
15205	MFSD2B	12.13339	1.374093	0.765266	1.795575	0.072562	0.12687	4.336691	6.568942	9.044508	24.5534	19.252	9.044815
21962	IL22	1.975107	1.373529	1.870851	0.734173	0.462843	0.560272	0	0.547412	2.782925	2.232127	4.278221	2.009959
20951	LOC103222	2.437274	1.372723	1.551264	0.884906	0.376207	0.477374	1.626259	1.642235	0.695731	2.232127	6.417332	2.009959
14270	LOC103212	14.37694	1.372492	0.698007	1.9663	0.049264	0.091779	7.047123	8.211177	8.348776	33.4819	17.11289	12.05975
20934	TAGLN3	3.469577	1.372205	1.548747	0.88601	0.375612	0.47673	1.084173	1.094824	3.478657	4.464254	10.69555	0
20998	LOC119625	2.438162	1.372077	1.562438	0.878164	0.379855	0.480632	1.084173	2.189647	0.695731	2.232127	6.417332	2.009959
1076	ADCK5	1288.199	1.371974	0.129155	10.6227	2.34E-26	5.77E-25	806.6245	619.6702	729.1265	1886.147	1736.958	1950.665
17562	LOC103248	6.902186	1.371557	0.975873	1.405466	0.159883	0.242027	3.252518	3.831883	4.174388	11.16063	14.97377	4.019918
611	STAT6	2940.58	1.370471	0.101662	13.48068	2.03E-41	8.84E-40	1612.165	1764.856	1545.915	4120.506	4068.588	4531.452
1050	SCAMP5	611.482	1.370183	0.127363	10.75811	5.43E-27	1.37E-25	343.6828	356.3651	323.5151	857.1368	887.7309	900.4616
7016	ACTC1	58.27163	1.370132	0.367551	3.727736	0.000193	0.000732	34.69353	28.46541	34.09084	62.49956	115.512	74.36848
559	PACIN1	4163.154	1.370022	0.097346	14.07369	5.51E-45	2.62E-43	2261.042	2454.047	2256.257	5903.976	5636.557	6467.043
4720	GRM8	84.82014	1.369772	0.281278	4.869816	1.12E-06	6.29E-06	44.45108	46.53	50.78839	133.9276	117.6511	115.5726
20117	LOC103234	3.172562	1.369154	1.356046	1.009666	0.312655	0.41318	1.084173	2.189647	2.087194	2.232127	6.417332	5.024897
1776	LOC103235	433.1494	1.368362	0.160597	8.520449	1.59E-17	2.38E-16	232.013	268.7792	226.8084	591.5136	573.2817	706.5006
14503	LOC103215	12.2757	1.36799	0.711062	1.923868	0.054371	0.099666	4.878777	8.758589	6.957314	17.85702	17.11289	18.08963
999	SEMA3B	3431.315	1.367935	0.124502	10.98727	4.40E-28	1.17E-26	2102.753	1680.007	1970.311	4845.948	4417.264	5571.606
21254	LOC103225	2.460054	1.367935	1.625557	0.841518	0.400058	0.500402	1.084173	1.094824	2.087194	4.464254	0	6.029877
15577	LOC103216	12.07427	1.367552	0.789297	1.732621	0.083163	0.141929	5.420864	8.758589	5.565851	17.85702	27.80844	7.034856
21063	LOC119628	3.50631	1.366594	1.569282	0.87084	0.383841	0.484472	4.336691	0	1.391463	11.16063	2.139111	2.009959
16209	LOC119624	10.26049	1.366528	0.840434	1.625979	0.103954	0.170499	7.589209	2.189647	7.653045	8.928508	17.11289	18.08963
11265	LOC119624	22.97232	1.366323	0.532384	2.566423	0.010275	0.024249	13.01007	12.59047	13.2189	22.32127	38.50399	38.18922
539	G												



19354	CUNH2orf1	4.199068	1.364088	1.211009	1.126406	0.259994	0.357151	3.252518	2.189647	1.391463	8.928508	6.417332	3.014938
3889	LOC119627	112.1179	1.36396	0.249953	5.456869	4.85E-08	3.31E-07	58.54533	68.42648	61.22436	174.1059	147.5986	162.8067
8921	LOC119627	48.80341	1.363622	0.434407	3.139041	0.001695	0.005051	28.18849	15.32753	38.26523	69.19594	85.56443	56.27885
12003	LOC119627	28.58378	1.363085	0.566704	2.405286	0.01616	0.035792	17.34676	12.59047	17.39328	33.4819	70.59065	20.09959
23533	LOC119627	0.962555	1.36294	2.850069	0.478213	0.632499	0.714566	1.626259	0	0	0	2.139111	2.009959
17434	LOC103245	6.394991	1.362703	0.959331	1.420471	0.155471	0.237063	3.794605	2.737059	4.174388	8.928508	10.69555	8.039836
16568	LOC119627	8.111887	1.362217	0.871839	1.562465	0.118179	0.189629	2.710432	5.474118	5.565851	11.16063	10.69555	13.06473
23191	LOC119627	0.963442	1.361985	2.566286	0.530722	0.595611	0.682779	1.084173	0.547412	0	0	2.139111	2.009959
3998	TMC5	108.3278	1.36171	0.253284	5.376212	7.61E-08	5.06E-07	56.91907	67.87906	57.04997	151.7846	162.5724	153.7619
14690	LOC103217	19.31782	1.360453	0.719205	1.891607	0.058543	0.10595	7.047123	7.663765	17.39328	24.5534	49.19955	10.04979
1751	LOC103245	376.8667	1.360199	0.15834	8.590376	8.67E-18	1.32E-16	230.3867	191.0467	213.5895	537.9426	513.3866	574.8483
19695	LOC103245	4.21948	1.360117	1.26996	1.070993	0.284173	0.383568	1.084173	1.094824	4.87012	6.696381	8.556443	3.014938
23321	LOC119627	1.228399	1.359504	2.662276	0.510655	0.609593	0.694899	0	0	2.087194	0	4.278221	1.004979
14096	LOC119627	14.83684	1.359367	0.681482	1.994722	0.046073	0.086889	7.047123	7.116354	10.43597	24.5534	27.80844	12.05975
4591	DNM3	121.2036	1.359106	0.27468	4.94796	7.50E-07	4.34E-06	53.12446	84.84883	65.39875	160.7131	205.3546	157.7818
1028	SNN	710.4215	1.358835	0.124935	10.87637	1.49E-27	3.86E-26	396.8072	406.727	394.4797	959.8146	1003.243	1101.457
1913	EGFLAM	426.2489	1.358794	0.16629	8.171211	3.05E-16	4.24E-15	234.1813	206.3743	276.2054	658.4775	622.4812	559.7736
10657	TRIM7	41.49003	1.358577	0.502854	2.701731	0.006898	0.017208	16.80468	16.96977	35.4823	73.66019	74.86887	31.15436
683	A4GALT	2087.958	1.358358	0.105343	12.89468	4.82E-38	1.88E-36	1178.496	1183.504	1156.306	3031.228	2723.088	3255.129
15203	RNF125	12.93096	1.358139	0.756296	1.795778	0.07253	0.126831	5.420864	4.379295	11.82743	26.78552	17.11289	12.05975
2696	NATD1	227.8163	1.358081	0.198584	6.838837	7.98E-12	7.87E-11	134.4374	115.5039	135.6676	312.4978	290.9191	377.8723
14029	ADAMTS8	14.80851	1.358077	0.676378	2.007865	0.044658	0.084627	7.589209	4.926706	12.52316	22.32127	21.39111	20.09959
19365	LSMEM2	4.184453	1.357801	1.206618	1.125295	0.260464	0.357557	2.710432	2.737059	1.391463	6.696381	8.556443	3.014938
10903	LOC103220	24.65621	1.357672	0.512271	2.650299	0.008042	0.019607	11.9259	13.13788	16.69755	40.17829	27.80844	38.18922
18532	IL34	6.412966	1.357175	1.088839	1.246442	0.212602	0.304922	5.96295	0.547412	4.174388	8.928508	12.83466	6.029877
12858	LOC119627	25.55129	1.356511	0.609174	2.226803	0.02596	0.053674	11.9259	13.6853	16.69755	40.17829	57.75599	13.06473
11284	LOC103220	30.41048	1.3556	0.52927	2.561262	0.010429	0.024571	12.46799	15.32753	22.95914	42.41041	64.17332	25.12449
5109	LOC119627	106.4605	1.354662	0.292991	4.623568	3.77E-06	1.96E-05	72.63957	46.53	59.13717	171.8738	168.9897	119.5926
19387	LOC103220	4.955349	1.354147	1.209496	1.119596	0.262886	0.360486	1.084173	4.926706	2.087194	8.928508	10.69555	2.009959
2373	PLBD2	319.918	1.354	0.185291	7.307409	2.72E-13	3.05E-12	207.077	153.8227	180.1944	468.7467	402.1528	507.5146
18081	LOC119619	6.715012	1.353066	1.020446	1.325955	0.184855	0.271797	5.96295	1.642235	3.478657	15.62489	8.556443	5.024897
14667	LOC119627	15.16569	1.35302	0.714193	1.894473	0.058162	0.105423	4.878777	6.02153	14.61036	29.01765	21.39111	15.07469
9246	LOC119627	35.7308	1.35271	0.444478	3.043366	0.002339	0.006727	17.34676	20.25424	22.2634	46.87467	68.45154	39.1942
7894	LOC103245	53.74562	1.352429	0.392916	3.44203	0.000577	0.001944	37.40396	20.25424	33.39511	58.0353	91.98176	81.40334
11245	LOC103217	30.82118	1.352393	0.525905	2.571551	0.010124	0.023936	18.97302	11.49565	20.87194	60.26743	49.19955	24.11951
630	LOC103245	3061.489	1.351922	0.101819	13.27773	3.12E-40	1.32E-38	1666.373	1872.148	1634.273	4261.13	4256.83	4678.179
15568	CA5A	10.6086	1.351855	0.779812	1.733564	0.082995	0.141729	3.794605	7.663765	6.261582	15.62489	19.252	11.05477
16925	APOA5	11.33597	1.351845	0.899626	1.502675	0.132923	0.208789	2.168345	3.831883	13.2189	8.928508	27.80844	12.05975
13346	CUNH11orf1	16.16927	1.351527	0.632183	2.137875	0.032527	0.064793	7.589209	10.94824	9.044508	15.62489	25.66933	28.13943
1604	CDHR2	377.8401	1.351495	0.150746	8.965364	3.09E-19	5.13E-18	214.6662	217.3225	206.6322	566.9603	502.691	558.7686
2993	COMMD5	874.9343	1.351233	0.210123	6.430684	1.27E-10	1.13E-09	613.0997	309.2877	557.2808	1200.884	1187.206	1381.847
15841	BMERB1	10.44227	1.350866	0.798172	1.692448	0.090561	0.151982	5.96295	3.831883	7.653045	22.32127	12.83466	10.04979
936	CSTB	1059.932	1.349744	0.119567	11.28859	1.49E-29	4.24E-28	658.6349	546.8644	587.1973	1475.436	1533.742	1557.718
10454	LOC119627	29.66933	1.349733	0.489966	2.75475	0.005874	0.014935	14.09425	14.78012	20.87194	44.64254	53.47777	30.14938
20953	LOC119618	2.492999	1.349537	1.525266	0.884788	0.376271	0.47741	1.626259	1.094824	1.391463	6.696381	2.139111	2.009959
4682	SLC29A3	96.36997	1.348842	0.275575	4.894645	9.85E-07	5.59E-06	55.8349	61.85754	45.22254	124.9991	147.5986	142.7071
6440	LOC119618	73.76773	1.348001	0.340002	3.964683	7.35E-05	0.000303	34.69353	48.71965	41.04815	80.35657	143.3204	94.46807
15428	LOC119627	14.89148	1.347718	0.767507	1.755967	0.079094	0.136292	9.215468	3.831883	12.52316	6.696381	29.94755	27.13445
1096	TNFSF9	866.4352	1.347517	0.12791	10.53492	5.96E-26	1.45E-24	508.477	476.2483	484.9248	1223.206	1120.894	1384.862
11281	ZPLD1	25.89226	1.346781	0.525735	2.561171	0.010416	0.024545	10.84173	20.80165	11.82743	37.9616	42.78221	31.15436
19171	CUNH2orf1	5.7223001	1.346001	1.162815	1.157536	0.247053	0.342596	0.542086	2.189647	6.957314	8.928508	10.69555	5.024897
20195	LOC119627	3.424549	1.345958	1.349087	0.997681	0.318434	0.419191	3.252518	1.094824	1.391463	2.232127	8.556443	4.019918
664	HBP1	1395.026	1.345957	0.103093	13.05573	5.89E-39	2.36E-37	803.372	751.049	810.527	1944.183	1995.79	2065.233
4660	PLEKHF1	88.68638	1.344961	0.273731	4.913446	8.95E-07	5.11E-06	49.87195	50.9093	50.09266	122.767	119.7902	138.6872
18515	LOC119627	5.423905	1.344813	1.076824	1.248869	0.211713	0.303991	2.710432	4.926706	1.391463	8.928508	8.556443	6.029877
8935	LOC103220	65.51654	1.344713	0.428898	3.135273	0.001717	0.005109	28.18849	39.96106	41.74388	91.51721	145.4595	46.22906
633	HTRA1	3265.124	1.344666	0.101479	13.25071	4.47E-40	1.88E-38	1915.733	1748.433	1874.3	4636.128	4335.977	5080.171
16367	LOC103231	9.382981	1.344658	0.843409	1.594312	0.110866	0.180069	4.878777	2.737059	8.348776	11.16063	17.11289	12.05975
16733	LOC103217	10.70596	1.344578	0.874938	1.53677	0.12435	0.197568	2.710432	8.758589	6.261582	20.08914	21.39111	5.024897
17730	LOC119618	6.701284	1.344195	0.974465	1.379419	0.167766	0.251554	4.878777	2.737059	3.478657	13.39276	10.69555	5.024897
23568	LOC119620	1.016861	1.34412	2.834499	0.4742	0.635357	0.716691	0.542086	1.094824	0	4.464254	0	0
328	CPE	9119.24	1.343751	0.080151	16.76519	4.39E-63	3.55E-61	5157.952	5192.201	5117.104	12841.43	12815.41	13591.34
14809	LOC103245	13.02693	1.343402	0.718061	1.870873	0.061363	0.110147	7.589209	5.474118	9.044508	11.16063	27.80844	17.08465
22756	LOC103217	1.514942	1.343368	2.237938	0.60027	0.548326	0.640561	0	1.094824	1.391463	4.464254	2.139111	0
22757	RAB36	1.514942	1.343368	2.237938	0.60027	0.548326	0.640561	0	1.094824	1.391463	4.464254	2.139111	0
844	GRN	19262.5	1.34335	0.113854	11.79885	3.96E-32	1.25E-30	11344.24	9849.581	11483.74	27055.61	24520.63	31321.19
832	LRP5	1542.613	1.343111	0.113213	11.86359	1.83E-32	5.85E-31	870.5907	849.5831	900.9721	2145.074	2034.294	2455.165
2283	NOXA1	321.7928	1.342644	0.180365	7.44402	9.77E-14	1.14E-12	191.8986	156.0124	200.3706	430.8005	432.1004	519.5744
887	YPEL2	1516.026	1.342624	0.116096	11.56473	6.22E-31	1.86E-29	887.9375	861.6262	825.8331	2178.556	1942.312	2399.891
13376	CDRT1	24.53758	1.342278	0.629728	2.131521	0.033046	0.06568	11.38381	16.96977	12.52316	31.24		



22917	TRNAP-UG	1.67543	1.340802	2.324728	0.576757	0.564104	0.654363	1.626259	0	1.391463	0	0	7.034856
18673	LOC119624	5.709204	1.340708	1.088546	1.231651	0.218079	0.310471	5.420864	2.737059	1.391463	13.39276	4.278221	7.034856
1942	SSBP3	445.6121	1.340614	0.165317	8.109337	5.09E-16	6.97E-15	225.5079	302.1713	228.8956	649.549	620.3421	647.2068
18978	TLOC2	5.20853	1.34057	1.127357	1.189127	0.23439	0.328341	1.626259	1.642235	5.565851	6.696381	10.69555	5.024897
22880	LOC119625	1.983663	1.340044	2.301905	0.582146	0.560468	0.65115	3.252518	0	0	2.232127	6.417332	0
11998	JAML	20.27882	1.339876	0.556699	2.406821	0.016092	0.035657	11.38381	9.306001	13.91463	31.24978	25.66933	30.14938
16708	KCNJ5	10.16888	1.339441	0.869156	1.541082	0.132397	0.196184	8.131296	3.831883	4.87012	15.62489	23.53022	5.024897
20831	LOC119627	2.716478	1.339266	1.48811	0.899978	0.368132	0.469797	0.542086	2.737059	1.391463	4.464254	2.139111	5.024897
16465	MYL4	8.608523	1.339116	0.848319	1.578553	0.114439	0.184796	5.96295	3.284471	5.565851	8.928508	12.83466	15.07469
12270	MSH4	24.40084	1.339095	0.569614	2.350883	0.018729	0.040579	13.01007	11.49565	16.69755	22.32127	57.75599	25.12449
19238	LOC119629	5.20698	1.338945	1.167637	1.146713	0.2515	0.347548	5.420864	1.094824	2.087194	8.928508	10.69555	3.014938
20225	LOC119629	5.008718	1.338884	1.350043	0.991734	0.321327	0.422372	1.626259	0	6.957314	11.16063	4.278221	6.029877
1947	EPHX2	520.4557	1.338161	0.165162	8.102124	5.40E-16	7.37E-15	319.2889	250.7146	317.9492	714.2806	665.2634	855.2375
22901	PGAM2	1.98113	1.338022	2.310571	0.579087	0.56253	0.653008	0	0.547412	2.782925	0	8.556443	0
12288	LOC103231	20.2952	1.337517	0.569916	2.346867	0.018932	0.040959	8.673382	13.6853	11.82743	31.24978	34.22577	22.10955
10754	LOC10324	30.00547	1.337308	0.499269	2.678533	0.007395	0.01828	13.01007	18.612	18.78475	46.87467	55.61688	27.13445
9108	XKR4	36.67283	1.337052	0.433999	3.08077	0.002065	0.006026	18.97302	26.82318	16.69755	44.64254	55.61688	57.28383
5930	LOC119619	69.7458	1.336851	0.318766	4.19383	2.74E-05	0.000123	44.99317	33.39212	39.65669	104.91	109.0946	86.42823
15506	LOC103216	13.473	1.336406	0.766668	1.743136	0.08131	0.139406	8.131296	6.568942	7.653045	26.78552	25.66933	6.029877
17833	TOX	6.672942	1.336218	0.974143	1.371686	0.170161	0.253672	3.252518	4.379295	3.478657	8.928508	14.97377	5.024897
5702	MRAP2	73.40533	1.335922	0.30883	4.325753	1.52E-05	7.09E-05	43.36691	33.93953	48.00546	104.91	102.6773	107.5328
910	RPS6KA5	1160.439	1.335758	0.116949	11.42175	3.26E-30	9.51E-29	600.6317	717.1095	657.4661	1620.524	1734.819	1632.087
21867	LOC119619	3.004961	1.334681	1.779109	0.750196	0.453137	0.550899	1.084173	3.831883	0	6.696381	6.417332	0
1825	SYT11	422.1243	1.333867	0.159111	8.383229	5.15E-17	7.50E-16	243.3968	268.7792	207.3279	602.6743	575.4208	635.147
22480	LOC119625	1.514054	1.333617	2.078008	0.641776	0.521018	0.616132	0.542086	0.547412	1.391463	4.464254	2.139111	0
22481	LOC103246	1.514054	1.333617	2.078008	0.641776	0.521018	0.616132	0.542086	0.547412	1.391463	4.464254	2.139111	0
19070	LOC119625	4.447267	1.333604	1.135584	1.174377	0.240244	0.334918	2.168345	3.284471	2.087194	6.696381	6.417332	6.029877
2603	TP53INP2	295.2646	1.332778	0.191015	6.97736	3.01E-12	3.07E-11	159.9155	201.4475	141.9292	383.9258	449.2132	435.1561
21785	SERPINB5	2.232064	1.32835	1.744326	0.761526	0.446343	0.544688	1.084173	0	2.782925	2.232127	4.278221	3.014938
1151	BNC2	675.9258	1.328321	0.128837	10.3101	6.34E-25	1.47E-23	380.0025	417.1278	358.3017	966.511	932.6523	1000.96
4058	TNNT2	128.453	1.328319	0.249349	5.327143	9.98E-08	6.54E-07	67.21871	81.56436	70.26887	158.481	220.3284	172.8565
14482	LOC119625	15.51623	1.328216	0.68864	1.928752	0.053762	0.098692	13.01007	8.211177	5.565851	22.32127	12.83466	31.15436
18179	CLCA2	6.912395	1.328193	1.017116	1.305843	0.191606	0.280205	2.710432	2.189647	6.957314	4.464254	17.11289	8.039836
21142	LOC119619	2.965271	1.327381	1.544643	0.859345	0.39015	0.490594	2.710432	2.189647	0	4.464254	6.417332	2.009959
12700	RNF165	22.18051	1.32721	0.587532	2.258957	0.023886	0.050001	12.46799	15.32753	9.740239	20.08914	51.33866	24.11951
1978	ATP6V0B	2488.033	1.327189	0.165173	8.035128	9.35E-16	1.26E-14	1634.39	1011.617	1609.922	3587.028	3281.396	3803.847
21920	LOC119619	1.747179	1.326781	1.789801	0.741301	0.458511	0.556091	1.084173	1.094824	0.695731	4.464254	2.139111	1.004979
576	LOC103219	2601.604	1.324491	0.095684	13.84233	1.42E-43	6.53E-42	1454.96	1539.869	1462.427	3609.349	3589.428	3953.589
15279	LOC103233	11.43023	1.324269	0.742496	1.783536	0.074499	0.129626	8.131296	4.926706	6.261582	20.08914	17.11289	12.05975
15693	LOC119625	16.10638	1.323765	0.770264	1.718587	0.08569	0.145164	11.9259	5.474118	9.740239	13.39276	47.06043	9.044815
1474	SLC31A2	879.1809	1.32346	0.142026	9.318456	1.18E-20	2.13E-19	548.0493	451.6147	509.9711	1165.17	1155.12	1445.16
957	ADGRG1	10543.06	1.322147	0.118349	11.17164	5.61E-29	1.56E-27	6429.144	5474.666	6173.224	14569.09	13275.32	17336.9
21843	LOC119619	2.720194	1.322076	1.753335	0.754035	0.450828	0.548676	0	3.831883	0.695731	2.232127	8.556443	1.004979
6775	COL26A1	69.29274	1.32205	0.345565	3.825764	0.00013	0.000512	41.74065	27.37059	50.09266	84.82083	111.2338	100.4979
15320	GRIN2C	12.93338	1.321876	0.744226	1.776175	0.075704	0.13137	7.589209	7.116354	6.957314	20.08914	27.80844	8.039836
878	CCDC69	3038.145	1.321839	0.113621	11.63377	2.78E-31	8.40E-30	1657.158	1965.208	1586.963	4397.29	4053.615	4568.637
977	SMIM29	1022.629	1.321553	0.118997	11.10573	1.18E-28	3.20E-27	621.7731	530.442	601.1119	1529.007	1403.257	1450.185
8531	LOC119625	48.37839	1.321377	0.40707	3.246072	0.00117	0.003646	29.27266	18.06459	35.4823	64.73168	83.42532	59.29379
18544	LOC103220	6.400586	1.321163	1.061927	1.244118	0.213456	0.306014	2.168345	3.284471	5.565851	2.232127	17.11289	8.039836
22931	LOC103247	2.052358	1.321019	2.300229	0.574299	0.565765	0.655919	0	0	3.478657	6.696381	2.139111	0
18726	LOC103233	5.199998	1.320428	1.075926	1.227248	0.21973	0.312237	2.168345	3.831883	2.782925	6.696381	10.69555	5.024897
17347	NEK5	7.739077	1.320307	0.917157	1.439564	0.149991	0.229867	2.168345	5.474118	5.565851	15.62489	8.556443	9.044815
628	GRINA	3620.485	1.319854	0.099174	13.30844	2.07E-40	8.75E-39	2079.985	2080.712	2055.886	5214.249	4695.348	5596.731
1513	LOC119627	440.7206	1.319827	0.143249	9.213497	3.16E-20	5.55E-19	252.0702	250.7146	251.8548	638.3883	667.4025	583.8931
20298	LOC119627	4.234259	1.319409	1.388426	0.950291	0.341964	0.443946	2.710432	0.547412	4.174388	8.928508	0	9.044815
20470	CD38	3.735585	1.319289	1.346789	0.979581	0.327293	0.428836	0.542086	1.094824	4.87012	4.464254	6.417332	5.024897
1447	CTSC	554.1754	1.319244	0.140768	9.371781	7.13E-21	1.31E-19	320.9151	328.9945	303.3389	790.173	712.3239	869.3072
14963	LOC103245	12.95889	1.31924	0.716435	1.841395	0.065564	0.116488	6.505036	9.853413	5.565851	26.78552	14.97377	14.06971
17930	SASH3	7.960475	1.31868	0.973173	1.355031	0.175408	0.260079	3.252518	8.758589	1.391463	15.62489	10.69555	8.039836
16899	LOC119627	8.484175	1.31743	0.874329	1.50679	0.131865	0.207445	4.878777	3.831883	5.565851	15.62489	14.97377	6.029877
20791	LOC119618	3.301456	1.31725	1.454207	0.90582	0.365031	0.466757	1.626259	1.094824	2.782925	11.16063	2.139111	1.004979
6407	LOC119625	70.86467	1.317103	0.331265	3.975982	7.01E-05	0.000291	40.11439	35.58177	47.30973	75.89232	102.6773	123.6125
22909	LOC103233	1.483049	1.316692	2.276362	0.578419	0.562981	0.653318	0.542086	0.547412	1.391463	0	6.417332	0
17838	HOATZ	9.262869	1.316681	0.960476	1.370864	0.170417	0.253983	2.168345	7.116354	6.261582	15.62489	21.39111	3.014938
20848	LOC103245	3.000298	1.316386	1.464903	0.898617	0.368857	0.47036	1.084173	0.547412	3.478657	4.464254	6.417332	2.009959
21787	LOC103233	2.768061	1.316225	1.728729	0.761383	0.446428	0.544717	0	0.547412	4.174388	4.464254	6.417332	1.004979
12273	LOC103222	23.63755	1.315924	0.559913	2.350229	0.018762	0.040641	17.88885	8.211177	14.61036	42.41041	23.53022	35.17428
6977	CUNH1orf	57.7238	1.315656	0.351385	3.744195	0.000181	0.00069	28.18849	39.41365	31.30791	73.66019	98.39909	75.37346
4877	DNAJB13	99.18565	1.315329	0.276626	4.754893	1.99E-06	1.08E-05	62.33993	61.31012	45.91827	140.624	158.2942	126.6274
5204	LOC119627	87.73068	1.3149	0.287346	4.576012	4.74E-06	2.42E-05	42.82482	49.26706				



18752	LOC103221	6.257387	1.312908	1.072356	1.224321	0.220831	0.313076	1.626259	1.642235	7.653045	11.16063	6.417332	9.044815
18121	LOC103238	8.793602	1.312453	0.996394	1.317203	0.187771	0.27546	4.878777	1.642235	8.348776	15.62489	19.252	3.014938
3880	LOC119618	147.7526	1.31189	0.239889	5.468748	4.53E-08	3.11E-07	77.51835	87.03848	88.35788	243.3018	222.4675	167.8316
18572	THY1	6.697129	1.311382	1.058095	1.239381	0.215205	0.308056	1.084173	7.116354	3.478657	11.16063	4.278221	13.06473
18053	ESPNL	7.040461	1.311314	0.983162	1.333772	0.182279	0.268425	4.878777	2.189647	4.87012	17.85702	6.417332	6.029877
19524	GNLY	6.222465	1.309265	1.193456	1.097037	0.272625	0.371222	3.794605	0.547412	6.261582	4.464254	19.252	3.014938
1449	MSRA	455.9218	1.309094	0.139748	0.967507	7.43E-21	1.36E-19	250.4439	274.2533	261.595	671.8702	633.1768	644.1918
12110	TEKT5	24.37511	1.309049	0.549025	2.384317	0.017111	0.037566	10.84173	20.25424	10.43597	37.94616	40.6431	26.12947
20448	TRNAT-AG	3.475598	1.308756	1.370981	0.954613	0.339773	0.441749	0.542086	2.189647	3.478657	4.464254	2.139111	8.039836
2197	KLHL21	2466.607	1.308213	0.171808	7.614384	2.65E-14	3.21E-13	1664.747	1048.294	1547.307	3455.333	2960.529	4123.431
3730	CUNH10or	138.3963	1.306638	0.232797	5.612779	1.99E-08	1.42E-07	76.43418	90.87036	71.66033	207.5878	181.8244	202.0009
2794	ALS2CL	315.7921	1.306022	0.19474	6.706485	1.99E-11	1.90E-10	190.8144	147.8012	208.7194	473.2109	380.7617	493.4449
5487	LOC119621	95.38462	1.305569	0.295719	4.4149	1.01E-05	4.90E-05	58.54533	43.79295	63.31155	104.91	154.016	147.732
20980	TRNAY-GU	3.020108	1.305273	1.480899	0.881406	0.378098	0.479111	3.252518	1.094824	0.695731	8.928508	2.139111	2.009959
509	OPTN	3789.452	1.304946	0.090085	14.48565	1.49E-47	7.80E-46	2152.083	2313.91	2085.107	5377.194	5324.246	5484.173
3221	LOC119621	262.0237	1.303665	0.212344	6.139399	8.28E-10	6.84E-09	181.5989	129.7366	140.5377	339.2833	451.3524	329.6333
11012	EGF	31.20545	1.303628	0.496283	2.626783	0.00862	0.020809	17.88885	12.04306	23.65487	46.87467	55.61688	31.15436
3463	LOC103211	174.6794	1.303133	0.221077	5.894465	3.76E-09	2.89E-08	87.81799	114.4091	99.48959	285.7123	222.4675	238.1801
8444	LOC103211	64.93208	1.302619	0.39828	3.270609	0.001073	0.003379	46.61943	19.15941	46.614	84.82083	106.9555	85.42325
2165	ASB2	285.8897	1.301944	0.169867	7.664481	1.80E-14	2.20E-13	166.4205	167.508	161.4097	435.2648	363.6488	421.0864
14933	LOC103241	16.068	1.301734	0.704501	1.847739	0.06464	0.115078	5.96295	8.211177	13.2189	29.01765	29.94755	10.04979
1061	FBXO32	3713.866	1.301651	0.1218	10.68677	1.17E-26	2.94E-25	1981.326	2495.65	1955.701	5049.071	5058.997	5742.453
20746	LOC119621	2.960239	1.301582	1.428821	0.910948	0.362323	0.464299	2.168345	1.094824	2.087194	2.232127	2.139111	8.039836
3314	LOC103238	157.7722	1.300977	0.215737	6.030379	1.64E-09	1.31E-08	86.73382	100.1764	86.96642	216.5163	216.0502	240.1901
2949	APLN	199.906	1.300386	0.200418	6.488365	8.68E-11	7.82E-10	106.791	111.672	129.406	276.7837	265.2497	309.5337
883	PPL	4079.116	1.30023	0.112259	11.58241	5.06E-31	1.52E-29	2310.914	2557.508	2202.686	5834.78	5168.091	6400.714
23392	TRNAW-CC	1.001358	1.299998	2.599072	0.500178	0.61695	0.701163	0.542086	1.094824	0	2.232127	2.139111	0
1024	SORBS3	1281.121	1.299796	0.119376	10.88825	1.31E-27	3.40E-26	670.5608	826.0444	724.9521	1790.166	1777.601	1897.401
971	ITM2B	9177.085	1.299525	0.116746	11.13122	8.84E-29	2.42E-27	4850.047	6256.37	4800.546	13102.59	12714.87	13338.09
930	ID2	2283.343	1.299319	0.114599	11.33795	8.51E-30	2.43E-28	1229.452	1507.572	1219.617	3330.333	3234.335	3178.75
7270	PNCK	80.63066	1.298959	0.356378	3.644887	0.000268	0.000978	30.89892	43.24553	65.39875	111.6063	141.1813	91.45313
19827	LOC119621	4.472152	1.29846	1.236325	1.050257	0.2936	0.393673	3.794605	1.642235	2.087194	4.464254	12.83466	2.009959
8660	LOC103211	67.91606	1.298253	0.403945	3.213934	0.001309	0.004019	52.58238	22.9913	41.74388	75.89232	136.9031	77.38342
23700	LOC119621	0.985855	1.297699	2.861242	0.453544	0.650157	0.729301	0.542086	1.094824	0	0	4.278221	0
4092	SHANK1	199.4686	1.29741	0.244642	5.303308	1.14E-07	7.39E-07	88.90216	117.6935	138.4505	281.248	344.3968	226.1204
5225	FAM228A	82.17376	1.297282	0.28405	4.567093	4.95E-06	2.52E-05	52.04029	44.34036	45.91827	120.5349	117.6511	112.5577
19994	CRIP3	4.026436	1.297154	1.258501	1.030714	0.302675	0.402452	2.710432	2.737059	1.391463	11.16063	2.139111	4.019918
1209	MTUS2	1566.237	1.29593	0.127971	10.12675	4.20E-24	9.24E-23	822.8871	1046.651	851.5752	2238.823	2055.685	2381.801
20036	LOC119621	4.455737	1.295862	1.268169	1.021837	0.306858	0.407158	3.252518	2.189647	2.087194	2.232127	14.97377	2.009959
3515	LOC119621	328.9509	1.294765	1.294765	5.844897	5.07E-09	3.83E-08	181.5989	157.6546	230.2871	524.5498	536.9168	342.698
19030	LOC119618	5.277248	1.294702	1.097802	1.179358	0.238256	0.332841	2.168345	3.284471	3.478657	11.16063	8.556443	3.014938
4285	VWA7	124.2246	1.29429	0.250604	5.164679	2.41E-07	1.49E-06	73.72375	59.12048	82.79203	180.8023	186.1026	162.8067
17656	LOC119621	7.481727	1.293247	0.926905	1.395232	0.162946	0.245343	5.96295	3.284471	3.478657	11.16063	14.97377	6.029877
21333	LOC103241	2.791954	1.293126	1.56347	0.827087	0.408188	0.50868	1.626259	1.094824	2.087194	8.928508	0	3.014938
1023	IGF1R	2621.11	1.292771	0.118698	10.8913	1.27E-27	3.30E-26	1348.169	1738.58	1473.559	3582.564	3632.21	3951.579
8084	LOC119621	52.27038	1.292471	0.381601	3.386971	0.000707	0.002324	39.5723	28.46541	22.2634	71.42806	85.56443	66.32864
1089	VPS18	1963.518	1.292239	0.122484	10.5503	5.06E-26	1.24E-24	1145.971	1106.319	1168.133	2763.373	2406.5	3190.81
1075	SLC38A3	3514.928	1.291588	0.121506	10.62982	2.17E-26	5.35E-25	1833.878	2398.759	1884.736	4877.197	4860.059	5234.938
23065	LOC103231	1.004553	1.291436	2.341579	0.551523	0.581275	0.669985	0.542086	0.547412	0.695731	2.232127	0	2.009959
1143	MGAT3	1266.84	1.290599	0.124772	10.34369	4.47E-25	1.04E-23	745.3688	696.8552	768.0874	1649.542	1692.037	2049.153
11650	LOC119621	31.31159	1.290542	0.520169	2.481007	0.013101	0.029897	15.17842	13.13788	25.74206	44.64254	62.03421	27.13445
2258	LOC103241	2420.148	1.290065	0.172073	7.497203	6.52E-14	7.68E-13	1730.882	979.3197	1505.563	3408.458	3270.7	3625.966
1529	CAMKMT	1153.951	1.288897	0.140763	9.156517	5.36E-20	9.32E-19	599.5475	808.5272	601.8076	1620.524	1664.228	1629.072
915	LYST	2001.424	1.288486	0.11292	11.41066	3.70E-30	1.07E-28	1103.146	1298.461	1088.124	2776.766	2723.088	3018.958
23343	LOC103241	1.003665	1.288426	2.539884	0.507277	0.61196	0.696952	1.084173	0	0.695731	2.232127	0	2.009959
4838	LOC103221	106.4792	1.288282	0.268956	4.789927	1.67E-06	9.17E-06	60.71367	50.9093	74.44326	140.624	160.4333	151.7519
20155	LOC103241	4.026376	1.287945	1.284725	1.002506	0.316099	0.416944	1.626259	1.094824	4.174388	6.696381	8.556443	2.009959
18439	BPI	7.172925	1.287874	1.023446	1.25837	0.208258	0.300263	5.420864	5.474118	1.391463	4.464254	19.252	7.034856
5233	SGCA	88.66602	1.287621	0.282184	4.563055	5.04E-06	2.56E-05	58.54533	44.88777	50.78839	138.3919	119.7902	119.5926
15722	LOC119621	11.03458	1.286773	0.750476	1.714609	0.086417	0.146126	6.505036	4.926706	7.653045	20.08914	14.97377	12.05975
15109	LOC119618	14.19037	1.286755	0.710099	1.812078	0.069974	0.123129	4.878777	13.6853	6.261582	20.08914	17.11289	23.11453
18178	LOC119621	6.442086	1.28533	0.983994	1.306238	0.191472	0.280024	5.420864	3.831883	2.087194	6.696381	8.556443	12.05975
6455	LOC119618	63.64065	1.284576	0.324512	3.95848	7.54E-05	0.000311	41.19856	33.39212	36.87376	93.74933	79.14709	97.48301
4105	LOC119621	141.17	1.284189	0.24264	5.292574	1.21E-07	7.81E-07	72.09749	97.4393	75.83472	207.5878	218.1893	175.8714
21498	ENTPD8	3.026793	1.283426	1.597538	0.803378	0.421756	0.521555	0	1.094824	4.174388	4.464254	6.417332	2.009959
22395	LOC119621	2.00733	1.283017	1.94868	0.658403	0.510279	0.60575	2.168345	0	1.391463	4.464254	0	4.019918
16810	TERB2	10.30012	1.282902	0.842044	1.523556	0.12762	0.20183	5.420864	3.284471	9.044508	15.62489	21.39111	7.034856
3406	SCARF1	380.7716	1.281643	0.215837	5.938022	2.88E-09	2.25E-08	271.0432	154.3701	242.1145	508.925	494.1346	614.0425
23360	LOC103231	1.00544	1.281436	2.538897	0.504722	0.613754	0.69843	0	1.094824	0.695731	2.232127	0	2.009959
23363	LOC119621	1.00544	1.281436	2.538897	0.504722	0.613754	0.69843	0	1.094824	0.695731	2.232127	0	2.009959
7													



22362	LOC103231	2.244892	1.280428	1.926515	0.664634	0.506285	0.601883	0	3.284471	0.695731	4.464254	0	5.024897
1153	MINDY1	696.6741	1.28036	0.124196	10.30915	6.41E-25	1.48E-23	405.4806	412.7485	402.1327	1011.154	913.4003	1035.129
19378	LOC103247	5.1866	1.27981	1.14019	1.122453	0.26167	0.358989	3.794605	3.831883	1.391463	2.232127	12.83466	7.034856
7469	LOC103247	80.52459	1.279444	0.358053	3.573337	0.000352	0.001255	42.28274	68.97389	29.22072	104.91	126.2075	111.5527
20185	TRNAP-CG	3.96265	1.279124	1.279418	0.99977	0.317422	0.41808	3.794605	1.642235	1.391463	2.232127	10.69555	4.019918
19831	GNMT	3.979928	1.279016	1.219487	1.048815	0.294263	0.394483	2.710432	2.737059	1.391463	4.464254	8.556443	4.019918
20382	EPST11	4.701653	1.278903	1.326169	0.964359	0.343866	0.436778	2.710432	3.284471	2.087194	0	17.11289	3.014938
745	PLCB4	3175.082	1.278552	0.102162	12.51493	6.19E-36	2.21E-34	1788.885	2032.54	1740.72	4390.594	4372.342	4725.413
506	LOC103236	6867.499	1.278197	0.088047	14.51725	9.42E-48	4.95E-46	4067.816	4022.382	3942.71	9662.878	9163.95	10345.26
1425	HRCT1	513.6443	1.278166	0.135246	9.450698	3.37E-21	6.28E-20	318.7468	287.9386	293.5986	707.5843	727.2976	746.6997
10961	ADAMTS5	35.26759	1.278071	0.484695	2.636856	0.008368	0.020295	20.0572	15.87494	25.04633	64.73168	57.75599	28.13943
5405	CCDC125	91.52142	1.277904	0.286493	4.460512	8.18E-06	4.02E-05	56.37698	49.81448	52.87558	151.7846	134.764	103.5129
1697	STEAP1	425.3292	1.277583	0.146235	8.736488	2.40E-18	3.77E-17	241.2284	269.3266	234.4615	613.8349	586.1163	607.0076
7122	TRAF1	63.81482	1.276843	0.346119	3.689028	0.000225	0.00084	38.48813	36.67659	35.4823	116.0706	89.84265	66.32864
18853	ASPA	5.823942	1.276259	1.053258	1.211726	0.225617	0.318148	3.252518	3.284471	3.478657	15.62489	4.278221	5.024897
1160	ARRDC2	1061.598	1.275886	0.123971	10.29184	7.67E-25	1.76E-23	660.8033	609.8168	594.1546	1448.65	1381.865	1674.296
3973	FHDC1	158.207	1.27586	0.236397	5.397103	6.77E-08	4.53E-07	99.20181	104.5557	72.35606	220.9806	248.1368	204.0108
21808	LOC119618	2.545102	1.275678	1.681547	0.758634	0.448072	0.546214	0	1.642235	2.782925	6.696381	2.139111	2.009959
14842	LOC103240	12.98775	1.275274	0.684418	1.863298	0.06242	0.111807	8.673382	7.663765	6.261582	17.85702	21.39111	16.07967
20192	PEBP4	4.281913	1.274751	1.276995	0.998242	0.318162	0.418895	1.626259	2.189647	3.478657	6.696381	10.69555	1.004979
17936	B3GAT2	6.730344	1.274319	0.940982	1.354244	0.175659	0.260364	3.252518	4.379295	4.174388	6.696381	12.83466	9.044815
8141	LOC119615	47.78861	1.274095	0.378413	3.366938	0.00076	0.002482	22.22554	32.84471	28.52499	66.96381	74.86887	61.30375
760	GLB1	6104.708	1.273589	0.102499	12.42542	1.90E-35	6.65E-34	3551.75	3716.379	3453.611	8546.814	7801.337	9558.36
7565	TTC16	51.13799	1.273407	0.360027	3.536977	0.000405	0.001422	31.9831	30.65506	27.13352	60.26743	83.42532	73.3635
24312	LOC103247	0.7344	1.272309	3.538155	0.359597	0.719149	0.786384	0	0	1.391463	0	0	3.014938
1182	PCMTD1	1828.433	1.272269	0.12458	10.21245	1.74E-24	3.92E-23	992.0181	1253.573	966.3709	2546.857	2562.655	2649.126
620	ABHD5	3181.381	1.270974	0.094878	13.39594	6.39E-41	2.74E-39	1862.067	1831.64	1902.825	4209.791	4477.159	4804.807
15058	LYPD3	14.2088	1.270764	0.696998	1.823195	0.068274	0.120532	4.878777	12.59047	7.653045	15.62489	21.39111	23.11453
3055	NEXMIF	249.7612	1.270511	0.200591	6.333824	2.39E-10	2.08E-09	126.3061	167.508	146.7993	359.3724	301.6146	396.9669
16284	TAF43	13.02805	1.270465	0.788787	1.610657	0.107255	0.175102	2.710432	7.663765	12.52316	13.39276	27.80844	14.06971
714	BDH2	3038.947	1.269709	0.099912	12.70832	5.32E-37	1.98E-35	1908.686	1632.929	1804.727	4372.737	4134.901	4379.701
17821	SLC9B1	7.016886	1.26959	0.924368	1.373468	0.169607	0.253016	3.252518	5.474118	3.478657	11.16063	10.69555	8.039836
6719	LOC119626	62.409	1.2681	0.32952	3.84832	0.000119	0.00047	33.06727	33.39212	43.83108	89.28508	83.42532	91.45313
9044	LOC103235	42.73693	1.268062	0.409065	3.099905	0.001936	0.00569	18.97302	27.918	27.82925	71.42806	62.03421	48.23901
23414	LOC119625	0.988162	1.268029	2.551365	0.497	0.619189	0.703056	1.084173	0	0.695731	0	2.139111	2.009959
20245	ZNF534	4.323971	1.268019	1.282948	0.988363	0.322975	0.42412	1.626259	4.379295	1.391463	13.39276	2.139111	3.014938
12279	LOC103226	24.22395	1.267844	0.539613	2.349542	0.018797	0.040696	10.29964	16.96977	15.30609	24.5534	47.06043	31.15436
1552	ZNRF2	1219.041	1.267085	0.139579	9.077917	1.11E-19	1.90E-18	654.2982	859.984	631.0284	1741.059	1762.627	1665.251
19561	LOC119628	4.258245	1.266982	1.163005	1.089404	0.275976	0.375025	2.168345	3.284471	2.087194	6.696381	4.278221	7.034856
975	DOCK4	1663.363	1.266956	0.113955	1.111801	1.03E-28	2.80E-27	910.163	1093.181	927.4099	2314.716	2284.57	2450.14
17565	LOC119620	7.526552	1.266622	0.901456	1.405084	0.159996	0.242168	4.336691	5.474118	3.478657	13.39276	6.417332	12.05975
1510	KLHDC7A	783.0749	1.266535	0.13724	9.228585	2.74E-20	4.83E-19	507.3928	453.8044	420.2217	1093.742	1003.243	1220.045
12491	LOC119625	42.45194	1.266274	0.549838	2.302995	0.021279	0.045289	27.6464	9.306001	37.56949	46.87467	94.12087	39.1942
10572	LOC103230	30.28295	1.266048	0.464028	2.728388	0.006364	0.016003	14.09425	21.89647	17.39328	40.17829	44.92132	43.21412
16523	AVPR2	15.73622	1.265472	0.805583	1.570877	0.116211	0.18698	8.673382	2.737059	16.00182	29.01765	29.94755	8.039836
19202	PNPLA1	10.19565	1.2653	1.097753	1.152627	0.249064	0.344826	0	6.02153	11.82743	22.32127	14.97377	6.029877
22093	LOC103247	1.978987	1.264104	1.778574	0.71074	0.477245	0.57428	0.542086	1.642235	1.391463	0	4.278221	4.019918
2105	GPAA1	4992.773	1.263762	0.162157	7.793468	6.52E-15	8.23E-14	3349.552	2152.423	3308.898	6872.719	6214.116	8058.93
9522	DHRS3	36.58158	1.262856	0.423955	2.978754	0.002894	0.008081	19.51511	22.44388	22.2634	46.87467	64.17332	44.2191
13303	LOC119625	20.90915	1.262311	0.588225	2.145967	0.031876	0.063701	12.46799	9.306001	14.61036	33.4819	38.50399	17.08465
4409	GPT	185.6804	1.261399	0.248665	5.072689	3.92E-07	2.36E-06	129.0166	74.44801	125.2316	254.4625	254.5542	276.3694
1672	HLX	434.424	1.261298	0.143468	8.79147	1.48E-18	2.35E-17	250.986	259.4732	258.1163	622.7634	569.0034	646.2018
14965	LOC103230	15.01315	1.259944	0.684356	1.841064	0.065612	0.116559	10.84173	7.663765	7.653045	15.62489	34.22577	14.06971
14187	GP5	16.08196	1.259088	0.636162	1.979193	0.047794	0.089562	10.29964	6.568942	11.82743	24.5534	17.11289	26.12947
20864	LOC119625	3.030213	1.259026	1.404865	0.89619	0.370151	0.471648	2.710432	1.094824	1.391463	6.696381	4.278221	2.009959
1782	CCDC9B	610.3947	1.258991	0.148076	8.502345	1.86E-17	2.77E-16	376.2079	386.4727	318.645	805.7978	806.4447	968.8002
20133	LOC119625	4.224932	1.258449	1.250071	1.006702	0.314078	0.41473	1.626259	4.379295	1.391463	2.232127	10.69555	5.024897
12393	LOC119625	23.21762	1.25843	0.541865	2.322403	0.020211	0.043356	12.46799	14.78012	13.2189	44.64254	32.08666	22.10955
1193	GSN	14232.01	1.257489	0.123707	10.16509	2.84E-24	6.33E-23	9308.165	7248.28	8631.243	19794.5	17754.62	22655.25
14954	LOC103225	17.56158	1.257213	0.681622	1.844442	0.065119	0.115763	7.589209	10.40082	12.52316	42.41041	21.39111	11.05477
12812	BMP7	25.27514	1.25704	0.56214	2.236168	0.025341	0.052582	16.80468	15.87494	11.1317	49.10679	40.6431	18.08963
16615	NLGN3	12.80506	1.256883	0.80788	1.555778	0.119761	0.191625	8.131296	3.831883	10.43597	11.16063	34.22577	9.044815
15838	LOC103225	12.87204	1.256719	0.742527	1.692489	0.090553	0.151982	7.047123	4.379295	11.1317	20.08914	23.53022	11.05477
3698	LOC103247	139.3512	1.256653	0.222702	5.642746	1.67E-08	1.20E-07	80.77087	79.37471	86.96642	200.8914	186.1026	202.0009
19210	LOC119628	7.089638	1.256612	1.091068	1.151726	0.249434	0.345195	4.878777	0.547412	6.957314	11.16063	14.97377	4.019918
1822	CAMK2N1	1563.206	1.256226	0.149715	8.390779	4.83E-17	7.05E-16	780.0623	1148.47	837.6606	2200.877	2318.796	2093.372
23373	LOC103220	1.507769	1.25616	2.500519	0.50236	0.615415	0.699874	0.542086	0	2.087194	0	6.417332	0
945	GSTK1	2998.957	1.255825	0.111816	11.23118	2.87E-29	8.06E-28	1878.871	1543.701	1890.998	4207.559	4038.641	4433.969
3847	GCHFR	219.3102	1.255823	0.228354	5.499455	3.81E-08	2.63E-07	139.8583	94.70224	155.1481	310.2657	280.2235	335.6631
15172	LOC103247	14.22161	1.255811	0.696969	1.801819	0.071574	0.125415	9.215468	10.94824	4.87012	13.39276	27.80844	19.09461
880													



20860	LOC119623	3.971867	1.254347	1.398844	0.896703	0.369878	0.47139	3.794605	1.094824	2.087194	0	12.83466	4.019918
18270	LOC119620	7.273121	1.254028	0.972345	1.289694	0.197157	0.2869	6.505036	3.284471	2.782925	8.928508	17.11289	5.024897
9015	CCDC178	52.22251	1.253615	0.402899	3.111484	0.001861	0.00549	39.5723	33.39212	19.48048	55.80317	87.70354	77.38342
21327	LOC119626	3.267585	1.253589	1.513886	0.82806	0.407636	0.508134	4.336691	0.547412	0.695731	4.464254	8.556443	1.004979
23384	LRRC72	1.508656	1.253543	2.500272	0.501362	0.616116	0.700455	0	0.547412	2.087194	0	6.417332	0
1878	GLI4	1314.364	1.253469	0.152226	8.23427	1.81E-16	2.56E-15	887.9375	622.4072	823.0502	1756.684	1702.732	2093.372
20336	RASSF9	4.306633	1.253269	1.29031	0.971293	0.331402	0.433238	1.626259	1.642235	4.174388	6.696381	10.69555	1.004979
8250	FAM187A	49.8252	1.253235	0.376301	3.330409	0.000867	0.002794	22.22554	34.48694	31.30791	75.89232	72.72976	62.30873
15572	LOC119624	12.27268	1.253097	0.723063	1.73304	0.083088	0.141851	8.131296	7.116354	6.261582	13.39276	25.66933	13.06473
13628	RTN4RL1	18.03188	1.252621	0.60127	2.083292	0.037225	0.072616	11.38381	8.211177	12.52316	17.85702	32.08666	26.12947
17290	LOC119618	9.089098	1.252258	0.86339	1.450396	0.146948	0.225946	4.336691	2.737059	9.044508	13.39276	14.97377	10.04979
14579	LOC119621	14.29514	1.252176	0.655618	1.909916	0.056144	0.102379	9.757555	9.306001	6.261582	20.08914	19.252	21.10457
13382	GIPR	20.10741	1.252091	0.587675	2.130584	0.033123	0.065804	15.17842	7.116354	13.2189	26.78552	34.22577	24.11951
4624	RAB3A	109.2025	1.252077	0.253824	4.932853	8.10E-07	4.66E-06	62.88202	71.16354	59.13717	147.3204	168.9897	145.722
11755	PDGFRL	27.18344	1.251424	0.509154	2.45785	0.013977	0.031611	20.59928	13.13788	14.61036	46.87467	25.66933	42.20914
3878	ZNF707	137.9562	1.251283	0.228755	5.469976	4.50E-08	3.09E-07	86.19173	72.25836	86.27069	189.7308	205.3546	187.9312
16409	AKAIN1	11.36799	1.251035	0.788301	1.587001	0.112512	0.182287	5.96295	5.474118	8.348776	17.85702	23.53022	7.034856
18072	LOC119623	6.765229	1.250516	0.940964	1.328973	0.183857	0.270465	3.794605	5.474118	2.782925	8.928508	8.556443	11.05477
17858	LOC103224	7.513877	1.250493	0.914149	1.367931	0.171334	0.255048	4.336691	6.02153	2.782925	8.928508	14.97377	8.039836
3814	PLXNB3	196.4731	1.250122	0.226119	5.528591	3.23E-08	2.25E-07	128.4745	87.03848	134.2762	270.0874	269.5279	289.4341
19000	LOC119625	5.798959	1.249981	1.055064	1.184744	0.236119	0.33038	3.252518	3.284471	3.478657	8.928508	12.83466	3.014938
15720	LOC119621	17.74159	1.249875	0.7288	1.714976	0.08635	0.146031	6.505036	18.06459	6.261582	33.4819	32.08666	10.04979
14670	LOC103219	13.84351	1.249674	0.659894	1.893749	0.058258	0.105576	9.215468	7.663765	7.653045	22.32127	17.11289	19.09461
15674	LSMEM1	24.27882	1.248985	0.725363	1.721876	0.085092	0.144317	4.336691	9.306001	11.82743	11.16063	29.94755	19.09461
15511	LOC103221	18.93921	1.248303	0.716679	1.741788	0.081546	0.139765	7.047123	20.25424	6.261582	11.16063	42.78221	26.12947
2670	LOC103222	253.8413	1.24803	0.181506	6.87596	6.16E-12	6.13E-11	138.7741	164.2235	149.5822	339.2833	342.2577	388.9271
23767	LOC119619	1.040693	1.247835	2.818556	0.442721	0.657967	0.735981	1.084173	0	0.695731	4.464254	0	0
20590	TRNAD-GU	3.524732	1.247413	1.328628	0.938873	0.347796	0.449061	1.626259	3.831883	0.695731	6.696381	4.278221	4.019918
1971	CORO2A	416.0934	1.246878	0.154978	8.045508	8.59E-16	1.16E-14	258.5752	237.5767	246.2889	573.6566	526.2212	654.2416
809	DNAH5	2742.242	1.246755	0.103664	12.0269	2.57E-33	8.43E-32	1568.256	1771.425	1540.349	3778.991	3692.105	4102.326
2731	PLA2G15	871.2331	1.246701	0.183232	6.803959	1.02E-11	9.91E-11	608.2209	370.5978	573.2826	1167.402	1123.033	1384.862
20136	LPO	4.309827	1.24667	1.239214	1.006016	0.314408	0.415104	1.626259	1.094824	4.87012	6.696381	8.556443	3.014938
4066	ARSI	154.3275	1.246345	0.234219	5.321283	1.03E-07	6.74E-07	105.1648	74.99542	95.3152	216.5163	196.7982	237.1752
1453	LOC103233	632.5845	1.246048	0.133146	9.358513	8.09E-21	1.48E-19	343.1407	401.8003	380.5651	850.4404	941.2087	878.3521
7914	LOC103233	52.88637	1.245764	0.362742	3.434297	0.000594	0.001996	34.15144	29.01283	31.30791	84.82083	55.61688	82.40832
16840	LOC119623	11.91749	1.245458	0.820516	1.517896	0.129041	0.203714	2.710432	5.474118	13.2189	22.32127	10.69555	17.08465
3356	VNN2	198.6095	1.244764	0.20795	5.985879	2.15E-09	1.70E-08	100.286	128.0944	125.2316	310.2657	252.4151	275.3644
22794	LOC119628	1.813896	1.244532	2.096286	0.593684	0.552724	0.64465	0	1.094824	2.087194	6.696381	0	1.004979
4024	ZNF703	146.9732	1.244416	0.232399	5.354645	8.57E-08	5.66E-07	86.73382	94.15483	81.40057	225.4448	168.9897	225.1154
599	HEXB	3044.271	1.244081	0.091436	13.60596	3.69E-42	1.64E-40	1867.488	1798.248	1758.809	4203.095	4147.736	4490.248
17872	LOC119621	9.433673	1.24408	0.91101	1.365604	0.172063	0.255948	4.878777	2.189647	9.740239	22.32127	6.417332	11.05477
3312	CEBPA	501.0202	1.243816	0.20625	6.030636	1.63E-09	1.31E-08	369.1608	208.5639	316.5578	660.7096	648.1505	802.9786
19535	LOC103211	5.016643	1.24331	1.135391	1.09505	0.273495	0.372196	4.336691	1.094824	3.478657	4.464254	10.69555	6.029877
9447	LOC103241	42.5627	1.242881	0.414534	2.998261	0.002715	0.007641	23.8518	23.53871	27.82925	82.5887	51.33866	46.22906
15612	GABRG2	11.8321	1.242815	0.719418	1.727528	0.084073	0.143097	7.589209	7.663765	5.565851	17.85702	19.252	13.06473
14102	LIPC	16.88909	1.241805	0.622892	1.993612	0.046194	0.087085	7.047123	10.40082	12.52316	22.32127	29.94755	19.09461
22523	LOC119623	1.813009	1.24134	1.949258	0.636827	0.524237	0.618783	0.542086	0.547412	2.087194	6.696381	0	1.004979
828	SESTD1	4662.548	1.241333	0.1044	11.89021	1.33E-32	4.27E-31	2663.27	3095.066	2558.204	6256.652	6586.322	6815.771
15677	ACER1	14.70495	1.241323	0.721066	1.72151	0.085158	0.144411	7.589209	7.663765	10.43597	24.5534	29.94755	8.039836
10747	UNPR2	34.84605	1.240075	0.462624	2.680523	0.007351	0.018184	22.22554	22.9913	16.00182	55.80317	59.8951	32.15934
3123	MFSO12	715.0905	1.239908	0.198357	6.250897	4.08E-10	3.47E-09	488.4198	292.8653	497.4479	935.2612	919.8176	1156.731
20066	LGI1	4.043983	1.239871	1.217787	1.018134	0.308614	0.408876	3.252518	1.094824	2.782925	6.696381	6.417332	4.019918
5497	UNC13A	130.9788	1.239495	0.280992	4.411146	1.03E-05	4.97E-05	65.05036	77.18507	90.44508	169.6417	243.8586	139.6921
1325	LOC103216	1985.765	1.239304	0.126735	9.77867	1.39E-22	2.79E-21	1090.678	1381.667	1074.209	2687.481	2686.723	2993.834
24065	HBE1	0.771428	1.239039	3.138343	0.394807	0.692986	0.765584	0	0	1.391463	2.232127	0	1.004979
24066	PRL	0.771428	1.239039	3.138343	0.394807	0.692986	0.765584	0	0	1.391463	2.232127	0	1.004979
17978	GSC	8.140852	1.238683	0.919735	1.346782	0.17805	0.263292	4.336691	4.926706	4.87012	17.85702	12.83466	4.019918
22339	CARD11	3.073038	1.238673	1.853149	0.668415	0.503869	0.599613	0	0.547412	4.87012	4.464254	8.556443	0
24088	FTHL17	0.755925	1.238468	3.158644	0.392088	0.694993	0.767005	0	0	1.391463	0	2.139111	1.004979
24089	LOC103231	0.755925	1.238468	3.158644	0.392088	0.694993	0.767005	0	0	1.391463	0	2.139111	1.004979
14903	LOC119626	16.69345	1.238315	0.667846	1.854193	0.063712	0.113653	11.9259	10.94824	6.261582	29.01765	29.94755	12.05975
12370	LOC103241	24.20242	1.238091	0.531831	2.327979	0.019913	0.042796	10.84173	18.06459	13.91463	33.4819	42.78221	26.12947
22564	LOC119618	2.298782	1.238053	1.963118	0.630656	0.528265	0.622404	0	0	4.174388	4.464254	2.139111	3.014938
20855	PRIMA1	3.522896	1.237985	1.379023	0.897726	0.369332	0.470807	1.626259	1.094824	3.478657	2.232127	10.69555	2.009959
23291	LOC119628	1.260977	1.237958	2.402656	0.515246	0.606381	0.692141	0	2.189647	0	2.232127	2.139111	1.004979
16894	LOC119629	9.757264	1.237261	0.820847	1.507298	0.131734	0.207289	7.047123	5.474118	4.87012	6.696381	21.39111	13.06473
7365	LOC103222	55.88592	1.236741	0.342471	3.611228	0.000305	0.0011	34.15144	33.39212	32.00364	71.42806	91.98176	72.35852
1703	MLLT11	3682.367	1.236703	0.141877	8.71671	2.86E-18	4.47E-17	1909.77	2750.744	1921.61	5205.32	4988.406	5318.351
1547	BCL6	1813.436	1.236502	0.135977	9.093447	9.59E-20	1.65E-18	984.4288	1302.84	955.2392	2464.268	2483.507	2690.33
19443	LOC119627	4.757543	1.236411	1.113262	1.11062	0.266732	0.36471	3.794605	2.737059	2.087194	4.464254	6.417332	9.044815
21871	LOC119627	3.111014	1.236023	1.64957									



8875	KCNMB1	45.51686	1.235223	0.392219	3.149324	0.001636	0.004902	33.06727	27.918	20.17621	58.0353	70.59065	63.31371
16976	LOC119627	9.320245	1.235179	0.825525	1.496234	0.134593	0.210764	7.047123	3.284471	6.261582	11.16063	17.11289	11.05477
18432	LOC103248	7.557816	1.23516	0.980558	1.25965	0.207796	0.29971	3.794605	6.568942	2.782925	8.928508	19.252	4.019918
21714	LOC119628	2.740996	1.234777	1.591487	0.775864	0.437829	0.536031	1.626259	3.284471	0	2.232127	4.278221	5.024897
10761	OXER1	31.6251	1.2346	0.461128	2.677346	0.007421	0.018333	22.22554	19.15941	15.30609	33.4819	51.33866	48.23901
20595	LOC119625	4.232374	1.234565	1.31536	0.938576	0.347949	0.449149	2.710432	2.737059	2.087194	0	12.83466	5.024897
11602	LOC119624	33.43404	1.234154	0.49475	2.494499	0.012614	0.028903	18.43094	16.96977	23.65487	49.10679	66.31243	26.12947
3554	ITGB6	208.5345	1.23273	0.21248	5.80163	6.57E-09	4.91E-08	131.727	129.7366	112.7085	229.9091	331.5622	315.5636
1801	GUCY1A2	483.1909	1.232726	0.145957	8.445802	3.02E-17	4.46E-16	288.3899	281.3697	295.6858	607.1385	757.2452	669.3163
10952	LOC119627	38.68463	1.232636	0.467073	2.639064	0.008314	0.02018	18.97302	22.44388	27.13352	49.10679	81.28621	33.16432
2763	VDR	284.5438	1.232451	0.182493	6.753422	1.44E-11	1.39E-10	182.6831	176.2666	152.3652	372.7652	367.927	455.2557
13084	LOC103244	29.1854	1.23219	0.562516	2.190496	0.028488	0.057885	8.673382	20.80165	22.2634	44.64254	55.61688	23.11453
13428	LOC119618	20.269	1.232166	0.580799	2.121502	0.03388	0.067075	8.131296	15.32753	12.52316	35.71403	27.80844	22.10955
15066	RAB44	13.92625	1.231947	0.676111	1.822108	0.068439	0.120765	7.589209	9.306001	7.653045	24.5534	21.39111	13.06473
18319	LAPTM5	8.416672	1.23158	0.962577	1.279461	0.200735	0.291311	7.047123	2.737059	4.87012	17.85702	14.97377	3.014938
13887	LOC103237	19.91317	1.231566	0.605848	2.032798	0.042073	0.080544	8.673382	14.78012	11.82743	22.32127	42.78221	19.09461
15015	GALR3	18.80122	1.231528	0.672626	1.830926	0.067112	0.118831	13.01007	4.379295	16.00182	31.24978	32.08666	16.07967
2085	ABTB1	499.2303	1.2314	0.157444	7.821204	5.23E-15	6.67E-14	314.9522	258.3784	323.5151	714.2806	622.4812	761.7744
12426	LOC103238	33.00344	1.230721	0.53138	2.316085	0.020554	0.043974	11.9259	29.01283	17.39328	55.80317	57.75599	26.12947
1588	MMP14	656.2931	1.230632	0.136709	9.001813	2.22E-19	3.72E-18	363.74	441.2139	372.2163	877.2259	932.6523	950.7106
15483	LOC119615	12.3682	1.230601	0.70405	1.747889	0.080483	0.138193	6.505036	6.568942	9.044508	15.62489	21.39111	15.07469
1488	MPP6	813.7783	1.230495	0.132566	9.282145	1.66E-20	2.97E-19	462.3997	550.1489	447.3553	1084.814	1138.007	1199.945
16431	LOC119627	10.59613	1.230325	0.776719	1.584003	0.113193	0.183144	3.794605	7.116354	8.348776	13.39276	12.83466	18.08963
12665	TAT	22.7942	1.230085	0.542518	2.267361	0.023368	0.049052	16.80468	12.04306	11.82743	42.41041	23.53022	30.14938
19826	LOC119620	6.031821	1.229574	1.170471	1.050495	0.293491	0.393546	3.794605	3.284471	3.478657	2.232127	21.39111	2.009959
16830	LOC103224	12.68473	1.229432	0.809176	1.519363	0.128671	0.203251	4.878777	3.831883	13.91463	15.62489	27.80844	10.04979
22224	LOC119618	3.054707	1.229373	1.787253	0.687856	0.491543	0.587999	0	0	5.565851	4.464254	4.278221	4.019918
1000	JADE2	1500.758	1.228656	0.111846	10.9852	4.50E-28	1.20E-26	919.3785	896.1131	880.7959	2120.521	1897.391	2290.348
21875	LOC103222	2.821809	1.228643	1.641093	0.748673	0.454054	0.551819	2.168345	0	2.782925	6.696381	4.278221	1.004979
18061	HEPACAM	7.558348	1.228267	0.9222	1.331888	0.182897	0.269216	5.420864	4.379295	3.478657	8.928508	17.11289	6.029877
12497	LOC119627	40.77794	1.227963	0.533334	2.302427	0.021311	0.045336	18.97302	30.10765	22.95914	66.96381	85.56443	20.09959
19436	LOC103235	5.61511	1.227639	1.104041	1.11195	0.26616	0.364059	1.084173	2.737059	6.261582	11.16063	6.417332	6.029877
22260	LOC119627	3.148574	1.22739	1.800348	0.681752	0.495396	0.591649	2.168345	0.547412	2.782925	13.39276	0	0
23279	LOC119627	1.242812	1.22717	2.37418	0.516882	0.605239	0.691193	1.626259	0.547412	0	0	4.278221	1.004979
1149	PLXNB1	1187.199	1.227136	0.118909	10.31993	5.73E-25	1.32E-23	705.2544	694.1182	736.7795	1631.685	1510.212	1845.142
1419	LOC103224	674.0642	1.226315	0.12948	9.47111	2.77E-21	5.19E-20	416.8644	387.0202	409.7858	874.9938	932.6523	1023.069
14484	REPS2	24.13293	1.226256	0.636007	1.928053	0.053849	0.098838	14.63633	9.306001	18.78475	31.24978	57.75599	13.06473
1013	SLC17A5	1188.711	1.226171	0.112163	10.93207	8.10E-28	2.13E-26	738.8637	734.0792	664.4235	1593.739	1636.42	1764.744
18443	LOC103218	6.834749	1.225476	0.974219	1.257906	0.208426	0.300439	3.794605	2.737059	5.565851	8.928508	14.97377	5.024897
1912	CACNA1H	466.12	1.224857	0.149885	8.172003	3.03E-16	4.22E-15	300.8579	251.8094	285.2499	705.3521	603.2292	650.2217
17041	LOC103230	11.09036	1.224799	0.823528	1.487258	0.136947	0.213645	5.96295	8.758589	5.565851	17.85702	4.278221	24.11951
1052	TNFRSF10A	1374.483	1.223643	0.113756	10.75676	5.51E-27	1.39E-25	887.3954	807.4324	779.9149	1901.772	1801.131	2069.253
2916	EFHB	378.1965	1.223159	0.187339	6.529104	6.62E-11	6.03E-10	189.7302	279.7274	210.1109	584.8173	496.2737	508.5196
5258	SPAAR	97.58341	1.22306	0.268889	4.548574	5.40E-06	2.73E-05	62.33993	49.81448	63.31155	133.9276	145.4595	130.6473
18428	LOC119625	6.875425	1.222522	0.969965	1.260377	0.207533	0.299396	4.336691	4.926706	2.782925	15.62489	8.556443	5.024897
4810	SNCG	127.536	1.221642	0.254128	4.807199	1.53E-06	8.46E-06	86.19173	60.76271	82.0963	178.5702	196.7982	160.7967
13399	LOC103234	26.97411	1.221374	0.574069	2.127575	0.033372	0.066214	24.39389	11.49565	11.82743	49.10679	44.92132	20.09959
10770	LOC119628	34.97826	1.221165	0.456524	2.674919	0.007475	0.018451	16.80468	22.9913	23.65487	31.24978	59.8951	55.27387
17869	LOC103237	8.152377	1.220891	0.893291	1.366734	0.171709	0.255463	4.878777	3.284471	6.261582	15.62489	12.83466	6.029877
17501	LOC103225	9.381105	1.220711	0.864077	1.412734	0.157734	0.23947	7.589209	2.189647	6.957314	13.39276	17.11289	9.044815
6155	LOC103222	87.00329	1.220513	0.298105	4.094244	4.24E-05	0.000183	48.24569	48.17224	59.8329	109.3742	151.8769	104.5179
8855	SLC6A16	49.74095	1.220167	0.386638	3.155842	0.0016	0.004805	37.40396	24.63353	27.13352	60.26743	87.70354	61.30375
10958	LOC119627	43.20574	1.220111	0.462632	2.637327	0.008356	0.020273	32.52518	15.32753	29.22072	66.96381	77.00798	38.18922
2141	KIAA0319	409.0621	1.218867	0.158238	7.702725	1.33E-14	1.65E-13	241.7705	278.6326	217.0682	553.5675	575.4208	587.913
9046	LOC119624	42.68909	1.218689	0.393335	3.098351	0.001946	0.005719	25.47806	29.56024	21.56767	55.80317	68.45154	55.27387
6329	CCDC146	114.1453	1.218671	0.303719	4.012492	6.01E-05	0.000252	68.84497	88.68071	47.30973	138.3919	198.9373	142.7071
9981	LOC103227	61.86856	1.218168	0.425042	2.865996	0.004157	0.011072	28.73058	44.88777	36.87376	71.42806	139.0422	50.24897
19356	LOC119624	6.121214	1.217772	1.081367	1.126142	0.260106	0.357249	2.168345	4.379295	4.174388	11.16063	12.83466	2.009959
15539	CYSRT1	14.73564	1.217237	0.700457	1.737775	0.08225	0.14071	5.96295	6.568942	13.91463	20.08914	27.80844	14.06971
22699	LOC103248	2.053931	1.217193	2.000549	0.608429	0.542903	0.635821	0	2.189647	1.391463	4.464254	4.278221	0
2163	PAPLN	759.8038	1.216827	0.158728	7.66611	1.77E-14	2.18E-13	518.7767	370.0504	484.9248	1044.635	962.5998	1177.836
8044	LOC119627	51.90109	1.216498	0.35766	3.401272	0.000671	0.002217	26.02015	33.93953	34.09084	73.66019	66.31243	77.38342
20769	LOC103230	4.372463	1.216033	1.338334	0.908617	0.363553	0.465359	1.084173	1.094824	5.565851	8.928508	8.556443	1.004979
10206	FPR1	38.64666	1.2153	0.431629	2.815615	0.004868	0.012682	28.18849	16.42235	25.74206	46.87467	51.33866	63.31371
18621	LOC119628	6.357533	1.215262	0.984298	1.234649	0.216961	0.309867	2.710432	4.379295	4.174388	11.16063	10.69555	5.024897
1365	FAM228B	2032.595	1.215247	0.125703	9.667571	4.14E-22	8.06E-21	1102.062	1441.883	1127.781	2794.623	2793.679	2935.545
8861	IFI27L2	2594.766	1.215076	0.385199	3.154413	0.001608	0.004825	1839.299	825.497	2022.491	3821.401	3610.819	3449.09
22617	LOC103226	2.069966	1.214873	1.952571	0.622191	0.533816	0.62747	1.626259	0	2.087194	6.696381	0	2.009959
20467	LOC119627	4.320158	1.214599	1.276792	0.95129	0.341457	0.443526	3.794605	1.642235	2.087194	6.696381	10.69555	1.004979
19024	LOC103228	6.661825	1.213688	1.028296	1.180291	0.237885	0.33243						



3388	TLR5	331.5874	1.212707	0.203676	5.954101	2.62E-09	2.05E-08	170.7572	245.2405	184.3688	372.7652	521.943	494.4499
890	MANEA	4476.961	1.212706	0.105241	11.52311	1.01E-30	3.01E-29	2544.553	3037.588	2514.373	6022.279	6372.411	6370.565
2010	LRP3	1588.06	1.212303	0.152354	7.957169	1.76E-15	2.33E-14	1062.489	746.6697	1065.86	2256.68	1978.677	2417.981
10163	LOC119627	39.24466	1.211647	0.429216	2.822932	0.004759	0.012448	26.56223	26.27577	17.39328	53.57105	68.45154	43.21412
20151	SHISA3	4.593279	1.211381	1.206924	1.003693	0.315527	0.416271	1.626259	1.094824	5.565851	6.696381	8.556443	4.019918
19716	TRNAG-UC	4.558252	1.210947	1.134863	1.067042	0.285953	0.385578	3.252518	2.737059	2.087194	6.696381	8.556443	4.019918
1338	CARD6	935.8816	1.210299	0.124152	9.748526	1.87E-22	3.72E-21	542.6285	627.8814	523.19	1361.597	1253.519	1306.473
20422	LOC119627	4.322821	1.210295	1.26287	0.958368	0.337877	0.439842	2.168345	3.284471	2.087194	6.696381	10.69555	1.004979
10559	TMEM207	37.57437	1.210284	0.443122	2.731266	0.006309	0.015885	26.56223	15.32753	25.74206	53.57105	62.03421	42.20914
20351	FNDC7	3.804634	1.209803	1.248578	0.968944	0.332573	0.434448	3.794605	1.642235	1.391463	6.696381	4.278221	5.024897
1432	FMNL1	845.1964	1.209373	0.128226	9.43157	4.04E-21	7.50E-20	519.3187	511.2826	502.318	1241.063	1028.912	1268.284
13773	CUNH15or	23.50425	1.209301	0.589267	2.052213	0.040149	0.077497	10.84173	10.40082	20.87194	40.17829	40.6431	18.08963
1603	PLIN2	844.2099	1.208932	0.134749	8.971727	2.92E-19	4.84E-18	546.9651	459.8259	525.9729	1140.617	1082.39	1309.488
1349	ZBTB38	18778.98	1.20871	0.124338	9.721186	2.45E-22	4.83E-21	10098.53	13696.24	10232.82	25415	25825.48	27405.79
8719	LOC103215	47.6637	1.208604	0.377949	3.197794	0.001385	0.004222	24.93597	34.48694	26.43779	66.96381	74.86887	58.28881
23610	LOC119627	1.02519	1.208505	2.585437	0.467428	0.640194	0.720943	1.084173	0	0.695731	2.232127	2.139111	0
826	ATP6VOA1	3410.248	1.208234	0.101529	1.190039	1.18E-32	3.79E-31	2014.393	2217.018	1952.222	4624.967	4528.497	5124.39
22257	LOC103215	2.254275	1.208078	1.77074	0.682245	0.495084	0.591356	1.626259	1.642235	0.695731	0	8.556443	1.004979
8962	LOC119627	43.62376	1.208031	0.386144	3.128447	0.001757	0.005213	24.93597	22.9913	31.30791	58.0353	64.17332	60.29877
791	GFUS	2874.873	1.207848	0.099437	12.14685	5.96E-34	2.00E-32	1739.013	1699.166	1776.202	4138.363	3651.462	4245.033
13426	ODAD1	26.17899	1.207833	0.569245	2.121817	0.033853	0.067033	13.01007	14.23271	19.48048	58.0353	34.22577	18.08963
847	PLEKHA6	2602.026	1.207733	0.102433	11.7905	4.37E-32	1.37E-30	1506.458	1690.408	1522.956	3426.315	3595.845	3870.176
14590	LOC103224	21.86068	1.207541	0.632638	1.90874	0.056296	0.102578	19.51511	7.663765	11.82743	29.01765	47.06043	16.07967
20247	LOC119615	5.069327	1.207219	1.221723	0.988128	0.32309	0.424228	3.252518	4.926706	0.695731	6.696381	12.83466	2.009959
23398	LOC119627	1.569577	1.207024	2.418235	0.499134	0.617685	0.701799	1.626259	1.094824	0	6.696381	0	0
19562	LOC103230	5.34943	1.206877	1.107848	1.089389	0.275982	0.375025	4.336691	1.642235	3.478657	8.928508	10.69555	3.014938
22387	LOC119627	2.051268	1.206676	1.827223	0.660388	0.509005	0.604442	1.626259	0.547412	1.391463	4.464254	4.278221	0
1677	MCC	567.2293	1.206671	0.137359	8.784799	1.57E-18	2.48E-17	340.4302	363.4814	326.9937	745.5304	763.6625	863.2774
22242	CRNN	3.031725	1.206506	1.760936	0.68515	0.493249	0.589556	1.626259	1.642235	2.087194	0	12.83466	0
2793	LRRC14	1080.47	1.205905	0.179751	6.708753	1.96E-11	1.87E-10	770.8468	481.175	710.3417	1591.507	1255.658	1673.291
659	PCDH9	13404.2	1.205473	0.092237	13.06936	4.93E-39	1.99E-37	7792.492	8885.041	7648.871	18379.33	18635.93	19083.56
2542	SLC2A11	906.6065	1.205381	0.170643	7.063771	1.62E-12	1.69E-11	685.1972	437.382	524.5815	1145.081	1236.406	1410.991
27971	LOC119627	0.515689	1.20519	4.024073	0.299495	0.764562	NA	1.084173	0	0	0	0	2.009959
29398	LOC103247	0.515689	1.20519	4.024073	0.299495	0.764562	NA	1.084173	0	0	0	0	2.009959
14097	LOC103227	17.54032	1.204258	0.603725	1.994714	0.046074	0.086889	7.589209	10.40082	13.91463	24.5534	25.66933	23.11453
28024	LOC119615	0.516576	1.20399	3.574844	0.336795	0.736271	NA	0.542086	0.547412	0	0	0	2.009959
3070	NKIRAS1	198.5172	1.20366	0.190718	6.311195	2.77E-10	2.40E-09	118.7169	124.8099	117.5786	265.6231	275.9453	288.4291
3568	TAOK3	430.9867	1.203515	0.208015	5.785711	7.22E-09	5.38E-08	222.2554	354.7229	205.2408	604.9064	596.8119	601.9827
996	GREM1	24678.46	1.202502	0.109309	11.00094	3.78E-28	1.01E-26	13832.96	17324.49	13694.08	33821.19	33842.87	35555.17
7260	VAMP1	67.32855	1.202381	0.329433	3.649847	0.000262	0.000961	31.9831	48.17224	41.74388	95.98146	102.6773	83.4133
10501	LOC103215	38.07884	1.202048	0.437992	2.74445	0.006061	0.015345	24.93597	24.63353	18.78475	51.33892	70.59065	38.18922
15278	F2RL2	15.06581	1.201909	0.673856	1.78363	0.074484	0.129608	5.96295	12.04306	9.044508	29.01765	19.252	15.07469
3335	KIF26A	217.4096	1.20187	0.200045	6.007989	1.88E-09	1.50E-08	144.195	111.1246	140.5377	316.962	278.0844	313.5536
23514	DNAJB7	1.548879	1.201543	2.497033	0.481188	0.630383	0.712713	0	0	2.782925	2.232127	4.278221	0
5397	LOC103247	104.3169	1.201539	0.269144	4.4643	8.03E-06	3.96E-05	61.25576	73.90059	53.57132	145.0883	160.4333	131.6523
15936	LOC119627	13.22234	1.201163	0.715726	1.678243	0.0933	0.155646	9.757555	4.379295	9.740239	17.85702	23.53022	14.06971
6922	LOC119627	77.26518	1.201126	0.318998	3.765306	0.000166	0.000639	54.75072	50.36189	34.78657	95.98146	126.2075	101.5029
870	ABHD2	8616.113	1.200441	0.102714	11.6872	1.48E-31	4.53E-30	5205.113	5367.373	5107.364	11774.47	10806.79	13435.57
14357	SPATA32	17.5364	1.20018	0.61531	1.950531	0.051113	0.09464	9.757555	9.306001	12.52316	22.32127	34.22577	17.08465
14899	LOC103220	18.28219	1.198254	0.645928	1.855087	0.063584	0.113456	13.01007	9.306001	10.43597	20.08914	42.78221	14.06971
4926	LOC103247	153.1053	1.197423	0.253193	4.729281	2.25E-06	1.22E-05	79.14461	121.5254	78.61764	196.4272	211.772	231.1453
505	LOC103247	5491.199	1.196888	0.082386	14.52782	8.08E-48	4.25E-46	3262.818	3447.052	3297.767	7629.41	7561.756	7748.392
15128	EPO	20.48631	1.195926	0.660944	1.809422	0.070386	0.123689	10.84173	9.853413	16.00182	31.24978	44.92132	10.04979
19317	OSCAR	5.900207	1.19555	1.055924	1.13223	0.257538	0.354432	4.878777	1.642235	4.174388	13.39276	4.278221	7.034856
3410	LOC103237	206.6697	1.195108	0.2013	5.936942	2.90E-09	2.26E-08	132.8112	108.935	136.3633	292.4086	260.9715	308.5287
23575	LOC103215	1.029273	1.194634	2.525945	0.472945	0.636252	0.717487	0.542086	0	1.391463	2.232127	0	2.009959
15151	GPR4	24.83323	1.194145	0.661304	1.805744	0.070958	0.124508	15.17842	9.306001	20.17621	31.24978	62.03421	11.05477
7875	LOC119620	65.60079	1.193876	0.346339	3.447129	0.000567	0.001913	49.87195	28.46541	41.74388	93.74933	81.28621	98.48799
23920	LOC119627	1.011463	1.193715	2.843255	0.419841	0.674602	0.749761	0	1.094824	0.695731	0	4.278221	0
5199	LOC119627	133.4663	1.193703	0.260613	4.58037	4.64E-06	2.37E-05	83.4813	60.2153	100.1853	194.195	181.8244	180.8963
1680	BACE1	1560.961	1.193447	0.135981	8.776537	1.69E-18	2.67E-17	887.3954	1121.099	842.5307	2102.664	2034.294	2377.781
724	RHOB	4485.553	1.193368	0.09444	12.63621	1.33E-36	4.90E-35	2638.876	2833.951	2719.614	6073.618	5918.919	6728.338
1068	FHOD3	3147.572	1.193097	0.111952	10.65726	1.61E-26	4.01E-25	1797.016	2166.109	1785.247	4241.041	4226.883	4669.135
4298	LOC119627	130.9654	1.192636	0.231258	5.157174	2.51E-07	1.55E-06	85.10756	75.54283	77.92191	178.5702	196.7982	171.8515
21575	LOC119627	2.543124	1.192479	1.504137	0.792799	0.427895	0.527258	2.168345	1.642235	0.695731	4.464254	4.278221	2.009959
863	PREPL	23978.69	1.192455	0.10181	1.711258	1.10E-31	3.39E-30	13604.74	16550.45	13636.33	32685.04	33218.25	34177.34
1387	OLFML3	2240.933	1.192283	0.12431	9.591221	8.70E-22	1.67E-20	1220.236	1603.369	1269.71	3098.192	3031.12	3222.969
20042	TOMM20L	5.123809	1.191749	1.166762	1.021415	0.307058	0.407281	5.96295	1.094824	2.087194	11.16063	6.417332	4.019918
19179	LOC103247	5.600824	1.191382	1.029536	1.157203	0.247189	0.342721	3.252518	2.189647	4.87012	6.696381	8.556443	8.039836
23580	SERPINA7	1.03016	1.191276	2.525486	0.471702	0.63714	0.718336	0	0.547412	1.391463	2.232127	0	2.009959
21016	LOC119627	3.354775	1.19075										



7215	LOC119620	75.24819	1.190383	0.32505	3.662153	0.00025	0.000922	39.5723	60.76271	36.87376	102.6778	109.0946	102.5079
877	KIAA0930	4321.76	1.190076	0.102233	11.64083	2.56E-31	7.75E-30	2734.826	2463.353	2707.091	6131.653	5454.732	6438.903
23354	LOC103232	1.298537	1.188268	2.350479	0.505543	0.613178	0.69801	1.626259	0	0.695731	4.464254	0	1.004979
1206	SPIDR	1577.336	1.188151	0.117283	10.13066	4.04E-24	8.90E-23	896.0688	1092.634	897.4935	2145.074	2226.814	2205.93
22069	SRGN	2.039848	1.188082	1.664737	0.713676	0.475428	0.572661	1.084173	0.547412	2.087194	2.232127	4.278221	2.009959
22070	LOC119620	2.039848	1.188082	1.664737	0.713676	0.475428	0.572661	1.084173	0.547412	2.087194	2.232127	4.278221	2.009959
22971	ELOA2	1.769695	1.188059	2.089293	0.568641	0.5696	0.659214	0.542086	0	2.782925	0	4.278221	3.014938
23413	LOC103222	1.026078	1.188045	2.390243	0.497039	0.619161	0.703056	0.542086	0.547412	0.695731	2.232127	2.139111	0
20341	LOC119620	4.080583	1.187935	1.223685	0.970785	0.331655	0.433462	1.626259	1.642235	4.174388	4.464254	8.556443	4.019918
702	RGS3	5611.244	1.187784	0.092631	12.82282	1.22E-37	4.63E-36	3424.902	3409.281	3441.087	7723.159	7247.307	8421.728
5476	LOC103242	91.66646	1.187072	0.268319	4.424109	9.68E-06	4.70E-05	53.66655	57.47824	56.35424	124.9991	136.9031	120.5975
16832	LOC103232	10.24307	1.186121	0.780775	1.519158	0.128723	0.203309	4.336691	6.02153	8.348776	17.85702	12.83466	12.05975
16467	LOC119620	12.97009	1.185804	0.751261	1.578419	0.114469	0.184803	7.589209	4.926706	11.1317	11.16063	29.94755	13.06473
1304	LOC103232	7023.885	1.185559	0.120544	9.835091	7.95E-23	1.62E-21	4734.582	3788.09	4351.8	9555.736	8712.598	11000.51
11038	ZN423	33.3312	1.185329	0.452273	2.620828	0.008772	0.021127	21.14137	24.08612	15.30609	44.64254	55.61688	39.1942
1625	FGF13	1239.79	1.185217	0.133028	8.909532	5.12E-19	8.38E-18	679.2342	888.4494	704.7759	1754.452	1630.002	1781.829
21431	LOC119620	4.014195	1.185125	1.456136	0.813883	0.415712	0.515687	5.420864	0.547412	1.391463	0	10.69555	6.029877
22145	LOC119620	2.330473	1.185034	1.691428	0.700612	0.483545	0.580494	0.542086	1.642235	2.087194	6.696381	0	3.014938
9608	RASIP1	45.58748	1.185021	0.40045	2.959226	0.003084	0.008534	22.76763	25.72836	34.78657	80.35657	55.61688	54.26889
20311	LOC103242	3.831129	1.184501	1.212424	0.976969	0.328584	0.430083	2.710432	2.189647	2.087194	6.696381	4.278221	5.024897
5282	ACYP2	132.8058	1.184474	0.26148	4.529892	5.90E-06	2.97E-05	81.31296	62.95236	100.1853	158.481	198.9373	194.966
14795	LOC103242	17.16833	1.18401	0.631714	1.874283	0.060891	0.109415	12.46799	10.40082	8.348776	35.71403	14.97377	21.10457
12245	LRRC46	28.25289	1.183416	0.501956	2.357608	0.018393	0.039935	13.55216	19.15941	18.78475	31.24978	55.61688	31.15436
2107	PPFIA4	498.5565	1.182971	0.15193	7.786296	6.90E-15	8.71E-14	294.895	280.2748	342.2998	680.7987	635.3159	757.7545
1590	PARP10	1050.588	1.18295	0.131445	8.999585	2.27E-19	3.79E-18	709.049	566.5712	654.6832	1404.008	1373.309	1595.907
4647	MZF1	143.3436	1.182775	0.240489	4.918215	8.73E-07	5.00E-06	91.07051	71.71095	100.881	176.338	216.0502	204.0108
825	KYNU	3193.812	1.182564	0.099338	11.9044	1.12E-32	3.62E-31	1898.929	2140.38	1820.033	4424.076	4468.602	4410.855
9392	PDZD3	57.39646	1.182114	0.39286	3.008998	0.002621	0.007419	37.94605	24.08612	42.43961	91.51721	94.12087	54.26889
17469	SLCO2B1	11.28729	1.181757	0.834421	1.41626	0.156699	0.238476	8.673382	3.284471	8.348776	17.85702	23.53022	6.029877
20600	LOC119620	3.829709	1.181639	1.26115	0.936953	0.348783	0.450116	1.626259	3.831883	1.391463	6.696381	6.417332	3.014938
2712	EGFL7	1022.669	1.180508	0.173066	6.821137	9.03E-12	8.85E-11	741.0321	476.7957	661.6405	1562.489	1193.624	1500.434
1981	CNGA3	383.1121	1.179425	0.146851	8.03146	9.63E-16	1.29E-14	227.1342	235.9345	240.7231	524.5498	549.7514	520.5794
20895	TREM2	3.32874	1.178831	1.323089	0.890969	0.372946	0.474482	1.084173	1.642235	3.478657	4.464254	4.278221	5.024897
22408	LOC103222	2.024345	1.178816	1.799119	0.856218	0.512327	0.607828	1.084173	0.547412	2.087194	0	6.417332	2.009959
10024	INCA1	38.12151	1.178624	0.412737	2.855626	0.004295	0.011391	22.76763	23.53871	23.65487	64.73168	42.78221	51.25395
1808	PTGR1	4020.479	1.177275	0.139633	8.431237	3.42E-17	5.03E-16	2140.699	3072.623	2181.118	5649.513	5726.399	5352.521
17836	LOC119618	8.422431	1.177245	0.858573	1.371165	0.170324	0.253857	6.505036	3.284471	5.565851	11.16063	14.97377	9.044815
2886	VWA1	1041.191	1.176984	0.179258	6.565851	5.17E-11	4.77E-10	753.5001	472.9638	692.2527	1350.437	1285.606	1692.385
12583	DLEC1	27.23699	1.176971	0.514598	2.287167	0.022186	0.046874	17.88885	14.78012	16.69755	53.57105	36.36488	24.11951
21160	TRNAR-UC	2.80517	1.175987	1.372784	0.856644	0.391642	0.492028	3.252518	2.189647	0.695731	2.232127	4.278221	7.034856
16743	PARP15	13.96783	1.175595	0.766156	1.534408	0.124929	0.198366	8.131296	6.568942	10.43597	31.24978	21.39111	6.029877
1087	NOCT	1113.263	1.175573	0.111409	10.55187	4.98E-26	1.22E-24	702.5439	692.4759	656.7704	1526.775	1458.873	1642.136
1679	RAB6B	657.7113	1.175301	0.133902	8.777308	1.67E-18	2.65E-17	405.4806	385.9253	422.3089	812.4942	941.2087	978.85
8903	ODAD3	47.04477	1.17479	0.373639	3.144181	0.001666	0.004973	24.39389	31.74989	30.61218	71.42806	57.75599	66.32864
2954	MST1	261.6695	1.174529	0.181117	6.484892	8.88E-11	7.99E-10	164.2522	154.3701	164.8883	377.2295	312.3102	396.9669
20214	ZYG11A	4.604497	1.174448	1.181116	0.994354	0.32005	0.420923	3.252518	2.189647	2.782925	6.696381	10.69555	2.009959
22034	LOC119620	2.518508	1.174021	1.6324	0.7192	0.472018	0.569511	2.168345	0.547412	2.087194	0	4.278221	6.029877
16084	LOC119620	16.82672	1.174005	0.711722	1.649527	0.09904	0.163701	18.43094	6.568942	5.565851	20.08914	34.22577	16.07967
22399	LOC103212	2.29716	1.173319	1.785506	0.657135	0.511094	0.606609	0	2.737059	1.391463	2.232127	6.417332	1.004979
1397	CLTRN	881.2134	1.173298	0.123088	9.532175	1.54E-21	2.93E-20	504.6824	568.2135	549.6278	1191.956	1324.11	1148.692
17252	LOC103215	10.49913	1.173049	0.804862	1.457454	0.144991	0.223429	3.252518	9.853413	6.261582	17.85702	10.69555	15.07469
12811	LOC103242	24.28929	1.172441	0.524288	2.236256	0.025335	0.052574	18.97302	11.49565	13.91463	35.71403	38.50399	27.13445
4411	TLR6	185.794	1.172439	0.231168	5.071809	3.94E-07	2.37E-06	101.3702	146.159	94.61947	252.2303	263.1106	257.2747
17268	LOC103242	11.73939	1.172266	0.805041	1.456158	0.145349	0.223783	9.215468	2.189647	10.43597	13.39276	17.11289	18.08963
21494	LOC119620	2.786354	1.171234	1.455959	0.804442	0.421142	0.520892	2.168345	2.189647	0.695731	2.232127	6.417332	3.014938
995	DPYSL5	2019.324	1.171079	0.106444	11.0018	3.75E-28	1.00E-26	1277.698	1229.487	1223.096	2685.249	2616.132	3084.282
2645	SLC11A1	264.4971	1.1709	0.169562	6.905443	5.00E-12	5.03E-11	161.5417	165.3184	161.4097	345.9797	382.9008	369.8324
23652	LOC119618	1.014657	1.170746	2.536558	0.461549	0.644405	0.724254	0	0.547412	1.391463	0	2.139111	2.009959
23654	LOC119618	1.014657	1.170746	2.536558	0.461549	0.644405	0.724254	0	0.547412	1.391463	0	2.139111	2.009959
16451	LOC103224	18.19381	1.170695	0.74115	1.579566	0.114206	0.184559	9.757555	12.04306	11.1317	17.85702	51.33866	7.034856
11742	C1QL4	28.69002	1.170155	0.475672	2.460004	0.013894	0.031456	14.63633	20.25424	18.08902	46.87467	32.08666	40.19918
1128	ABCA1	1367.104	1.169106	0.112371	10.40394	2.38E-25	5.61E-24	806.0824	896.6606	824.4417	1912.933	1745.514	2016.994
2552	GDPD5	717.8313	1.169023	0.165971	7.043524	1.87E-12	1.95E-11	466.1943	385.3779	477.9675	993.2965	804.3056	1179.846
15932	LOC119620	12.54695	1.168742	0.696331	1.678428	0.093264	0.155595	7.047123	6.568942	9.740239	17.85702	14.97377	19.09461
19104	LOC119620	6.95827	1.168726	0.999489	1.169324	0.242273	0.337146	2.710432	4.926706	4.87012	13.39276	12.83466	3.014938
20580	LOC119620	4.548404	1.168601	1.241803	0.941052	0.346678	0.447847	2.710432	4.926706	0.695731	2.232127	10.69555	6.029877
20063	GAD2	5.679318	1.168488	1.146907	1.018816	0.30829	0.408508	0.542086	4.926706	4.87012	11.16063	8.556443	4.019918
17237	LOC103222	15.56807	1.168381	0.799355	1.461655	0.143836	0.221841	4.336691	10.94824	13.2189	8.928508	44.92132	11.05477
802	CAT	4878.926	1.167579	0.096718	12.07195	1.49E-33	4.92E-32	2872.516	3249.984	2897.025	6756.648	6400.219	7097.165
21424	GLYATL3	3.107923	1.167169	1.433006	0.81								



1479	SQSTM1	33539.41	1.166333	0.125376	9.302667	1.37E-20	2.46E-19	22928.09	17499.66	21602.46	45113.52	41588.59	52504.15
8535	ADIRF	60.31917	1.165883	0.359291	3.244952	0.001175	0.003659	34.69353	37.224	38.96096	69.19594	115.512	66.32864
4185	ZNF696	170.7525	1.16582	0.222644	5.236244	1.64E-07	1.04E-06	119.259	85.39624	111.317	247.7661	224.6066	236.1702
5056	LOC103241	110.1877	1.165534	0.250254	4.657407	3.20E-06	1.68E-05	67.7608	65.68942	69.57314	167.4095	154.016	136.6772
2509	LOC103221	427.1768	1.165524	0.163748	7.11778	1.10E-12	1.16E-11	275.922	221.1544	294.9901	575.8888	569.0034	626.1022
1163	SRC	1410.878	1.165375	0.113268	10.28866	7.93E-25	1.81E-23	861.9173	890.0916	862.7069	1830.344	1852.47	2167.741
5019	LOC119611	112.8327	1.164589	0.248945	4.678096	2.90E-06	1.53E-05	68.30288	77.18507	63.31155	162.9453	145.4595	159.7917
15179	ANGPTL6	18.86551	1.164313	0.646708	1.80037	0.071802	0.125757	8.673382	11.49565	14.61036	13.39276	44.92132	20.09959
18787	GAS2	11.56564	1.164099	0.954549	1.219527	0.222644	0.315047	4.878777	4.379295	11.82743	8.928508	36.36488	3.014938
11802	GBA	38.43525	1.164086	0.475388	2.448705	0.014337	0.032295	33.60935	17.51718	20.87194	46.87467	36.36488	75.37346
12978	LOC103231	33.71401	1.163823	0.527204	2.207539	0.027276	0.055875	12.46799	32.2973	17.39328	66.96381	29.94755	43.21412
20296	LOC103211	5.170184	1.163318	1.189138	0.978286	0.327933	0.42947	1.084173	2.737059	5.565851	8.928508	10.69555	2.009959
1833	MYORG	525.3557	1.162767	0.139033	8.363245	6.10E-17	8.85E-16	316.0364	342.1324	317.2535	683.0309	703.7674	789.9139
9944	PCED1B	52.14886	1.162157	0.404054	2.876245	0.004024	0.010757	27.10432	28.46541	40.35242	102.6778	62.03421	52.25893
2725	ARVCF	764.1825	1.162022	0.170606	6.811149	9.68E-12	9.45E-11	541.5443	361.8392	514.8412	1069.189	936.9305	1160.751
21019	FSCN3	3.834489	1.161862	1.324144	0.877444	0.380246	0.480938	4.336691	0.547412	2.087194	4.464254	8.556443	3.014938
11988	SEPTIN14	42.77053	1.161414	0.482168	2.408732	0.016008	0.0355	28.73058	26.27577	22.95914	66.96381	85.56443	26.12947
11545	LOC103241	31.00377	1.161262	0.46363	2.504719	0.012255	0.02822	14.63633	19.15941	23.65487	40.17829	49.19955	39.1942
1781	DAAM1	752.0711	1.16125	0.136541	8.504781	1.82E-17	2.72E-16	430.9587	527.705	436.9193	1020.082	988.2691	1108.492
904	TRPM3	1494.6	1.160199	0.101312	11.45172	2.31E-30	6.78E-29	905.2842	967.8241	898.8849	2002.218	2124.137	2069.253
21460	LOC119621	3.092421	1.160169	1.433924	0.809087	0.418465	0.518401	0.542086	1.642235	3.478657	4.464254	6.417332	2.009959
1237	VCIPI1	2546.775	1.160042	0.11561	10.03407	1.08E-23	2.32E-22	1468.512	1811.386	1444.338	3435.243	3510.281	3610.891
11309	AIM2	53.04021	1.159055	0.453381	2.556469	0.010574	0.024857	24.93597	30.10765	42.43961	69.19594	113.3729	38.18922
1188	SBNQ2	2826.153	1.158484	0.113655	10.19298	2.13E-24	4.77E-23	1796.474	1629.645	1825.599	3716.491	3580.871	4407.84
707	B4GALT5	7666.889	1.157469	0.090665	12.76639	2.53E-37	9.50E-36	4878.777	4764.672	4599.48	10428.5	9957.56	11372.35
821	TUSC3	3038.27	1.15728	0.097064	11.9228	9.00E-33	2.92E-31	1993.252	1741.317	1909.783	4049.078	4276.082	4260.108
2374	CGNL1	1432.736	1.156558	0.158297	7.306253	2.75E-13	3.08E-12	766.5101	1122.742	773.6533	1799.094	2012.903	2121.512
16471	LOC103221	13.2647	1.156395	0.732915	1.577804	0.114611	0.184987	7.589209	5.474118	11.82743	8.928508	25.66933	20.09959
17299	CUNH22or	9.967319	1.156185	0.798241	1.448416	0.147501	0.226678	4.336691	6.568942	7.653045	8.928508	19.252	13.06473
13583	CDK5R2	22.95375	1.156137	0.552592	2.092207	0.03642	0.071282	10.84173	18.06459	13.91463	20.08914	40.6431	34.1693
15571	CYP11A1	14.68007	1.156082	0.666984	1.733298	0.083043	0.141791	7.589209	8.211177	11.1317	24.5534	23.53022	13.06473
23197	LOC119611	1.285697	1.155901	2.181586	0.529844	0.59622	0.6833	0	1.642235	0.695731	2.232127	2.139111	1.004979
16651	CUNH1orf1	11.84261	1.15576	0.746421	1.548403	0.121525	0.194027	6.505036	4.379295	11.1317	17.85702	17.11289	14.06971
2298	CUNH3orf1	459.8804	1.15529	0.155723	7.418856	1.18E-13	1.37E-12	321.4572	262.7577	268.5523	649.549	678.0981	578.8682
1438	GSTA4	885.2378	1.155223	0.12279	9.408102	5.05E-21	9.34E-20	499.8036	581.3513	565.6296	1265.616	1150.842	1248.185
1937	NEURL1B	813.5233	1.15477	0.142129	8.124807	4.48E-16	6.15E-15	507.3928	451.6147	557.9766	1049.1	1041.747	1273.309
7443	IRF4	64.67987	1.154662	0.32218	3.583899	0.000339	0.001209	39.03022	35.03436	46.614	91.51721	83.42532	92.45811
1138	GOLGA7	1846.879	1.154402	0.111442	10.35875	3.82E-25	8.92E-24	1073.331	1277.659	1082.558	2508.911	2652.497	2486.319
3244	CCDC159	215.594	1.153701	0.188997	6.104345	1.03E-09	8.46E-09	130.6428	147.2538	123.1445	299.105	290.911	302.4988
23480	TRNAV-CA	1.267532	1.153479	2.365527	0.48762	0.625819	0.708577	1.626259	0	0.695731	0	4.278221	1.004979
1716	DLG4	821.6387	1.153216	0.132731	8.688348	3.68E-18	5.70E-17	451.0159	575.3298	503.0138	1109.367	1144.424	1146.682
17356	LOC119621	11.06124	1.153173	0.801688	1.438431	0.150312	0.23024	8.673382	3.284471	8.348776	15.62489	21.39111	9.044815
14721	IGSF11	24.3675	1.152825	0.611577	1.885004	0.059429	0.107317	22.76763	9.306001	12.52316	53.57105	29.94755	18.08963
21706	DNAJC5G	2.844742	1.152753	1.484011	0.776782	0.437288	0.53558	0.542086	3.284471	1.391463	6.696381	2.139111	3.014938
2751	ANK3	432.7322	1.152574	0.170174	6.772909	1.26E-11	1.22E-10	237.9759	320.2359	246.9846	549.1032	648.1505	593.9429
2537	FBXL13	419.2321	1.151888	0.162968	7.068195	1.57E-12	1.64E-11	272.6694	221.1544	285.9456	587.0494	613.9248	534.6491
9605	TMEM47	51.91196	1.150671	0.388704	2.960276	0.003074	0.008507	23.8518	43.79295	28.52499	78.12444	74.86887	62.30873
23150	LOC119621	1.792108	1.1505	2.144008	0.536612	0.591536	0.679308	0	0.547412	2.782925	0	6.417332	1.004979
8420	LOC103241	57.0642	1.150304	0.351099	3.2763	0.001052	0.003321	39.5723	31.74989	34.09084	84.82083	89.84265	62.30873
22827	HSX2D	1.558157	1.150253	1.954	0.588666	0.556085	0.647634	1.084173	1.094824	0.695731	4.464254	0	2.009959
19479	LOC119621	7.298561	1.149775	1.041362	1.104107	0.269547	0.367878	4.878777	5.474118	2.782925	20.08914	8.556443	2.009959
20601	MUC13	4.114049	1.149511	1.22701	0.93684	0.348841	0.450169	1.084173	4.379295	2.087194	6.696381	6.417332	4.019918
14276	LOC119621	21.3094	1.149435	0.584762	1.965646	0.049339	0.091887	13.55216	13.6853	11.82743	26.78552	44.92132	17.08465
1909	BCORL1	938.1561	1.149083	0.140492	8.179017	2.86E-16	3.99E-15	512.8137	689.1915	547.5406	1243.295	1315.553	1320.543
1398	RAB7B	821.9302	1.148855	0.12055	9.530145	1.57E-21	2.99E-20	532.8709	529.8946	470.3144	1120.528	1110.198	1167.786
5862	LOC119621	107.3834	1.148812	0.271166	4.236566	2.27E-05	0.000103	69.38706	74.44801	54.96278	154.0168	166.8506	124.6175
15221	LOC103231	14.66154	1.148375	0.640752	1.792232	0.073096	0.127669	8.673382	8.758589	9.740239	22.32127	21.39111	17.08465
19284	LOC103211	6.182698	1.148114	1.008314	1.138647	0.25485	0.351338	1.626259	4.379295	5.565851	8.928508	8.556443	8.039836
5020	NUDT18	241.9192	1.147935	0.245393	4.677953	2.90E-06	1.53E-05	176.7202	103.4608	173.2371	287.9444	310.171	399.9818
21619	LOC119621	2.832434	1.147133	1.456616	0.787533	0.43097	0.529966	0.542086	2.737059	2.087194	4.464254	2.139111	5.024897
2234	TNFAIP2	657.8182	1.146776	0.152133	7.537975	4.77E-14	5.68E-13	428.7903	370.5978	432.0492	906.2436	770.0798	1039.149
17384	LOC103221	10.34342	1.146615	0.80065	1.432105	0.152114	0.232624	4.336691	7.663765	6.957314	20.08914	14.97377	8.039836
17993	LOC119621	9.310372	1.146559	0.852753	1.344539	0.178774	0.264142	3.252518	4.926706	9.044508	15.62489	14.97377	8.039836
1557	CCDC198	728.0566	1.146083	0.12641	9.066391	1.23E-19	2.10E-18	428.7903	495.4077	434.1364	1026.778	1005.382	977.845
2716	TNFRSF14	682.2637	1.145695	0.16804	6.817987	9.23E-12	9.04E-11	466.7364	341.585	468.2272	982.1359	795.7492	1039.149
19427	LOC103241	6.248957	1.145529	1.028453	1.113838	0.265349	0.363118	2.710432	3.284471	5.565851	15.62489	4.278221	6.029877
23502	LOC119621	1.270195	1.14528	2.364845	0.484294	0.628177	0.710551	0	1.642235	0.695731	0	4.278221	1.004979
23503	LOC119621	1.270195	1.14528	2.364845	0.484294	0.628177	0.710551	0	1.642235	0.695731	0	4.278221	1.004979
3107	LOC119611	302.4417	1.145152	0.182586	6.271863	3.57E-10	3.05E-09	196.7774	159.8442	208.7194	377.2295	462.0479	410.0316
1120	NDRG2	1032.745	1.144102	0.109666	10.43264	1.76E-25	4.18E-24	634.7831	667.295	629.6369	1417.401		



1899	IGFBP6	2126.502	1.142991	0.139458	8.195962	2.49E-16	3.48E-15	1499.411	1074.022	1406.073	2912.926	2671.749	3194.83
1340	CCPG1	4966.078	1.142836	0.117332	9.740218	2.03E-22	4.03E-21	2791.745	3615.655	2879.632	6560.221	7142.491	6806.726
14075	GBGT1	20.05256	1.142738	0.571732	1.998731	0.045637	0.0862	14.09425	13.13788	9.740239	29.01765	34.22577	20.09959
22996	LOC119618	1.540879	1.142366	2.023526	0.564542	0.572385	0.661718	2.168345	0	0.695731	2.232127	2.139111	2.009959
15979	LOC103224	16.75756	1.141578	0.68408	1.668779	0.095161	0.158324	5.420864	13.6853	11.82743	22.32127	34.22577	13.06473
21080	MGAT4D	3.899622	1.141257	1.314426	0.868255	0.385255	0.485846	0.542086	3.284471	3.478657	8.928508	2.139111	5.024897
1172	SLC35A1	1180.27	1.141002	0.111204	1.026045	1.06E-24	2.41E-23	773.5572	696.8552	739.5624	1526.775	1702.732	1642.136
21245	LOC119625	3.08939	1.140905	1.354404	0.842367	0.399582	0.500019	1.626259	2.189647	2.087194	4.464254	2.139111	6.029877
13637	ISM1	23.25153	1.140726	0.547986	2.081669	0.037373	0.072859	9.215468	14.78012	19.48048	37.94616	29.94755	28.13943
19166	LOC119615	7.206504	1.140658	0.984868	1.158184	0.246789	0.342319	7.589209	3.831883	2.087194	13.39276	4.278221	12.05975
12675	LY6G5C	34.59315	1.140653	0.503438	2.265726	0.023468	0.049223	10.29964	25.72836	28.52499	51.33892	53.47777	38.18922
2316	LOC103235	1418.827	1.139593	0.154247	7.388102	1.49E-13	1.71E-12	1005.028	724.7732	931.5843	1886.147	1694.176	2271.254
23625	LOC119626	1.59696	1.13954	2.44913	0.465284	0.641728	0.722101	0	2.189647	0.695731	6.696381	0	0
16543	LOC119620	15.835	1.138957	0.72697	1.566717	0.117181	0.188312	8.673382	12.59047	7.653045	31.24978	27.80844	7.034856
23437	GPX7	1.271614	1.138879	2.30681	0.493703	0.621516	0.704906	1.084173	0	1.391463	0	2.139111	3.014938
23440	TRNAQ-CU	1.271614	1.138879	2.30681	0.493703	0.621516	0.704906	1.084173	0	1.391463	0	2.139111	3.014938
3305	LOC119625	245.3052	1.138683	0.188689	6.0347	1.59E-09	1.28E-08	160.9997	165.3184	132.8847	308.0335	367.927	336.6681
22120	LOC119627	2.842906	1.138237	1.612912	0.705703	0.480373	0.577337	0.542086	0.547412	4.174388	2.232127	8.556443	1.004979
1046	RAP2B	5000.921	1.138085	0.105427	10.79497	3.64E-27	9.24E-26	2980.391	3520.405	2874.066	6682.988	6817.346	7130.329
10840	PALM3	96.66533	1.137191	0.4271	2.662587	0.007754	0.019017	28.18849	49.81448	102.9682	142.8561	164.7115	91.45313
22340	LOC119623	2.592032	1.136679	1.70055	0.668419	0.503866	0.599613	0.542086	2.737059	1.391463	4.464254	6.417332	0
15301	LOC103245	18.29914	1.1364	0.638731	1.779151	0.075215	0.130684	10.84173	10.40082	12.52316	22.32127	40.6431	13.06473
17831	LOC103226	12.69596	1.136346	0.828296	1.371908	0.170092	0.253583	7.589209	13.6853	2.087194	26.78552	14.97377	11.05477
10377	LOC103224	68.50568	1.135798	0.410024	2.770075	0.005604	0.014358	47.7036	27.918	52.87558	55.80317	143.3204	83.4133
1219	DHRS1	1408.038	1.135576	0.112396	10.10337	5.34E-24	1.16E-22	922.631	896.6606	825.8331	1890.612	1816.105	2096.387
9711	HOXC13	53.08258	1.135243	0.387981	2.926029	0.003433	0.009399	23.8518	29.56024	46.614	66.96381	79.14709	72.35852
22846	LOC119625	2.302827	1.135083	1.937667	0.585799	0.558011	0.649335	2.168345	0	2.087194	0	8.556443	1.004979
12241	TRNAY-GU	38.47441	1.134613	0.48116	2.358079	0.01837	0.039892	22.76763	23.53871	27.13352	51.33892	25.66933	80.39836
1269	LOC103225	4835.474	1.134194	0.114135	9.937338	2.86E-23	6.00E-22	3285.043	2677.391	3122.442	6549.061	6085.77	7293.136
21562	LOC103234	3.385518	1.134044	1.426762	0.794837	0.426708	0.526127	2.168345	0.547412	3.478657	6.696381	6.417332	1.004979
19545	GNG8	6.181089	1.134035	1.039025	1.091441	0.275079	0.37416	4.336691	2.189647	4.87012	6.696381	14.97377	4.019918
20929	LOC119627	4.36917	1.133868	1.279128	0.886438	0.375382	0.47673	2.168345	1.094824	4.87012	2.232127	12.83466	3.014938
6771	LOC119618	102.8903	1.133628	0.296195	3.827307	0.00013	0.000509	60.71367	58.02565	73.05179	151.7846	173.268	100.4979
16968	LOC119615	11.68051	1.133395	0.7574	1.496429	0.134542	0.21071	7.047123	4.379295	10.43597	22.32127	12.83466	10.6473
18306	LOC103220	8.021112	1.133024	0.884334	1.281217	0.200118	0.290626	2.710432	6.02153	6.261582	13.39276	10.69555	9.044815
1583	FAM13A	957.8584	1.132911	0.125469	9.029384	1.73E-19	2.90E-18	631.5306	629.5236	540.5833	1236.598	1289.884	1419.031
14011	LOC103217	24.36391	1.132286	0.563019	2.011097	0.044315	0.084085	15.7205	12.59047	17.39328	17.85702	53.47777	29.1444
15477	AXDND1	22.4108	1.132259	0.647264	1.7493	0.080239	0.137828	16.80468	9.853413	14.61036	44.64254	38.50399	10.04979
18208	LOC103236	11.11609	1.132055	0.870568	1.300363	0.193477	0.28249	10.29964	8.758589	1.391463	20.08914	17.11289	9.044815
15323	TRPV1	18.02045	1.131906	0.637569	1.775345	0.075841	0.131582	10.84173	12.04306	10.43597	20.08914	40.6431	14.06971
20627	LOC119625	5.002063	1.131455	1.214252	0.931813	0.351433	0.452943	1.626259	2.737059	4.87012	15.62489	2.139111	3.014938
1067	RSRC1	4586.663	1.131212	0.106075	10.66432	1.49E-26	3.72E-25	2637.25	3241.773	2744.66	6410.669	6404.497	6081.131
3848	ADAP1	442.7115	1.130894	0.205687	5.498131	3.84E-08	2.65E-07	313.3259	200.9001	320.7322	611.6028	511.2474	698.4607
1468	ZHX1	3989.91	1.130673	0.121189	9.329807	1.06E-20	1.92E-19	2281.099	2952.739	2272.259	5301.302	5424.785	5707.278
9920	ASGR1	41.96663	1.130568	0.392591	2.879758	0.00398	0.010666	28.73058	22.44388	27.82925	51.33892	64.17332	57.28383
1366	IGSF8	1102.766	1.130445	0.116998	9.662115	4.37E-22	8.50E-21	719.3486	650.3252	708.2545	1486.597	1413.952	1638.117
18570	LOC103235	10.0369	1.130432	0.911532	1.240145	0.214922	0.307684	9.757555	3.831883	4.87012	8.928508	27.80844	5.024897
905	GCLC	9852.328	1.130127	0.098759	11.44325	2.54E-30	7.47E-29	5954.277	6839.363	5746.045	13272.23	13112.75	14189.31
17315	LOC119626	12.52014	1.130022	0.781458	1.446043	0.148165	0.227489	8.131296	10.40082	4.87012	6.696381	29.94755	15.07469
16940	LOC103216	19.08783	1.129688	0.752604	1.50104	0.133345	0.209267	9.215468	6.02153	20.17621	35.71403	36.36488	7.034856
18861	TEX49	9.051603	1.129514	0.932887	1.210772	0.225983	0.318528	5.96295	4.379295	6.261582	11.16063	23.53022	3.014938
16095	CD177	15.03915	1.129359	0.6857	1.647018	0.099554	0.16444	7.589209	10.40082	9.740239	26.78552	25.66933	10.04979
18328	TRNAC-GC	8.577391	1.128995	0.882856	1.278799	0.200968	0.29152	4.336691	3.284471	8.348776	15.62489	12.83466	7.034856
2741	NOL4L	435.598	1.127216	0.165973	6.791544	1.11E-11	1.08E-10	242.8547	307.6454	269.9438	529.0141	680.2372	583.8931
14846	LOC103220	21.75247	1.126948	0.604995	1.862737	0.062499	0.111918	11.38381	16.96977	11.82743	33.6819	42.78221	14.06971
19146	OIT3	7.221353	1.126932	0.970135	1.161624	0.024588	0.340731	3.794605	2.737059	6.957314	6.696381	17.11289	6.029877
16159	LOC103247	13.15818	1.126694	0.68905	1.635139	0.10202	0.16785	10.29964	7.663765	6.957314	20.08914	12.83466	21.10457
1303	ARAP1	4487.016	1.126606	0.114522	9.837421	7.77E-23	1.58E-21	3032.973	2566.814	2861.543	6129.421	5480.402	6850.945
20012	SBK2	5.695977	1.126358	1.097015	1.026748	0.304539	0.404546	1.626259	2.737059	6.261582	6.696381	12.83466	4.019918
23598	LOC119627	1.507933	1.126173	2.403573	0.468541	0.639398	0.720332	1.626259	0	1.391463	0	0	6.029877
11648	AS3MT	45.45966	1.126144	0.453858	2.481127	0.013092	0.029879	37.40396	26.27577	20.87194	58.0353	91.98176	38.18922
21341	LOC119627	3.341733	1.125879	1.363752	0.825575	0.409045	0.509558	1.626259	3.831883	0.695731	4.464254	6.417332	3.014938
6199	LOC103227	128.106	1.125135	0.276128	4.074687	4.61E-05	0.000198	81.85504	71.71095	86.27069	178.5702	224.6066	125.6224
1929	KNDC1	2597.514	1.124983	0.138197	8.14044	3.94E-16	5.43E-15	1796.474	1306.125	1799.857	3499.975	3313.482	3869.171
1678	BST2	1480.097	1.12489	0.1281	8.781349	1.62E-18	2.56E-17	997.4389	784.9885	1011.593	2035.7	1927.339	2123.522
12235	MIR9-1HG	55.11811	1.124148	0.476339	2.359974	0.018276	0.039712	26.02015	19.15941	58.44144	82.5887	96.25998	48.23901
20238	LOC103247	4.854801	1.12378	1.135757	0.989454	0.322441	0.423564	3.794605	3.284471	2.087194	2.232127	10.69555	7.034856
7827	PSD	75.29669	1.123218	0.324722	3.45901	0.000542	0.001842	47.16151	35.58177	59.8329	113.8385	89.84265	105.5228
974	SNX10	1346.011	1.123115	0.100957	11.12463	9.52E-29	2.60E-27	863.0015	837.5401	839.7478	1908.469	1803.27	1824.038
18538	LOC103246	8.037668	1.122977	0.901249	1.246024								



21533	LOC119621	3.137839	1.119227	1.399329	0.799832	0.423808	0.523241	2.168345	2.189647	1.391463	8.928508	2.139111	2.009959
7487	LOC103220	72.35049	1.119175	0.313744	3.567154	0.000361	0.001281	42.82482	49.26706	43.83108	95.98146	119.7902	82.40832
835	IGDCC4	24302.35	1.119027	0.094424	11.85104	2.13E-32	6.77E-31	15003.87	15629.15	15342.27	31756.47	31226.74	36855.61
16515	MMP27	17.91969	1.118825	0.711478	1.572537	0.115826	0.186451	11.38381	18.06459	4.174388	37.94616	12.83466	23.11453
477	SAT1	20516.36	1.118072	0.075405	14.82752	9.73E-50	5.42E-48	12781.85	12939.72	13105.49	28002.03	27718.6	28550.46
15258	LOC103216	19.59133	1.117844	0.625806	1.786245	0.07406	0.12903	12.46799	8.758589	15.30609	42.41041	23.53022	15.07469
1229	LRATD2	2824.466	1.117303	0.11094	10.07124	7.40E-24	1.60E-22	1904.892	1672.343	1774.115	3792.384	3518.837	4284.227
741	LOC103215	7561.289	1.117261	0.089192	12.52645	5.35E-36	1.92E-34	5029.477	4472.355	4815.157	10294.57	10026.01	10730.17
9784	MMP9	51.88369	1.116633	0.384036	2.907625	0.003642	0.009896	26.56223	42.69812	28.52499	62.49956	87.70354	63.31371
20110	LOC103231	5.433683	1.116242	1.103939	1.011145	0.311947	0.412388	1.084173	4.926706	4.174388	6.696381	10.69555	5.024897
1036	LRIG1	3310.971	1.116049	0.103077	10.82732	2.56E-27	6.56E-26	2030.113	2181.436	2064.931	4406.219	4188.379	4994.748
23391	LOC119621	1.577907	1.116024	2.231216	0.500187	0.616944	0.701163	2.168345	0	0.695731	4.464254	2.139111	0
19691	LOC103238	6.252305	1.115422	1.041256	1.071227	0.284067	0.383502	1.626259	6.568942	3.478657	13.39276	6.417332	6.029877
2369	STAC2	388.1626	1.115278	0.152512	7.312726	2.62E-13	2.94E-12	224.9658	252.3568	259.5078	535.7105	502.691	553.7437
2134	CLCN4	416.7448	1.115204	0.144351	7.725618	1.11E-14	1.39E-13	258.0331	276.9904	255.3334	544.639	577.5599	587.913
1082	RNF139	3202.312	1.114872	0.10548	10.56953	4.13E-26	1.01E-24	2182.44	1797.153	2088.586	4488.807	4410.846	4246.038
15655	RSPH6A	18.45463	1.114203	0.646294	1.723986	0.08471	0.143853	10.29964	8.211177	16.00182	26.78552	36.36488	13.06473
11098	LOC119621	38.28856	1.11412	0.427554	2.605802	0.009166	0.021957	29.81475	16.96977	25.74206	51.33892	55.61688	50.24897
17059	WDR49	13.0258	1.113887	0.74951	1.486154	0.137238	0.213874	5.420864	10.40082	8.348776	24.5534	21.39111	8.039836
1140	ROBO2	13517.45	1.113735	0.107631	10.34771	4.29E-25	1.00E-23	7961.08	9746.12	7927.859	17801.21	18056.23	19612.17
15901	LOC103231	15.26011	1.113429	0.661126	1.684141	0.092155	0.154064	14.09425	6.568942	8.348776	22.32127	17.11289	23.11453
21559	LOC119621	2.853071	1.113342	1.39951	0.795523	0.426309	0.525694	1.084173	2.189647	2.087194	4.464254	4.278221	3.014938
3357	LOC119621	227.5357	1.113233	0.185992	5.985389	2.16E-09	1.71E-08	150.7	137.4004	144.7121	279.0159	318.7275	334.6582
15899	LOC103241	16.60832	1.112722	0.66067	1.684231	0.092137	0.154064	10.84173	14.78012	5.565851	31.42978	17.11289	20.09959
1926	SLC45A4	784.6336	1.112676	0.136653	8.142346	3.88E-16	5.35E-15	538.2918	430.8131	521.1028	1098.206	996.8256	1122.562
10160	LOC119618	48.67967	1.112103	0.393864	2.823571	0.004749	0.012427	37.94605	32.2973	22.2634	51.33892	74.86887	73.3635
12973	LOC103241	30.22997	1.111877	0.50351	2.208252	0.027227	0.055794	11.9259	22.44388	22.95914	31.24978	55.61688	37.18424
17670	LOC103241	12.58589	1.111715	0.799281	1.390894	0.164258	0.24713	4.336691	6.02153	13.2189	26.78552	17.11289	8.039836
10205	LOC103221	42.89183	1.111699	0.394822	2.815696	0.004867	0.012682	28.73058	23.53871	29.91645	51.33892	53.47777	70.34856
10999	ABCG1	41.89213	1.111631	0.422736	2.629609	0.008548	0.020662	26.02015	20.80165	32.00364	71.42806	59.8951	41.20416
20094	LOC103221	4.900881	1.110886	1.095926	1.013651	0.310749	0.411131	2.168345	3.831883	3.478657	4.464254	6.417332	9.044815
18142	LOC103231	9.580296	1.110425	0.844902	1.314264	0.188757	0.276602	9.757555	2.737059	5.565851	13.39276	14.97377	11.05477
17948	TMC4	11.22464	1.110219	0.821458	1.351523	0.176528	0.261478	6.505036	10.40082	4.174388	26.78552	6.417332	13.06473
23285	SELENOW	1.832331	1.109956	2.15303	0.515532	0.606181	0.692031	0	0	3.478657	2.232127	4.278221	1.004979
23286	LOC119621	1.832331	1.109956	2.15303	0.515532	0.606181	0.692031	0	0	3.478657	2.232127	4.278221	1.004979
4527	SP110	299.2883	1.10934	0.221948	4.998205	5.79E-07	3.40E-06	157.205	254.5465	157.2353	419.6399	367.927	439.176
21293	LOC103215	3.110028	1.109261	1.328883	0.834732	0.403869	0.504243	2.168345	1.642235	2.087194	4.464254	4.278221	4.019918
1901	BAG3	1648.293	1.109101	0.135346	8.194581	2.51E-16	3.52E-15	909.0788	1218.539	1007.419	2209.806	2070.659	2474.259
17736	SCUBE2	10.61541	1.107722	0.803769	1.378159	0.168154	0.252037	6.505036	7.663765	5.565851	13.39276	23.53022	7.034856
1409	UBXN8	829.8668	1.107479	0.116586	9.499258	2.11E-21	5.99E-20	527.45	498.1448	553.8022	1120.528	1131.59	1147.687
924	SPR	2760.787	1.107146	0.097332	11.37492	5.58E-30	1.60E-28	1799.727	1742.959	1712.195	3776.759	3508.141	4024.943
5567	LOC103221	131.9397	1.107131	0.252332	4.387591	1.15E-05	5.47E-05	97.57555	75.54283	79.31338	154.0168	171.1289	214.0606
20058	LOC119621	5.656972	1.107041	1.086207	1.01918	0.308118	0.40832	3.794605	2.737059	4.174388	2.232127	14.97377	6.029877
22763	LOC119621	2.106565	1.106946	1.846599	0.599451	0.548872	0.641039	0	0.547412	3.478657	4.464254	2.139111	2.009959
16180	INHBB	20.50289	1.106832	0.678983	1.630132	0.103074	0.169358	7.047123	14.78012	16.69755	20.08914	51.33866	13.06473
21831	CUNH4orf.2	2.838456	1.106617	1.465556	0.755084	0.450199	0.548236	0.542086	2.737059	2.087194	2.232127	6.417332	3.014938
11373	WDR93	40.14347	1.106171	0.434958	2.543167	0.010985	0.025679	22.22554	29.56024	23.65487	75.89232	51.33866	38.18922
7658	MTARC1	77.73896	1.105506	0.31516	3.507756	0.000452	0.001569	61.25576	45.43518	40.35242	107.1421	119.7902	92.45811
7208	LOC119620	83.30389	1.10538	0.301691	3.663944	0.000248	0.000916	43.36691	60.76271	53.57132	118.3027	128.3466	95.47305
7899	SPRY3	73.78845	1.105346	0.32127	3.440554	0.000581	0.001954	53.7777	54.74118	49.39693	113.8385	100.5382	88.43819
15694	SLC5A2	16.9677	1.105106	0.643216	1.718093	0.08578	0.145307	8.673382	7.663765	16.00182	31.42978	17.11289	21.10457
3916	LOC119620	278.1296	1.104858	0.20335	5.433281	5.53E-08	3.76E-07	152.8684	218.9647	158.6268	334.819	391.4573	412.0416
1360	PIK3C2B	1422.27	1.104687	0.114062	9.684975	3.49E-22	6.83E-21	841.8601	941.5483	928.8014	1928.558	1790.436	2102.417
2238	PTHLH	426.0818	1.103788	0.146543	7.532164	4.99E-14	5.93E-13	269.4169	258.3784	282.4669	618.2992	588.2554	539.674
2861	SCD5	404.7179	1.103063	0.167179	6.598077	4.17E-11	3.87E-10	228.7604	245.2405	299.8602	573.9426	515.5257	600.9777
16321	LOC103231	12.73907	1.102843	0.688601	1.960157	0.10925	0.177956	8.673382	6.568942	9.044508	20.08914	14.97377	17.08465
2435	HSD11B1L	423.51	1.101984	0.152651	7.218982	5.24E-13	5.72E-12	281.8849	249.6198	278.2925	522.3177	581.8381	627.1072
20325	LOC103228	5.664604	1.101819	1.130867	0.974313	0.329901	0.431509	1.084173	4.926706	4.87012	2.232127	12.83466	8.039836
24107	LOC103231	1.035295	1.1015	2.827583	0.389555	0.696865	0.768497	0.542086	0	1.391463	0	4.278221	0
1429	LOC103211	3010.732	1.100732	0.116615	9.439042	3.76E-21	7.00E-20	1820.326	2194.027	1731.675	3977.65	3968.05	4372.666
23452	LOC119620	1.562404	1.100692	2.23664	0.492118	0.622636	0.705815	2.168345	0	0.695731	2.232127	4.278221	0
13679	LOC103231	26.79853	1.099853	0.53063	2.07273	0.038197	0.074236	22.22554	10.94824	17.39328	40.17829	44.92132	25.12449
17358	LOC119621	10.36359	1.099765	0.764822	1.437936	0.150452	0.230428	5.420864	8.758589	5.565851	13.39276	14.97377	14.06971
1190	GSR	10054.58	1.099426	0.108036	10.17651	2.52E-24	5.64E-23	6135.334	7269.629	5792.659	13156.16	13467.84	14505.87
1417	ACAP3	2192.131	1.099152	0.11599	9.476227	2.64E-21	4.95E-20	1479.896	1306.672	1403.986	2883.908	2716.671	3361.656
10062	GRP52	50.32556	1.098126	0.385503	2.848556	0.004392	0.011604	42.28274	26.82318	26.43779	66.96381	79.14709	60.29877
1328	CD81	7877.995	1.097797	0.112314	9.774394	1.45E-22	2.90E-21	5469.109	4521.622	5066.316	10321.36	9889.109	12000.46
1305	CNPY4	861.5643	1.097661	0.111614	9.834474	8.00E-23	1.63E-21	544.7968	547.9592	554.4979	1156.242	1167.954	1197.936
13249	LOC119621	24.58293	1.097413	0.508554	2.15791	0.030935	0.062073	14.63633	18.612	13.91463	26.78552	36.36488	37.18424
10959	LOC119621	45.60753	1.097309	0.416074	2.637291	0.008357	0.020273	23.30971					



22080	LOC119621	3.126358	1.095883	1.538129	0.712478	0.476169	0.573322	0.542086	0.547412	4.87012	2.232127	8.556443	2.009959
671	ACSL5	6905.067	1.095388	0.084247	13.00205	1.19E-38	4.72E-37	4356.748	4554.466	4299.62	9091.453	9343.635	9784.48
23173	HSPB3	1.787303	1.094665	2.050769	0.533783	0.593492	0.680878	2.168345	0	1.391463	0	2.139111	5.024897
23424	LOC119620	2.062058	1.094653	2.208591	0.495634	0.620153	0.703824	1.626259	2.189647	0	0	8.556443	0
19211	LOC103241	6.514928	1.094312	0.950213	1.151649	0.249465	0.345221	4.878777	3.284471	4.174388	11.16063	8.556443	7.034856
19361	CLVS2	6.241581	1.092954	0.971043	1.125546	0.260358	0.357484	4.336691	3.284471	4.174388	8.928508	10.69555	6.029877
1798	XXYL1	651.5562	1.092402	0.129149	8.458461	2.71E-17	4.01E-16	418.4907	429.1709	401.437	808.03	932.6523	919.5562
23338	LOC103211	1.308642	1.092287	2.150019	0.508036	0.611428	0.696496	1.084173	0	1.391463	2.232127	2.139111	1.004979
20265	ARSL	5.241313	1.092224	1.108455	0.985357	0.324449	0.425621	2.168345	1.642235	6.261582	8.928508	6.417332	6.029877
16503	LOC103231	14.10768	1.092005	0.693355	1.574957	0.115266	0.185685	10.84173	4.926706	11.1317	24.5534	17.11289	16.07967
757	LOC103221	5327.064	1.091797	0.087763	12.44025	1.58E-35	5.55E-34	3530.609	3317.863	3359.687	7470.929	6866.545	7416.748
7198	LOC119621	79.77676	1.090828	0.297361	3.668365	0.000244	0.000902	53.66655	50.36189	48.00546	102.6778	130.4858	93.46309
1514	PIK3CB	2914.944	1.090393	0.118481	9.203133	3.48E-20	6.10E-19	1763.949	2110.273	1717.761	3783.455	3745.583	4368.646
18939	TMEM95	9.372187	1.089565	0.910046	1.197263	0.231204	0.324545	5.96295	2.737059	9.044508	8.928508	23.53022	6.029877
19052	LOC103221	12.64208	1.08947	0.925565	1.176978	0.239204	0.333783	11.38381	3.284471	9.044508	22.32127	27.80844	2.009959
739	CALM1	19056.38	1.08942	0.086845	12.54438	4.27E-36	1.54E-34	11903.13	12829.69	11825.35	25229.73	25051.13	27499.25
22842	LOC119621	2.871708	1.08926	1.856771	0.586642	0.557444	0.64879	0	0	5.565851	2.232127	6.417332	3.014938
16035	LOC103211	15.94394	1.089085	0.656202	1.659679	0.096979	0.160785	10.84173	11.49565	7.653045	31.24978	21.39111	13.06473
24096	LOC103241	1.05488	1.088834	2.784408	0.391047	0.695763	0.767568	0	0	2.087194	2.232127	0	2.009959
24097	LOC119621	1.05488	1.088834	2.784408	0.391047	0.695763	0.767568	0	0	2.087194	2.232127	0	2.009959
24098	CLDN9	1.05488	1.088834	2.784408	0.391047	0.695763	0.767568	0	0	2.087194	2.232127	0	2.009959
2310	COBL	1080.065	1.088766	0.147109	7.4011	1.35E-13	1.55E-12	610.9313	809.0747	654.6832	1493.293	1281.327	1631.082
2125	SLC35F6	1024.11	1.088739	0.140574	7.744961	9.56E-15	1.20E-13	648.8774	644.3037	676.2509	1406.24	1152.981	1616.007
4135	SPATA6L	201.7792	1.088655	0.206693	5.267012	1.39E-07	8.91E-07	135.5216	114.9565	134.9719	296.8729	295.1973	233.1552
19462	LOC119621	6.975718	1.087576	0.981706	1.107843	0.26793	0.365991	3.794605	3.831883	6.261582	4.464254	6.417332	17.08465
2340	DGAT1	1247.906	1.087405	0.147891	7.352731	1.94E-13	2.21E-12	888.4796	642.6615	867.577	1698.649	1535.881	1854.187
16286	LOC103231	21.49441	1.085943	0.674586	1.609792	0.107443	0.175389	9.215468	25.18094	6.261582	42.41041	27.80844	18.08963
1413	EPB41L1	5822.21	1.085773	0.114521	9.481014	2.52E-21	4.74E-20	3430.323	4299.92	3459.176	7801.284	7499.722	8442.833
1444	ANKRD33B	3073.831	1.085752	0.115636	9.389366	6.04E-21	1.11E-19	1910.312	2148.591	1852.037	3819.169	4006.554	4706.319
23092	ST8SIA6	1.566486	1.084211	1.982283	0.546951	0.584413	0.672814	1.626259	0	1.391463	2.232127	2.139111	2.009959
2102	GPC1	13016.37	1.083802	0.139059	7.793841	6.50E-15	8.22E-14	9224.684	6668.023	9146.085	17298.98	15701.07	20059.39
10105	COL5A3	82.00844	1.083675	0.381931	2.837354	0.004549	0.011968	46.07734	50.9093	59.13717	116.0706	162.5724	57.28383
916	TM2D2	1906.629	1.083617	0.094994	11.40719	3.85E-30	1.12E-28	1241.378	1230.034	1195.962	2667.392	2492.064	2612.947
12542	OSBP2	41.57953	1.082505	0.471736	2.294725	0.021749	0.046101	22.22554	26.82318	29.91645	55.80317	85.56443	29.1444
2781	SPTLC3	560.9226	1.081446	0.16073	6.728347	1.72E-11	1.64E-10	342.5986	431.3605	305.4261	790.173	725.1585	770.8193
3326	TIGD5	962.9335	1.08142	0.179657	6.019347	1.75E-09	1.40E-08	725.8536	446.1406	684.5997	1245.527	1202.18	1473.3
8643	LOC119611	65.74627	1.081415	0.336186	3.216717	0.001297	0.003988	33.06727	47.62483	45.22254	91.51721	102.6773	74.36848
13177	LOC103231	27.93304	1.080918	0.497086	2.17451	0.029667	0.059854	17.88885	16.42235	18.78475	40.17829	49.19955	25.12449
18887	LOC119621	7.577606	1.080869	0.896112	1.206177	0.027749	0.320576	7.794605	4.379295	6.261582	11.16063	12.83466	7.034856
7558	ARHGAP22	69.35139	1.080781	0.305349	3.539493	0.000401	0.00141	41.74065	47.62483	43.83108	98.21359	96.25998	88.43819
5016	MMP11	157.2995	1.08078	0.230963	4.679442	2.88E-06	1.52E-05	114.3802	82.11177	106.4469	198.6593	233.1631	209.0357
16600	LOC103231	14.52982	1.080707	0.693913	1.557409	0.119373	0.191177	10.29964	7.116354	10.43597	11.16063	32.08666	16.07967
10452	LOC119621	50.5174	1.080661	0.392264	2.754931	0.00587	0.014932	41.74065	21.89647	34.09084	66.96381	62.03421	76.37844
4432	CFAP74	185.3232	1.080573	0.213645	5.057786	4.24E-07	2.54E-06	118.7169	126.9995	111.317	207.5878	293.0582	254.2598
14873	LOC119621	25.57268	1.08006	0.58094	1.859158	0.063005	0.112619	20.0572	6.568942	22.95914	35.71403	29.94755	38.18922
639	UGCG	25088.97	1.079502	0.081689	13.21477	7.21E-40	3.00E-38	16292.41	16700.44	15360.36	33952.88	33085.62	35142.12
10293	C3AR1	44.01674	1.079309	0.386843	2.790042	0.00527	0.013612	30.35684	26.82318	27.13352	55.80317	72.72976	51.25395
4576	EPM2A	149.4566	1.078766	0.217666	4.956053	7.19E-07	4.18E-06	97.57555	100.1764	91.14081	191.9629	196.7982	219.0855
1986	SMIM8	622.327	1.078606	0.134447	8.022565	1.04E-15	1.39E-14	385.4234	404.5373	407.0029	915.1721	862.0616	759.7645
15520	LOC119621	16.46029	1.078436	0.620007	1.739392	0.081966	0.140403	8.131296	11.49565	11.82743	24.5534	25.66933	17.08465
1579	BSN	738.4066	1.078396	0.119347	9.035803	1.63E-19	2.74E-18	462.3997	481.175	482.1418	984.368	971.1562	1049.199
1055	ABCA2	3461.794	1.078034	0.100537	10.72278	7.96E-27	2.01E-25	2219.302	2146.949	2315.394	4562.468	4385.177	5141.475
1841	SLC52A2	2126.147	1.077907	0.129363	8.332405	7.92E-17	1.14E-15	1478.27	1228.94	1397.724	2883.908	2487.786	3280.253
15942	TRNAS-GCI	16.92073	1.077285	0.642222	1.677434	0.093458	0.155831	9.757555	8.211177	14.61036	15.62489	34.22577	19.09461
3952	NHSL2	234.1464	1.077004	0.199128	5.408614	6.35E-08	4.27E-07	143.1108	164.2235	142.6249	379.4616	293.0582	282.3992
13315	CD52	30.89654	1.076897	0.502353	2.143708	0.032056	0.063992	20.59928	27.918	11.1317	35.71403	42.78221	47.23404
20223	PRKCQ	4.956772	1.076543	1.085396	0.991844	0.321274	0.422344	3.794605	2.189647	3.478657	6.696381	8.556443	5.024897
3153	ZNF596	249.9241	1.076315	0.173191	6.214597	5.15E-10	4.34E-09	161.5417	163.6761	157.931	323.6584	337.9795	354.7578
19614	LOC103231	6.761517	1.07614	0.993085	1.083633	0.278527	0.377519	6.505036	2.189647	4.174388	6.696381	14.97377	6.029877
6347	LOC119621	156.8533	1.076036	0.268502	4.00755	6.14E-05	0.000257	75.35001	127.547	98.79385	196.4272	263.1106	179.8913
15826	MYB	16.2377	1.075918	0.634865	1.694721	0.090128	0.151391	8.673382	10.40082	11.82743	26.78552	25.66933	14.06971
15246	CHRM4	17.98524	1.0756	0.6012	1.789089	0.073601	0.12834	8.673382	12.04306	13.91463	20.08914	32.08666	21.10457
14076	COL24A1	27.45932	1.075587	0.53828	1.998191	0.045696	0.086305	18.43094	16.96977	16.69755	37.94616	55.61688	19.09461
13935	FLT4	32.54111	1.075576	0.531049	2.02538	0.042828	0.081707	14.63633	16.96977	30.61218	46.87467	62.03421	24.11951
1607	EHD1	4310.841	1.075563	0.119998	8.963194	3.15E-19	5.21E-18	2794.455	2483.607	3050.782	5694.156	5249.378	6592.665
2535	LOC103221	431.4383	1.074806	0.151935	7.074107	1.50E-12	1.58E-11	248.8176	305.4558	278.2925	613.8349	575.4208	566.8084
14353	LOC103221	21.92587	1.074219	0.550567	1.951115	0.051043	0.094544	17.34676	14.78012	9.740239	33.4819	32.08666	24.11951
1498	ZFYVE1	1638.857	1.073577	0.116045	9.251403	2.22E-20	3.93E-19	1086.883	1007.785	1077.688	2100.431	2059.964	2500.389
13392	CCM2L	34.12292	1.073451	0.504159	2.129191	0.033238	0.065983	11.9259	22.9913	30.61218	53.57105	53.47777	32.15934
4714	RAB27A	203.2031	1.073302	0.220164	4.875009	1.09E-06	6.14E-06	124.6799	148.896	121.0573	218.7484	280.2235	325.6133
6196													



1257	SHARPIN	2325.71	1.072026	0.107387	9.982801	1.81E-23	3.83E-22	1479.896	1478.012	1543.828	3243.281	2804.374	3404.87
1785	CDKN2C	850.9707	1.07177	0.126138	8.496779	1.95E-17	2.90E-16	516.0662	614.1961	515.5369	1156.242	1138.007	1165.776
18991	LOC119620	8.963725	1.071767	0.903145	1.186705	0.235344	0.329458	7.589209	4.379295	4.87012	20.08914	12.83466	4.019918
6078	LOC119620	234.9434	1.071691	0.259295	4.133089	3.58E-05	0.000157	170.7572	100.1764	185.7603	294.6408	267.3888	390.937
23075	CUNH9orf1	1.824686	1.071569	1.94759	0.550202	0.582181	0.670738	0	2.737059	0.695731	2.232127	4.278221	1.004979
2214	PGR	461.6442	1.071532	0.141385	7.578849	3.49E-14	4.19E-13	282.9691	321.3307	288.7285	633.9241	611.7857	631.1271
17061	LOC119620	12.59559	1.071175	0.720886	1.485916	0.137301	0.213948	5.420864	9.306001	9.740239	22.32127	10.69555	18.08963
3336	TAB2	2480.41	1.070425	0.178211	6.006493	1.90E-09	1.51E-08	1331.906	2197.858	1270.405	3267.834	3390.49	3423.965
1441	YTHDF3	2968.549	1.069898	0.113825	9.399462	5.48E-21	1.01E-19	1790.511	2196.216	1760.896	3924.079	3965.911	4173.68
4645	CUNH9orf1	163.6384	1.069583	0.217391	4.920088	8.65E-07	4.95E-06	95.94929	105.1031	114.7957	245.534	222.4675	197.981
22422	LOC103230	2.097146	1.069318	1.638229	0.652728	0.513931	0.609351	1.084173	2.189647	0.695731	4.464254	2.139111	2.009959
20211	USP50	6.033523	1.06912	1.074549	0.994948	0.319762	0.420606	1.626259	4.926706	4.87012	8.928508	12.83466	3.014938
17169	LOC119620	11.80323	1.069112	0.726371	1.471854	0.14106	0.218422	8.673382	7.663765	6.261582	22.32127	12.83466	13.06473
5139	LOC119620	197.2053	1.068824	0.23197	4.607589	4.07E-06	2.11E-05	105.1648	159.8442	117.5786	225.4448	288.7799	286.4191
1048	GNS	13435.17	1.068204	0.099076	10.78166	4.20E-27	1.07E-25	8911.9	8719.723	8404.435	17379.34	16866.89	20328.72
22677	LOC119620	2.336293	1.068186	1.750084	0.610362	0.541622	0.634821	1.626259	2.737059	0	2.232127	6.417332	1.004979
15107	RTBDN	18.25945	1.068168	0.589319	1.812545	0.069902	0.123012	13.55216	8.758589	13.2189	20.08914	27.80844	26.12947
16914	ANXA13	12.5582	1.067165	0.709538	1.504029	0.132574	0.208376	5.420864	10.40082	8.348776	17.85702	19.252	14.06971
23101	LOC103240	1.552759	1.067007	1.959914	0.544415	0.586156	0.674557	0.542086	1.094824	1.391463	0	4.278221	2.009959
11003	METTL27	45.14455	1.066667	0.405796	2.628577	0.008574	0.020717	27.10432	27.37059	32.69937	46.87467	85.56443	51.25395
24159	LOC119620	1.039377	1.066416	2.797121	0.381255	0.703014	0.773634	0	0	2.087194	0	2.139111	2.009959
17862	SERPINF1	13.11327	1.066401	0.779933	1.367297	0.171532	0.255301	5.96295	14.78012	4.174388	22.32127	21.39111	10.04979
18923	CD200	7.844668	1.066294	0.888951	1.199498	0.230335	0.323564	4.336691	3.831883	6.957314	8.928508	14.97377	8.039836
2786	HCN2	843.89	1.065773	0.158532	6.722752	1.78E-11	1.70E-10	607.1367	450.5199	582.3272	1145.081	981.8518	1296.424
15975	BAALC	17.87196	1.065674	0.638438	1.669189	0.09508	0.158219	10.29964	9.853413	13.91463	29.01765	32.08666	12.05975
22894	LOC119620	2.083418	1.065354	1.836496	0.580101	0.561846	0.652428	0	3.284471	0.695731	2.232127	4.278221	2.009959
19275	KCNB1	8.407159	1.065237	0.934416	1.140003	0.254285	0.350722	2.168345	4.926706	9.044508	11.16063	17.11289	6.029877
4156	FERMT3	410.896	1.06486	0.202713	5.253043	1.50E-07	9.57E-07	314.9522	187.7623	295.6858	560.2639	519.8039	586.908
1503	MXRA8	1320.909	1.064454	0.115128	9.2458	2.33E-20	4.13E-19	885.7691	832.6134	848.7923	1796.862	1610.75	1950.665
14082	LOC103230	24.8099	1.06338	0.532258	1.997864	0.045731	0.086335	10.84173	21.89647	15.30609	29.01765	40.6431	31.15436
22800	TRNAI-GAL	2.593024	1.062735	1.793475	0.592556	0.553478	0.64536	0	1.642235	3.478657	0	6.417332	4.019918
19520	LOC103230	8.959344	1.06258	0.9679	1.09782	0.272283	0.370832	1.626259	7.116354	8.348776	13.39276	19.252	4.019918
2760	CNIH3	362.0623	1.062484	0.157205	6.758602	1.39E-11	1.34E-10	235.8076	227.1759	242.8102	450.8897	477.0217	538.669
2061	SOAHHC	681.6066	1.062292	0.134973	7.870418	3.53E-15	4.56E-14	446.1371	459.8259	420.9175	816.9585	934.7914	1011.009
12878	GJC2	33.91403	1.061981	0.477791	2.222688	0.026237	0.054163	25.47806	15.32753	25.04633	31.24978	64.17332	42.20914
18808	LOC119620	7.596101	1.061362	0.872539	1.216406	0.22383	0.316383	4.878777	4.926706	4.87012	11.16063	10.69555	9.044815
11133	LOC119620	40.88247	1.06127	0.408858	2.595693	0.00944	0.022542	30.89892	20.25424	28.52499	60.26743	47.06043	58.28881
1192	GULP1	3478.286	1.061017	0.10434	10.1688	2.73E-24	6.09E-23	2140.699	2435.435	2181.814	4685.235	5073.971	4352.566
18332	FOX51	9.693185	1.060981	0.830235	1.277928	0.201275	0.291888	4.336691	6.568942	8.348776	13.39276	6.417332	19.09461
2492	LMTK3	470.671	1.060882	0.148533	7.142392	9.17E-13	9.78E-12	300.8579	279.7274	333.9511	691.9594	607.5074	610.0225
17679	LOC119620	12.63248	1.060512	0.763358	1.389273	0.16475	0.247744	8.131296	10.94824	4.87012	24.5534	19.252	8.039836
22565	LOC103240	2.082531	1.060329	1.681953	0.630415	0.528423	0.622563	0.542086	2.737059	0.695731	2.232127	4.278221	2.009959
4052	PFN4	191.2914	1.060163	0.198866	5.331043	9.77E-08	6.41E-07	122.5115	126.4521	124.5359	232.1412	256.6933	285.4142
2682	APC2	857.1152	1.059999	0.1546	6.856392	7.06E-12	7.00E-11	574.6116	462.0156	633.1155	1207.581	1001.104	1264.264
1993	YADAM	1205.485	1.059989	0.13235	8.008988	1.16E-15	1.54E-14	699.2914	910.3458	736.0838	1540.168	1638.559	1708.465
1275	PCYOX1	6372.431	1.05896	0.106757	9.919373	3.43E-23	7.15E-22	4026.075	4607.565	3768.777	8348.155	8229.159	9254.856
5529	LOC119620	119.1126	1.058779	0.240613	4.400345	1.08E-05	5.20E-05	85.10756	74.99542	71.66033	162.9453	156.1551	163.8117
14659	LOC103210	22.92751	1.057714	0.557899	1.895889	0.057975	0.10514	13.01007	19.70683	11.82743	20.08914	42.78221	30.14938
19954	CDH22	7.599285	1.057279	1.019439	1.037118	0.299681	0.399269	2.710432	8.211177	3.478657	8.928508	19.252	3.014938
1319	ACSL4	10116.28	1.056773	0.107814	9.801833	1.11E-22	2.23E-21	6157.559	7559.757	5986.768	13633.83	13752.34	13607.42
1931	LOC103230	1635.758	1.056718	0.129944	8.132085	4.22E-16	5.81E-15	1190.422	920.7467	1078.384	2162.931	2030.016	2432.05
22598	LOC119620	2.32221	1.056499	1.691238	0.62469	0.532175	0.626067	2.710432	1.094824	0.695731	0	6.417332	3.014938
14000	LOC119620	23.49413	1.056199	0.525123	2.011335	0.04429	0.084069	18.97302	13.6853	13.2189	24.5534	36.36488	34.1693
1286	SHPRH	1894.719	1.056102	0.106736	9.894497	4.40E-23	9.09E-22	1214.273	1345.538	1131.955	2571.41	2494.203	2610.937
14827	KRT17	22.02362	1.056074	0.565577	1.86725	0.061867	0.110928	13.01007	15.32753	13.91463	29.01765	42.78221	18.08963
6626	CYP3A166	93.60413	1.056042	0.271392	3.891203	9.97E-05	0.0004	65.59245	55.28859	61.92009	133.9276	111.2338	133.6623
20493	LOC103220	8.575307	1.055455	1.113201	0.948126	0.343065	0.445049	6.505036	7.116354	2.782925	29.01765	0	6.029877
27039	TRNAR-UC	0.541296	1.055073	3.520958	0.299655	0.76444	NA	0.542086	0	0.695731	0	0	2.009959
20963	LOC119620	4.209011	1.055065	1.193508	0.884004	0.376694	0.477707	2.710432	2.189647	3.478657	6.696381	2.139111	8.039836
1135	SYNJ2	5254.836	1.054105	0.101583	10.37676	3.16E-25	7.41E-24	3277.996	3772.762	3199.669	7053.521	6751.033	7474.032
14186	LOC103220	35.53242	1.054027	0.532483	1.979455	0.047765	0.089513	37.40396	13.6853	18.08902	66.96381	27.80844	49.24399
2627	MMP19	409.3427	1.053469	0.151919	6.934425	4.08E-12	4.13E-11	262.3698	283.5593	254.6377	517.8535	532.6386	604.9976
16264	LOC103230	15.71503	1.053303	0.652327	1.614685	0.106379	0.173886	13.01007	10.94824	6.261582	22.32127	25.66933	16.07967
20785	LOC103220	4.950486	1.052992	1.16156	0.906532	0.364654	0.466388	3.794605	1.642235	4.174388	2.232127	12.83466	5.024897
3949	TCF7	264.8203	1.052466	0.194565	5.40934	6.33E-08	4.26E-07	146.9054	205.8268	164.1926	332.5869	378.6226	360.7876
22317	LOC119610	2.904286	1.05246	1.565519	0.672275	0.501408	0.597273	0	2.189647	3.478657	4.464254	4.278221	3.014938
2167	IL27RA	1352.084	1.051873	0.137256	7.6636	1.81E-14	2.22E-13	995.2706	756.5231	891.2319	1772.309	1662.089	2035.083
23517	FCGR1A	1.603514	1.051751	2.188882	0.480497	0.630874	0.713147	1.626259	0	1.391463	4.464254	2.139111	0
18141	LOC119620	10.8262	1.051625	0.80015	1.314284	0.18875	0.276602	4.336691	5.474118	11.1317	17.85702	17.11289	9.044815
4848	TMEM145	155.7585	1.051408	0.219841	4.782585	1.73E-06	9.49E-06	97.03346	111.				



17068	LOC103231	12.34996	1.050505	0.707461	1.484895	0.137572	0.214288	5.96295	9.306001	9.044508	17.85702	12.83466	19.09461
1181	LOC119621	1719.398	1.050133	0.102742	10.22111	1.60E-24	3.59E-23	1175.243	1116.173	1067.948	2194.181	2434.308	2328.537
20159	LOC119621	6.303433	1.049976	1.047963	1.001921	0.316382	0.417234	4.336691	1.094824	6.957314	6.696381	10.69555	8.039836
8257	LOC119618	77.1901	1.049888	0.315572	3.326942	0.000878	0.002827	60.71367	37.224	52.87558	107.1421	102.6773	102.5079
26849	LOC119621	0.542184	1.049707	3.519114	0.298287	0.765484	NA	0	0.547412	0.695731	0	0	2.009959
21508	LOC119621	3.68782	1.04904	1.307232	0.80249	0.42227	0.521947	1.084173	3.831883	2.087194	6.696381	6.417332	2.009959
1205	RHOBTB2	2407.245	1.048899	0.103531	10.13126	4.01E-24	8.86E-23	1493.99	1700.261	1514.607	3189.709	3103.85	3441.05
2420	ROGDI	490.1162	1.048798	0.144811	7.242553	4.40E-13	4.84E-12	314.4101	343.2272	302.6431	613.8349	646.0114	720.5703
16229	HHIPL1	25.18577	1.048196	0.646406	1.621575	0.104894	0.171835	19.51511	8.758589	20.17621	42.41041	49.19955	11.05477
19069	CA4	9.000099	1.048164	0.892501	1.174412	0.24023	0.334916	3.252518	4.379295	9.740239	15.62489	14.97377	6.029877
21936	TRNAC-GC	3.482151	1.047968	1.42027	0.737865	0.460596	0.558213	2.710432	1.094824	2.782925	11.16063	2.139111	1.004979
6458	FLT3LG	116.527	1.047679	0.26475	3.957235	7.58E-05	0.000312	61.79785	73.90059	91.83654	162.9453	168.9897	139.6921
15177	STAP2	21.9801	1.047498	0.581659	1.80088	0.071722	0.125639	14.09425	9.853413	18.78475	44.64254	21.39111	23.11453
16850	DEFB110	14.18752	1.04679	0.690801	1.515327	0.12969	0.204617	14.09425	7.116354	6.261582	22.32127	19.252	16.07967
1464	BCL9L	2783.372	1.046709	0.112108	9.336591	9.95E-21	1.81E-19	1669.626	2045.131	1734.458	3718.724	3561.619	3970.674
15209	GFI1	24.07323	1.046562	0.583066	1.794928	0.072665	0.127017	9.215468	13.6853	24.3506	44.64254	21.39111	31.15436
17308	SLC26A9	14.24409	1.04619	0.722714	1.447586	0.147733	0.226917	4.878777	14.23271	8.348776	24.5534	21.39111	12.05975
1346	CHMP7	1970.158	1.045907	0.107523	9.72728	2.31E-22	4.56E-21	1312.391	1323.094	1224.487	2694.177	2408.639	2858.162
1489	CYHR1	2834.36	1.045736	0.112743	9.275362	1.77E-20	3.16E-19	1875.619	1724.347	1955.005	3738.813	3448.246	4264.128
21828	LOC103231	3.405892	1.044803	1.382092	0.755958	0.449675	0.547742	2.168345	0.547412	4.174388	2.232127	4.278221	7.034856
2557	RNASL	506.5882	1.044735	0.148487	7.035874	1.98E-12	2.06E-11	312.7838	373.3349	307.5133	660.7096	654.5679	730.6201
3996	SH3RF2	236.852	1.0447	0.194278	5.377345	7.56E-08	5.03E-07	143.1108	179.5511	139.842	332.5869	331.5622	294.459
17929	LOC103211	19.22241	1.04385	0.770283	1.355153	0.175369	0.260036	14.63633	7.663765	14.61036	40.17829	34.22577	4.019918
2878	TSTD1	887.0594	1.04379	0.158655	6.578974	4.74E-11	4.38E-10	657.5508	447.7829	633.1155	1151.778	1266.354	1165.776
14144	LOC119621	23.68994	1.04364	0.525325	1.986658	0.04696	0.088266	15.17842	15.32753	15.30609	35.71403	38.50399	22.10955
15294	LOC103241	17.57181	1.042844	0.585872	1.779988	0.075078	0.130505	12.46799	10.94824	11.1317	20.08914	25.66933	25.12449
12114	LOC103211	38.6251	1.042716	0.437513	2.383278	0.017159	0.037657	19.51511	21.34906	35.4823	44.64254	53.47777	57.28383
13950	LOC103231	28.94446	1.042475	0.515563	2.022015	0.043175	0.08228	20.59928	10.94824	25.04633	35.71403	49.19955	32.15934
9480	LOC119621	83.98539	1.042371	0.348668	2.989584	0.002794	0.007834	75.35001	43.24553	45.22254	93.74933	151.8769	94.46807
20278	DLX2	5.47989	1.041953	1.059757	0.9832	0.325509	0.426751	3.252518	5.474118	2.087194	4.464254	8.556443	9.044815
1620	DGKG	1497.392	1.04187	0.116744	8.924369	4.48E-19	7.36E-18	932.3886	1098.656	906.538	2042.396	1923.06	2081.312
1882	ZFP41	690.8471	1.041862	0.12662	8.228277	1.90E-16	2.68E-15	440.1741	449.4251	466.14	993.2965	851.366	944.6807
20519	LOC103211	5.563427	1.041798	1.105204	0.94263	0.34587	0.447515	3.252518	5.474118	2.087194	13.39276	2.139111	7.034856
6118	DNAJC22	128.3203	1.041686	0.253392	4.110961	3.94E-05	0.000171	92.69677	67.33165	91.14081	165.1774	196.7982	156.7768
16358	LOC119621	18.32529	1.04121	0.652722	1.595182	0.110671	0.179863	13.55216	15.87494	6.957314	24.5534	12.83466	36.17926
1295	HMGA2	1661.155	1.041166	0.105472	9.87145	5.54E-23	1.14E-21	1100.977	1138.617	1018.551	2129.449	2374.413	2204.925
19731	LOC119624	9.438629	1.040796	0.978369	1.063807	0.287416	0.387257	2.168345	7.116354	9.044508	4.464254	27.80844	6.029877
22966	LOC103221	2.614549	1.040408	1.828429	0.569017	0.569344	0.659062	0	1.642235	3.478657	0	8.556443	2.009959
2082	SLC27A1	785.7456	1.040153	0.132943	7.824029	5.12E-15	6.53E-14	487.8777	476.2483	580.9357	1055.796	1001.104	1112.512
14346	LOC119618	25.01293	1.040051	0.532482	1.953212	0.050795	0.094129	16.80468	14.23271	17.39328	33.4819	47.06043	21.10457
20314	C2CD4D	6.082085	1.039288	1.065043	0.975818	0.329155	0.430766	2.168345	3.284471	6.261582	8.928508	12.83466	3.014938
19049	CUNH19or	9.537845	1.039233	0.882573	1.177504	0.238995	0.333526	5.96295	2.189647	10.43597	15.62489	14.97377	8.039836
1645	PCBP4	1574.237	1.038766	0.117166	8.865742	7.60E-19	1.23E-17	1075.499	932.7897	1088.124	2051.325	1987.234	2310.448
14447	NANOS3	25.30611	1.0385	0.536745	1.93481	0.053014	0.097554	14.09425	10.94824	25.04633	33.4819	32.08666	36.17926
17440	LOC119611	13.19577	1.03825	0.731185	1.419955	0.155621	0.237224	9.215468	7.116354	9.044508	20.08914	25.66933	8.039836
4085	LOC103221	243.2469	1.037463	0.19548	5.307259	1.11E-07	7.24E-07	136.0637	184.4778	157.2353	308.0335	355.0924	318.5785
1850	HOOK3	926.5159	1.037067	0.125008	8.296008	1.08E-16	1.55E-15	569.1907	668.9372	583.0229	1167.402	1328.388	1242.155
1540	SPRYD3	2099.675	1.037064	0.11371	9.120251	7.50E-20	1.29E-18	1408.882	1470.348	1251.621	2691.945	2673.888	3101.367
2667	DPP4	749.1107	1.037058	0.150813	6.876452	6.14E-12	6.12E-11	461.3155	587.3729	424.3961	966.511	996.8256	1058.243
15718	LYMNTD1	18.16672	1.036882	0.604558	1.715108	0.086325	0.146009	9.215468	14.23271	11.82743	24.5534	32.08666	17.08465
843	CYBRD1	6380.188	1.036686	0.087757	11.81319	3.34E-32	1.05E-30	4157.26	4353.566	4037.329	8366.012	8321.14	9045.82
5466	DBNDD1	147.54	1.036349	0.233852	4.431648	9.35E-06	4.55E-05	98.65972	90.32295	102.9682	196.4272	164.7115	232.1503
1175	SNTB1	2354.586	1.036205	0.101047	10.2547	1.13E-24	2.55E-23	1529.768	1655.373	1447.121	3035.693	3155.188	3304.372
1314	LOC103221	2551.723	1.035967	0.105602	9.810089	1.02E-22	2.06E-21	1769.37	1588.589	1665.581	3278.995	3247.17	3760.633
21847	LOC119621	3.645926	1.035692	1.375179	0.753133	0.45137	0.54926	2.168345	1.642235	3.478657	0	8.556443	6.029877
875	NPTN	6886.419	1.035281	0.088864	11.65018	2.29E-31	6.96E-30	4659.774	4528.738	4364.323	9120.471	8802.44	9842.769
18998	NHLH1	8.480718	1.034817	0.87277	1.18567	0.235753	0.329902	6.505036	4.926706	4.87012	17.85702	10.69555	6.029877
6572	EGR2	123.4589	1.034557	0.264487	3.911567	9.17E-05	0.000371	71.5554	100.7238	69.57314	189.7308	160.4333	148.737
1957	KCTD9	2414.686	1.034331	0.128116	8.073399	6.84E-16	9.29E-15	1419.182	1888.571	1445.73	3129.442	3253.587	3351.607
23874	LOC119621	1.572509	1.034327	2.425139	0.426502	0.669742	0.745794	1.626259	0	1.391463	0	6.417332	0
12447	KCNH2	72.66747	1.034206	0.447438	2.311397	0.020811	0.044449	34.69353	46.53	60.52863	93.74933	158.2942	42.20914
2460	SMIM10L2	496.9297	1.033344	0.14388	7.182008	6.87E-13	7.42E-12	342.0565	309.8351	328.3852	691.9594	596.8119	712.5304
2072	FICD	546.8462	1.033333	0.131667	7.848111	4.22E-15	5.42E-14	368.0766	338.3005	371.5206	718.7449	733.715	750.7197
17457	LOC119621	11.589	1.032711	0.728372	1.417833	0.156239	0.237935	5.96295	7.116354	9.740239	13.39276	19.252	14.06971
14557	SH2D3C	22.34394	1.032403	0.53922	1.914623	0.055541	0.101432	12.46799	14.23271	17.39328	22.32127	38.50399	29.1444
11037	LOC103221	49.74653	1.031689	0.393617	2.621045	0.008766	0.021117	40.11439	24.08612	33.39511	58.0353	85.56443	57.28383
1147	KRT18	5388.869	1.030984	0.099873	10.32293	5.55E-25	1.29E-23	3656.915	3482.634	3489.789	7055.753	6650.495	7997.627
24281	LOC119621	1.076405	1.030927	2.825296	0.364892	0.715192	0.783056	0	0	2.087194	2.232127	2.139111	0
8791	CORO1A	62.55422	1.03004	0.324326	3.175941	0.001494	0.004517	41.74065	36.12918	45.22254	89.28508	85.56443	77.38342
5949	RNF207	150.3814	1.030039	0.246089	4.185637	2.84E-05	0.000127	113.8381	83.75401	98.09812	178.5702	248.1368	179.8913



13782	MAMDC4	25.34427	1.028204	0.501375	2.050766	0.04029	0.077718	20.0572	13.6853	16.00182	37.94616	34.22577	30.14938
13368	LOC119621	31.14153	1.027809	0.481903	2.132811	0.03294	0.065508	20.0572	15.32753	25.74206	37.94616	55.61688	32.15934
18012	TLCD3B	17.30399	1.02688	0.765683	1.341128	0.179879	0.265488	9.757555	2.737059	21.56767	29.01765	25.66933	15.07469
13833	LOC103241	28.2838	1.026812	0.502535	2.043265	0.041026	0.078841	18.97302	18.612	17.39328	42.41041	49.19955	23.11453
13843	LOC103221	25.77157	1.026494	0.502825	2.041452	0.041206	0.07914	14.63633	20.25424	16.00182	26.78552	42.78221	34.1693
19154	LOC119621	9.827911	1.026381	0.885059	1.159675	0.246181	0.34169	8.673382	1.642235	9.044508	17.85702	10.69555	11.05477
9562	ROM1	63.69038	1.026329	0.34571	2.968756	0.00299	0.008313	47.7036	48.71965	29.22072	80.35657	87.70354	88.43819
3372	ATP1A3	313.2519	1.026294	0.172031	5.965747	2.44E-09	1.92E-08	185.9356	229.3656	205.2408	399.5507	402.1528	457.2657
2450	SLCO2A1	767.4566	1.026254	0.142586	7.197443	6.14E-13	6.66E-12	460.2313	587.3729	470.3144	991.0644	988.2691	1107.487
2008	RAB13	4210.481	1.026168	0.1289	7.960994	1.71E-15	2.26E-14	2540.217	3351.803	2427.407	5462.015	5668.643	5812.801
11958	SLC7A7	48.56411	1.025981	0.425194	2.41297	0.015823	0.035178	21.68345	31.74989	41.74388	78.12444	74.86887	43.21412
17863	LOC103211	10.79019	1.025899	0.750363	1.367204	0.171561	0.25533	7.589209	6.02153	7.653045	11.16063	19.252	13.06473
17724	LOC119611	11.34652	1.025806	0.743331	1.380012	0.167583	0.251365	7.589209	9.853413	4.87012	17.85702	12.83466	15.07469
1226	WASHC5	6880.945	1.025695	0.101788	10.07681	7.00E-24	1.52E-22	4419.088	5046.042	4134.732	9078.06	9014.212	9593.534
2957	LOC119621	1529.848	1.024964	0.158118	6.482292	9.03E-11	8.12E-10	770.8468	1215.802	1036.64	2209.806	2021.46	1924.536
14035	LOC119621	25.60406	1.024631	0.510544	2.006939	0.044756	0.084771	21.14137	13.6853	15.30609	35.71403	40.6431	27.13445
22795	LOC119611	1.863134	1.024382	1.725676	0.593612	0.552772	0.644678	1.084173	1.094824	1.391463	4.464254	2.139111	1.004979
16082	LOC103241	16.84002	1.024275	0.620479	1.65078	0.098783	0.163298	9.757555	10.94824	12.52316	15.62489	32.08666	20.09959
1137	TNS1	6733.688	1.024083	0.098773	10.36809	3.46E-25	8.10E-24	4197.375	4788.759	4335.798	8812.437	8526.495	9741.266
19103	LOC119621	8.443488	1.02365	0.87516	1.169672	0.242133	0.336989	7.589209	6.02153	2.782925	13.39276	12.83466	8.039836
15665	PTX4	22.2315	1.02308	0.593892	1.722671	0.084948	0.144165	14.63633	7.116354	22.2634	29.01765	34.22577	26.12947
2201	LOC119621	1202.652	1.022512	0.134491	7.602822	2.90E-14	3.50E-13	870.0486	694.6656	818.8758	1618.292	1433.204	1780.824
15736	CASP10	18.57865	1.022277	0.596985	1.7124	0.086823	0.146682	10.29964	9.853413	16.69755	31.24978	19.252	24.11951
12412	CFAP91	34.81505	1.022238	0.440992	2.31804	0.020447	0.034795	20.59928	23.53871	24.3506	40.17829	62.03421	38.18922
16070	LOC103221	19.3346	1.021552	0.618133	1.652642	0.098404	0.162762	14.63633	10.40082	12.52316	29.01765	36.36488	13.06473
20281	LOC119621	6.125728	1.021465	1.039684	0.982476	0.325865	0.427155	4.878777	2.737059	4.174388	13.39276	8.556443	3.014938
1934	PHF20L1	5516.718	1.021373	0.125641	8.129281	4.32E-16	5.94E-15	3274.744	4353.019	3298.462	7095.932	7198.107	7880.044
2538	CIB1	3935.924	1.021293	0.144492	7.068158	1.57E-12	1.64E-11	3002.074	2059.911	2736.311	4984.34	4864.338	5968.573
15248	LOC103231	18.7623	1.020529	0.570454	1.788976	0.073619	0.128355	13.55216	11.49565	11.82743	26.78552	27.80844	21.10457
17685	LOC103241	15.08674	1.020321	0.73526	1.387701	0.165228	0.248379	3.794605	15.32753	10.43597	20.08914	27.80844	13.06473
986	MRPL13	3149.015	1.020087	0.09219	11.06509	1.85E-28	5.00E-27	2133.652	1961.377	2144.94	4343.719	4098.536	4211.869
18413	LOC103221	11.11056	1.020074	0.807581	1.263124	0.206545	0.298213	4.878777	12.59047	4.174388	17.85702	17.11289	10.04979
922	MLF1	3137.664	1.019993	0.0896	11.38386	5.03E-30	1.45E-28	2058.844	2029.256	2126.851	4292.38	4301.752	4016.903
18273	SLC6A11	13.55929	1.019367	0.790636	1.2893	0.197294	0.287039	6.505036	12.04306	7.653045	22.32127	27.80844	5.024897
14321	LOC119621	26.7787	1.018688	0.520308	1.957855	0.050247	0.093283	19.51511	15.32753	17.39328	42.41041	44.92132	21.10457
21054	LOC119621	4.793253	1.018094	1.167221	0.872237	0.383079	0.483716	3.252518	3.831883	2.087194	11.16063	6.417332	2.009959
15287	LAG3	22.30844	1.017513	0.570925	1.782217	0.074714	0.129938	15.7205	9.306001	18.78475	35.71403	34.22577	20.09959
1958	MAPRE2	975.9606	1.017468	0.126038	8.07272	6.87E-16	9.33E-15	602.8	720.9414	614.3308	1274.545	1249.241	1393.907
18826	LOC119621	9.996174	1.01738	0.837709	1.21448	0.224565	0.317117	4.336691	10.40082	4.87012	8.928508	21.39111	10.04979
16040	LOC119621	20.41704	1.017021	0.613422	1.657947	0.097328	0.161306	15.7205	14.78012	10.43597	11.16063	34.22577	36.17926
14480	LOC119621	24.62514	1.016685	0.52701	1.929156	0.053712	0.098613	15.17842	16.96977	16.00182	35.71403	42.78221	21.10457
17540	MYRFL	14.2751	1.016002	0.720533	1.410069	0.158519	0.240264	6.505036	10.94824	10.43597	15.62489	32.08666	10.04979
20635	LOC119621	5.278469	1.015757	1.092128	0.930071	0.352334	0.453935	5.96295	1.642235	2.782925	6.696381	8.556443	6.029877
2100	IRAK2	727.971	1.014999	0.130211	7.79503	6.44E-15	8.15E-14	510.6454	452.7096	485.6205	926.3327	926.2349	1066.283
16174	LOC119621	17.80586	1.014289	0.621632	1.631654	0.102752	0.168893	10.84173	12.04306	11.82743	31.24978	27.80844	13.06473
2360	IQSEC2	497.0576	1.014029	0.138415	7.326016	2.37E-13	2.67E-12	313.3259	322.973	351.3443	642.8526	701.6283	650.2217
4350	KKR6	209.9427	1.01384	0.198061	5.118828	3.07E-07	1.88E-06	134.9795	126.9995	154.4524	276.7837	310.171	256.2698
20755	LOC103211	5.04234	1.013569	1.113069	0.910607	0.362503	0.464437	1.626259	5.474118	2.782925	8.928508	6.417332	5.024897
9656	LOC103221	72.77118	1.013071	0.344	2.94497	0.00323	0.008892	54.20864	31.20247	59.8329	93.74933	94.12087	103.5129
24556	LOC119621	1.060903	1.012889	3.140946	0.322479	0.74709	0.80882	0	0	2.087194	0	4.278221	0
5002	ARHGAP28	198.0148	1.012735	0.216082	4.686806	2.78E-06	1.47E-05	127.9324	156.5598	109.9256	245.534	256.6933	291.444
1322	LAMB2	9092.437	1.012445	0.103402	9.791332	1.23E-22	2.47E-21	6065.404	5866.065	6155.831	11566.88	11153.32	13747.11
1053	LOC119621	3492.193	1.012333	0.094365	10.72784	7.53E-27	1.90E-25	2337.476	2251.505	2359.225	4738.806	4331.699	4934.449
1480	GPAT4	2457.83	1.011844	0.108779	9.301851	1.38E-20	2.48E-19	1604.576	1703.546	1585.572	3171.852	3018.285	3663.15
17636	LOC119611	14.12032	1.011073	0.721941	1.400492	0.161366	0.243248	7.589209	13.6853	6.261582	29.01765	17.11289	11.05477
14678	LOC119621	22.25682	1.010987	0.534084	1.892936	0.058366	0.105714	18.43094	12.59047	13.2189	33.4819	25.66933	30.14938
12570	LOC119621	38.33925	1.010596	0.441439	2.289319	0.022061	0.046648	31.44101	16.96977	28.52499	46.87467	44.92132	61.30375
1416	VCL	10948.82	1.010401	0.106616	9.476991	2.62E-21	4.91E-20	7109.463	8038.742	6647.713	14151.69	13748.06	15997.26
19035	LOC103231	12.52963	1.009748	0.856662	1.1787	0.238517	0.333128	1.626259	12.59047	10.43597	20.08914	21.39111	9.044815
1955	EXTL3	1483.213	1.00967	0.124935	8.081552	6.39E-16	8.70E-15	1045.143	921.2941	991.4172	1930.79	1760.488	2250.149
22252	LOC103211	3.47906	1.009655	1.47689	0.683636	0.494205	0.590439	2.710432	0	4.174388	6.696381	4.278221	3.014938
18429	LOC103231	9.26304	1.00953	0.801109	1.260166	0.20761	0.29949	6.505036	4.926706	6.957314	11.16063	14.97377	11.05477
1542	TMCC3	1030.697	1.009463	0.110723	9.117039	7.72E-20	1.33E-18	679.2342	719.2991	654.6832	1374.99	1336.944	1419.031
20071	LOC103231	6.11394	1.009315	0.992212	1.017237	0.309041	0.409339	3.794605	4.926706	3.478657	11.16063	4.278221	9.044815
2132	ILDR2	1021.394	1.009235	0.130553	7.730454	1.07E-14	1.34E-13	623.9414	766.924	645.6387	1305.794	1302.718	1483.35
19051	CNTD1	10.28566	1.00899	0.857243	1.177017	0.239189	0.33378	7.047123	5.474118	7.653045	6.696381	27.80844	7.034856
1728	LOC103241	1280.707	1.00861	0.116648	8.64664	5.30E-18	8.16E-17	846.1968	897.7554	809.1356	1531.239	1798.992	1800.923
4478	CCDC160	220.2143	1.008389	0.200694	5.024512	5.05E-07	3.00E-06	135.5216	164.771	136.3633	319.1942	310.171	255.2648
2688	CBX7	540.8849	1.007902	0.147153	6.849357	7.42E-12	7.34E-11	400.0597	316.9514	361.7803	738.834	675.959	751.7246
12474	LOC119621	40.33248	1.007898	0.437162	2.305546	0.021136	0						



8957	LOC103245	69.08487	1.004319	0.320956	3.129148	0.001753	0.005203	41.74065	43.79295	51.48412	100.4457	102.6773	74.36848
17856	LOC119625	13.73221	1.004162	0.733962	1.368139	0.171269	0.254994	11.38381	12.59047	3.478657	17.85702	14.97377	22.10955
20005	THSD8	7.227018	1.003671	0.975239	1.029154	0.303407	0.403204	5.96295	2.189647	6.261582	15.62489	4.278221	9.044815
3139	KCNQ1	357.4757	1.003653	0.161029	6.232745	4.58E-10	3.88E-09	236.3497	221.1544	258.1163	486.6037	432.1004	510.5296
6509	LOC103245	123.4407	1.003596	0.254947	3.936489	8.27E-05	0.000338	81.31296	74.99542	89.74935	140.624	203.2155	150.7469
1347	RTL8C	4811.961	1.003313	0.103165	9.725305	2.35E-22	4.64E-21	2938.108	3507.815	3166.273	6361.562	6077.213	6820.796
1348	LOC103235	4811.961	1.003313	0.103165	9.725305	2.35E-22	4.64E-21	2938.108	3507.815	3166.273	6361.562	6077.213	6820.796
18643	MFAP5	9.810255	1.002065	0.811646	1.234608	0.216976	0.309867	7.047123	6.568942	5.565851	13.39276	19.252	7.034856
5453	CCDC103	142.4188	1.001884	0.225735	4.438325	9.07E-06	4.42E-05	92.15468	105.1031	87.66215	194.195	175.4071	199.9909
3461	FRY	398.7336	1.001783	0.169945	5.894739	3.75E-09	2.88E-08	245.023	312.5721	237.2444	542.4069	564.7252	490.43
20113	LOC119625	5.824203	1.000958	0.990362	1.010699	0.31216	0.412607	3.794605	4.379295	3.478657	6.696381	8.556443	8.039836
13874	LOC103245	31.97805	1.000441	0.491557	2.035248	0.041826	0.080146	19.51511	19.15941	24.3506	49.10679	55.61688	24.11951
1560	SLC4A4	9423.793	1.000423	0.110404	9.061462	1.29E-19	2.19E-18	5987.344	7163.431	5695.257	12127.15	12115.92	13453.66
22405	LOC119625	2.965147	1.000202	1.52464	0.656025	0.511808	0.607294	0.542086	1.094824	4.174388	6.696381	4.278221	1.004979
6560	IKZF4	139.9887	0.998517	0.254975	3.916141	9.00E-05	0.000365	80.22878	95.79707	102.9682	171.8738	235.3022	153.7619
2036	LOC103245	792.0275	0.998377	0.126403	7.898397	2.83E-15	3.69E-14	527.9921	481.7224	576.7613	1082.582	1011.799	1071.308
9802	LOC119615	93.52814	0.998266	0.343706	2.90442	0.003679	0.009979	81.85504	36.67659	68.87741	102.6778	145.4595	125.6224
2166	SEC11C	3378.8	0.998041	0.13022	7.664289	1.80E-14	2.21E-13	1981.868	2594.185	2183.205	4881.662	4712.461	3919.42
3445	PELI3	305.4675	0.99778	0.168974	5.904916	3.53E-09	2.72E-08	212.4979	194.3312	206.6322	408.4792	363.6488	447.2159
7121	DEFB112	141.9469	0.997343	0.270326	3.689412	0.000225	0.000839	94.86511	117.1461	70.26887	220.9806	194.6591	153.7619
10338	LOC119625	62.19161	0.997126	0.358681	2.779983	0.005436	0.01398	49.32986	31.74989	43.83108	60.26743	100.5382	87.43321
6978	LOC103225	99.55996	0.996857	0.266338	3.742823	0.000182	0.000693	74.80792	59.12048	66.09448	131.6955	121.9293	143.7121
22783	STMND1	2.710723	0.996549	1.674166	0.595251	0.551676	0.64371	2.710432	1.094824	1.391463	8.928508	2.139111	0
1582	CLDN1	19659.25	0.996152	0.11031	9.030488	1.71E-19	2.87E-18	12058.71	15250.35	12079.98	25622.59	25908.91	27034.95
1292	MPC2	3815.373	0.995077	0.100709	9.880734	5.05E-23	1.04E-21	2565.153	2305.699	2778.055	5046.839	5159.535	5036.957
3616	ARHGDIG	513.3353	0.994642	0.17385	5.721271	1.06E-08	7.77E-08	344.2248	290.6757	395.1754	783.4766	569.0034	697.4558
1730	KLF6	4274.789	0.994539	0.115119	8.639264	5.66E-18	8.69E-17	2705.553	3262.574	2605.514	5482.104	5435.48	6157.509
1251	ACAD11	2274.209	0.994178	0.099357	10.0061	1.43E-23	3.05E-22	1572.05	1568.882	1420.683	3064.71	2881.382	3137.546
18984	LOC119615	8.516167	0.993983	0.837302	1.187126	0.235178	0.329339	4.878777	5.474118	6.957314	11.16063	8.556443	14.06971
1129	TNKS1BP1	8519.48	0.993906	0.095593	10.39724	2.55E-25	6.01E-24	5664.803	5692.535	5735.609	11111.53	10434.58	12477.83
21829	LOC119625	5.31565	0.993788	1.314847	0.75582	0.449757	0.547748	4.878777	5.474118	0	6.696381	12.83466	2.009959
1412	ITGA5	8626.428	0.993625	0.104723	9.488165	2.35E-21	4.43E-20	5973.25	5768.626	5567.938	10897.24	10550.09	13001.42
16186	LOC119615	16.4492	0.993334	0.609792	1.628973	0.103319	0.169698	11.9259	9.306001	11.82743	17.85702	25.66933	22.10955
16588	ETV2	16.82384	0.992146	0.636268	1.559321	0.11892	0.19059	11.9259	6.568942	15.30609	26.78552	19.252	21.10457
8314	SPATA2L	260.108	0.991758	0.299637	3.309867	0.000933	0.002985	230.3867	88.68071	204.545	316.962	308.0319	412.0416
2092	SLC22A11	661.1968	0.991006	0.126975	7.804749	5.96E-15	7.58E-14	459.6892	410.0114	459.1827	890.6187	849.2269	898.4516
22232	LRRRC63	3.715001	0.990677	1.441762	0.68713	0.492001	0.588334	0.542086	6.02153	0.695731	4.464254	8.556443	2.009959
1854	P2RX4	1097.641	0.990611	0.119504	8.289359	1.14E-16	1.63E-15	736.1533	803.0531	666.5107	1412.936	1439.621	1527.569
1066	UGP2	3551.586	0.990513	0.092817	10.67168	1.38E-26	3.44E-25	2339.103	2539.443	2254.17	4839.251	4665.4	4672.15
1321	ELP3	2081.895	0.990316	0.101131	9.792432	1.21E-22	2.44E-21	1356.842	1507.025	1319.107	2756.677	2716.671	2835.047
20027	LOC119625	6.106767	0.990303	0.967978	1.023064	0.306277	0.406554	4.336691	3.831883	4.174388	6.696381	8.556443	9.044815
4543	LOC103225	203.8347	0.989763	0.198677	4.981775	6.30E-07	3.69E-06	120.3432	147.2538	142.6249	247.7661	286.6408	278.3793
21784	LOC119615	4.343927	0.989627	1.298913	0.761889	0.446126	0.544449	3.252518	1.094824	4.174388	13.39276	2.139111	2.009959
13413	LOC119625	33.54424	0.988434	0.46534	2.12411	0.033661	0.066717	23.30971	19.70683	23.65487	42.41041	62.03421	30.14938
23711	LOC103225	1.630897	0.98821	2.184265	0.452423	0.650965	0.72981	0	1.094824	2.087194	4.464254	2.139111	0
23713	CHST8	1.630897	0.98821	2.184265	0.452423	0.650965	0.72981	0	1.094824	2.087194	4.464254	2.139111	0
21404	LOC103235	4.514153	0.988113	1.211187	0.815822	0.414602	0.514935	4.336691	1.094824	3.478657	4.464254	10.69555	3.014938
1418	PAX8	5206.475	0.98794	0.104297	9.472355	2.74E-21	5.13E-20	3282.333	3865.822	3324.9	7024.504	6445.14	7296.151
1796	LOC103225	4059.638	0.987637	0.116707	8.462518	2.62E-17	3.87E-16	2997.738	2360.987	2810.059	5435.229	4969.154	5784.662
2546	SEMA6B	1332.354	0.987215	0.1398	7.061629	1.65E-12	1.72E-11	941.0619	837.5401	907.2337	1687.488	1512.351	2108.447
2042	TP53I3	2005.83	0.987178	0.125111	7.890406	3.01E-15	3.92E-14	1480.98	1184.052	1374.069	2656.231	2400.082	2939.565
21838	TRNAH-GU	4.304224	0.986887	1.307886	0.754567	0.450509	0.548413	2.168345	4.379295	2.087194	11.16063	0	6.029877
8451	UNC80	83.76486	0.986256	0.301732	3.268653	0.001081	0.003399	45.53526	58.57306	64.70302	93.74933	130.4858	109.5428
17982	TRNAI-AAL	11.71588	0.986155	0.732391	1.346486	0.178146	0.263375	10.84173	7.116354	5.565851	17.85702	12.83466	16.07967
1944	RIM1	1109.297	0.985819	0.121596	8.107358	5.17E-16	7.07E-15	777.3519	688.6441	770.1746	1502.221	1330.527	1586.863
1907	TRMT12	887.9809	0.985078	0.120359	8.184472	2.73E-16	3.81E-15	630.9885	558.9075	600.4162	1102.671	1195.763	1239.14
4267	AMDHD2	877.9465	0.984501	0.190129	5.178076	2.24E-07	1.40E-06	691.1601	404.5373	674.8594	1127.224	1084.529	1285.369
22052	LOC119625	3.694172	0.98316	1.372944	0.716096	0.473932	0.571353	3.794605	2.737059	0.695731	2.232127	10.69555	2.009959
2988	LOC103245	355.7958	0.982895	0.152603	6.440857	1.19E-10	1.06E-09	239.6022	251.262	225.417	486.6037	470.6043	461.2856
1551	HACL1	1438.337	0.982587	0.108239	9.07798	1.11E-19	1.90E-18	1047.853	898.8502	953.152	1890.612	1923.06	1916.496
18994	LOC103245	8.537692	0.982495	0.828241	1.186243	0.235526	0.329655	4.878777	5.474118	6.957314	11.16063	10.69555	12.05975
2130	THRA	752.4002	0.982445	0.127053	7.732571	1.05E-14	1.32E-13	482.4569	528.7998	508.5796	995.5286	917.6785	1081.358
4067	NUDT17	236.0444	0.981168	0.184441	5.319698	1.04E-07	6.79E-07	169.673	143.4219	162.1054	319.1942	329.423	292.449
18364	LOC119625	13.30945	0.981097	0.771981	1.270882	0.203771	0.294995	4.878777	9.853413	11.82743	11.16063	32.08666	10.04979
14560	DOC2A	25.40263	0.980352	0.512292	1.913659	0.055664	0.101636	14.09425	15.87494	20.87194	37.94616	38.50399	25.12449
16190	LOC103225	20.51708	0.980021	0.601882	1.62826	0.10347	0.169904	18.97302	8.758589	13.2189	24.5534	38.50399	19.09461
6418	UNC13D	148.7455	0.979858	0.246622	3.973114	7.09E-05	0.000294	119.259	78.8273	102.9682	171.8738	207.4937	212.0507
16634	LOC103235	17.09142	0.979765	0.631292	1.551999	0.120662	0.192847	11.9259	7.663765	14.61036	22.32127	29.94755	16.07967
15819	LOC103225	18.93618	0.97956	0.577394	1.69652	0.089788	0.150895	15.17842	9.306001	13.91463	24.5534	23.53022	27.13445
19138	GSDMA	10.36976	0.979179	0.841788	1.163213	0.244743	0.339978	4.878777					



2824	UPK1B	414.7732	0.977716	0.146858	6.657557	2.78E-11	2.62E-10	263.9961	293.9601	281.7712	531.2462	534.7777	582.8881
16028	LOC10324	19.48304	0.977679	0.588715	1.660699	0.096774	0.160505	17.88885	8.211177	13.2189	26.78552	25.66933	25.12449
10588	LOC10322	73.57816	0.97747	0.358629	2.725576	0.006419	0.016117	55.8349	41.05589	50.09266	127.2312	106.9555	60.29877
5607	LOC11962	188.205	0.97731	0.223642	4.369984	1.24E-05	5.89E-05	113.8381	153.8227	112.7085	216.5163	278.0844	254.2598
18172	CYP1D1	13.42931	0.977094	0.747171	1.307724	0.190967	0.279378	9.215468	4.379295	13.2189	22.32127	21.39111	10.04979
4509	BORCS6	225.7658	0.977081	0.195121	5.007564	5.51E-07	3.25E-06	166.4205	137.9478	153.0609	314.7299	258.8324	323.6034
16739	CNGA4	16.77287	0.977029	0.636408	1.535223	0.124729	0.198096	9.757555	12.59047	11.1317	18.57702	34.22577	15.07469
7601	DACH1	120.5218	0.976959	0.277156	3.524946	0.000424	0.001481	68.84497	108.3875	66.09448	160.7131	158.2942	160.7967
16607	LOC10324	16.03081	0.976924	0.627759	1.556208	0.119659	0.191542	8.131296	9.853413	14.61036	20.08914	21.39111	22.10955
17928	LOC11962	13.09189	0.976866	0.720726	1.355392	0.175293	0.259937	5.420864	10.94824	9.740239	17.85702	23.53022	11.05477
20124	LOC10324	6.132374	0.976645	0.968133	1.008792	0.313074	0.41359	3.794605	3.831883	4.87012	6.696381	8.556443	9.044815
14694	LOC10323	25.05956	0.97562	0.515915	1.891049	0.058618	0.10605	19.51511	18.06459	12.52316	33.4819	40.6431	26.12947
2719	TMEM50B	1017.846	0.974858	0.143052	6.8147	9.45E-12	9.24E-11	715.0119	561.6445	784.785	1330.133	1343.361	1400.941
19352	LOC11962	9.679989	0.974468	0.865137	1.126374	0.260007	0.357151	5.96295	5.474118	7.653045	17.85702	17.11289	4.019918
15416	LOC11961	23.75443	0.974458	0.554338	1.757876	0.078769	0.135837	9.757555	23.53871	14.61036	31.24978	34.22577	29.1444
13496	LOC11961	28.55794	0.974327	0.462298	2.107576	0.035068	0.069078	21.14137	18.612	18.08902	37.94616	36.36488	39.1942
1804	LOC10322	890.9709	0.973879	0.115432	8.436787	3.26E-17	4.81E-16	616.8943	609.2693	576.7613	1243.295	1118.755	1180.851
3294	SLC66A1	984.5413	0.973857	0.161076	6.045936	1.49E-09	1.20E-08	764.8839	534.2739	696.4271	1334.812	1116.616	1460.235
11006	WNT4	48.27789	0.973822	0.370568	2.627919	0.008591	0.020751	33.06727	29.01283	35.4823	55.80317	77.00798	59.29379
3995	TBC1D10A	533.2397	0.973817	0.181076	5.377936	7.53E-08	5.01E-07	403.8543	291.2231	387.5224	694.1915	592.5337	830.113
3723	ZFYVE19	360.9464	0.973593	0.173307	5.617723	1.93E-08	1.38E-07	250.4439	250.1672	232.3743	495.5322	391.4573	545.7039
7628	LOC10321	94.59283	0.973194	0.276745	3.516577	0.000437	0.001524	55.8349	70.06871	64.70302	127.2312	141.1813	108.5378
14306	LOC11962	32.14115	0.972561	0.49619	1.96006	0.049989	0.092895	29.81475	13.13788	21.56767	49.10679	47.06043	32.15934
3011	AFMID	593.588	0.972154	0.151822	6.403272	1.52E-10	1.34E-09	427.1641	337.2057	440.398	772.3159	742.2714	842.1728
7999	SRD5A2	87.61064	0.972036	0.284799	3.413064	0.000642	0.002135	55.8349	60.2153	62.61582	116.0706	96.25998	134.6672
19467	LOC11961	9.820498	0.971962	0.878561	1.10631	0.268592	0.366801	12.46799	2.737059	4.87012	8.928508	12.83466	17.08465
10824	LOC10322	55.79717	0.971903	0.364624	2.665496	0.007687	0.018882	37.94605	47.62483	27.13352	78.12444	70.59065	73.3635
20240	LOC10322	6.915848	0.971881	0.982673	0.989018	0.322654	0.423795	3.794605	3.831883	6.261582	4.464254	17.11289	6.029877
17181	LOC10322	16.72125	0.971677	0.66071	1.470656	0.141384	0.218771	12.46799	15.87494	5.565851	15.62489	25.66933	25.12449
19553	TRNAS-AG	8.058676	0.971144	0.890651	1.090375	0.275548	0.374657	5.96295	2.737059	7.653045	13.39276	8.556443	10.04979
21640	AKAP4	4.560589	0.971028	1.239086	0.783665	0.433237	0.532237	0.542086	4.379295	4.174388	6.696381	8.556443	3.014938
4781	LOC10323	256.3998	0.970789	0.201249	4.823832	1.41E-06	7.83E-06	168.5889	186.6674	164.1926	272.3195	414.9875	331.6432
1830	LOC10322	792.9102	0.970704	0.116015	8.367089	5.91E-17	8.58E-16	538.8339	546.8644	522.4943	1060.26	1009.66	1079.348
9732	LOC11962	70.7761	0.970164	0.332176	2.920636	0.003493	0.009542	60.71367	38.31883	43.83108	89.28508	109.0946	83.413
10462	LOC11962	249.915	0.969454	0.352035	2.753858	0.00589	0.014966	106.791	302.7187	96.70666	377.2295	299.4755	316.5685
2177	HERC3	662.1381	0.969337	0.12663	7.654891	1.93E-14	2.36E-13	456.4367	434.645	452.9211	808.03	928.374	892.4218
11885	ABCA13	46.20966	0.968641	0.398842	2.428634	0.015156	0.033901	31.9831	32.2973	28.52499	55.80317	83.42532	45.22408
21538	LOC10324	3.984901	0.968388	1.21215	0.798901	0.424348	0.523785	3.252518	2.189647	2.782925	2.232127	6.417332	7.034856
6593	LOC10323	115.1374	0.968009	0.247945	3.904123	9.46E-05	0.000381	80.77087	69.5213	84.1835	138.3919	156.1551	161.8017
16562	TMDD1	23.60813	0.967497	0.618752	1.563627	0.117905	0.189252	17.88885	9.853413	19.48048	29.01765	51.33866	14.06971
15608	LOC10324	21.18071	0.967243	0.559755	1.727976	0.083993	0.143064	15.7205	14.78012	11.82743	35.71403	29.94755	19.09461
17684	LOC10324	13.73789	0.966693	0.696448	1.388032	0.165127	0.248242	8.131296	8.211177	11.1317	26.78552	17.11289	11.05477
22355	LOC10321	2.673267	0.966211	1.44984	0.666426	0.505139	0.600721	1.084173	1.642235	2.782925	2.232127	4.278221	4.019918
1706	SEMA4D	1176.254	0.966119	0.110963	8.706702	3.13E-18	4.88E-17	760.0051	837.5401	794.5252	1540.168	1478.125	1647.161
1287	PLSCR1	2794.231	0.965531	0.097585	9.894267	4.41E-23	9.10E-22	1802.979	2045.678	1827.686	3665.153	3796.921	3626.971
2017	HGH1	977.5859	0.965215	0.121516	7.943134	1.97E-15	2.60E-14	633.699	672.2217	684.5997	1283.473	1176.511	1415.011
21157	SRRM5	5.315057	0.965142	1.125857	0.857251	0.391306	0.491699	1.626259	7.116354	2.087194	4.464254	8.556443	8.039836
11210	LOC10322	54.01368	0.963919	0.373442	2.581174	0.009846	0.023351	36.31979	27.918	46.614	62.49956	66.31243	84.41828
9959	ACHE	57.2762	0.963776	0.335496	2.872689	0.00407	0.010865	35.7777	37.224	43.83108	71.42806	77.00798	78.3884
3709	PPIL4	936.5123	0.963439	0.171023	5.633372	1.77E-08	1.27E-07	553.4702	822.76	527.3644	1303.562	1197.902	1214.015
15195	LOC10321	24.14701	0.962854	0.535874	1.796792	0.072369	0.126615	17.34676	13.6853	17.39328	35.71403	40.6431	20.09959
7659	LOC10321	102.62	0.962741	0.274488	3.507403	0.000453	0.001571	75.89209	56.93083	75.13899	136.1597	154.016	117.5826
1773	VP37A	2119.035	0.961727	0.112812	8.525016	1.53E-17	2.29E-16	1324.317	1621.434	1368.504	2694.177	2821.487	2884.291
1623	MGAT4B	11891.35	0.961443	0.107826	8.916634	4.81E-19	7.87E-18	8521.056	7380.753	8311.903	15573.55	14122.41	17438.4
11487	LOC10324	48.98096	0.961108	0.381437	2.519705	0.011745	0.027183	31.9831	31.74989	35.4823	87.05295	51.33866	56.27885
18908	LOC10323	12.09437	0.960479	0.799093	1.201962	0.229378	0.32251	6.505036	14.23271	3.478657	22.32127	14.97377	11.05477
22375	TRNAM-C	2.685575	0.960191	1.449615	0.662376	0.50773	0.603263	1.084173	2.189647	2.087194	4.464254	4.278221	2.009959
18435	LOC11962	10.94208	0.959455	0.762085	1.258987	0.208035	0.300006	9.215468	6.568942	6.261582	11.16063	21.39111	11.05477
1652	SH3PXD2B	5775.49	0.959344	0.108471	8.844231	9.22E-19	1.48E-17	3656.373	4326.196	3790.345	7546.821	6994.892	8338.315
2817	SUMF1	1141.148	0.959195	0.143907	6.665358	2.64E-11	2.49E-10	859.2069	649.2304	820.2673	1506.686	1341.222	1670.276
1860	PKD2	2139.724	0.958475	0.115776	8.278679	1.25E-16	1.78E-15	1366.058	1634.572	1363.633	2796.855	2648.219	3029.008
21375	KRT82	4.849542	0.958339	1.167826	0.820618	0.411864	0.512253	1.084173	2.737059	6.261582	6.696381	4.278221	8.039836
4866	RABEP2	354.2575	0.957083	0.201004	4.761517	1.92E-06	1.05E-05	285.6795	177.3614	260.2035	430.8005	494.1346	477.3652
20089	LOC10323	8.838396	0.956989	0.943557	1.014236	0.31047	0.410864	9.215468	1.642235	6.957314	8.928508	19.252	7.034856
20714	LOC11962	5.608154	0.95681	1.043352	0.917054	0.359114	0.460898	3.252518	6.02153	2.087194	6.696381	8.556443	7.034856
23114	LOC11961	2.170418	0.95643	1.766881	0.54131	0.588294	0.676638	1.626259	0	2.782925	4.464254	2.139111	2.009959
19640	LOC10323	9.736398	0.956404	0.88607	1.079377	0.280419	0.37958	5.96295	7.663765	6.261582	22.32127	2.139111	14.06971
22730	LOC11962	2.425068	0.955647	1.582059	0.604053	0.545809	0.638396	2.168345	0.547412	2.087194	4.464254	4.278221	1.004979
14111	LOC10322	31.93069	0.955457	0.479745	1.991593	0.046416	0.087441	17.34676	29.01283	18.08902	44.64254	51.33866	31.15436



23180	LOC119615	2.167223	0.953472	1.789302	0.532874	0.594121	0.681347	1.626259	0.547412	2.087194	4.464254	4.278221	0
18579	LOC119625	11.59555	0.953294	0.769797	1.23837	0.215579	0.308476	8.131296	6.02153	9.044508	20.08914	19.252	7.034856
16741	LOC119625	18.53993	0.952879	0.620831	1.534845	0.124822	0.198219	18.43094	9.853413	9.044508	29.01765	27.80844	17.08465
1920	NTAQ1	1003.593	0.952869	0.116909	8.150507	3.62E-16	5.02E-15	660.2612	719.2991	669.9893	1435.258	1251.38	1285.369
2365	WDR47	823.2128	0.952586	0.130093	7.322334	2.44E-13	2.74E-12	561.0594	603.2478	521.1028	1053.564	1005.382	1194.921
21026	LOC119624	4.838347	0.952406	1.086604	0.876498	0.380759	0.481427	3.252518	3.284471	3.478657	6.696381	4.278221	8.039836
3648	PPP1R3G	297.6582	0.952183	0.167067	5.699397	1.20E-08	8.76E-08	214.1241	194.3312	201.7621	381.6937	367.927	426.1113
2005	CYB5R1	964.1806	0.952144	0.119555	7.964032	1.67E-15	2.21E-14	701.4598	616.9331	655.379	1256.687	1197.902	1356.722
15290	LOC119625	21.23485	0.952062	0.534435	1.781438	0.074841	0.130127	14.09425	14.78012	14.61036	31.24978	23.53022	29.1444
10080	LOC119625	62.85475	0.951773	0.334907	2.841906	0.004484	0.011827	37.40396	39.96106	50.78839	80.35657	96.25998	72.35852
2737	TFCP2L1	919.5585	0.951718	0.140032	6.796441	1.07E-11	1.04E-10	556.7227	705.6138	621.2881	1174.099	1105.92	1353.707
1041	CUNH12or	10284.55	0.951446	0.087996	1.812242	3.01E-27	7.68E-26	7340.934	6517.485	7175.773	13819.1	13149.11	13704.91
13014	BMP8A	33.74385	0.95142	0.432264	2.201016	0.027735	0.056653	24.93597	23.53871	20.87194	37.94616	44.92132	50.24897
2689	CRY2	1060.086	0.950856	0.13883	6.849068	7.43E-12	7.35E-11	763.2576	664.0105	745.824	1381.687	1195.763	1609.977
19766	LOC103235	11.25553	0.950742	0.898246	1.058443	0.289854	0.389849	7.589209	2.737059	12.52316	6.696381	29.94755	8.039836
20687	DMRT1	7.004507	0.95041	1.029193	0.923452	0.355772	0.45716	1.626259	8.211177	4.174388	11.16063	12.83466	4.019918
2007	GRB14	724.9556	0.950062	0.119322	7.962166	1.69E-15	2.24E-14	493.8407	509.093	479.3589	946.4218	990.4082	930.611
1123	DNAJC3	5843.835	0.949947	0.091119	10.42538	1.90E-25	4.50E-24	4017.944	4089.714	3855.743	7653.963	7225.916	8219.727
9753	SLC25A35	83.45353	0.949851	0.325731	2.916058	0.003545	0.009663	42.82482	71.71095	57.04997	82.5887	121.9293	124.6175
18161	ACTN2	19.41495	0.949794	0.724959	1.310136	0.19015	0.278351	7.589209	20.25424	11.1317	24.5534	44.92132	8.039836
3594	MPND	697.9457	0.949659	0.165077	5.752807	8.78E-09	6.49E-08	558.891	387.0202	482.8376	1017.85	806.4447	934.6309
17890	LOC103217	16.40506	0.948915	0.6966	1.36221	0.173132	0.25727	14.63633	9.853413	8.348776	22.32127	34.22577	9.044815
4643	SNX21	385.2995	0.948822	0.192735	4.922931	8.53E-07	4.88E-06	301.9421	202.5424	286.6413	491.0679	457.7697	571.8333
1720	ESCO2	1396.54	0.948612	0.109266	8.681644	3.90E-18	6.03E-17	912.8734	1027.492	921.1483	1747.755	1852.47	1917.501
1307	CD47	2890.385	0.9484	0.096504	9.82756	8.57E-23	1.74E-21	2082.696	1926.342	1913.261	3602.653	3805.478	4011.878
24155	LOC119625	1.055565	0.948326	2.484771	0.381655	0.702717	0.773411	0.542086	1.642235	0	0	2.139111	2.009959
1711	PPM1B	6199.119	0.94765	0.10898	8.695608	3.45E-18	5.36E-17	4116.604	4801.349	3782.691	7845.926	8167.125	8481.022
8408	LOC103225	92.35614	0.947355	0.288888	3.279317	0.001041	0.00329	66.13454	50.36189	73.05179	136.1597	104.8164	123.6125
2774	PLPP2	774.6347	0.947346	0.140616	6.737106	1.62E-11	1.55E-10	578.4062	465.8475	546.1491	986.6001	941.2087	1129.597
1835	TMEM63B	3588.144	0.94716	0.113312	8.358861	6.33E-17	9.17E-16	2303.325	2808.77	2241.646	4665.145	4558.445	4951.534
1705	ACSS2	4704.254	0.947103	0.108671	8.715346	2.90E-18	4.52E-17	3490.494	2966.425	3187.841	5935.226	5790.573	6854.965
1983	SLC48A1	2045.435	0.946913	0.117957	8.027592	9.94E-16	1.33E-14	1359.553	1563.408	1270.405	2745.516	2468.534	2865.196
3850	GPC5C	1313.24	0.946606	0.172192	5.497386	3.85E-08	2.66E-07	1024.001	701.7819	969.8495	1694.184	1420.369	2069.253
10894	HDRAC9	67.91939	0.946486	0.356947	2.651615	0.008011	0.019549	48.24569	45.43518	43.83108	98.21359	115.512	56.27885
5277	TSNAXIP1	183.9855	0.946464	0.208748	4.53401	5.79E-06	2.92E-05	118.7169	127.547	132.8847	209.8199	239.5804	275.3644
14886	ELMO1	36.22108	0.946367	0.509509	1.857409	0.063253	0.112964	17.88885	27.918	27.82925	31.24978	81.28621	31.15436
12551	SOX18	38.68999	0.946304	0.412733	2.292776	0.021861	0.046305	20.59928	29.01283	29.91645	46.87467	53.47777	52.25893
17009	LOC103235	16.9779	0.946265	0.634736	1.4908	0.136014	0.212589	16.26259	8.758589	9.740239	29.01765	14.97377	23.11453
1879	LOC103225	5465.554	0.945971	0.114886	8.233994	1.81E-16	2.56E-15	3390.208	4328.385	3488.397	7194.145	6855.85	7536.341
2925	ZC3H3	1026.39	0.945092	0.145013	6.517286	7.16E-11	6.51E-10	760.5472	569.3083	777.8277	1305.794	1302.718	1442.146
16512	LOC119625	22.30269	0.944977	0.60069	1.573152	0.115684	0.186255	17.88885	15.87494	11.1317	26.78552	47.06043	15.07469
7151	LOC119625	107.354	0.944924	0.25674	3.680463	0.000233	0.000866	68.84497	72.25836	80.00911	147.3204	121.9293	153.7619
23459	GPR78	1.612364	0.944458	1.922063	0.491377	0.62316	0.706198	1.084173	1.642235	0.695731	2.232127	0	4.019918
1084	STAT1	22593.91	0.943937	0.089387	10.56009	4.56E-26	1.12E-24	15408.26	16215.98	14746.03	28738.63	28563.54	31891.01
17044	LOC103225	15.58232	0.943744	0.63459	1.487171	0.13697	0.213647	7.589209	12.59047	11.82743	17.85702	23.53022	20.09959
15142	LOC103215	25.78824	0.943149	0.521878	1.80722	0.070728	0.124178	20.59928	13.13788	18.78475	29.01765	47.06043	26.12947
22167	PDZD9	3.779943	0.943145	1.353275	0.696935	0.485843	0.582674	0.542086	4.926706	2.087194	6.696381	6.417332	2.009959
6969	KCNK5	107.8253	0.942733	0.251485	3.74866	0.000178	0.000678	78.06044	68.97389	75.13899	138.3919	132.6249	153.7619
3316	PGPEP1	558.3373	0.942108	0.156271	6.028687	1.65E-09	1.33E-08	430.9587	329.5419	388.9138	680.7987	703.7674	816.0433
4595	NIM1K	218.0494	0.942044	0.19049	4.945373	7.60E-07	4.40E-06	148.5317	146.7064	153.7566	247.7661	308.0319	303.5038
6384	HSPA6	141.8734	0.940721	0.236026	3.985672	6.73E-05	0.00028	10.8752	94.70224	90.44508	178.5702	162.5724	217.0756
3661	ZFP36	528.2836	0.940541	0.165396	5.686597	1.30E-08	9.41E-08	316.5784	434.645	335.3425	627.2277	727.2976	728.6101
4072	ARSA	473.5955	0.940408	0.176838	5.3179	1.05E-07	6.85E-07	362.6558	256.1887	356.2145	647.3168	551.8906	667.3064
14703	LOC103215	27.47153	0.940244	0.497412	1.890272	0.058722	0.106176	22.76763	16.96977	16.00182	40.17829	42.78221	26.12947
7340	LURAP1	150.8425	0.94003	0.259748	3.619006	0.000296	0.001071	71.71095	121.753	203.1236	190.3808	200.9959	188.881
3208	TEX9	1040.678	0.939548	0.152725	6.151911	7.66E-10	6.34E-09	634.2411	850.1305	651.9003	1410.704	1510.212	1186.821
17072	LOC119625	18.7991	0.93913	0.632565	1.484637	0.13764	0.21433	21.14137	7.663765	9.740239	22.32127	27.80844	24.11951
18996	CYP2S1	11.27391	0.938908	0.791713	1.185921	0.235654	0.329781	5.96295	9.853413	6.957314	11.16063	25.66933	8.039836
23960	TRNAG-CC	1.365053	0.938364	2.271743	0.413059	0.679563	0.754015	1.626259	1.094824	0	4.464254	0	1.004979
21250	TRNAR-AC	5.886268	0.938181	1.1145	0.841795	0.399903	0.500278	3.794605	7.663765	0.695731	6.696381	6.417332	10.04979
2865	ZMIZ1	1038.671	0.938056	0.142318	6.591264	4.36E-11	4.05E-10	636.9515	850.1305	651.2046	1285.705	1366.892	1441.141
21386	METTL24	6.245931	0.938039	1.146476	0.818193	0.413247	0.513709	5.96295	1.642235	4.87012	11.16063	12.83466	1.004979
13266	LOC103225	46.1392	0.938028	0.435393	2.154441	0.031206	0.062531	48.24569	25.18094	21.56767	51.33892	64.17332	66.32864
17257	LOC103235	17.48293	0.937816	0.643624	1.457086	0.145093	0.22352	14.09425	6.02153	16.00182	17.85702	27.80844	23.11453
20135	LOC103245	7.576392	0.937773	0.931987	1.006208	0.314316	0.415003	3.252518	3.831883	8.348776	11.16063	12.83466	6.029877
2056	TOM1	1859.648	0.937634	0.119043	7.87644	3.37E-15	4.36E-14	1358.468	1129.858	1342.762	2408.465	2263.179	2655.156
13007	LOC103245	35.49128	0.937379	0.425541	2.202793	0.027609	0.056431	25.47806	27.918	19.48048	44.64254	49.19955	46.22906
24451	LOC119624	0.795946	0.937223	2.776215	0.33759	0.735672	0.799895	1.084173	0.547412	0	0	2.139111	1.004979
21814	LOC119615	4.848158	0.937212	1.236711	0.757826	0.448555	0.546635	6.505036	1.094824	2.087194	6.696381	10.69555	2.009959
3831	NPTXR	427.368	0.936995	0.169964	5.512919	3.53E-08	2.45E-07	275.922	297.792	307.5133			



1635	RCAN3	1637.218	0.935879	0.10533	8.8852	6.38E-19	1.04E-17	1116.156	1208.138	1047.076	2205.341	2089.911	2156.686
12663	LOC119621	41.9917	0.935788	0.412649	2.267756	0.023344	0.049009	23.30971	30.10765	32.69937	46.87467	72.72976	46.22906
6480	TMEM91	232.9419	0.935671	0.237018	3.947674	7.89E-05	0.000324	202.7403	112.2194	165.5841	310.2657	280.2235	326.6183
16946	LOC103224	17.58823	0.935309	0.623636	1.499768	0.133675	0.20971	9.215468	15.32753	11.1317	31.24978	23.53022	15.07469
21228	LOC119624	6.421126	0.935272	1.104322	0.846919	0.39704	0.497236	5.96295	2.189647	4.87012	2.232127	19.252	4.019918
24675	POU1F1	0.797721	0.935003	3.083533	0.303225	0.761719	0.820681	0	1.642235	0	0	2.139111	1.004979
5340	SLC25A45	241.9988	0.934898	0.208004	4.494622	6.97E-06	3.47E-05	150.7	189.9519	159.3225	345.9797	250.2759	355.7627
24670	LOC119619	0.813224	0.934724	3.064651	0.305002	0.760365	0.819388	0	1.642235	0	2.232127	0	1.004979
20956	LOC119627	5.65151	0.934627	1.056719	0.884461	0.376447	0.477565	2.168345	3.284471	6.261582	4.464254	10.69555	7.034856
4182	LOC103247	280.0104	0.934402	0.178361	5.23881	1.62E-07	1.03E-06	186.4777	215.1328	174.6286	401.7829	342.2577	359.7826
2462	CHPF2	3104.901	0.934402	0.13012	7.181094	6.92E-13	7.47E-12	2288.689	1865.032	2251.387	3857.115	3640.766	4726.418
5693	LOC103247	224.2907	0.934275	0.215725	4.330861	1.49E-05	6.94E-05	158.8313	124.8099	180.8902	285.7123	258.8324	336.6681
12779	ANKMY1	37.89242	0.93414	0.416461	2.243045	0.024894	0.051785	28.18849	29.01283	20.87194	4.424041	55.61688	51.25395
17668	LOC103234	14.92669	0.934081	0.671221	1.391615	0.164039	0.246829	7.589209	10.94824	11.82743	29.01765	17.11289	13.06473
19044	CATSPER4	11.08818	0.933867	0.793004	1.177632	0.238943	0.333526	4.878777	9.853413	7.653045	17.85702	19.252	7.034856
22195	LOC119615	3.516773	0.933641	1.347573	0.692831	0.488415	0.58502	3.252518	1.642235	2.087194	6.696381	6.417332	1.004979
24462	TRNAF-GA	0.796833	0.933452	2.775452	0.336324	0.736626	0.800556	0.542086	1.094824	0	0	2.139111	1.004979
24443	LOC103218	0.812336	0.933124	2.759855	0.338106	0.735283	0.799685	0.542086	1.094824	0	2.232127	0	1.004979
22981	LOC119625	2.692129	0.933063	1.644532	0.567373	0.570461	0.659924	2.710432	0	2.782925	2.232127	6.417332	2.009959
3704	S100A2	6101.088	0.933017	0.165571	5.635144	1.75E-08	1.26E-07	4936.238	2887.597	4759.498	8064.675	7963.909	7994.612
19117	LOC103238	10.58409	0.932003	0.799659	1.165501	0.243816	0.339062	8.131296	4.926706	8.348776	20.08914	14.97377	7.034856
16877	LOC103247	17.18737	0.931839	0.617046	1.510161	0.131002	0.206358	11.38381	15.87494	8.348776	17.85702	23.53022	26.12947
8836	LOC103237	84.57684	0.931563	0.294662	3.161463	0.00157	0.004723	60.71367	58.02565	54.26705	127.2312	119.7902	87.43321
22396	LOC119623	2.961914	0.931531	1.415243	0.658213	0.510401	0.605868	2.710432	2.737059	0.695731	4.464254	2.139111	5.024897
7200	ENHO	110.4947	0.931476	0.254033	3.666753	0.000246	0.000907	82.39713	69.5213	77.22618	138.3919	132.6249	162.8067
1673	CROT	1137.177	0.931466	0.105964	8.790416	1.49E-18	2.37E-17	816.9242	761.9972	768.0874	1464.275	1512.351	1499.429
2303	CERT1	2353.587	0.931356	0.125702	7.409265	1.27E-13	1.47E-12	1587.771	1880.36	1390.071	2959.8	3067.485	3236.034
14946	VSIG1	32.67718	0.930418	0.50393	1.846324	0.064845	0.115343	16.80468	26.82318	22.95914	40.17829	64.17332	25.12449
1725	ENOSF1	1148.567	0.929992	0.107463	8.65405	4.97E-18	7.66E-17	827.7659	768.5662	777.1319	1450.883	1512.351	1554.703
2480	TMEM65	2736.566	0.929913	0.129985	7.154018	8.43E-13	9.03E-12	1747.686	2264.095	1639.839	3558.01	3529.533	3680.235
17029	EFCAB5	17.01226	0.929564	0.623895	1.489937	0.136241	0.212795	8.131296	10.94824	16.00182	20.08914	27.80844	19.09461
2813	EML4	6517.876	0.928771	0.139141	6.675038	2.47E-11	2.34E-10	4022.281	5591.812	3855.048	8089.228	8487.991	9060.895
21091	LOC103238	5.954609	0.928705	1.071863	0.866441	0.386249	0.486863	3.252518	3.831883	4.87012	8.928508	12.83466	2.009959
23471	CCR2	1.898846	0.92848	1.899599	0.488777	0.625	0.707921	0	1.094824	2.782925	2.232127	4.278221	1.004979
20985	LOC103227	5.719544	0.928396	1.053541	0.881215	0.378202	0.479147	2.168345	3.284471	6.261582	11.16063	6.417332	5.024897
23231	LOC119619	2.163661	0.928074	1.770913	0.524066	0.600233	0.686836	1.084173	3.284471	0	4.464254	2.139111	2.009959
9680	LOC119624	82.3517	0.927782	0.315957	2.936418	0.00332	0.009119	62.33993	42.15071	66.79021	109.3742	89.84265	123.6125
2966	ESRRG	555.0646	0.927721	0.143408	6.469109	9.86E-11	8.84E-10	398.4335	365.1237	381.2608	712.0485	819.2794	654.2416
1535	BIN3	1658.949	0.927278	0.101421	9.142845	6.08E-20	1.05E-18	1135.671	1143.543	1154.914	2131.681	2066.381	2321.503
18566	LOC119625	14.06566	0.926838	0.747139	1.240515	0.214785	0.307554	9.215468	4.379295	15.30609	15.62489	27.80844	12.05975
23794	LOC119618	1.906704	0.926495	2.120056	0.437014	0.662101	0.739748	0	3.831883	0	4.464254	2.139111	1.004979
2143	DOCK5	3927.004	0.926132	0.120315	7.697544	1.39E-14	1.72E-13	2486.008	3176.083	2463.585	4935.233	5078.249	5422.869
8842	NTF3	81.13143	0.926132	0.293225	3.158435	0.001586	0.004769	52.58238	58.02565	57.7457	118.3027	85.56443	114.5677
2274	HAGH	1174.649	0.926092	0.124176	7.457885	8.79E-14	1.03E-12	822.8871	753.7861	858.5325	1448.65	1437.482	1726.555
2749	IRF9	682.78	0.925921	0.136642	6.776237	1.23E-11	1.19E-10	511.7295	464.7526	434.8321	986.6001	821.4185	877.3471
10998	LOC119627	62.33117	0.925389	0.35186	2.629988	0.008539	0.02064	42.28274	35.58177	50.09266	93.74933	91.98176	60.29877
21961	LOC103246	12.00947	0.925272	1.260122	0.734272	0.462783	0.560246	0	0.547412	24.3506	17.85702	19.252	10.04979
23778	LOC119623	1.592779	0.925152	2.102354	0.440055	0.659897	0.737767	1.626259	1.642235	0	0	4.278221	2.009959
2139	NFKBIZ	6376.741	0.925076	0.119945	7.712506	1.23E-14	1.53E-13	3850.439	5171.947	4177.867	8207.531	8092.256	8760.406
1753	MFHAS1	2424.169	0.925009	0.107708	8.588108	8.84E-18	1.34E-16	1740.639	1637.856	1644.709	2957.568	3024.702	3539.538
3251	POMK	4621.2539	0.924769	0.151645	6.098264	1.07E-09	8.77E-09	332.841	325.71	298.4688	529.0141	618.203	663.2864
14630	GPR162	32.04073	0.924724	0.486324	1.901457	0.057242	0.104018	19.51511	16.96977	29.22072	51.33892	47.06043	28.13943
2615	UBE2J1	2499.19	0.924696	0.132903	6.957652	3.46E-12	3.52E-11	1529.768	2093.85	1549.394	3281.227	3270.7	3270.203
6859	LRRC24	480.4913	0.924459	0.24376	3.792496	0.000149	0.000578	403.3123	195.426	397.2626	676.3345	526.2212	684.391
5728	LOC119628	162.2156	0.924335	0.214448	4.310293	1.63E-05	7.57E-05	117.6327	120.4306	97.40239	207.5878	218.1893	212.0507
4749	SUGCT	247.232	0.924126	0.190712	4.845664	1.26E-06	7.06E-06	162.0838	159.2968	190.6304	368.301	284.5017	318.5785
21008	LOC103227	5.691733	0.923993	1.052198	0.878155	0.379859	0.480632	2.168345	2.737059	6.957314	6.696381	8.556443	7.034856
20699	LOC119624	7.00287	0.922445	1.000377	0.922098	0.356478	0.457824	8.673382	3.284471	2.782925	8.928508	4.278221	14.06971
21401	LOC103237	5.149714	0.921959	1.129295	0.816402	0.41427	0.51462	3.252518	2.189647	5.565851	6.696381	2.139111	11.05477
22857	LOC119618	2.945298	0.921842	1.576024	0.584916	0.558604	0.649734	0.542086	1.642235	4.174388	0	4.278221	7.034856
2408	LOC103247	755.3746	0.921311	0.126838	7.263694	3.77E-13	4.16E-12	527.45	545.7696	490.4906	959.8146	1078.112	930.611
10137	MAGIX	75.21082	0.921076	0.325388	2.830704	0.004645	0.012181	54.75072	37.77142	63.31155	93.74933	111.2338	90.44815
10800	CACNA1A	101.1624	0.921006	0.344873	2.670562	0.007572	0.01864	61.79785	62.95236	83.48776	120.5349	196.7982	81.40334
4804	SLC9B2	328.1698	0.920919	0.191397	4.811573	1.50E-06	8.29E-06	206.5349	273.1585	200.3706	374.9973	489.8563	424.1013
12512	MTMR7	50.24998	0.920838	0.400538	2.299002	0.021505	0.045693	29.81475	41.05589	32.00364	84.82083	70.59065	43.21412
2327	CNNM4	1083.811	0.920615	0.124869	7.372661	1.67E-13	1.91E-12	728.022	828.7815	693.6442	1350.437	1358.335	1543.648
13489	LOC119625	36.1697	0.919995	0.43621	2.109064	0.034939	0.06886	28.73058	24.08612	21.56767	42.41041	62.03421	38.18922
17313	EDA	22.13546	0.919761	0.63594	1.446301	0.148093	0.227415	19.51511	13.13788	12.52316	20.08914	53.47777	14.06971
18165	LOC103215	12.20708	0.919628	0.702253	1.309539	0.190352	0.278585	7.589209	9.306001	8.348776	20.08914	12.83466	15.07469
2814	B3GNT5	877.3382	0.91953	0.137762	6.67477	2.48E-11	2.34E-10	576.23					



18023	LOC103221	19.15114	0.918357	0.686038	1.338638	0.180688	0.266526	6.505036	24.63353	8.348776	20.08914	34.22577	21.10457
1241	HMGCR	10265.82	0.917956	0.091532	10.02883	1.14E-23	2.44E-22	7411.947	7046.832	6863.39	12979.82	12779.05	14513.91
8212	ADAMTS15	97.7935	0.917829	0.274584	3.342618	0.00083	0.002687	69.92914	58.57306	75.13899	107.1421	143.3204	132.6573
21088	LOC119624	5.393892	0.917776	1.058442	0.867101	0.385887	0.486475	4.336691	3.831883	2.782925	6.696381	10.69555	4.019918
3393	GAMT	921.4739	0.91759	0.154228	5.94957	2.69E-09	2.11E-08	687.9076	515.1145	713.1247	1249.991	1065.277	1297.428
2879	FAM160B2	1118.465	0.917585	0.139509	6.577266	4.79E-11	4.42E-10	821.2608	696.8552	809.8313	1388.383	1292.023	1702.435
5736	LOC119625	189.6741	0.917031	0.212939	4.306551	1.66E-05	7.69E-05	112.754	138.4952	141.9292	285.7123	231.024	228.1303
11355	LOC103231	66.86507	0.916737	0.360017	2.546371	0.010885	0.02548	53.66655	36.12918	50.78839	71.42806	70.59065	118.5876
15645	LOC119626	44.58581	0.916503	0.531107	1.725646	0.084411	0.143437	24.39389	13.13788	54.96278	55.80317	77.00798	42.20914
1448	TMEM51	2426.747	0.916303	0.097814	9.367763	7.41E-21	1.36E-19	1695.104	1755.002	1595.312	3020.068	3159.466	3335.527
14592	TMPRSS13	36.21845	0.915693	0.479847	1.908302	0.056352	0.102667	18.43094	25.18094	31.30791	33.4819	72.72976	36.17926
1871	HIBADH	2893.018	0.915304	0.110946	8.249989	1.58E-16	2.25E-15	1871.824	2283.802	1858.994	3734.348	3769.113	3840.027
15089	LOC103232	29.03259	0.914593	0.502991	1.81831	0.069017	0.121599	28.73058	15.32753	16.00182	46.87467	32.08666	35.17428
2806	CLN8	726.3055	0.91449	0.136761	6.686791	2.28E-11	2.16E-10	534.4972	474.0586	505.7967	917.4042	857.7834	1068.293
2128	ECM1	1513.859	0.914152	0.118125	7.738825	1.00E-14	1.25E-13	996.8968	1114.53	1042.206	1915.165	1805.409	2208.945
18320	LOC119627	12.16251	0.913896	0.714347	1.279345	0.200776	0.291339	7.589209	10.40082	7.653045	13.39276	12.83466	21.10457
22494	LOC119619	3.005167	0.913858	1.428401	0.639777	0.522318	0.617287	1.626259	1.642235	2.782925	6.696381	4.278221	1.004979
20948	CPSF4L	5.982523	0.913661	1.032199	0.88516	0.376071	0.477269	3.252518	2.737059	6.261582	8.928508	10.69555	4.019918
10403	LOC119628	67.00434	0.913627	0.33033	2.765802	0.005678	0.014511	46.61943	42.69812	50.09266	66.96381	111.2338	84.41828
2776	LOC103222	588.5816	0.913452	0.135644	6.734164	1.65E-11	1.58E-10	382.1709	430.8131	411.873	825.887	705.9065	774.8392
21292	LBHD1	5.121964	0.913326	1.0939	0.834927	0.403759	0.50413	4.878777	2.189647	3.478657	4.464254	10.69555	5.024897
21047	LOC119615	6.225091	0.913305	1.046091	0.873065	0.382628	0.483302	6.505036	3.284471	2.782925	8.928508	12.83466	3.014938
6774	DCT	136.0838	0.913251	0.238696	3.826002	0.00013	0.000511	102.9964	98.53413	81.40057	198.6593	154.016	180.8963
18537	LOC103233	13.05758	0.913118	0.73279	1.246084	0.212734	0.305094	5.420864	6.568942	15.30609	17.5702	17.11289	16.07967
22610	LOC119629	2.687679	0.912772	1.465131	0.622997	0.533286	0.626997	2.710432	2.189647	0.695731	2.232127	4.278221	4.019918
10348	LOC103219	67.33589	0.912535	0.328606	2.776988	0.005487	0.014095	49.32986	39.96106	50.78839	71.42806	109.0946	83.4133
1896	SLC20A2	1244.659	0.912332	0.11118	8.205932	2.29E-16	3.21E-15	854.3281	892.8287	846.7051	1649.542	1490.96	1733.59
21297	LOC119620	5.123904	0.912321	1.093867	0.834033	0.404263	0.504593	4.878777	3.284471	2.782925	4.464254	4.278221	11.05477
3004	AUTS2	1223.122	0.91191	0.142254	6.41043	1.45E-10	1.28E-09	769.7626	1018.186	758.3472	1484.364	1709.149	1598.922
4030	HRK	307.5279	0.91163	0.170411	5.349582	8.82E-08	5.82E-07	201.114	218.9647	221.9383	348.2118	427.8221	427.1163
8390	LOC103234	89.64716	0.911595	0.277543	3.284513	0.001022	0.003237	56.37698	64.59459	66.79021	109.3742	109.0946	131.6523
20463	LOC119621	7.92093	0.91152	0.957558	0.951921	0.341137	0.443196	6.505036	3.284471	6.261582	15.62489	12.83466	3.014938
24698	GUCA1AN	0.79914	0.910107	3.039842	0.299393	0.76464	0.823061	1.084173	0	0.695731	0	0	3.014938
2678	SELENOM	832.3735	0.909883	0.132625	6.86058	6.86E-12	6.81E-11	575.6957	549.6015	611.5479	1169.635	939.0696	1148.692
11878	LOC119622	71.38119	0.909652	0.374153	2.43123	0.015048	0.033679	33.60935	68.97389	45.91827	71.42806	121.9293	86.42823
4453	RLBP1	270.4543	0.909548	0.180498	5.03909	4.68E-07	2.79E-06	191.3565	169.6977	204.545	314.7299	361.5097	380.8872
19018	LOC103235	14.21087	0.909496	0.769863	1.181374	0.237454	0.331934	5.420864	7.116354	16.69755	22.32127	25.66933	8.039836
2693	LOC103241	540.4693	0.909486	0.132849	6.845998	7.59E-12	7.50E-11	358.8612	395.2313	372.912	725.4413	673.8199	716.5504
13949	LOC103236	54.01173	0.909253	0.44964	2.022181	0.043158	0.082253	41.19856	17.51718	53.57132	87.05295	68.45154	56.27885
5314	B4GALNT3	211.749	0.908722	0.201453	4.510829	6.46E-06	3.23E-05	141.4845	131.3788	170.4542	267.8552	258.8324	300.4889
14320	LOC103242	40.66667	0.908293	0.463929	1.957828	0.05025	0.093283	21.68345	42.15071	20.17621	51.33892	68.45154	40.19918
3670	LOC103243	427.1304	0.908285	0.159913	5.679868	1.35E-08	9.76E-08	281.8849	321.3307	290.8157	502.2286	528.3603	638.162
20483	LOC119623	7.067648	0.908206	0.956139	0.949869	0.342179	0.444116	7.589209	2.189647	4.87012	11.16063	8.556443	8.039836
8262	ZBED6CL	93.02638	0.907927	0.27304	3.325251	0.000883	0.002843	67.21871	55.83601	70.9646	116.0706	130.4858	117.5826
3547	TBC1D7	1586.499	0.907649	0.156289	5.807512	6.34E-09	4.75E-08	1249.509	821.1177	1239.793	2104.896	2036.433	2067.243
3747	PNPLA7	442.5518	0.907102	0.162089	5.596311	2.19E-08	1.55E-07	341.5144	273.7059	310.9919	555.7996	524.0821	649.2167
19560	CORIN	10.57885	0.90682	0.832395	1.089411	0.275973	0.375025	6.505036	8.758589	6.261582	13.39276	23.53022	5.024897
4988	SLC3A1	197.9955	0.906793	0.193116	4.695584	2.66E-06	1.42E-05	140.9425	141.7797	129.406	256.6946	275.9453	243.205
7648	CAPN8	110.1907	0.906576	0.258264	3.510273	0.000448	0.001556	75.89209	66.23683	87.66215	138.3919	158.2942	134.6672
23028	LOC119624	2.730932	0.905429	1.624307	0.557425	0.577237	0.6664	1.626259	1.094824	2.782925	4.464254	6.417332	0
17176	LOC119620	16.57615	0.905376	0.615391	1.471221	0.141231	0.218598	11.38381	10.94824	11.82743	24.5534	25.66933	15.07469
22792	TRNAR-AC	3.270453	0.905232	1.524492	0.593792	0.552651	0.644622	3.252518	0	3.478657	4.464254	6.417332	2.009959
2379	RARS2	743.2187	0.904896	0.123907	7.303046	2.81E-13	3.14E-12	519.8608	523.3257	507.1882	1060.26	924.0958	924.5811
2290	CALCOCO1	1761.316	0.904741	0.121675	7.435727	1.04E-13	1.21E-12	1143.802	1417.797	1118.04	2229.895	2301.683	2356.677
5161	EFNA1	205.2556	0.904687	0.196807	4.596832	4.29E-06	2.21E-05	148.5317	134.1159	147.4951	276.7837	233.1631	291.444
10887	LOC103222	60.94521	0.903635	0.340647	2.652697	0.007985	0.0195	38.88813	48.17224	39.65669	93.74933	81.28621	64.31869
11255	LOC119621	17853.73	0.903271	0.351587	2.569123	0.010196	0.024083	9987.399	11622.65	15711.01	16042.3	32069.55	21689.47
14763	LOC103226	28.46755	0.902803	0.480403	1.879263	0.060209	0.108423	15.17842	23.53871	20.87194	31.24978	42.78221	37.18424
24709	FAM106B	0.800916	0.902716	3.038027	0.297139	0.76636	0.824545	0	1.094824	0.695731	0	0	3.014938
5774	ZNF688	200.6224	0.902203	0.210466	4.286692	1.81E-05	8.35E-05	153.4104	119.3358	146.1036	241.0697	301.6146	242.2001
24064	TRNAS-AG	1.334935	0.90216	2.285604	0.394714	0.693054	0.765584	1.084173	1.642235	0	0	4.278221	1.004979
2534	TFDP2	1573.774	0.901854	0.127456	7.075779	1.49E-12	1.56E-11	1066.284	1269.995	955.2392	1962.04	2102.746	2086.337
23560	LOC119619	2.758185	0.9011	1.895995	0.475265	0.634598	0.716078	4.878777	0	0.695731	6.696381	4.278221	0
1969	DPP7	4651.969	0.901061	0.111951	8.04874	8.37E-16	1.13E-14	3412.976	2943.433	3381.95	6194.152	5375.585	6603.72
20475	LOC103228	6.5144	0.901005	0.94783	0.950598	0.341808	0.443821	4.878777	4.379295	4.174388	8.928508	10.69555	6.029877
14799	LOC119625	1075.657	0.901002	0.481012	1.873138	0.061049	0.109669	952.4458	321.8781	976.8068	1334.812	1394.7	1473.3
16575	LOC119627	20.37185	0.900924	0.576812	1.561901	0.118311	0.189751	10.48173	18.06459	13.2189	26.78552	34.22577	19.09461
2170	IP6K3	1208.647	0.900757	0.117595	7.65982	1.86E-14	2.28E-13	853.2439	876.4063	802.874	1580.346	1422.509	1716.505
1884	RAI1	1911.417	0.90067	0.109483	8.226579	1.93E-16	2.72E-15	1287.997	1370.719	1346.936	2377.215	2320.935	2764.699
2023	TENM4	5203.529	0.900271	0.113577	7.926495	2.25E-15	2.96E-14	3408.639	4007.05				



24753	LOC119624	1.077978	0.898388	3.11019	0.288853	0.772694	0.82975	0	2.189647	0	0	4.278221	0
24754	LOC119625	1.077978	0.898388	3.11019	0.288853	0.772694	0.82975	0	2.189647	0	0	4.278221	0
4127	PTPRH	395.23	0.89806	0.170352	5.271797	1.35E-07	8.70E-07	258.0331	324.0678	246.9846	520.0856	468.4652	553.7437
15266	LOC10324	26.07904	0.897732	0.502885	1.785165	0.074235	0.129259	22.76763	13.13788	18.78475	31.24978	36.36488	34.1693
6833	OCEL1	145.2818	0.897623	0.235925	3.804695	0.000142	0.000552	101.9122	87.03848	116.8829	165.1774	194.6591	206.0208
3201	BCL2L11	611.0279	0.897373	0.145662	6.160666	7.24E-10	6.02E-09	443.4267	456.5415	381.2608	850.4404	697.3501	837.1479
2529	LOC119626	675.7765	0.896956	0.126641	7.082685	1.41E-12	1.49E-11	476.4939	500.8818	437.615	879.458	906.9829	853.2276
19257	CLPSL2	12.51812	0.896569	0.78387	1.143773	0.252718	0.348886	14.09425	6.02153	5.565851	17.85702	23.53022	8.039836
17118	F7	21.53578	0.8965	0.606382	1.478442	0.13929	0.216323	11.9259	16.42235	16.00182	29.01765	42.78221	13.06473
12405	ZNF575	47.39461	0.89637	0.386434	2.319596	0.020363	0.043639	29.27266	37.77142	31.30791	69.19594	70.59065	46.22906
2635	TJP2	1347.769	0.895925	0.129459	6.920552	4.50E-12	4.54E-11	883.6008	1086.065	857.8368	1810.255	1610.75	1838.107
12677	LOC119615	45.20844	0.895876	0.395492	2.265216	0.023499	0.049281	39.5723	29.56024	25.04633	69.19594	55.61688	52.25893
15329	LOC10324	25.00288	0.895413	0.504822	1.773721	0.076109	0.131996	20.59928	17.51718	13.91463	33.4819	36.36488	28.13943
23431	ZNF396	1.877119	0.895266	1.808962	0.494906	0.620667	0.704213	1.084173	2.189647	0.695731	0	4.278221	3.014938
18185	LOC119618	265.4865	0.895221	0.686117	1.304764	0.191973	0.280634	92.15468	372.24	92.53227	383.9258	280.2235	371.8424
19637	LOC11962	12.79574	0.89522	0.829276	1.079519	0.280356	0.379545	3.252518	8.758589	14.61036	11.16063	29.94755	9.044815
3741	ASAP1	4457.293	0.895188	0.159746	5.603829	2.10E-08	1.49E-07	2599.846	4112.705	2638.909	5544.603	5859.024	5988.673
16278	LOC10324	20.89726	0.894892	0.555149	1.611984	0.106965	0.174695	18.43094	11.49565	13.91463	22.32127	32.08666	27.13445
2543	GNPTG	1232.573	0.894823	0.126689	7.063127	1.63E-12	1.70E-11	870.5907	794.842	926.0185	1540.168	1458.873	1804.943
1707	PTGFR	2424.586	0.894791	0.102817	8.702766	3.24E-18	5.04E-17	1718.414	1771.425	1600.182	3212.031	2904.912	3340.552
3607	LOC10322	344.9126	0.894721	0.156088	5.732163	9.92E-09	7.31E-08	240.6863	256.7361	226.8084	453.1218	427.8221	464.3005
1324	NUCB1	8332.592	0.894695	0.091426	9.785997	1.29E-22	2.60E-21	5870.253	5929.017	5691.083	10816.89	10034.57	11653.74
11957	LOC10323	80.29755	0.89455	0.370714	2.413048	0.01582	0.035173	42.82482	73.90059	50.09266	111.6063	139.0422	64.31869
22078	NEUROG2	3.816187	0.894491	1.255149	0.712657	0.476058	0.57324	1.084173	2.737059	4.174388	4.464254	6.417332	4.019918
1791	TRIM16	4161.284	0.894482	0.10552	8.476939	2.31E-17	3.43E-16	3118.623	2677.939	2941.552	5178.535	5131.726	5919.329
28982	LOC11962	0.566904	0.894269	3.900188	0.229289	0.818645	NA	0	0	1.391463	0	0	2.009959
20836	LOC10323	9.087151	0.894216	0.994235	0.899401	0.368439	0.470098	5.420864	5.474118	7.653045	17.85702	17.11289	1.004979
1113	LRRC17	6531.446	0.894212	0.085459	10.46369	1.27E-25	3.03E-24	4684.71	4301.015	4724.016	8486.547	8492.269	8500.116
22498	LOC10321	3.274891	0.893979	1.39818	0.639388	0.522571	0.617501	0.542086	2.737059	3.478657	4.464254	6.417332	2.009959
12129	MST1R	48.62296	0.893683	0.375606	2.37931	0.017345	0.038018	40.11439	27.918	34.09084	53.57105	72.72976	63.31371
21682	LRRC74B	4.615554	0.893347	1.145598	0.779809	0.435504	0.533985	4.878777	3.284471	1.391463	6.696381	6.417332	5.024897
16074	SIX2	36.89676	0.893335	0.540571	1.652578	0.098417	0.162773	19.51511	29.01283	27.82925	44.64254	81.28621	19.09461
15152	EVPL	32.83098	0.893313	0.49476	1.80555	0.070989	0.124553	13.55216	22.44388	32.69937	51.33892	42.78221	34.1693
2123	TRIM2	1388.167	0.893307	0.115295	7.748004	9.33E-15	1.17E-13	926.9677	1075.117	914.191	1805.791	1715.567	1891.371
2176	HCFC1R1	3553.72	0.893177	0.116677	7.655138	1.93E-14	2.36E-13	2214.965	2881.576	2366.182	4689.699	4468.602	4701.294
5391	LOC119615	289.8339	0.893146	0.199881	4.468396	7.88E-06	3.89E-05	227.1342	156.0124	226.8084	350.4439	378.6226	399.9818
20078	HERC5	8.962565	0.893092	0.878935	1.016107	0.309579	0.409909	7.047123	7.116354	4.174388	11.16063	19.252	5.024897
21397	LOC11962	7.782755	0.892608	1.092227	0.817237	0.413793	0.514123	13.01007	2.189647	1.391463	4.464254	8.556443	17.08465
20988	MKRN3	6.492079	0.892463	1.012995	0.881013	0.378311	0.479197	2.710432	7.116354	4.174388	4.464254	6.417332	14.06971
13612	RUND3A	41.0034	0.892057	0.427378	2.087279	0.036863	0.071995	25.47806	24.08612	37.56949	37.94616	55.61688	65.32367
19195	CUNH1orf	10.06741	0.891412	0.771945	1.154761	0.248188	0.34374	5.96295	8.758589	6.261582	13.39276	14.97377	11.05477
9639	HOXA2	98.56026	0.890975	0.301906	2.951167	0.003166	0.008731	50.95612	88.1333	67.48594	149.5525	117.6511	117.5826
16864	LOC11962	18.26649	0.890464	0.588582	1.512897	0.130306	0.205419	11.38381	11.49565	16.00182	22.32127	19.252	29.1444
1945	AHR	2607.521	0.890295	0.10985	8.104622	5.29E-16	7.23E-15	1729.256	2064.29	1689.236	3390.601	3315.622	3456.124
8097	F8	145.894	0.889924	0.26314	3.381942	0.00072	0.002363	98.65972	121.5254	84.1835	216.5163	211.772	142.7071
7077	COL21A1	150.5431	0.889678	0.240253	3.703087	0.000213	0.0008	108.4173	119.3358	88.35788	165.1774	231.024	190.9461
22502	TRNAC-GC	3.256726	0.889573	1.392051	0.639038	0.522798	0.61766	2.168345	1.094824	3.478657	2.232127	8.556443	2.009959
11770	PKNOX2	72.75843	0.889181	0.362245	2.454644	0.014102	0.031853	33.60935	68.42648	51.48412	71.42806	109.0946	102.5079
8169	SPSB4	95.53485	0.889046	0.264794	3.357505	0.000786	0.00256	72.63957	67.33165	61.22436	118.3027	124.0684	129.6424
21877	LOC10324	4.364822	0.888991	1.187746	4.784469	0.454177	0.551918	2.710432	2.737059	3.478657	6.696381	8.556443	2.009959
4991	DUSP8	215.8745	0.888869	0.189347	4.694397	2.67E-06	1.42E-05	143.6529	146.7064	163.4969	305.8014	265.2497	270.3395
2418	TRIM6	1969.104	0.88849	0.122579	7.248325	4.22E-13	4.64E-12	1302.091	1602.274	1239.793	2450.875	2575.489	2644.101
19678	LOC10322	11.18183	0.888405	0.827133	1.074078	0.282788	0.382047	4.878777	8.758589	10.43597	15.62489	4.278221	23.11453
23148	LOC11962	2.41522	0.888224	1.653389	0.537214	0.59112	0.67891	1.626259	2.737059	0.695731	0	6.417332	3.014938
7720	PPARGC1A	145.1052	0.88801	0.254721	3.486205	0.00049	0.001687	77.51835	128.0944	99.48959	198.6593	183.9635	182.9063
4656	LOC119618	376.8278	0.887894	0.180663	4.914646	8.89E-07	5.08E-06	317.6626	226.6285	247.6804	466.5145	541.195	461.2856
24249	PDX1	1.627806	0.887794	2.409425	0.368467	0.712525	0.781165	0	0	3.478657	0	4.278221	2.009959
16885	CACNA1C	34.13705	0.887621	0.588174	1.509113	0.13127	0.206681	15.17842	22.9913	32.69937	53.57105	66.31243	14.06971
19709	LOC10324	11.95734	0.887503	0.831156	1.067794	0.285614	0.385257	14.09425	4.379295	6.261582	11.16063	27.80844	8.039836
6643	KSR2	163.8983	0.887429	0.228697	3.880379	0.000104	0.000417	94.32303	136.853	113.4042	218.7484	216.0502	204.0108
1853	DNAJB2	2359.767	0.886652	0.106918	8.292819	1.11E-16	1.59E-15	1645.232	1739.675	1589.746	2924.086	2877.104	3382.761
22499	LOC11962	3.277424	0.886329	1.386768	0.639133	0.522737	0.617615	3.794605	2.189647	0.695731	6.696381	4.278221	2.009959
19137	LOC11962	12.18484	0.886231	0.761778	1.163371	0.244679	0.339906	10.84173	5.474118	9.740239	6.696381	19.252	21.10457
23488	LOC10321	2.758315	0.886137	1.821648	0.486448	0.626649	0.709219	0	2.189647	3.478657	4.464254	6.417332	0
18678	LOC11962	13.11869	0.886013	0.719492	1.231443	0.218157	0.310493	12.46799	7.663765	6.957314	22.32127	19.252	10.04979
1817	CD46	9579.667	0.885711	0.105324	8.409389	4.12E-17	6.03E-16	7273.173	5844.716	7068.631	12140.54	12306.3	12844.64
24347	LOC11962	1.091706	0.885342	2.49569	0.354748	0.722778	0.789217	1.084173	1.094824	0	2.232127	2.139111	0
9801	LOC11962	103.665	0.885006	0.304687	2.904642	0.003677	0.009973	74.26583	66.78424	80.00911	104.91	109.0946	186.9262
14325	ANO7	46.86378	0.884746	0.452054	1.95717	0.050327	0.0934	30.35684	23.53871	44.52681	42.41041	94.12087	46.22906
1795	MRAS	1360.829	0.884709	0.104446	8.470466	2.44E-17	3.62E-16	956.7824	998.4791	914.8868	1743.291	1713.428	1838.



1173	NCOA4	16950.5	0.883546	0.086116	10.25996	1.07E-24	2.42E-23	12316.74	11670.27	11766.9	21656.1	20864.89	23428.08
18683	GRM7	16.40375	0.883374	0.717426	1.231309	0.218207	0.310522	6.505036	10.94824	16.69755	17.85702	36.36488	10.04979
21741	LOC119625	4.347176	0.883144	1.145929	0.770679	0.440897	0.539106	3.252518	3.831883	2.087194	4.464254	6.417332	6.029877
3809	ATG16L2	674.1185	0.883128	0.159671	5.530925	3.19E-08	2.22E-07	523.1133	386.4727	515.5369	819.1906	823.5576	976.84
2561	TCEAL9	2521.468	0.882734	0.125529	7.032095	2.03E-12	2.11E-11	1572.593	2086.186	1658.624	3412.922	3292.091	3106.392
2187	LOC119625	1343.089	0.882636	0.115625	7.633626	2.28E-14	2.77E-13	910.163	1040.63	884.9703	1696.417	1679.202	1847.152
24590	LOC119626	1.077091	0.88249	2.77292	0.318253	0.750293	0.811165	0.542086	1.642235	0	0	4.278221	0
4001	ATG4A	430.2898	0.882427	0.164214	5.373648	7.72E-08	5.13E-07	260.7435	353.628	294.2944	540.1747	554.0297	578.8682
3628	LOC119625	777.585	0.882282	0.154429	5.71318	1.11E-08	8.13E-08	593.5846	443.4036	606.6778	986.6001	934.7914	1100.453
2001	GPCPD1	1691.215	0.881939	0.110509	7.980669	1.46E-15	1.93E-14	1297.755	1147.923	1125.693	2049.093	2220.397	2306.428
21715	LOC103235	5.262573	0.881788	1.136545	0.77585	0.437838	0.536031	2.168345	3.284471	5.565851	13.39276	2.139111	5.024897
14067	LOC103235	35.18116	0.881714	0.440804	2.00024	0.045474	0.085941	27.6464	18.612	27.82925	40.17829	55.61688	41.20416
1335	ACO1	5411.176	0.881526	0.090342	9.757601	1.71E-22	3.41E-21	3803.278	3978.589	3644.241	6841.469	6776.703	7422.778
20642	GSTM3	7.636622	0.88066	0.948012	0.928955	0.352912	0.454468	3.252518	4.379295	8.348776	6.696381	17.11289	6.029877
3633	ANKRD12	3532.373	0.880567	0.154228	5.709516	1.13E-08	8.29E-08	2076.733	3215.497	2166.507	4450.861	4804.443	4480.198
1855	PPARD	1580.568	0.880521	0.106233	8.288584	1.15E-16	1.64E-15	1087.425	1175.293	1078.384	2011.146	1942.312	2188.845
22777	OASL	2.72382	0.880513	1.476772	0.596242	0.551014	0.643136	3.252518	1.642235	0.695731	4.464254	4.278221	2.009959
1771	ACADVL	4897.209	0.8802	0.103175	8.531128	1.45E-17	2.18E-16	3651.494	3316.768	3381.254	6078.082	5916.78	7038.876
18314	LOC103225	14.91326	0.879966	0.687488	1.279973	0.200555	0.291128	13.01007	8.758589	9.740239	8.928508	29.94755	19.09461
7755	DRC3	159.6111	0.879546	0.252977	3.476783	0.000507	0.00174	123.5957	80.46954	134.2762	189.7308	207.4937	222.1005
2114	PCYT1A	2234.742	0.879278	0.113072	7.776235	7.47E-15	9.40E-14	1479.896	1710.662	1536.175	2758.909	2720.949	3201.865
13106	LOC103234	40.70162	0.87909	0.40205	2.186519	0.028778	0.058374	26.56223	32.2973	26.43779	55.80317	59.8951	43.21412
1457	DNAJC6	4816.888	0.879085	0.093996	9.352384	8.57E-21	1.56E-19	3371.235	3597.043	3214.279	6006.654	6094.326	6617.79
2573	HPICAL1	1329.495	0.878624	0.125122	7.022158	2.18E-12	2.26E-11	994.1864	822.76	996.9831	1665.167	1623.585	1874.287
23119	LOC119624	2.46078	0.878451	1.62506	0.540565	0.588807	0.677081	1.084173	0.547412	3.478657	2.232127	6.417332	1.004979
14713	LOC119618	34.57328	0.8784	0.465212	1.888173	0.059003	0.106612	31.9831	18.612	22.2634	33.4819	59.8951	41.20416
1443	INSIG1	4004.578	0.878381	0.093549	9.389565	6.02E-21	1.11E-19	2976.596	2650.568	2841.367	5087.017	5044.023	5427.894
17368	LOC103225	18.66643	0.878206	0.611412	1.436357	0.150901	0.23098	12.46799	10.40082	16.00182	31.24978	27.80844	14.06971
2398	VPS28	7145.61	0.878195	0.120731	7.273986	3.49E-13	3.87E-12	5468.025	4312.51	5330.694	9124.935	8391.731	10245.77
19790	LOC119625	14.19026	0.878127	0.832535	1.054763	0.291534	0.391633	10.29964	6.02153	13.2189	8.928508	40.6431	6.029877
2101	SIDT2	1778.882	0.878023	0.112653	7.794074	6.49E-15	8.21E-14	1312.391	1203.759	1249.534	2270.073	2089.911	2547.623
17924	LOC103225	17.88082	0.877889	0.647444	1.355929	0.175122	0.259742	15.7205	6.568942	15.30609	33.4819	17.11289	19.09461
2071	CRELD1	1316.983	0.877319	0.111762	7.849868	4.16E-15	5.35E-14	954.6141	886.8071	948.2819	1624.988	1630.002	1857.202
15074	NOD2	29.94051	0.877187	0.481745	1.820852	0.068629	0.121037	22.22554	17.51718	22.95914	53.57105	34.22577	29.1444
6004	CCDC183	165.3346	0.876881	0.210688	4.161997	3.15E-05	0.00014	120.8853	122.0728	107.1426	194.195	224.6066	223.1054
2255	DCTN6	2363.256	0.876593	0.116874	7.500311	6.37E-14	7.51E-13	1486.401	1886.381	1625.228	3002.211	3240.753	2938.56
20315	LOC103246	13.29766	0.876371	0.898275	0.975615	0.329255	0.430877	4.878777	14.23271	8.348776	26.78552	23.53022	2.009959
4131	BCL3	439.1021	0.875943	0.166175	5.271194	1.36E-07	8.72E-07	259.1173	356.9125	313.7748	589.2815	532.6386	582.8881
23227	ADAM30	2.757427	0.875667	1.667878	0.525019	0.59957	0.686248	0.542086	1.642235	3.478657	4.464254	6.417332	0
16268	LOC103245	24.41769	0.875338	0.542277	1.61419	0.106486	0.174019	11.38381	16.96977	22.95914	35.71403	36.36488	23.11453
1405	TSC22D1	4892.867	0.874988	0.091916	9.51944	1.74E-21	3.29E-20	3626.016	3260.932	3475.178	6314.687	6051.544	6628.845
7495	CFAP45	127.4141	0.874147	0.245379	3.562439	0.000367	0.001303	91.6126	102.9134	75.13899	174.1059	151.8769	168.8366
3701	PCMT1	2382.292	0.873995	0.154996	5.638827	1.71E-08	1.23E-07	1917.902	1241.53	1888.215	2977.657	3052.511	3215.934
23870	BANF2	1.378352	0.873508	2.044464	0.427255	0.669194	0.74532	1.084173	0.547412	1.391463	2.232127	0	3.014938
8360	LOC119625	111.677	0.873467	0.265128	3.294513	0.000986	0.003135	75.89209	81.01695	77.92191	176.338	143.3204	115.5726
21513	LOC119626	6.059346	0.873368	1.088966	0.802015	0.422544	0.522165	1.626259	2.737059	8.348776	8.928508	10.69555	4.019918
1870	MTARC2	1235.091	0.87322	0.105816	8.252215	1.55E-16	2.21E-15	912.8734	840.2771	865.4898	1582.578	1555.133	1654.196
16967	LOC103225	18.89148	0.873061	0.583246	1.496902	0.134419	0.210616	11.38381	14.23271	13.91463	26.78552	29.94755	17.08465
2079	R3HCC1	1016.665	0.872794	0.111303	7.841628	4.45E-15	5.69E-14	742.6583	688.6441	724.2564	1352.669	1247.102	1344.663
20748	LOC119624	8.315263	0.872747	0.958322	0.910704	0.362451	0.464419	7.047123	5.474118	4.87012	22.32127	2.139111	8.039836
3662	BATF2	360.9318	0.872511	0.153445	5.686141	1.30E-08	9.43E-08	257.491	245.7879	263.6822	455.3539	442.7959	500.4798
22844	FEM1A	2.470058	0.871881	1.487044	0.586318	0.557662	0.648986	2.168345	1.642235	1.391463	4.464254	2.139111	3.014938
23875	TRNAT-UG	1.37924	0.871405	2.044301	0.42626	0.669918	0.745876	0.542086	1.094824	1.391463	2.232127	0	3.014938
23876	MT3	1.37924	0.871405	2.044301	0.42626	0.669918	0.745876	0.542086	1.094824	1.391463	2.232127	0	3.014938
2497	PTK2	6817.676	0.871399	0.122046	7.139925	9.34E-13	9.94E-12	4269.472	5708.41	4481.206	8602.617	8487.917	9356.359
3457	POLB	566.0428	0.870641	0.147653	5.896539	3.71E-09	2.86E-08	417.9486	347.0591	434.1364	763.3874	759.3843	674.3412
17336	LRRC66	16.94849	0.869734	0.603166	1.441948	0.149317	0.22898	13.01007	13.6853	9.044508	22.32127	23.53022	20.09959
6661	SLC22A4	209.0669	0.869552	0.224531	3.872757	0.000108	0.000429	177.2622	119.3358	148.8865	258.9267	237.4413	312.5486
17043	LOC103235	26.7003	0.869474	0.584653	1.487162	0.136972	0.213647	15.17842	9.306001	32.00364	37.94616	40.6431	25.12449
20489	LOC119625	8.831472	0.869335	0.916563	0.948472	0.342889	0.444903	7.589209	7.116354	3.478657	20.08914	10.69555	4.019918
13699	SCN4B	43.5491	0.869196	0.420252	2.068274	0.038614	0.074937	21.14137	36.67659	34.09084	53.57105	70.59065	45.22408
1760	HSD17B11	1499.869	0.869172	0.101387	8.572777	1.01E-17	1.53E-16	1092.304	1006.143	1085.341	1986.593	1895.252	1933.58
3982	MXD1	513.2834	0.868991	0.161268	5.388487	7.11E-08	4.74E-07	311.6997	426.9812	351.3443	613.8349	699.4892	676.3512
11456	LOC119624	60.73161	0.868942	0.344053	2.525601	0.01155	0.026803	37.94605	47.07742	43.13534	100.4457	68.45154	67.33362
23233	LOC103216	1.917341	0.868884	1.657917	0.524082	0.600222	0.686836	1.084173	1.642235	1.391463	2.232127	2.139111	3.014938
1831	RAB5A	6208.919	0.868532	0.103829	8.364984	6.01E-17	8.73E-16	4237.489	4949.15	3995.585	7915.122	8141.455	8014.711
22820	LOC119625	2.989994	0.867747	1.471906	0.58954	0.555499	0.647123	4.336691	0.547412	1.391463	2.232127	6.417332	3.014938
17678	IL4I1	24.13448	0.867645	0.624378	1.389615	0.164646	0.24761	18.43094	9.306001	22.95914	24.5534	53.47777	16.07967
9177	TLE6	85.80839	0.867616	0.283381	3.061665	0.002201	0.006376	66.13454	59.66789	57.04997	93.74933	117.6511	120.5975
4717	PRADC1	454.2115	0.86689	0.177968									



3965	CDK18	477.5507	0.866364	0.160401	5.401238	6.62E-08	4.44E-07	298.1475	344.322	375.6949	542.4069	620.3421	684.391
23315	LOC103225	1.918229	0.866316	1.69378	0.511469	0.609023	0.69444	0.542086	2.189647	1.391463	2.232127	2.139111	3.014938
5960	SFRP1	166.8374	0.866058	0.207092	4.181995	2.89E-05	0.000129	125.222	119.3358	109.2298	218.7484	222.4675	206.0208
16420	LOC119615	21.378	0.865703	0.545814	1.586077	0.112722	0.182504	17.88885	10.94824	16.69755	26.78552	27.80844	28.13943
1566	ATP6V1A	9556.282	0.865666	0.095604	9.054679	1.37E-19	2.33E-18	7233.058	6230.641	6857.128	12022.24	11897.73	13096.89
1894	DSCC1	1157.966	0.865398	0.10545	8.206722	2.27E-16	3.19E-15	813.6716	847.9409	800.7868	1444.186	1533.742	1507.469
2646	CCNG2	940.0876	0.865211	0.125327	6.903651	5.07E-12	5.09E-11	635.8673	745.0275	617.8095	1160.706	1262.075	1219.04
2276	TMEM127	1635.041	0.865064	0.116039	7.454928	8.99E-14	1.05E-12	1100.435	1287.513	1091.603	2078.11	1989.373	2263.214
21044	LOC103244	6.3503	0.86466	0.988984	0.874292	0.38196	0.482532	3.794605	2.737059	6.957314	11.16063	6.417332	7.034856
23938	LOC119615	1.39066	0.86462	2.071227	0.417443	0.676354	0.751112	1.084173	1.094824	0.695731	4.464254	0	1.004979
18940	MN1	18.96002	0.864188	0.722074	1.196813	0.231379	0.324774	8.673382	10.94824	20.17621	17.85702	47.06043	9.044815
11446	KIF5C	83.11152	0.864184	0.341996	2.526887	0.011508	0.026729	48.24569	74.99542	52.87558	80.35657	149.7377	92.45811
21855	LOC119625	4.984256	0.864117	1.149307	0.751859	0.452136	0.54999	2.710432	2.737059	4.87012	11.16063	6.417332	2.009959
17962	LOC103225	21.16865	0.86376	0.640243	1.349113	0.177301	0.262413	8.131296	9.853413	27.13352	24.5534	34.22577	23.11453
13201	LOC103235	41.12961	0.863328	0.398021	2.169049	0.030079	0.060575	34.15144	25.18094	28.52499	53.57105	47.06043	58.28881
17391	KIF17	31.08963	0.862585	0.603024	1.430434	0.152593	0.233236	24.39389	24.63353	16.00182	35.71403	72.72976	13.06473
21152	LOC119625	6.568381	0.862004	1.004468	0.85817	0.390799	0.491177	2.168345	4.379295	7.653045	4.464254	10.69555	10.04979
6408	LOC103245	170.7828	0.861981	0.216814	3.975677	7.02E-05	0.000291	133.8953	123.1677	107.8384	198.6593	213.9111	247.2249
10353	LOC119625	89.54834	0.861624	0.310421	2.775664	0.005509	0.014146	82.39713	51.45671	55.65851	127.2312	124.0684	96.47803
4648	NR1H3	470.3022	0.861397	0.175151	4.918036	8.74E-07	5.00E-06	397.8914	273.1585	331.8639	542.4069	635.3159	641.1769
2025	ITPR3	13889.46	0.861234	0.108664	7.925677	2.27E-15	2.98E-14	9386.225	10632.38	9575.351	17120.41	16327.83	20294.56
3299	LOC103225	563.5428	0.861105	0.142485	6.043483	1.51E-09	1.22E-08	391.9284	370.5978	436.9193	801.3336	693.0719	687.406
19729	LOC119615	12.33449	0.861062	0.80915	1.064157	0.287258	0.387082	4.878777	9.853413	11.1317	11.16063	29.94755	7.034856
18377	LOC119625	13.15805	0.86094	0.679126	1.267717	0.204899	0.296443	9.215468	8.211177	10.43597	15.62489	21.39111	14.06971
21344	LOC119625	5.51844	0.860687	1.042994	0.825209	0.409253	0.509745	4.878777	3.284471	3.478657	11.16063	4.278221	6.029877
1141	SCARB2	9173.351	0.860668	0.08318	10.34709	4.31E-25	1.00E-23	6468.717	6739.187	6341.591	11528.94	11617.51	12344.16
22183	LOC103215	3.827937	0.86059	1.239314	0.694408	0.487426	0.584151	4.336691	1.642235	2.087194	4.464254	6.417332	4.019918
22373	LOC119624	4.115307	0.86031	1.298599	0.662491	0.507657	0.603229	2.710432	1.642235	4.174388	4.464254	10.69555	1.004979
22879	LOC119625	2.764043	0.859812	1.47658	0.5823	0.560365	0.651134	3.252518	1.094824	1.391463	6.696381	2.139111	2.009959
19690	LOC103245	10.75669	0.859466	0.802248	1.071322	0.284025	0.383484	3.794605	6.568942	12.52316	15.62489	14.97377	11.05477
20610	LOC119625	6.883064	0.859362	0.918803	0.935306	0.34963	0.450979	4.878777	4.926706	4.87012	11.16063	6.417332	9.044815
7096	ECHDC2	131.0816	0.859276	0.232338	3.698391	0.000217	0.000813	102.9964	89.77554	86.27069	162.9453	179.6853	164.8166
5237	PPP1R16A	1139.104	0.859271	0.188419	4.560425	5.11E-06	2.59E-05	992.0181	551.2437	887.0575	1473.204	1341.222	1589.878
15851	LOC119625	25.18136	0.859112	0.507982	1.691225	0.090794	0.152278	18.43094	21.89647	13.2189	20.91765	36.36488	32.15934
12775	LOC103224	47.76567	0.859053	0.382765	2.244336	0.024811	0.051632	29.27266	38.31883	33.39511	62.49956	74.86887	48.23901
20637	LOC119625	9.56654	0.858609	0.923264	0.929972	0.352386	0.45395	5.96295	3.831883	10.43597	4.464254	25.66933	7.034856
3440	ZNF572	421.5277	0.85856	0.145294	5.909143	3.44E-09	2.66E-08	318.7468	297.2446	283.8584	522.3177	541.195	565.8034
20740	PKP1	7.711198	0.856771	0.939779	0.911672	0.361941	0.463944	2.168345	7.116354	6.957314	11.16063	12.83466	6.029877
23936	LOC103225	1.363737	0.856743	2.050331	0.417856	0.676053	0.750871	0.542086	1.094824	1.391463	0	2.139111	3.014938
2585	PITPNM2	830.9699	0.855863	0.122181	7.004857	2.47E-12	2.54E-11	622.3152	562.1919	592.7631	1051.332	1007.521	1149.697
6175	ZNF425	199.6895	0.855789	0.209314	4.088546	4.34E-05	0.000187	158.8313	137.9478	131.4932	220.9806	252.4151	296.4689
5363	SLC35E4	396.1992	0.85575	0.190905	4.482593	7.37E-06	3.66E-05	320.9151	215.1328	311.6877	520.0856	455.6306	553.7437
2868	ADAMTS15	1241.831	0.855362	0.129832	6.588205	4.45E-11	4.13E-10	918.2943	754.3335	980.9812	1667.399	1505.934	1624.047
20337	LOC103245	10.09611	0.855133	0.880522	0.971166	0.331466	0.4333	7.047123	6.568942	7.653045	4.464254	27.80844	7.034856
13180	DDN	47.45617	0.855116	0.393341	2.173981	0.029707	0.05992	24.93597	36.12918	41.04815	49.10679	64.17332	69.34358
22784	CXCL6	3.795512	0.854988	1.436316	0.595265	0.551666	0.64371	3.252518	3.284471	1.391463	0	12.83466	2.009959
2195	CDK2AP2	1236.725	0.854929	0.112202	7.619523	2.55E-14	3.08E-13	848.9073	949.7595	844.6179	1616.06	1503.795	1657.211
14368	IL37	36.49354	0.854755	0.438572	1.948952	0.051301	0.094922	22.22554	27.37059	27.82925	40.17829	64.17332	37.18424
15462	C1QTNF2	42.02567	0.854274	0.487912	1.750877	0.079967	0.137486	40.11439	26.27577	22.2634	44.64254	87.70354	31.15436
6097	MAPK8IP2	195.6185	0.85414	0.207192	4.122449	3.75E-05	0.000163	152.8684	116.5987	148.1908	267.8552	245.9977	242.2001
8121	AJM1	121.3057	0.853937	0.253218	3.372338	0.000745	0.00244	92.15468	71.16354	96.70666	162.9453	139.0422	165.8216
2458	AIFM2	1375.7	0.853282	0.118749	7.185601	6.69E-13	7.24E-12	1028.88	931.6949	983.7642	1823.648	1563.69	1922.526
17681	TSHR	17.26582	0.852487	0.613907	1.388626	0.164947	0.248012	11.9259	10.94824	13.91463	15.62489	32.08666	19.09461
23204	SDR42E2	2.453136	0.852227	1.610705	0.529102	0.596735	0.683684	1.084173	3.284471	0.695731	2.232127	6.417332	1.004979
18646	LOC103225	21.62095	0.851655	0.690352	1.233653	0.217332	0.309867	23.30971	6.02153	16.69755	13.39276	49.19955	21.10457
3555	RBK5	860.8105	0.851483	0.146772	5.801412	6.58E-09	4.92E-08	678.15	518.9464	646.3344	1176.331	973.2954	1171.806
17853	LOC119624	17.93834	0.851291	0.622035	1.368557	0.171138	0.254829	8.673382	12.59047	16.69755	26.78552	27.80844	15.07469
10498	EXD3	94.50852	0.850018	0.309666	2.744951	0.006052	0.015326	88.36008	47.62483	66.79021	113.8385	119.7902	130.6473
16569	LOC103245	22.6536	0.849286	0.543576	1.562405	0.118193	0.18964	18.97302	13.6853	15.30609	40.17829	25.66933	22.10955
20645	SHISAL2B	8.05344	0.849166	0.914105	0.928959	0.352911	0.454468	7.047123	3.831883	6.261582	17.85702	4.278221	9.044815
2616	TACC1	3631.248	0.849045	0.12203	6.957666	3.46E-12	3.52E-11	2408.49	3026.093	2345.31	4504.432	4462.185	5040.977
21697	LOC119625	5.758414	0.849045	1.091527	0.777851	0.436657	0.535029	3.794605	2.737059	5.565851	4.464254	14.97377	3.014938
9963	NEK10	96.43447	0.849002	0.295612	2.872018	0.004079	0.010883	75.89209	57.47824	71.66033	127.2312	151.8769	94.46807
2692	LPCAT3	2404.234	0.848659	0.123952	6.846683	7.56E-12	7.46E-11	1605.118	1999.695	1547.307	3044.621	2926.303	3302.363
1842	UBR3	4130.468	0.848471	0.101853	8.330352	8.06E-17	1.16E-15	2891.489	3199.075	2762.054	5093.714	5123.17	5713.308
20236	LOC119625	8.807683	0.848127	0.856814	0.989862	0.322242	0.423344	5.96295	4.926706	7.653045	11.16063	17.11289	6.029877
22453	KCTD8	3.590034	0.847974	1.306525	0.64903	0.516319	0.611337	1.084173	4.379295	2.087194	6.696381	4.278221	3.014938
16371	TRPC6	23.45126	0.847365	0.531604	1.593977	0.110941	0.180158	17.88885	13.6853	18.08902	35.71403	34.22577	21.10457
19398	LAMP5	13.99018	0.847286	0.757792	1.118099	0.263525	0.361161	9.757555	4.926706	15.30609	8.928508	29.94755	15.07469
10644	ZNF860	79.83749	0.84717	0.31									



4191 KHK	701.0111	0.846375	0.161801	5.230959	1.69E-07	1.07E-06	563.2277	412.7485	530.843	812.4942	855.6443	1031.109
2720 CUNH8orff	939.664	0.846321	0.124218	6.813162	9.55E-12	9.33E-11	673.8134	645.3985	700.6015	1120.528	1152.981	1344.663
22020 IL17RB	6.394594	0.846192	1.171417	0.722366	0.470069	0.56752	1.084173	6.02153	6.261582	11.16063	12.83466	1.004979
23133 TRNAS-CG	2.212213	0.84559	1.567029	0.539613	0.589464	0.677448	1.626259	1.642235	1.391463	4.464254	2.139111	2.009959
2642 LOC10323	1573.033	0.845429	0.122269	6.914511	4.69E-12	4.72E-11	1201.263	1005.596	1172.307	1935.254	1886.696	2237.084
21065 LOC11962	6.352405	0.845139	0.970829	0.870534	0.384009	0.484579	5.420864	2.737059	5.565851	8.928508	6.417332	9.044815
10222 PCLO	130.862	0.844067	0.300362	2.810162	0.004952	0.012878	52.63957	136.3055	71.66033	178.5702	156.1551	169.8415
4059 TCP11L2	470.5048	0.843261	0.158325	5.326139	1.00E-07	6.57E-07	326.336	343.7746	340.9084	687.4951	498.4128	626.1022
6784 LOC10324	164.8217	0.8431	0.220509	3.823425	0.000132	0.000516	105.7068	131.9262	116.1871	187.4987	239.5804	208.0308
7224 LOC10324	204.2414	0.843054	0.230365	3.659645	0.000253	0.000929	131.727	182.2881	122.4487	281.248	286.6408	221.0955
5766 DLL1	262.9365	0.842562	0.196358	4.290954	1.78E-05	8.20E-05	187.5619	178.4563	201.0664	359.3724	265.2497	385.9121
20911 LOC10323	8.016175	0.842474	0.946929	0.889691	0.373632	0.474955	2.168345	7.116354	7.653045	11.16063	14.97377	5.024897
16815 FGF11	25.34533	0.842439	0.553203	1.522839	0.127799	0.202052	16.80468	14.78012	22.2634	26.78552	51.33866	20.09959
21038 LOC11961	6.576937	0.842356	0.962529	0.87515	0.381493	0.482079	5.420864	3.831883	4.87012	4.464254	12.83466	8.039836
14815 SPTBN2	53.82436	0.842346	0.450504	1.869786	0.061514	0.110384	28.18849	42.15071	43.83108	80.35657	96.25998	32.15934
2096 LOC10322	5824.383	0.84224	0.10795	7.802149	6.09E-15	7.72E-14	4467.876	3686.819	4361.54	7566.91	6932.858	7930.293
11616 RPA4	60.8348	0.842065	0.338115	2.490466	0.012758	0.029195	49.32986	41.6033	38.96096	73.66019	94.12087	67.33362
21821 LOC10323	4.681843	0.842047	1.112367	0.756987	0.449058	0.547097	2.168345	3.831883	4.174388	4.464254	6.417332	7.034856
20028 LOC10324	10.30215	0.84199	0.823013	1.023058	0.30628	0.406554	7.047123	7.663765	6.957314	24.5534	8.556443	7.034856
8499 LOC10323	114.8592	0.84181	0.258506	3.256439	0.001128	0.003529	68.84497	93.60742	84.1835	165.1774	132.6249	144.717
20010 DPYS	9.083135	0.841374	0.818751	1.027631	0.304123	0.404054	8.131296	4.926706	6.261582	11.16063	14.97377	9.044815
3273 RHOC	10788.63	0.841372	0.138641	6.068705	1.29E-09	1.05E-08	8490.699	5945.44	8752.301	14314.63	12980.12	14248.6
3229 LOC10322	626.8933	0.841066	0.137139	6.132935	8.63E-10	7.10E-09	449.9317	477.3431	416.7431	874.9938	810.7229	731.6251
8670 PCDH10	126.4931	0.840646	0.261802	3.211002	0.001323	0.004056	72.09749	109.4824	89.74935	151.7846	186.1026	149.7419
15213 LOC11962	33.49003	0.840354	0.468445	1.793921	0.072826	0.127264	27.6464	18.612	26.43779	26.78552	49.19955	52.25893
15997 FILIP1	27.08841	0.840335	0.504382	1.666067	0.0957	0.159041	15.7205	22.9913	18.78475	42.41041	38.50399	24.11951
3826 FIGN	486.3977	0.840259	0.15224	5.519308	3.40E-08	2.36E-07	330.1306	398.5158	317.2535	587.0494	650.2896	635.147
5268 MFSD3	779.5892	0.83997	0.185012	4.540091	5.62E-06	2.84E-05	630.9885	412.2011	636.5942	966.511	868.4789	1162.761
8580 LOC11962	101.4197	0.839775	0.259664	3.234086	0.00122	0.003781	81.31296	66.78424	70.26887	124.9991	130.4858	134.6672
24671 LOC11961	0.820666	0.839515	2.755528	0.304666	0.760621	0.81963	1.084173	0	0.695731	0	2.139111	1.004979
24660 FAM237A	0.836168	0.839496	2.740596	0.306319	0.759362	0.818639	1.084173	0	0.695731	2.232127	0	1.004979
10864 LOC11962	70.5111	0.839482	0.315994	2.656641	0.007892	0.019313	42.82482	52.55153	57.04997	75.89232	96.25998	98.48799
2938 AKIRIN2	644.3778	0.839395	0.129131	6.500332	8.01E-11	7.25E-10	449.9317	471.869	466.8357	754.4589	842.8096	880.362
22128 PROM1	4.742996	0.838914	1.191527	0.704066	0.481392	0.578327	1.626259	1.642235	6.957314	8.928508	4.278221	5.024897
2475 ZNF441	948.6993	0.8388	0.117164	7.159217	8.11E-13	8.72E-12	653.2141	700.1397	688.7741	1120.528	1298.44	1231.1
23368 LOC10321	3.302438	0.838772	1.664886	0.503802	0.614401	0.698987	0	3.831883	3.478657	4.464254	0	8.039836
1739 RELN	26465.27	0.83867	0.097291	8.620182	6.68E-18	1.02E-16	18513.33	20314.45	18124.5	33100.21	31618.19	37120.93
20285 LOC10323	9.654182	0.838101	0.854705	0.980574	0.326803	0.428299	9.215468	5.474118	5.565851	13.39276	19.252	5.024897
21323 LOC11962	6.063084	0.838039	1.011022	0.828902	0.40716	0.507637	4.336691	6.568942	2.087194	8.928508	6.417332	8.039836
23604 EPYC	1.657722	0.837615	1.791228	0.467621	0.640056	0.720841	1.626259	0.547412	1.391463	2.232127	2.139111	2.009959
18189 LOC11962	15.96499	0.837107	0.642491	1.302908	0.192606	0.281497	11.9259	8.211177	14.61036	13.39276	23.53022	24.11951
21985 LOC10322	4.706459	0.837069	1.146533	0.730087	0.465337	0.562701	2.168345	4.926706	2.782925	8.928508	6.417332	3.014938
18202 LOC11962	23.41549	0.836991	0.643178	1.301335	0.193144	0.282097	10.84173	21.89647	16.69755	44.64254	36.36488	10.04979
5936 SLC17A9	220.6535	0.836924	0.199633	4.192322	2.76E-05	0.000124	174.5518	130.8314	169.7585	290.1765	280.2235	278.3793
20305 BANK1	10.25688	0.83683	0.855782	0.977854	0.328147	0.429617	4.336691	10.94824	6.261582	17.85702	17.11289	5.024897
19559 ACTG2	11.25581	0.836812	0.768031	1.089555	0.275909	0.375025	10.29964	8.758589	4.87012	11.16063	21.39111	11.05477
24056 LOC11962	1.358767	0.836743	2.109323	0.396688	0.691598	0.764305	1.626259	0.547412	0.695731	0	4.278221	1.004979
7145 SORL1	143.331	0.836565	0.227177	3.682433	0.000231	0.00086	102.9964	109.4824	94.61947	196.4272	194.6591	161.8017
13990 LOC10324	41.89268	0.83624	0.415635	2.011959	0.044224	0.084039	38.48813	24.08612	27.13352	49.10679	66.31243	46.22906
24511 LOC11962	0.821553	0.835733	2.534849	0.329697	0.741629	0.804346	0.542086	0.547412	0.695731	0	2.139111	1.004979
24513 LOC11962	0.821553	0.835733	2.534849	0.329697	0.741629	0.804346	0.542086	0.547412	0.695731	0	2.139111	1.004979
24497 LOC10324	0.837056	0.835722	2.522551	0.3313	0.740418	0.803494	0.542086	0.547412	0.695731	2.232127	0	1.004979
3646 ALDH5A1	467.3946	0.835643	0.146594	5.700394	1.20E-08	8.72E-08	338.804	363.4814	303.3389	636.1562	579.699	582.8881
14937 LYL1	36.49123	0.835534	0.452283	1.847369	0.064694	0.115142	31.9831	16.96977	29.22072	49.10679	53.47777	38.18922
1857 ATP1B1	13947.58	0.834804	0.100754	8.285527	1.18E-16	1.68E-15	9453.986	11007.9	9605.963	17283.36	16982.4	19351.88
5645 SLC14A1	213.3281	0.834448	0.191854	4.3494	1.37E-05	6.43E-05	162.6259	162.5813	134.2762	272.3195	273.8062	274.3594
22684 LOC10323	3.018264	0.833983	1.367358	0.609923	0.541913	0.635106	2.168345	2.189647	2.087194	2.232127	6.417332	3.014938
6857 ZFP28	197.2418	0.833677	0.219781	3.793208	0.000149	0.000577	126.8482	176.2666	122.4487	243.3018	250.2759	264.3096
1496 OSTM1	2819.269	0.833577	0.09005	9.256794	2.11E-20	3.74E-19	2000.841	2108.63	1969.616	3558.01	3702.801	3575.717
4814 ADCK1	352.4164	0.833525	0.17346	4.805291	1.55E-06	8.53E-06	263.454	231.0078	268.5523	450.8897	385.0399	515.5545
1638 MANBA	2361.923	0.833484	0.093874	8.878774	6.76E-19	1.10E-17	1664.747	1788.942	1641.23	2999.979	2988.338	3088.302
20414 GABRA1	8.872626	0.833467	0.868983	0.959129	0.337494	0.439494	5.96295	3.831883	9.044508	13.39276	14.97377	6.029877
11757 VSIG10L	78.3454	0.833425	0.339135	2.457503	0.013991	0.031636	42.28274	60.76271	64.70302	131.6955	96.25998	74.36848
19697 TEX45	10.79463	0.833292	0.778366	1.070566	0.284365	0.383806	7.047123	8.758589	6.957314	17.85702	17.11289	7.034856
22182 LOC11962	4.460567	0.832857	1.199189	0.694517	0.487358	0.584101	3.794605	2.737059	2.782925	11.16063	4.278221	2.009959
16604 LOC11962	22.87187	0.832583	0.534876	1.556591	0.119568	0.191442	15.17842	15.87494	18.08902	22.32127	40.6431	25.12449
24063 LOC10321	1.360542	0.832379	2.108936	0.394691	0.693071	0.765584	0.542086	1.642235	0.695731	0	4.278221	1.004979
24681 LOC11962	0.822441	0.832312	2.754111	0.302207	0.762494	0.821316	0	1.094824	0.695731	0	2.139111	1.004979
18982 LOC11962	15.3847	0.832017	0.700583	1.187607	0.234988	0.329098	5.96295	16.96977	10.43597	11.16063	25.66933	22.10955
3133 PAQR7	1018.865	0.831749	0.133299	6.239717	4.38E-10	3.72E-09	777.3519	677.1484	747.9112	1354.901	1118.755	1437.121
20445 LOC10323	8.000175	0.831686	0.870676	0.955218	0.339467	0.441415	6.505036	7.116354	3.478657	11.16063	10.69555	9.044815
7039 LOC10321	309.3857	0.831631	0.22373	3.717114	0.000202							



20289	LOC119623	9.393839	0.830834	0.847915	0.979855	0.327158	0.428868	11.38381	3.831883	4.87012	13.39276	12.83466	10.04979
10037	LOC119623	116.4581	0.8308	0.291078	2.854215	0.004314	0.011428	105.1648	59.12048	88.35788	140.624	132.6249	172.8565
19221	LOC10324	12.20432	0.830517	0.721789	1.150636	0.249882	0.345618	10.84173	8.211177	6.957314	22.32127	12.83466	12.05975
16173	LOC119623	38.31373	0.82996	0.508575	1.631933	0.102694	0.168807	36.86187	11.49565	34.09084	58.0353	49.19955	40.19918
14378	ITGAM	38.13005	0.829776	0.425873	1.948413	0.051366	0.094977	24.39389	32.84471	24.3506	49.10679	59.8951	38.18922
2021	PTEN	6776.637	0.829578	0.104532	7.936121	2.09E-15	2.74E-14	4621.286	5529.407	4490.25	8591.457	8573.556	8853.869
16797	NR2E1	23.65103	0.8293	0.543398	1.526136	0.126976	0.200968	21.14137	14.23271	16.00182	17.85702	38.50399	34.1693
22622	LOC10322	4.973686	0.828997	1.334694	0.621114	0.534525	0.628137	4.336691	3.284471	2.782925	4.464254	14.97377	0
2220	PROCR	1076.39	0.828973	0.109603	7.563412	3.93E-14	4.70E-13	765.426	822.2125	738.171	1383.919	1364.753	1383.857
4250	TMEM59	5255.564	0.828913	0.159786	5.18764	2.13E-07	1.33E-06	4266.22	2679.033	4413.72	6557.989	6823.763	6792.656
3501	ZMYND10	511.5838	0.828447	0.141554	5.852516	4.84E-09	3.68E-08	396.2651	332.8264	377.7821	656.2453	631.0376	675.3462
11954	LOC119623	196.5193	0.828438	0.343264	2.413414	0.015804	0.035147	81.31296	238.6716	104.3597	294.6408	213.9111	246.22
15915	CUNH7orf	33.78555	0.828304	0.492423	1.682097	0.09255	0.154599	31.44101	20.25424	21.56767	12.32127	59.8951	47.23404
6539	DGLUCY	160.2002	0.828005	0.211001	3.924169	8.70E-05	0.000354	123.0536	106.7453	116.8829	209.8199	194.6591	210.0407
21733	LOC119623	6.924102	0.827965	1.072431	0.772045	0.440088	0.538357	0.542086	8.211177	6.261582	8.928508	8.556443	9.044815
21191	PPP1R42	6.62716	0.827482	0.971311	0.851923	0.394257	0.494612	4.878777	4.926706	4.174388	8.928508	12.83466	4.019918
29144	LOC119623	0.537214	0.827482	3.980645	0.207876	0.835325	NA	1.084173	0	0	0	2.139111	0
29349	LOC10323	0.537214	0.827482	3.980645	0.207876	0.835325	NA	1.084173	0	0	0	2.139111	0
2224	FAM219A	2141.522	0.827481	0.109458	7.559811	4.04E-14	4.83E-13	1488.027	1663.037	1483.299	2752.213	2504.899	2957.655
3593	LOC10324	502.6355	0.827395	0.143807	5.753508	8.74E-09	6.47E-08	370.7871	343.7746	375.6949	589.2815	626.7594	709.5155
3655	PEDS1	1480.898	0.827376	0.145332	5.693003	1.25E-08	9.08E-08	934.5569	1307.219	962.1965	1787.934	1867.444	2026.039
3166	ACVR1B	1326.105	0.826821	0.13334	6.200868	5.62E-10	4.72E-09	882.5166	1101.393	887.0575	1700.881	1531.603	1853.182
1718	ATP13A3	17210.34	0.826768	0.095196	8.684915	3.79E-18	5.87E-17	12131.35	13129.67	11973.54	20888.24	21048.85	24090.36
26729	LOC11961	0.552717	0.826563	3.94086	0.209742	0.833869	NA	1.084173	0	0	2.232127	0	0
27647	TRNAV-UA	0.552717	0.826563	3.94086	0.209742	0.833869	NA	1.084173	0	0	2.232127	0	0
29447	LOC119623	0.552717	0.826563	3.94086	0.209742	0.833869	NA	1.084173	0	0	2.232127	0	0
1930	FGFR1	4757.98	0.825863	0.101526	8.134514	4.14E-16	5.70E-15	3493.205	3465.664	3343.685	5848.173	5621.583	6775.572
16141	TRNAS-AG	26.79619	0.825394	0.503555	1.639134	0.101185	0.166637	22.22554	13.6853	22.2634	26.78552	40.6431	35.17428
23717	TRNAS-UG	2.461997	0.825389	1.826918	0.451793	0.651418	0.730241	3.252518	0	2.087194	0	6.417332	3.014938
22238	LOC119623	4.194497	0.825032	1.203	0.685812	0.492832	0.589168	2.710432	2.189647	4.174388	8.928508	2.139111	5.024897
3897	ABHD14A	546.9578	0.824744	0.151395	5.447634	5.10E-08	3.48E-07	368.6187	406.1796	412.5687	720.977	592.5337	780.869
19498	ACTL6B	16.27595	0.824702	0.748964	1.101124	0.270843	0.369287	5.96295	10.40082	18.78475	8.928508	38.50399	15.07469
4462	LOC11962	15720.95	0.824633	0.163792	5.034623	4.79E-07	2.85E-06	12658.8	9483.362	11902.57	20073.52	15151.32	25056.15
2539	FUT10	1028.434	0.82456	0.116679	7.066907	1.58E-12	1.66E-11	713.3857	793.1997	717.299	1397.311	1311.275	1238.135
2367	KCTD17	1024.914	0.824109	0.112633	7.316746	2.54E-13	2.85E-12	745.3688	720.3939	756.9557	1308.026	1227.85	1390.892
5758	LOC10324	355.4902	0.823994	0.191781	4.296535	1.73E-05	8.01E-05	295.9792	203.6372	272.7267	412.9435	432.1004	515.5545
2084	ACAP2	6233.666	0.823698	0.105294	7.822807	5.17E-15	6.59E-14	4369.758	5049.874	4084.639	7685.213	7876.205	8336.305
10369	LOC119623	80.3304	0.823259	0.297088	2.771091	0.005587	0.014324	58.54533	60.76271	55.65851	107.1421	81.28621	118.5876
20979	LOC119623	7.706	0.822917	0.933426	0.881609	0.377988	0.478994	9.215468	3.831883	3.478657	6.696381	14.97377	8.039836
21012	NPFFR2	7.517267	0.822841	0.936685	0.87846	0.379694	0.480632	3.436691	8.211177	3.478657	15.62489	6.417332	7.034856
3190	GIN54	578.562	0.822533	0.133181	6.176039	6.57E-10	5.48E-09	396.2651	450.5199	408.3943	729.9055	714.463	771.8242
16826	LOC10324	22.95821	0.822487	0.540962	1.520415	0.128407	0.202882	20.0572	12.59047	16.69755	26.78552	38.50399	23.11453
16531	FAM166B	24.89543	0.822476	0.523934	1.569807	0.11646	0.18729	17.34676	15.32753	20.87194	26.78552	44.92132	24.11951
11271	LOC10323	67.7311	0.822411	0.320661	2.564739	0.101325	0.024354	44.45108	49.81448	51.48412	100.4457	89.84265	70.34856
23131	LOC119623	2.491583	0.822333	1.523732	0.539684	0.589415	0.677429	2.168345	1.642235	1.391463	4.464254	4.278221	1.004979
11883	LOC10323	58.9122	0.821726	0.338318	2.428856	0.015147	0.033886	46.61943	37.224	43.83108	64.73168	87.70354	73.3635
7250	S1PR3	160.0701	0.821513	0.224872	3.653241	0.000259	0.00095	109.5014	132.4737	104.3597	232.1412	183.9635	197.981
1610	MAF1	5927.169	0.821433	0.091742	8.953732	3.44E-19	5.67E-18	4427.761	3973.115	4454.072	7546.821	7309.341	7851.905
23858	LOC119623	1.643994	0.821348	1.914499	0.429015	0.667913	0.74423	0.542086	1.642235	1.391463	0	4.278221	2.009959
19066	LOC119623	17.45445	0.821279	0.699063	1.174829	0.240063	0.334736	17.34676	9.306001	10.43597	20.08914	38.50399	9.044815
22347	LOC119623	4.120074	0.821052	1.230604	0.667194	0.504648	0.600352	2.710432	3.284471	2.782925	2.232127	10.69555	3.014938
1941	PLEKHA1	2152.754	0.821007	0.101179	8.114427	4.88E-16	6.69E-15	1625.717	1613.223	1430.424	2694.177	2720.949	2832.032
3079	RASL11A	755.7912	0.820965	0.13024	6.303471	2.91E-10	2.51E-09	588.1637	495.4077	557.9766	946.4218	917.6785	1029.099
20453	LOC119623	8.838448	0.820868	0.860951	0.953443	0.340366	0.44241	9.215468	7.116354	2.782925	11.16063	10.69555	12.05975
1285	LAMP2	5644.075	0.819887	0.082834	9.89797	4.25E-23	8.79E-22	3937.173	4192.627	4118.034	7196.377	7103.987	7316.251
3284	UNC5A	842.4481	0.81984	0.135391	6.055331	1.40E-09	1.13E-08	592.5004	649.7778	589.2845	1080.349	934.7914	1207.985
2361	RIPK1	2149.621	0.819817	0.11191	7.325682	2.38E-13	2.68E-12	1489.653	1730.369	1446.426	2720.963	2596.88	2913.435
17663	LOC119623	19.59365	0.819318	0.587802	1.393867	0.163358	0.245873	16.80468	16.42235	9.044508	20.08914	32.08666	23.11453
16450	LOC10322	27.71358	0.818941	0.518441	1.579622	0.114194	0.184549	12.46799	19.70683	28.52499	29.01765	36.36488	40.19918
4262	PHF11	327.8072	0.818827	0.158039	5.181157	2.21E-07	1.38E-06	228.2184	249.6198	232.3743	428.5684	432.1004	395.9619
3375	PHETA1	529.3276	0.81881	0.137303	5.963522	2.47E-09	1.94E-08	381.0867	373.3349	397.2626	676.3345	620.3421	727.6051
3429	DENND4A	2017.855	0.818219	0.13827	5.917563	3.27E-09	2.53E-08	1351.421	1777.446	1253.012	2520.071	2519.872	2685.305
4831	NR2F2	1369.951	0.817727	0.170554	4.794525	1.63E-06	8.97E-06	791.4461	1304.482	878.7087	1801.326	1709.149	1734.595
16825	LOC119623	27.17763	0.816619	0.537084	1.520466	0.128394	0.202874	20.59928	23.53871	13.91463	35.71403	49.19955	20.09959
20517	SCGB3A2	9.446439	0.816592	0.866197	0.942733	0.345817	0.447515	5.420864	4.379295	10.43597	11.16063	19.252	6.029877
16584	LOC119623	23.56569	0.816069	0.523091	1.56009	0.118739	0.190344	17.88885	14.78012	18.08902	29.01765	38.50399	23.11453
10365	LRRC29	76.82173	0.815742	0.294184	2.772902	0.005556	0.01425	61.79785	55.28859	49.39693	100.4457	100.5382	93.46309
27173	LOC119623	0.538989	0.815298	3.976081	0.205051	0.837533	NA	0	1.094824	0	0	2.139111	0
28283	LOC10322	0.538989	0.815298	3.976081	0.205051	0.837533	NA	0	1.094824	0	0	2.139111	0
28456	MAGEB5	0.538989	0.815298	3.976081	0.205051	0.837533	NA	0	1.094824	0	0	2.139111	0
28473	LOC11962	0.538989	0.815298	3.976081	0.205051	0.837533	NA	0	1.094824	0	0	2.139111	0
21669	LOC10321</												



21260	LOC103245	6.663821	0.814422	0.968566	0.840853	0.40043	0.500703	4.336691	7.116354	2.782925	11.16063	8.556443	6.029877
27109	LOC103245	0.554492	0.814421	3.936499	0.20689	0.836096	NA	0	1.094824	0	2.232127	0	0
28445	LOC103235	0.554492	0.814421	3.936499	0.20689	0.836096	NA	0	1.094824	0	2.232127	0	0
28484	SLAH3	0.554492	0.814421	3.936499	0.20689	0.836096	NA	0	1.094824	0	2.232127	0	0
29600	LOC119625	0.554492	0.814421	3.936499	0.20689	0.836096	NA	0	1.094824	0	2.232127	0	0
21890	LOC119625	4.996986	0.814394	1.092215	0.745636	0.455888	0.553667	2.710432	5.474118	2.782925	6.696381	4.278221	8.039836
10762	LOC119625	76.46068	0.814358	0.304176	2.677257	0.007423	0.018336	57.46116	53.64636	55.65851	111.6063	74.86887	105.5228
2508	SLC12A7	3230.686	0.81406	0.114341	7.119589	1.08E-12	1.15E-11	2441.557	2166.109	2426.015	4053.543	3674.992	4621.901
1962	ZNF7	2470.35	0.814024	0.100913	8.06659	7.23E-16	9.80E-15	1833.878	1877.075	1665.581	3073.639	3035.398	3336.532
12547	LOC103225	51.02895	0.813677	0.354775	2.293499	0.021819	0.046231	33.06727	41.05589	36.87376	60.26743	70.59065	64.31869
16334	LOC103225	26.92425	0.813656	0.508767	1.59927	0.109761	0.178645	14.63633	17.51718	26.43779	29.01765	42.78221	31.15436
22261	LOC103235	4.486175	0.813571	1.193628	0.681596	0.495495	0.59174	3.252518	2.737059	3.478657	11.16063	4.278221	2.009959
13233	ADM	50.14247	0.81349	0.376336	2.161606	0.030649	0.061573	36.31979	37.224	35.4823	82.5887	44.92132	64.31869
13760	LOC119625	71.85514	0.813477	0.395854	2.054993	0.03988	0.077049	49.87195	35.58177	69.57314	111.6063	111.2338	53.26391
13712	RTN4R	53.35122	0.813044	0.393373	2.066853	0.038748	0.075128	49.32986	28.46541	38.96096	75.89232	47.06043	80.39836
2057	FHOD1	2213.435	0.812985	0.103222	7.876077	3.38E-15	4.37E-14	1637.643	1617.602	1566.787	2758.909	2620.411	3079.257
22942	LOC119615	3.628421	0.812853	1.418852	0.572895	0.566716	0.656705	1.084173	1.094824	5.565851	4.464254	8.556443	1.004979
18288	ECM2	21.44241	0.812752	0.632342	1.285305	0.198686	0.288826	7.047123	16.96977	22.2634	26.78552	38.50399	17.08465
20811	CUNH11or	8.05978	0.812576	0.900032	0.90283	0.366616	0.468315	7.047123	7.663765	2.782925	13.39276	6.417332	11.05477
19969	LOC103245	10.58602	0.81257	0.785596	1.034336	0.300979	0.400697	7.047123	9.853413	6.261582	17.85702	6.417332	16.07967
16805	LOC103235	26.09867	0.812212	0.532784	1.524469	0.127392	0.20153	13.55216	22.44388	20.17621	31.24978	47.06043	22.10955
3223	FBXO25	588.6862	0.812109	0.132313	6.137778	8.37E-10	6.90E-09	417.9486	460.9207	401.437	776.7802	744.4105	730.6201
2757	PRKCH	673.0029	0.811986	0.120064	6.762959	1.35E-11	1.30E-10	485.1673	498.6922	480.7504	868.2974	859.9225	845.1877
2726	ZNF250	873.2388	0.811936	0.119218	6.81054	9.72E-12	9.48E-11	635.8673	596.1315	593.4589	1002.225	1063.138	1132.612
11798	NRG3	85.59125	0.811904	0.331468	2.449419	0.014309	0.032242	57.46116	79.92212	50.09266	75.89232	115.512	134.6672
7440	LOC119625	141.8926	0.811289	0.226292	3.585136	0.000337	0.001204	116.0065	95.24966	98.09812	180.8023	173.268	187.9312
17810	LOC119625	19.36512	0.811173	0.589556	1.375904	0.168851	0.252436	14.63633	18.612	9.044508	20.08914	25.66933	28.13943
10141	PTPA43	115.0599	0.811162	0.286697	2.82934	0.004664	0.012228	95.4072	66.78424	86.96642	138.3919	188.2417	114.5677
20067	PKLR	9.992919	0.811121	0.796796	1.017978	0.308688	0.408953	4.878777	10.40082	6.261582	13.39276	14.97377	10.04979
18580	LOC119625	19.45776	0.810758	0.654816	1.238146	0.215662	0.308578	22.76763	9.853413	9.044508	26.78552	34.22577	14.06971
4195	TBC1D8	449.5808	0.810598	0.155237	5.22168	1.77E-07	1.12E-06	333.9252	345.9643	301.2517	595.9779	496.2737	624.0923
3789	LOC119625	2108.301	0.810586	0.145912	5.55529	2.77E-08	1.94E-07	1670.168	1238.793	1688.54	2667.392	2350.883	3034.033
22121	LOC103225	5.625319	0.810554	1.148829	0.705548	0.48047	0.577428	2.710432	1.094824	8.348776	11.16063	6.417332	4.019918
21512	LOC119615	5.864099	0.810215	1.010216	0.802022	0.42254	0.522165	2.710432	3.831883	6.261582	8.928508	6.417332	7.034856
3204	HOXD4	682.8394	0.809608	0.131441	6.159496	7.30E-10	6.06E-09	513.8979	507.4508	468.2272	779.0123	921.9567	906.4915
3325	SPRYD4	528.4442	0.809516	0.134478	6.019707	1.75E-09	1.40E-08	401.686	389.7572	358.9974	669.6381	697.3501	653.2367
2334	PNPLA2	1224.996	0.809453	0.109978	7.360142	1.84E-13	2.09E-12	880.8904	927.3156	864.0984	1591.507	1446.039	1640.126
3499	LMO7	2123.35	0.809408	0.138279	5.853421	4.82E-09	3.66E-08	1389.367	1891.855	1346.936	2700.874	2667.471	2743.594
20416	LOC119615	8.607241	0.809288	0.84418	0.958668	0.337726	0.439775	5.420864	4.926706	8.348776	8.928508	14.97377	9.044815
20509	MAOB	13.54399	0.809124	0.856584	0.944594	0.344866	0.447036	7.589209	10.40082	11.1317	4.464254	40.6431	7.034856
27826	LOC103215	0.553604	0.80877	3.506228	0.230667	0.817574	NA	0.542086	0.547412	0	2.232127	0	0
29601	LOC119625	0.553604	0.80877	3.506228	0.230667	0.817574	NA	0.542086	0.547412	0	2.232127	0	0
2390	CCDC134	1120.287	0.80852	0.11096	7.286562	3.18E-13	3.54E-12	838.6076	841.372	764.6088	1404.008	1379.726	1493.399
16495	PTPRN2	25.79371	0.807671	0.512558	1.575764	0.11508	0.185488	16.80468	16.42235	23.65487	22.32127	36.36488	39.1942
21067	LOC119615	9.506412	0.807313	0.927369	0.870542	0.384004	0.484579	6.505036	2.737059	11.1317	13.39276	19.252	4.019918
16648	POPOC2	22.79663	0.807146	0.521073	1.549007	0.12138	0.19383	19.51511	15.32753	14.61036	31.24978	29.94755	26.12947
19082	PTK6	15.11178	0.806834	0.688395	1.172051	0.241177	0.336	8.673382	7.116354	17.39328	24.5534	12.83466	20.09959
9728	LOC119615	150.6775	0.806543	0.275964	2.922644	0.003471	0.009485	82.93921	148.3486	97.40239	220.9806	160.4333	193.961
23116	TRNAA-AG	3.1151	0.80654	1.490922	0.540967	0.58853	0.67685	1.626259	1.642235	3.478657	8.928508	0	3.014938
23744	LOC119625	2.216646	0.806092	1.809014	0.445598	0.655888	0.734366	2.710432	0.547412	1.391463	2.232127	6.417332	0
1766	HS3ST1	2973.344	0.805952	0.094249	8.551275	1.22E-17	1.83E-16	2097.874	2302.414	2092.76	3658.456	3786.226	3902.335
3413	PYCR3	1895.561	0.805832	0.135791	5.934335	2.95E-09	2.30E-08	1545.488	1171.461	1425.554	2381.679	2149.806	2699.375
12613	ADCY10	61.14968	0.805332	0.353187	2.280187	0.022597	0.047631	52.04029	42.69812	37.56949	75.89232	98.39909	60.29877
2504	TSC22D2	3147.232	0.804957	0.112959	7.126071	1.03E-12	1.10E-11	2111.968	2624.292	2137.983	4055.775	3861.095	4092.276
12635	ANO2	67.22872	0.804167	0.353716	2.273479	0.022997	0.048388	54.75072	40.50847	50.78839	69.19594	119.7902	68.3386
19158	LOC119625	12.50578	0.804161	0.693823	1.159029	0.246444	0.341984	19.51468	7.663765	10.43597	13.39276	19.252	15.07469
12668	LOC103235	53.81899	0.804034	0.354691	2.266856	0.023399	0.049106	41.74065	32.2973	43.13534	78.12444	66.31243	61.30375
2323	VDAC3	4653.017	0.803935	0.108974	7.377337	1.61E-13	1.85E-12	3543.619	2934.675	3688.768	6073.618	5901.806	5775.617
3780	HOMEZ	2039.756	0.803814	0.144452	5.564593	2.63E-08	1.85E-07	1304.802	1848.61	1302.409	2566.946	2695.279	2520.489
18702	LOC119625	14.47854	0.803656	0.654703	1.227511	0.219631	0.312206	11.38381	11.49565	8.348776	22.32127	19.252	14.06971
8649	SKIDA1	131.6628	0.803512	0.249864	3.215793	0.001301	0.003998	91.07051	90.32295	105.0554	158.481	205.3546	139.6921
4303	ETV1	880.5206	0.803413	0.155914	5.152929	2.56E-07	1.58E-06	574.0695	793.7471	555.1936	1122.76	1152.981	1084.373
3108	MSRB2	705.0573	0.802653	0.127976	6.271888	3.57E-10	3.05E-09	516.0662	497.5973	530.1473	805.7978	939.0696	941.6658
3811	GSDMD	2651.023	0.802565	0.145123	5.530229	3.20E-08	2.23E-07	2146.662	1522.9	2130.329	3323.637	3046.094	3736.514
23627	TRNAC-GC	1.939754	0.802506	1.726071	0.464932	0.64198	0.722353	0.542086	2.189647	1.391463	2.232127	4.278221	1.004979
17389	LOC103235	20.35719	0.802394	0.560828	1.43073	0.152508	0.23316	13.55216	13.13788	17.39328	29.01765	29.94755	19.09461
4767	OPLAH	765.9093	0.802177	0.165981	4.832944	1.35E-06	7.50E-06	597.9213	455.4466	624.071	1042.403	804.3056	1071.308
18747	ECSCR	17.91584	0.80215	0.654947	1.224755	0.220667	0.312922	13.55216	7.663765	17.39328	29.01765	27.80844	12.05975
3288	PPP2R3A	3705.149	0.801965	0.132512	6.052003	1.43E-09	1.16E-08	2432.342	3289.398	2382.184	4604.878	4592.671	4929.424
6052	PTGIS	209.187	0.801783	0.193509	4.143379	3.42E-05	0.00015	164.7943	142.3271	148.8865	274.5516	282.3626	242.2001
20499	LOC103225	13.74652	0.801732	0.846618	0.946982	0.343							



19501	LOC10324:	11.71025	0.800935	0.727478	1.100975	0.270908	0.369299	7.047123	11.49565	6.957314	17.85702	12.83466	14.06971
1952	YPEL5	2010.962	0.800176	0.09888	8.092427	5.85E-16	7.97E-15	1451.165	1415.06	1532.696	2584.803	2661.054	2420.996
17329	DEF6	26.4266	0.800053	0.554094	1.443896	0.148768	0.22823	26.02015	13.6853	17.39328	29.01765	51.33866	21.10457
5313	FZD5	610.4299	0.799815	0.177251	4.512336	6.41E-06	3.21E-05	385.4234	572.5928	377.7821	781.2444	763.6625	781.874
10919	PAMR1	82.54398	0.799639	0.3021	2.646936	0.008122	0.019775	72.09749	52.55153	57.04997	89.28508	102.6773	121.6025
12096	INHA	93.17891	0.799277	0.334761	2.387602	0.016959	0.037272	81.85504	43.24553	78.61764	149.5525	96.25998	109.5428
2982	LOC11962:	733.5492	0.799103	0.12391	6.449069	1.13E-10	1.00E-09	536.6655	560.5497	511.3626	895.0829	902.7047	994.9297
22043	LOC10321:	5.012428	0.798587	1.112206	0.71802	0.472745	0.570155	1.626259	3.831883	5.565851	4.464254	8.556443	6.029877
16989	LOC10324:	30.12134	0.798441	0.534305	1.494355	0.135083	0.211392	19.51511	19.15941	26.43779	33.4819	62.03421	20.09959
3362	LRP10	3254.738	0.798323	0.133579	5.976424	2.28E-09	1.80E-08	2596.594	2000.79	2537.332	3957.561	3717.774	4718.379
9415	LOC11962:	119.468	0.797914	0.265613	3.00405	0.002664	0.007523	109.5014	78.8273	73.74753	154.0168	136.9031	163.8117
21124	TRNAP-CG	7.562625	0.797751	0.926151	0.861361	0.389039	0.489591	4.878777	7.116354	4.174388	15.62489	8.556443	5.024897
10409	RNF122	84.01474	0.797457	0.288523	2.763925	0.005711	0.014586	58.54533	55.28859	70.9646	111.6063	94.12087	113.5627
18028	LOC11961:	17.56592	0.79725	0.595718	1.3383	0.180799	0.2666	10.29964	15.87494	12.52316	22.32127	19.252	25.12449
17269	TIE1	29.53229	0.797197	0.547565	1.455893	0.145422	0.223872	14.09425	18.612	31.30791	53.57105	38.50399	21.10457
3217	ZFAT	733.9162	0.796691	0.129674	6.145475	7.97E-10	6.59E-09	509.5612	590.1099	510.6668	917.4042	889.87	985.8849
10320	LOC10323:	81.03332	0.796833	0.286283	2.783374	0.00538	0.013858	59.6295	65.14201	52.87558	98.21359	104.8164	105.5228
2482	LOC10322:	1723.714	0.796828	0.111397	7.153033	8.49E-13	9.09E-12	1241.92	1371.814	1166.742	2176.324	2059.964	2325.522
2424	SLC44A2	4984.559	0.796725	0.11013	7.234405	4.68E-13	5.13E-12	3472.063	4014.718	3443.87	6252.188	5767.042	6957.473
2058	PLAAT3	2889.025	0.79659	0.101158	7.874744	3.41E-15	4.41E-14	2096.248	2277.781	1961.267	3620.51	3525.254	3853.091
20001	LOC11962:	10.31871	0.796338	0.773472	1.029564	0.303215	0.403008	9.215468	4.926706	8.348776	13.39276	14.97377	11.05477
18066	LOC11962:	17.86066	0.796107	0.5983	1.330614	0.183316	0.269759	15.7205	13.6853	9.740239	26.78552	17.11289	24.11951
3391	ZNF365	809.3336	0.796058	0.133747	5.951951	2.65E-09	2.08E-08	563.7698	670.0321	539.8875	1084.814	975.4345	1022.064
3510	LOC10322:	967.5416	0.795927	0.136107	5.847808	4.98E-09	3.77E-08	633.1569	824.4022	665.1192	1180.795	1221.432	1280.344
3348	CTTNBP2	1650.736	0.795814	0.132725	5.995941	2.02E-09	1.61E-08	1103.688	1441.335	1074.905	2093.735	2047.129	2143.621
16635	LOC11962:	25.05019	0.795511	0.512614	1.551871	0.120693	0.192884	24.39389	15.32753	15.30609	29.01765	32.08666	34.1693
3614	MGST3	5752.38	0.795443	0.13896	5.724277	1.04E-08	7.64E-08	4744.34	3223.708	4649.573	7263.341	7270.837	7362.48
2906	AFF1	4891.658	0.795388	0.121641	6.538817	6.20E-11	5.67E-10	3181.505	4243.536	3304.724	6111.564	6102.883	6405.739
22239	LOC11962:	4.744704	0.795261	1.159809	0.685682	0.492913	0.589238	4.336691	4.379295	1.391463	8.928508	6.417332	3.014938
3240	LATS1	2067.158	0.794955	0.129896	6.119941	9.36E-10	7.68E-09	1405.088	1799.89	1330.238	2573.642	2577.628	2716.46
22192	SPI1	4.772393	0.794746	1.146537	0.693171	0.488203	0.584822	1.626259	2.737059	6.261582	6.696381	4.278221	7.034856
1783	LOC10321:	7358.269	0.794443	0.093447	8.501527	1.87E-17	2.79E-16	5173.13	5874.276	5096.928	9598.146	9170.367	9236.766
16856	LOC11962:	26.95213	0.794425	0.52468	1.514113	0.129997	0.205029	15.17842	29.01283	15.30609	26.78552	34.22577	41.20416
20229	LOC10323:	9.786099	0.794414	0.801675	0.990942	0.321714	0.422797	6.505036	7.663765	6.53045	13.9276	6.417332	17.08465
2413	CYP1B1	2133.365	0.793458	0.109392	7.25332	4.07E-13	4.48E-12	1491.822	1718.873	1473.559	2790.159	2519.872	2805.903
3400	PTPRM	7801.542	0.793434	0.133473	5.944524	2.77E-09	2.17E-08	5160.12	7051.759	4913.951	9908.412	9688.032	10086.98
22039	LOC11962:	5.00657	0.793337	1.104013	0.718594	0.472391	0.569832	3.252518	2.737059	4.87012	4.464254	10.69555	4.019918
22896	LOC11962:	3.609356	0.793244	1.36806	0.579831	0.562029	0.65257	0.542086	3.831883	3.478657	2.232127	8.556443	3.014938
2533	BNIP3L	2970.225	0.792469	0.111983	7.076721	1.48E-12	1.55E-11	1955.848	2475.944	2090.673	3774.527	3779.809	3744.554
2421	KIAA1549	4338.145	0.791511	0.109294	7.242034	4.42E-13	4.85E-12	3011.29	3570.22	2952.684	5209.784	5392.698	5892.195
1918	EFR3A	13225.71	0.791343	0.097064	8.152804	3.56E-16	4.93E-15	9167.223	10770.87	9123.125	16676.22	16366.34	17250.47
19391	LOC10323:	13.11881	0.790816	0.706641	1.11912	0.263089	0.360694	6.505036	13.6853	8.348776	17.85702	19.252	13.06473
1917	PARP3	3379.231	0.790752	0.096868	8.163178	3.26E-16	4.53E-15	2482.756	2554.224	2394.707	4153.988	4055.754	4633.96
22316	LOC10322:	4.18465	0.790583	1.175858	0.672346	0.501364	0.597273	2.168345	4.379295	2.782925	4.464254	4.278221	7.034856
23508	LOC10321:	2.790641	0.790197	1.638745	0.482196	0.629666	0.712078	2.168345	0	4.174388	2.232127	2.139111	6.029877
2607	KAZN	1142.405	0.790146	0.113357	6.970395	3.16E-12	3.22E-11	801.2037	902.6821	809.1356	1455.347	1377.587	1508.474
1838	ARMCX3	2391.988	0.790132	0.094727	8.341128	7.36E-17	1.06E-15	1791.053	1811.386	1657.232	3011.139	2962.668	3118.451
1877	PRUNE2	9924.643	0.790117	0.095933	8.23611	1.78E-16	2.52E-15	7400.021	7693.326	6729.114	12020	12201.49	13503.91
4916	LOC10324:	272.7764	0.789988	0.166795	4.736268	2.18E-06	1.18E-05	197.8615	206.3743	196.1962	343.7476	333.7013	358.7777
6658	LOC10323:	243.988	0.78992	0.203927	3.873537	0.000107	0.000428	158.8313	217.3225	160.0182	281.248	337.9795	308.5287
6038	SLC22A12	237.3395	0.789758	0.190395	4.147994	3.35E-05	0.000148	155.0367	195.426	172.5414	274.5516	305.8928	320.5885
17466	DISP3	20.90849	0.789565	0.557462	1.416356	0.156671	0.238469	14.63633	12.59047	18.78475	20.08914	34.22577	25.12449
21020	LOC10321:	9.50621	0.789457	0.899887	0.877284	0.380332	0.481024	7.589209	3.831883	9.044508	11.16063	21.39111	4.019918
15877	ZNF837	48.59651	0.789428	0.467628	1.688155	0.091382	0.153009	36.86187	20.25424	50.09266	84.82083	34.22577	65.32367
2215	PI4K2A	2276.559	0.789412	0.104195	7.57629	3.56E-14	4.27E-13	1678.41	1700.261	1631.49	2903.997	2618.271	3126.491
15812	ANKRD2	30.47138	0.789307	0.464584	1.698953	0.089328	0.150189	22.76763	18.06459	25.74206	40.17829	44.92132	31.15436
10518	LOC11962:	90.09026	0.789201	0.288039	2.739913	0.006146	0.015533	58.54533	62.95236	77.22618	93.74933	130.4858	117.5826
14775	LOC10322:	42.65063	0.788949	0.420226	1.877443	0.060457	0.108775	28.73058	33.93953	29.91645	73.66019	53.47777	36.17926
16744	ANKRD55	33.83503	0.788924	0.514243	1.534146	0.124994	0.198457	22.22554	24.08612	27.82925	71.42806	19.252	38.18922
10020	LOC11962:	204.8877	0.788907	0.276183	2.856463	0.004284	0.011366	171.8414	123.1677	153.0609	247.7661	363.6488	169.8415
8166	LOC11962:	194.5847	0.788892	0.23484	3.359281	0.000781	0.002544	158.8313	111.1246	159.3225	270.0874	196.7982	271.3445
1895	MINK1	2844.246	0.788888	0.096128	8.206622	2.27E-16	3.19E-15	1984.036	2218.113	2056.582	3578.1	3476.055	3752.593
6077	RPS6KL1	341.1691	0.788108	0.190667	4.133433	3.57E-05	0.000156	280.2587	191.5941	278.9883	448.6575	421.4048	426.1113
2523	TPRG1L	1458.478	0.787993	0.111114	7.091738	1.32E-12	1.40E-11	1121.577	995.7421	1095.777	1814.719	1741.236	1981.82
3043	KCNIP2	715.3606	0.787958	0.124105	6.349122	2.17E-10	1.89E-09	549.1335	511.2826	514.1455	843.744	958.3216	915.5363
2568	PCDH1	999.1977	0.787918	0.112173	7.024111	2.15E-12	2.23E-11	745.9108	758.7128	695.7314	1243.295	1229.989	1321.548
3955	IGDCC3	1334.758	0.787761	0.145711	5.406311	6.43E-08	4.32E-07	1089.052	799.7687	1051.946	1683.024	1514.49	1870.267
17507	NOX1	20.34625	0.787373	0.557113	1.413311	0.157564	0.23947	14.63633	15.87494	13.91463	22.32127	34.22577	21.10457
17907	LOC11962:	20.64401	0.78723	0.578711	1.360315	0.17373	0.257923	16.26259	18.06459	10.43597	26.78552	34.22577	18.08963
23528	TRPC4	2.782833	0.78718	1.644419	0.478698	0.632153	0.714289	1					



20425	MAP3K19	9.453312	0.786523	0.821075	0.957919	0.338104	0.440073	7.047123	6.02153	7.653045	6.696381	19.252	10.04979
2994	PIP5K1C	971.4164	0.786505	0.122333	6.429208	1.28E-10	1.14E-09	658.0929	745.5749	738.8667	1209.813	1146.563	1329.588
18553	KCNE5	21.74281	0.78571	0.632212	1.242794	0.213944	0.306564	13.55216	13.6853	20.17621	15.62489	51.33866	16.07967
24610	LOC103232	1.10181	0.78557	2.494197	0.314959	0.752793	0.813206	0.542086	1.094824	0.695731	0	4.278221	0
5623	LOC103222	1048.178	0.785251	0.180008	4.362325	1.29E-05	6.08E-05	659.7191	1026.945	622.6796	1343.74	1247.102	1388.882
2157	BTG1	3201.129	0.785248	0.102348	7.672329	1.69E-14	2.08E-13	2495.766	2184.721	2376.618	3839.258	3948.798	4361.611
7147	BFXL6	889.9441	0.784485	0.213094	3.681399	0.000232	0.000863	809.3349	417.6752	736.7795	1078.117	988.2691	1309.488
24290	TRNAF-GA	1.68191	0.783962	2.156585	0.36352	0.716216	0.783887	0	2.189647	1.391463	2.232127	4.278221	0
22344	LOC103245	4.177905	0.783484	1.17272	0.668092	0.504075	0.599751	4.336691	2.737059	2.087194	4.464254	6.417332	5.024897
2618	LOC103237	1812.662	0.783406	0.112606	6.95704	3.47E-12	3.53E-11	1327.57	1442.43	1230.053	2189.717	2196.867	2489.334
13816	LOC103236	59.69068	0.782565	0.382651	2.045117	0.040843	0.078591	52.58238	47.62483	29.91645	87.05295	87.70354	53.26391
17444	LOC119624	28.74984	0.782347	0.551245	1.419237	0.15583	0.237488	17.88885	18.06459	26.43779	49.10679	44.92132	16.07967
2600	MGST1	10526.72	0.782334	0.11206	6.981388	2.92E-12	2.99E-11	6909.433	8997.261	7313.528	13301.24	13529.87	13108.95
3542	FKBP5	3304.928	0.781899	0.134544	5.811459	6.19E-09	4.65E-08	2139.615	2969.162	2183.901	4160.685	4006.554	4369.651
4227	ASTE1	379.9677	0.781723	0.150352	5.199296	2.00E-07	1.26E-06	293.8108	279.18	264.3779	508.925	464.187	469.3254
15822	LOC103230	31.80258	0.781243	0.460722	1.695692	0.089944	0.151129	20.59928	25.18094	24.3506	29.01765	53.47777	38.18922
3264	PCM1	10792.86	0.781071	0.128453	6.080588	1.20E-09	9.75E-09	7120.304	9679.883	7022.017	13095.89	13718.12	14120.97
4893	ALDH4A1	1466.501	0.780663	0.16451	4.745392	2.08E-06	1.13E-05	1221.863	856.6995	1163.263	1796.862	1559.412	2200.905
14330	SEPTIN3	48.64279	0.780502	0.398996	1.956165	0.050446	0.093587	32.52518	39.41365	34.09084	82.5887	62.03421	41.20416
16686	LOC119618	23.81468	0.780316	0.505183	1.544619	0.122438	0.19506	17.34676	18.06459	17.39328	31.24978	25.66933	33.16432
7216	ACER2	196.3493	0.779838	0.212983	3.661494	0.000251	0.000924	140.9425	165.3184	125.9274	232.1412	286.6408	227.1254
21749	LOC119620	5.909089	0.779574	1.014079	0.768751	0.442041	0.540332	2.710432	4.926706	5.565851	8.928508	4.278221	9.044815
18102	LOC119627	19.33589	0.779543	0.590447	1.320258	0.186749	0.274264	15.7205	9.306001	17.39328	24.5534	29.94755	19.09461
14723	TRNAY-GU	52.51072	0.779508	0.413576	1.884802	0.059457	0.107359	33.60935	40.50847	40.35242	71.42806	91.98176	37.18424
16675	LOC119625	24.68647	0.779222	0.504158	1.545592	0.122203	0.19483	20.0572	14.78012	19.48048	35.71403	29.94755	28.13943
12887	TRNAH-GL	74.28238	0.779049	0.35072	2.221287	0.026332	0.05432	64.50828	35.03436	64.00729	91.51721	111.2338	79.39338
3220	MOSPD1	624.4098	0.778909	0.126866	6.139615	8.27E-10	6.83E-09	474.3256	458.1837	444.5723	823.6549	800.0274	745.6948
18326	LOC119627	16.77113	0.778614	0.608784	1.278966	0.200909	0.291453	10.29964	13.13788	13.91463	15.62489	23.53022	24.11951
3920	SPTBN4	492.6648	0.778292	0.143329	5.430106	5.63E-08	3.82E-07	381.6288	362.3866	345.0828	667.406	558.3079	641.1769
15224	LOC119620	46.01967	0.778273	0.434377	1.791699	0.073181	0.127793	23.30971	44.34036	34.09084	37.94616	79.14709	57.28383
5494	ERICH1	394.7924	0.778134	0.176375	4.411812	1.03E-05	4.96E-05	255.3227	347.6065	269.9438	446.4254	536.9168	512.5395
2053	SUSD4	1599.521	0.777984	0.098751	7.878261	3.32E-15	4.30E-14	1161.149	1190.073	1186.918	1944.183	2004.347	2110.457
6307	SIGIRR	545.556	0.777764	0.193373	4.022098	5.77E-05	0.000243	444.5108	312.0247	452.9211	676.3345	560.447	827.0981
17032	LOC119624	44.9928	0.777737	0.522437	1.488673	0.136573	0.213176	44.99317	10.94824	43.13534	60.26743	66.31243	44.2191
18173	LOC103237	17.59557	0.777449	0.594558	1.307607	0.191007	0.279421	11.9259	15.87494	11.1317	17.85702	25.66933	23.11453
4937	FOXO4	294.6578	0.777389	0.164598	4.722962	2.32E-06	1.25E-05	215.7504	204.732	230.2871	383.9258	376.4835	356.7677
21742	TMEM236	6.451334	0.777131	1.008334	0.770709	0.44088	0.539106	4.336691	6.02153	3.478657	11.16063	10.69555	3.014938
19551	LOC103238	12.10631	0.776711	0.71214	1.090673	0.275417	0.374506	8.131296	8.211177	10.43597	20.08914	10.69555	15.07469
12959	LOC119627	64.14017	0.776623	0.351123	2.211826	0.026979	0.055346	46.61943	37.224	57.04997	98.23139	83.42532	62.30873
23177	LOC119627	4.470941	0.776264	1.454827	0.533578	0.593633	0.680936	4.878777	0	4.87012	2.232127	12.83466	2.009959
2322	TSC22D4	1787.422	0.776239	0.105169	7.38086	1.57E-13	1.80E-12	1309.139	1245.362	1402.594	2263.377	2126.276	2377.781
3083	PTPRJ	4101.725	0.775989	0.123251	6.295988	3.05E-10	2.63E-09	2886.61	3510.005	2679.262	5109.339	4785.191	5639.945
2384	UTP4	2227.238	0.775689	0.106343	7.294233	3.00E-13	3.35E-12	1595.36	1780.183	1554.96	2774.534	2652.497	3005.894
21745	TRNAC-AC	6.39802	0.775666	1.006716	0.770492	0.441008	0.539168	4.878777	3.831883	5.565851	2.232127	12.83466	9.044815
15367	CCNA1	33.14329	0.775345	0.438973	1.76627	0.077351	0.133817	24.93597	22.9913	25.74206	46.87467	32.08666	46.22906
22848	LOC119625	3.364351	0.775325	1.324278	0.58547	0.558232	0.649536	1.626259	2.189647	3.478657	4.464254	6.417332	2.009959
3957	APOBEC3H	533.1729	0.774893	0.143347	5.405707	6.46E-08	4.34E-07	373.4975	440.6665	366.6504	671.8702	643.8723	702.4806
2304	LOC103237	3699.915	0.774738	0.104574	7.408523	1.28E-13	1.47E-12	2615.567	3021.166	2551.943	4886.126	4402.29	4722.399
24767	LOC119628	1.156648	0.77473	2.696389	0.287321	0.773866	0.830671	1.084173	0	1.391463	4.464254	0	0
21507	PYHIN1	6.725141	0.77466	0.965191	0.802598	0.422207	0.521894	2.710432	7.116354	4.87012	8.928508	10.69555	6.029877
24010	LOC103225	1.668714	0.774613	1.911963	0.40514	0.685375	0.758879	0.542086	1.094824	2.087194	0	4.278221	2.009959
5795	ARL11	354.9157	0.774371	0.181054	4.277009	1.89E-05	8.69E-05	284.0533	214.038	289.4243	399.5507	462.0479	480.3802
21718	TRNAN-GL	9.091843	0.774301	0.998429	0.775519	0.438033	0.536181	1.626259	12.59047	5.565851	22.32127	6.417332	6.029877
5923	LOC103227	375.1972	0.773638	0.184194	4.200122	2.67E-05	0.00012	324.7097	225.5337	281.7712	495.5322	417.1266	506.5097
21061	LOC103214	8.727113	0.773346	0.887793	0.871089	0.383706	0.484346	3.252518	6.02153	10.43597	11.16063	6.417332	15.07469
4360	MRPL15	2984.071	0.773298	0.15144	5.106318	3.28E-07	2.00E-06	2540.759	1637.309	2432.277	3698.634	3692.105	3903.34
4451	UBTD1	399.0813	0.773076	0.153331	5.041868	4.61E-07	2.75E-06	311.6997	274.8007	299.1645	513.3892	457.7697	537.664
16004	TAF1L	34.84444	0.772914	0.464491	1.664003	0.096112	0.159646	20.0572	29.01283	27.13352	49.10679	55.61688	28.13943
21885	LOC103224	6.191359	0.772853	1.035135	0.746621	0.455293	0.553045	7.047123	2.189647	4.174388	11.16063	8.556443	4.019918
22216	LOC119628	5.075595	0.77285	1.120693	0.689618	0.490434	0.586864	2.710432	1.642235	6.957314	6.696381	6.417332	6.029877
12443	ZNF563	59.91234	0.772218	0.334013	2.311937	0.020781	0.044402	47.16151	40.50847	45.22254	62.49956	87.70354	76.37844
19358	LOC119624	16.1809	0.771781	0.685576	1.125741	0.260275	0.357445	16.80468	7.116354	11.82743	11.16063	32.08666	18.08963
2116	LIMK1	4477.457	0.771558	0.099306	7.769469	7.88E-15	9.90E-14	3157.111	3593.759	3176.014	5600.407	5347.777	5989.678
15235	LOC119624	3566.317	0.771333	0.431012	1.789587	0.07352	0.128293	1612.165	4180.584	2112.24	4624.967	4344.534	4523.413
2962	IGSF9B	898.7619	0.770987	0.119064	6.475424	9.45E-11	8.49E-10	642.3723	703.4242	649.1174	1131.688	1060.999	1204.97
12024	CELF6	74.79178	0.770971	0.320935	2.402268	0.016294	0.036025	65.59245	45.43518	53.57132	109.3742	98.39909	76.37844
16998	RLF152	51.52278	0.770725	0.516412	1.492461	0.135578	0.212045	27.6464	34.48694	50.78839	71.42806	102.6773	22.10955
20800	LOC119625	14.33692	0.77066	0.852126	0.904397	0.365785	0.467519	13.01007	7.663765	10.43597	13.39276	38.50399	3.014938
4544	CADM4	630.4245	0.77026	0.154652	4.980594	6.34E-07	3.71E-06	501.4299	405.6322	494.665	687.4951	797.8883	895.4367
23377	LOC119615	2.529602	0.770217	1.53331	0.502323	0.61544	0.699874						



15194	SPTA1	40.17624	0.768683	0.427761	1.796991	0.072337	0.126569	30.89892	24.63353	32.69937	51.33892	66.31243	35.17428
3093	LZTS2	2470.519	0.768642	0.122249	6.287512	3.23E-10	2.77E-09	1932.538	1630.74	1925.089	2964.265	2845.017	3525.468
9598	LOC119627	109.4661	0.768617	0.259538	2.961486	0.003062	0.00848	81.31296	71.16354	91.83654	127.2312	130.4858	154.7668
4766	BTG2	540.5237	0.768607	0.159005	4.833846	1.34E-06	7.47E-06	355.0666	477.8905	365.9547	660.7096	710.1847	673.3362
6608	ZNF586	206.6337	0.768309	0.197026	3.899532	9.64E-05	0.000388	167.5047	146.159	143.3207	287.9444	256.6933	238.1801
22107	FBLN2	5.864594	0.767733	1.085137	0.707498	0.479257	0.576335	7.047123	1.642235	4.174388	4.464254	12.83466	5.024897
15583	HAL	39.1311	0.767419	0.443074	1.732033	0.083268	0.142048	28.73058	29.01283	27.82925	58.0353	62.03421	29.1444
16288	LOC119627	29.22095	0.767359	0.476963	1.608843	0.107651	0.175706	16.80468	22.9913	25.74206	33.4819	32.08666	44.2191
18993	LOC119627	17.28588	0.767263	0.646798	1.186247	0.235525	0.329655	11.9259	17.51718	9.044508	11.16063	29.94755	24.11951
18839	PTTG1IP2	17.25507	0.766969	0.632557	1.212489	0.225325	0.317972	11.38381	9.306001	17.39328	31.24978	17.11289	17.08465
9195	LOC103225	111.1048	0.766842	0.25095	3.055757	0.002245	0.006491	75.89209	88.68071	81.40057	156.2489	134.764	129.6424
2377	TXNDC11	1331.54	0.766579	0.104945	7.30461	2.78E-13	3.11E-12	986.5972	1008.333	965.6751	1651.774	1600.055	1776.804
6700	CRPPA	219.1757	0.766378	0.198787	3.855263	0.000116	0.000459	166.4205	149.4434	170.4542	243.3018	325.1448	260.2897
2650	UNC93B1	5020.85	0.766626	0.111146	6.894155	5.42E-12	5.44E-11	3806.53	3577.336	3775.038	6535.668	5441.898	6988.627
16468	CATSPERE	34.61439	0.765474	0.484971	1.578391	0.114476	0.184803	35.7777	18.612	21.56767	49.10679	53.47777	29.1444
18337	LOC103215	19.89884	0.765466	0.59935	1.27716	0.201546	0.29219	20.0572	9.306001	14.61036	20.08914	34.22577	21.10457
22920	LOC119615	3.343511	0.765403	1.327901	0.576401	0.564344	0.654585	2.168345	3.831883	1.391463	2.232127	6.417332	4.019918
8856	LOC103235	133.4131	0.764602	0.2423	3.155597	0.001602	0.004808	114.3802	83.75401	98.09812	158.481	183.9635	161.8017
4692	LAMA5	2966.443	0.764562	0.15639	4.888817	1.01E-06	5.75E-06	2328.261	1712.852	2557.509	3866.044	3140.214	4193.779
19720	IGFBPL1	12.32047	0.764551	0.717269	1.065919	0.28646	0.386184	8.673382	8.758589	9.740239	11.16063	23.53022	12.05975
18933	LOC119627	15.40986	0.764267	0.637823	1.198244	0.230822	0.324111	11.9259	9.853413	12.52316	13.39276	25.66933	19.09461
18847	BMP4	29.03423	0.763824	0.630028	1.212365	0.225373	0.317985	10.29964	14.78012	38.96096	53.57105	38.50399	18.08963
16231	LOC103224	33.67139	0.763187	0.47072	1.621317	0.10495	0.171899	25.47806	31.20247	17.39328	40.17829	55.61688	32.15934
3520	RTKN	735.8543	0.762677	0.130612	5.839248	5.24E-09	3.96E-08	569.7328	503.0715	567.7168	910.7078	859.9225	1003.974
18044	LOC119620	21.0712	0.762394	0.570869	1.335497	0.181714	0.267727	21.14137	14.78012	10.43597	29.01765	29.94755	21.10457
4171	NFE2L3	1240.652	0.762243	0.14533	5.2449	1.56E-07	9.97E-07	810.9612	1128.216	821.6587	1537.935	1557.273	1587.868
4533	LOC119618	516.7496	0.762125	0.152632	4.993234	5.94E-07	3.48E-06	358.3191	373.8823	414.6559	698.6557	695.211	559.7736
2245	BAHD1	1475.466	0.761964	0.101328	7.519805	5.49E-14	6.50E-13	1090.678	1106.319	1090.211	1808.023	1796.853	1960.715
4789	MKNK1	334.3731	0.761891	0.158078	4.819722	1.44E-06	7.98E-06	262.9119	241.4086	240.0273	392.8543	444.935	424.1013
21366	SNAI3	7.808228	0.761795	0.927167	0.821638	0.411283	0.511715	8.131296	4.926706	4.174388	4.464254	17.11289	8.039836
10931	LOC119615	189.754	0.761401	0.287936	2.644339	0.008185	0.019907	154.4946	94.15483	171.8456	261.1589	293.0582	163.8117
22873	LOC103244	3.387816	0.76105	1.306098	0.582689	0.560102	0.650971	1.626259	3.284471	2.782925	4.464254	2.139111	6.029877
1713	LEPROT	6759.514	0.761047	0.087555	8.692222	3.55E-18	5.52E-17	5202.945	4811.75	5039.878	8120.478	8470.878	8911.153
1734	MCL1	15938.19	0.760898	0.088184	8.628568	6.21E-18	9.52E-17	11896.63	12236.3	11361.99	19336.92	19294.78	21502.54
2727	RAB11FIP1	1996.411	0.760251	0.111672	6.807875	9.91E-12	9.66E-11	1448.455	1573.262	1429.728	2274.537	2487.786	2764.699
12548	LOC119624	74.31535	0.760217	0.331475	2.29344	0.021823	0.046235	56.91907	61.31012	46.614	71.42806	126.2075	83.4133
18986	KRT39	16.30436	0.759873	0.640152	1.187019	0.23522	0.329351	10.29964	9.306001	16.69755	15.62489	27.80844	18.08963
2034	RAB11A	4800.902	0.759837	0.096175	7.900555	2.78E-15	3.63E-14	3783.763	3237.393	3675.549	6028.975	5940.31	6139.42
13356	TMEM269	58.75007	0.75965	0.355715	2.135556	0.032716	0.065115	53.66655	36.12918	40.35242	69.19594	89.84265	63.31371
22152	LOC103217	5.365486	0.759468	1.086407	0.699063	0.484512	0.581472	1.626259	6.02153	4.174388	8.928508	6.417332	5.024897
7614	LOC103227	157.4938	0.759069	0.215568	3.521257	0.00043	0.0015	108.9594	116.5987	125.9274	178.5702	213.9111	200.9959
9589	CD99L2	546.1984	0.758828	0.256022	2.96392	0.003037	0.008421	297.0633	625.1443	293.5986	665.1738	787.1927	609.0176
3242	RNF170	1010.156	0.758569	0.124055	6.114797	9.67E-10	7.93E-09	821.2608	666.7476	763.913	1225.438	1311.275	1272.304
4174	PRRG1	986.307	0.758211	0.144583	5.244123	1.57E-07	1.00E-06	680.8605	879.1434	639.3771	1194.188	1227.85	1296.424
17673	SH2D6	21.91837	0.758194	0.545476	1.389968	0.164539	0.247511	13.55216	15.32753	20.17621	20.08914	34.22577	28.13943
20276	NKX6-1	12.97209	0.7581	0.770832	0.983483	0.32537	0.42661	4.878777	10.40082	13.2189	15.62489	25.66933	8.039836
6245	IQCG	290.3155	0.757143	0.186795	4.053328	5.05E-05	0.000215	208.7033	247.9776	190.6304	319.1942	408.5701	366.8175
2052	SAR1B	3266.794	0.756979	0.096075	7.879023	3.30E-15	4.27E-14	2539.133	2251.505	2498.371	3939.704	4154.153	4217.899
3210	ST3GAL2	1932.31	0.756966	0.123049	6.151756	7.66E-10	6.35E-09	1556.872	1274.922	1481.908	2475.429	2162.641	2642.091
21666	LOC103234	6.707305	0.756961	0.968985	0.78119	0.434691	0.533382	7.047123	4.379295	3.478657	4.464254	12.83466	8.039836
1647	NDFIP1	5485.014	0.756821	0.085447	8.857177	8.21E-19	1.32E-17	3948.015	4290.614	3996.281	6799.059	6997.031	6879.084
20921	LOC119620	8.138647	0.756814	0.852438	0.887822	0.374636	0.476063	5.96295	6.02153	6.261582	6.696381	12.83466	11.05477
3860	GNPDA1	3052.879	0.756413	0.137883	5.485894	4.11E-08	2.83E-07	2549.432	1786.205	2477.499	3863.812	3636.488	4003.838
2469	DBT	1086	0.756129	0.105528	7.165219	7.77E-13	8.36E-12	791.9882	832.6134	798.0039	1370.526	1371.17	1351.697
6662	PTGER4	212.3894	0.756006	0.195212	3.872753	0.000108	0.000429	167.5047	152.1805	155.8438	272.3195	231.024	295.464
19355	LOC103222	15.88493	0.755968	0.671248	1.126214	0.260075	0.357225	8.131296	14.23271	12.52316	31.24978	17.11289	12.05975
5424	FKBP7	452.2841	0.755583	0.169892	4.448885	8.63E-06	4.23E-05	318.7468	399.6106	288.7285	566.9603	616.0639	523.5943
15217	LOC119618	38.67826	0.755484	0.421458	1.792547	0.073045	0.127615	29.27266	21.89647	34.78657	53.57105	51.33866	41.20416
3420	ZNF251	657.8408	0.755224	0.127448	5.925747	3.11E-09	2.42E-08	480.2885	523.8731	464.7486	843.744	787.1927	847.1977
17213	LOC119627	25.61042	0.754988	0.515141	1.465594	0.142759	0.220474	21.68345	22.9913	12.52316	33.4819	27.80844	35.17428
3735	ARID5B	6464.463	0.754728	0.134586	5.60776	2.05E-08	1.46E-07	4222.853	5924.638	4287.097	7785.659	7963.909	8602.624
2905	DDR1	3414.655	0.754507	0.115381	6.539266	6.18E-11	5.66E-10	2639.961	2411.896	2579.772	4042.382	3882.486	4931.434
10779	LOC103215	268.5081	0.754492	0.282212	2.673494	0.007507	0.018511	130.6428	308.7403	160.0182	348.2118	318.7275	344.708
12101	CALR3	87.14598	0.754272	0.316113	2.386081	0.017029	0.037411	44.99317	78.8273	70.26887	109.3742	121.9293	97.48301
22855	LOC119627	4.271014	0.754144	1.289112	0.585011	0.558541	0.649696	2.168345	4.926706	2.087194	11.16063	4.278221	1.004979
16884	LOC103227	30.35567	0.753936	0.49955	1.50923	0.13124	0.206646	21.14137	22.9913	22.95914	29.01765	59.8951	26.12947
15050	LOC119627	36.62072	0.75365	0.413158	1.824118	0.068134	0.102351	27.10432	28.46541	25.74206	46.87467	51.33866	40.19918
15541	RNF227	33.23762	0.753632	0.433692	1.737713	0.082261	0.140719	26.56223	21.34906	26.43779	37.94616	44.92132	42.20914
1614	METTL9	7666.653	0.75259	0.084139	8.944566	3.73E-19	6.15E-18	5785.688	5874.824	5475.406	9424.04	9448.452	9991.506
13305	LOC103225	56.17806	0.752563	0.350707	2.145844	0.							



10399	LOC119621	119.3034	0.751814	0.271742	2.76665	0.005664	0.014479	80.22878	73.90059	114.0999	142.8561	136.9031	167.8316
19657	TSPAN11	13.54153	0.751747	0.697943	1.077089	0.28144	0.380633	8.131296	9.853413	11.82743	17.85702	23.53022	10.04979
5338	BDKRB2	477.6168	0.751688	0.167186	4.496129	6.92E-06	3.45E-05	356.1507	379.9038	336.0383	524.5498	545.4732	723.5852
13927	LOC119621	70.57177	0.751607	0.370853	2.026697	0.042693	0.081497	72.63957	31.74989	52.87558	91.51721	96.25998	78.3884
12932	IL2RG	81.89655	0.751309	0.339033	2.216032	0.026689	0.054867	60.17159	76.63765	44.52681	111.6063	124.0684	74.36848
5634	GHR	335.5565	0.751304	0.172444	4.356799	1.32E-05	6.23E-05	230.9288	291.2231	228.8956	406.2471	412.8484	443.1959
3073	ATP2B4	3669.609	0.750712	0.119033	6.306755	2.85E-10	2.47E-09	2612.314	3137.217	2460.802	4470.95	4329.56	5006.808
3120	MAPT	724.2331	0.749593	0.119823	6.255853	3.95E-10	3.37E-09	529.0763	564.929	526.6686	881.6902	930.5131	912.5214
1874	EPDR1	4911.45	0.749442	0.090949	8.240229	1.72E-16	2.44E-15	3808.157	3643.026	3544.056	6026.743	5893.25	6553.471
2518	IKBK	1760.352	0.749402	0.105557	7.09952	1.25E-12	1.32E-11	1366.058	1231.677	1344.849	2229.895	2062.103	2327.532
24654	LOC119611	1.146115	0.74925	2.441511	0.30688	0.758935	0.818378	0	0.547412	2.087194	2.232127	0	2.009959
2388	GLIS3	6647.938	0.749143	0.102776	7.289075	3.12E-13	3.47E-12	4545.936	5546.377	4788.719	8156.192	8171.403	8679.003
16808	SLC35D3	27.41587	0.748694	0.491237	1.524099	0.127484	0.20164	19.51511	22.9913	18.08902	42.41041	36.36488	25.12449
5624	ALKAL1	435.4152	0.748661	0.171625	4.362191	1.29E-05	6.09E-05	280.2587	372.24	319.3407	600.4422	566.8643	473.3453
13416	SH2D4B	107.3694	0.748588	0.352503	2.123635	0.033701	0.066781	85.64965	60.76271	91.83654	151.7846	181.8244	72.35852
8541	EFNA3	128.7806	0.748298	0.230732	3.24315	0.001182	0.00368	92.15468	102.366	93.228	171.8738	158.2942	154.7668
3344	RHBDD2	1186.951	0.748166	0.124689	6.000242	1.97E-09	1.57E-08	932.9306	821.1177	908.6252	1421.865	1366.892	1670.276
2386	SCML1	1783.244	0.747364	0.10247	7.293497	3.02E-13	3.37E-12	1381.236	1377.836	1235.619	2154.003	2267.457	2283.313
23311	C1QTNF5	3.076554	0.747303	1.460282	0.511752	0.608825	0.694333	1.626259	2.737059	2.782925	0	4.278221	7.034856
19920	LOC103231	12.73979	0.746971	0.715325	1.04424	0.296375	0.395529	9.757555	9.853413	8.348776	22.32127	17.11289	9.044815
18174	LOC119621	22.36603	0.746969	0.571587	1.306834	0.191269	0.279789	16.80468	13.6853	18.78475	33.4819	36.36488	15.07469
1818	MGAT2	2494.468	0.746965	0.088858	8.406267	4.23E-17	6.19E-16	1863.693	1864.485	1860.386	3189.709	3043.954	3144.581
19737	LOC103221	13.05168	0.746395	0.70254	1.062424	0.288043	0.387984	11.38381	6.568942	11.1317	22.32127	12.83466	14.06971
2055	STXBP5	2708.035	0.746054	0.094719	7.876527	3.37E-15	4.35E-14	1997.046	2046.773	2029.448	3381.672	3189.414	3603.856
18240	LOC103231	20.0612	0.745513	0.576114	1.294039	0.195652	0.285149	9.757555	15.87494	19.48048	22.32127	27.80844	25.12449
14935	LOC119611	20848.91	0.745205	0.40334	1.847585	0.064662	0.115102	8199.056	23100.23	15443.15	26894.9	27600.94	23855.2
18685	LOC119621	3200.654	0.745115	0.605274	1.231038	0.218309	0.310609	1138.381	4500.82	1536.871	4118.274	3585.149	4324.427
1738	HSPB1	7299.958	0.745012	0.086405	8.62237	6.56E-18	1.00E-16	5152.531	5745.087	5469.84	9325.827	8984.265	9122.199
14376	MYO15B	52.58431	0.744983	0.382324	1.948565	0.051347	0.094955	45.53526	28.46541	43.13534	66.96381	79.14709	52.25893
4748	TRIM24	5778.152	0.744943	0.153718	4.846177	1.26E-06	7.05E-06	3624.932	5636.699	3693.638	7176.288	7279.394	7257.962
3027	LRIG3	1723.487	0.74491	0.116963	6.36878	1.91E-10	1.67E-09	1246.257	1409.038	1212.66	2147.306	1967.982	2357.682
3642	PINK1	1586.811	0.744572	0.130572	5.702375	1.18E-08	8.62E-08	1304.802	1049.936	1208.485	1924.093	1790.436	2243.114
13403	SRCIN1	145.5015	0.744555	0.350046	2.127021	0.033418	0.066286	79.14461	84.84883	160.7139	232.1412	209.6328	106.5278
19625	TRIL	12.98654	0.744543	0.688835	1.081634	0.279415	0.37852	12.46799	8.758589	7.653045	17.5702	17.11289	14.06971
16996	LOC103221	24.89579	0.744539	0.498884	1.49254	0.135558	0.212035	16.80468	19.15941	19.48048	35.71403	32.08666	26.12947
13791	CEP295NL	59.35214	0.744476	0.363527	2.047921	0.040568	0.078203	54.75072	44.88777	34.09084	55.80317	79.14709	87.43321
23192	TRNAC-GC	3.736107	0.74442	1.402839	0.530653	0.595659	0.682805	1.626259	3.831883	2.782925	11.16063	0	3.014938
20039	LOC119621	11.87776	0.744249	0.728634	1.02143	0.307051	0.407281	11.38381	5.474118	9.740239	15.62489	14.97377	14.06971
19789	RCSO1	20.11136	0.743969	0.705302	1.054825	0.291506	0.391615	8.673382	14.23271	21.56767	20.08914	47.06043	9.044815
21378	LOC103221	7.34171	0.743886	0.906759	0.820378	0.412001	0.512363	5.420864	6.568942	4.174388	11.16063	10.69555	6.029877
12180	UBE2L5	100.6528	0.743612	0.313712	2.370366	0.01777	0.038787	68.84497	101.2712	54.26705	131.6955	143.3204	104.5179
17672	LOC119621	22.5765	0.743352	0.534637	1.390386	0.164412	0.247334	21.14137	15.87494	13.2189	29.01765	32.08666	24.11951
2440	DNAJB1	2844.661	0.742851	0.103024	7.210464	5.58E-13	6.08E-12	2115.763	2240.557	2032.231	3504.439	3302.787	3872.186
4065	NPDC1	5564.557	0.742353	0.139489	5.321936	1.03E-07	6.71E-07	4573.041	3328.264	4593.914	6937.451	6184.169	7770.501
9300	BACH2	122.9014	0.742157	0.244753	3.032272	0.002427	0.006938	87.27591	89.77554	97.40239	171.8738	160.4333	130.6473
17420	LOC103221	26.28083	0.741129	0.519784	1.425841	0.153914	0.234892	26.02015	12.59047	20.17621	31.24978	38.50399	29.1444
23418	KLB	2.798665	0.741034	1.492149	0.496622	0.619456	0.70324	3.794605	1.642235	0.695731	2.232127	6.417332	2.009959
20344	LOC119611	11.89436	0.740728	0.763371	0.970339	0.331878	0.433689	10.84173	11.49565	4.174388	20.08914	10.69555	14.06971
18686	LOC103211	20.46757	0.740321	0.601484	1.230823	0.218389	0.310692	9.215468	20.25424	16.00182	35.71403	23.53022	18.08963
21051	LOC119621	8.450595	0.740042	0.848047	0.872642	0.382858	0.483532	6.505036	8.211177	4.174388	8.928508	12.83466	10.04979
12961	LOC119621	60.56154	0.739687	0.334508	2.11265	0.027018	0.055417	52.04029	37.224	46.614	78.12444	77.00798	72.35852
6712	INPP5J	214.5441	0.739678	0.19209	3.850675	0.000118	0.000467	155.5788	180.0985	146.7993	261.1589	265.2497	278.3793
24862	LOC119621	0.862664	0.739313	2.720662	0.27174	0.785822	0.840214	0	0.547412	1.391463	2.232127	0	1.004979
24864	LOC119621	0.862664	0.739313	2.720662	0.27174	0.785822	0.840214	0	0.547412	1.391463	2.232127	0	1.004979
2829	CBLN4	2091.16	0.739121	0.111149	6.649795	2.94E-11	2.76E-10	1661.495	1408.491	1633.577	2658.463	2434.308	2750.629
24871	TRNAA-UG	0.847161	0.739071	2.734904	0.270237	0.786978	0.841146	0	0.547412	1.391463	0	2.139111	1.004979
24872	LOC119621	0.847161	0.739071	2.734904	0.270237	0.786978	0.841146	0	0.547412	1.391463	0	2.139111	1.004979
21084	LOC119621	14.1791	0.738988	0.85194	0.867418	0.385713	0.486349	20.59928	4.379295	6.261582	17.85702	29.94755	6.029877
23511	UTF1	3.08336	0.738828	1.533967	0.481645	0.630058	0.712457	1.084173	4.926706	0.695731	2.232127	8.556443	1.004979
22978	LOC103241	4.202954	0.738597	1.300617	0.567882	0.570115	0.659592	7.047123	1.094824	1.391463	2.232127	6.417332	7.034856
17320	MYOM1	29.38235	0.738183	0.510726	1.445361	0.148357	0.227717	23.30971	22.9913	18.78475	33.4819	55.61688	22.10955
5229	ARHGEF37	400.4971	0.737885	0.161684	4.563747	5.02E-06	2.55E-05	307.9051	308.7403	287.3371	433.0326	494.1346	571.8333
2755	OTUB2	1478.184	0.737515	0.108971	6.767986	1.31E-11	1.26E-10	1177.954	1098.656	1051.25	1828.112	1743.375	1969.76
11557	LOC119621	78.93888	0.737499	0.294579	2.503573	0.012295	0.028282	59.6295	53.64636	65.39875	89.28508	94.12087	111.5527
22447	TRNAT-AG	4.777326	0.73716	1.134824	0.649582	0.515963	0.611078	3.252518	3.284471	4.174388	2.232127	10.69555	5.024897
8428	SH2B2	149.7465	0.736776	0.224988	3.274737	0.001058	0.003336	107.3331	102.9134	125.9274	205.3557	186.1026	170.8465
3342	ARHGAP35	730.8491	0.73635	0.1227	6.001197	1.96E-09	1.56E-08	554.0123	518.399	574.6741	906.2436	877.0354	954.7305
3405	PITPNA	4727.251	0.736107	0.1239	5.941127	2.83E-09	2.21E-08	3217.283	4244.631	3178.101	5792.37	5942.449	5988.673
22379	LOC103231	4.805137	0.735633	1.111193	0.661582	0.508239	0.60376	3.252518	3.831883	3.478657	6.696381	8.556443	3.014938
5266	LYSMD4	340.9917	0.735345	0.161833	4.543863	5.52E-06	2.79E-05	242.8547	249.0724	278.2925			



10910	ASTN2	92.35566	0.733972	0.277065	2.649096	0.008071	0.019665	79.14461	61.31012	66.79021	118.3027	124.0684	104.5179
14316	LOC119621	48.6209	0.733917	0.374733	1.958509	0.05017	0.093167	34.15144	38.86624	37.56949	46.87467	59.8951	74.36848
3425	CDC37L1	1668.763	0.733672	0.123947	5.919241	3.23E-09	2.51E-08	1161.149	1425.46	1170.22	2060.253	2258.901	1936.595
2672	FOXO3	3720.646	0.73366	0.106733	6.873789	6.25E-12	6.22E-11	2717.479	2946.17	2725.876	4453.093	4282.5	5198.759
2479	CDC42SE1	8537.913	0.733256	0.102481	7.155031	8.37E-13	8.97E-12	6057.815	7190.802	5994.421	10586.98	10244.2	11153.26
13203	SPDEF	60.96836	0.732681	0.337906	2.168296	0.030136	0.060681	47.16151	46.53	42.43961	84.82083	85.56443	59.29379
2765	KANSL1L	1346.874	0.73257	0.108572	6.747352	1.51E-11	1.45E-10	1081.462	934.9794	1019.246	1703.113	1679.202	1663.241
24203	LOC119615	1.425485	0.732552	1.960638	0.373629	0.70868	0.778427	0.542086	0.547412	2.087194	2.232127	2.139111	1.004979
2444	ECE1	10328.77	0.732511	0.101721	7.201201	5.97E-13	6.49E-12	7481.876	8244.569	7563.991	12665.09	11754.41	14262.67
4639	FAIM	1256.379	0.73231	0.148712	4.924359	8.46E-07	4.85E-06	851.0756	1166.535	813.31	1580.346	1606.472	1520.534
4089	JRK	1925.796	0.732235	0.138036	5.304667	1.13E-07	7.34E-07	1658.242	1191.716	1495.127	2357.126	2222.536	2630.031
10710	LOC119623	121.0095	0.73221	0.272254	2.689437	0.007157	0.017766	82.39713	97.98671	93.228	180.8023	104.8164	166.8266
4465	SHTN1	2668.825	0.731861	0.145414	5.032957	4.83E-07	2.88E-06	1745.518	2519.189	1752.547	3214.263	3476.055	3305.377
4365	ARL8A	1774.252	0.73181	0.143374	5.104203	3.32E-07	2.02E-06	1176.327	1650.447	1173.699	2234.359	2177.615	2233.064
17740	LOC103217	24.74114	0.731527	0.530882	1.377947	0.16822	0.252092	21.14137	12.59047	21.56767	37.94616	32.08666	23.11453
13693	BCAS1	70.55917	0.731526	0.353473	2.069535	0.038496	0.07474	37.94605	65.68942	54.26705	107.1421	91.98176	66.32864
20209	LOC103247	12.49979	0.731292	0.734791	0.995238	0.319621	0.420462	8.673382	5.474118	13.91463	15.62489	19.252	12.05975
13692	LOC103237	55.88272	0.730911	0.352994	2.070603	0.038396	0.074551	35.7777	51.45671	38.26523	75.89232	70.59065	63.31371
6023	INPP5D	252.1425	0.730809	0.175926	4.154067	3.27E-05	0.000144	191.3565	202.5424	175.3243	303.5693	314.4493	325.6133
12981	LOC103228	69.45985	0.73051	0.33094	2.207377	0.027288	0.055885	40.65648	66.78424	49.39693	87.05295	83.42532	89.44317
20717	B4GALNT2	9.686801	0.730163	0.796552	0.916655	0.359324	0.46112	8.131296	6.568942	6.957314	17.85702	8.556443	10.04979
3488	PPP1R14C	738.2591	0.730154	0.124435	5.867779	4.42E-09	3.37E-08	563.2277	546.317	560.0638	863.8331	894.1483	1001.965
19921	LOC119625	13.5738	0.729845	0.698936	1.044222	0.296383	0.395529	9.757555	13.6853	7.653045	13.39276	12.83466	24.11951
4986	CUNH4orf2	2889.02	0.729844	0.155413	4.696147	2.65E-06	1.41E-05	1846.888	2799.464	1871.517	3729.884	3732.748	3353.616
19733	LOC103247	14.46382	0.729716	0.686015	1.063702	0.287464	0.387293	12.46799	12.59047	6.957314	22.32127	21.39111	11.05477
4930	RAPGEF5	495.9205	0.729611	0.154411	4.72513	2.30E-06	1.24E-05	381.6288	408.9166	329.7767	647.3168	547.6123	660.2715
9832	SLC35C1	136.7672	0.729193	0.251586	2.898382	0.003751	0.010141	121.9694	78.8273	107.8384	171.8738	173.268	166.8266
19012	CUNH10orf1	17.30781	0.728929	0.616349	1.182655	0.236946	0.331328	10.29964	16.42235	11.82743	24.5534	25.66933	15.07469
3187	METTL7A	950.4321	0.728628	0.117918	6.17908	6.45E-10	5.38E-09	676.5238	775.1351	695.0356	1212.045	1135.868	1207.985
21976	IHH	6.242146	0.72856	0.9956	0.73178	0.464303	0.561699	4.336691	2.737059	6.957314	6.696381	10.69555	6.029877
2622	GTF2B	2374.239	0.728544	0.104881	6.946411	3.75E-12	3.80E-11	1736.845	1673.985	1950.831	2854.89	3129.519	2899.366
9039	LOC119615	181.5829	0.728174	0.234716	3.102363	0.00192	0.005646	152.3263	106.1979	150.278	263.391	220.3284	196.976
2950	IGSF3	1509.72	0.728102	0.112222	6.488022	8.70E-11	7.84E-10	1146.513	1159.418	1108.996	1816.951	1739.097	2087.342
17741	LOC103240	25.58538	0.727605	0.528054	1.3779	0.168234	0.2521	11.9259	25.72836	20.17621	35.71403	27.80844	32.15934
4498	LOC119627	913.63	0.727132	0.145091	5.011564	5.40E-07	3.19E-06	760.5472	612.5538	695.7314	1098.206	1003.243	1311.498
5196	LOC103215	461.2818	0.726951	0.158663	4.581731	4.61E-06	2.36E-05	382.713	309.2877	352.0401	604.9064	502.691	616.0524
16509	LOC119627	40.18901	0.726694	0.461806	1.573593	0.115581	0.186125	29.27266	26.82318	34.09084	33.4819	81.28621	36.17926
4200	SRPX2	480.8195	0.726681	0.139285	5.217207	1.82E-07	1.15E-06	378.3763	367.3133	342.2998	591.5136	573.2817	632.1321
21547	REEP1	8.216725	0.726485	0.911215	0.797271	0.425294	0.524734	4.336691	4.379295	9.740239	6.696381	17.11289	7.034856
24577	LOC119628	1.413177	0.72643	0.72643	3.19517	0.749335	0.810557	0.542086	0	2.782925	0	2.139111	3.014938
20728	TRNAL-AA	12.31074	0.726249	0.794729	0.913833	0.360805	0.462755	12.46799	3.831883	11.1317	24.5534	12.83466	9.044815
22810	IL5	3.95363	0.725447	1.229055	0.590248	0.555025	0.64688	3.252518	3.831883	2.087194	2.232127	4.278221	8.039836
21952	LOC103217	7.316524	0.725377	0.985819	0.735812	0.461845	0.559318	5.96295	8.758589	2.087194	4.464254	8.556443	14.06971
9757	ETFRF1	139.2265	0.725157	0.248817	2.91442	0.003564	0.00971	94.32303	122.0728	97.40239	154.0168	211.772	155.7718
23839	LOC103228	2.843632	0.724971	1.67951	0.431656	0.665991	0.742704	0	1.094824	5.565851	2.232127	2.139111	6.029877
10028	ZNF419	121.1844	0.724836	0.253876	2.855078	0.004303	0.011405	89.44425	100.7238	82.0963	176.338	151.8769	126.6274
3008	SEL1L	8222.802	0.724348	0.113074	6.405957	1.49E-10	1.32E-09	5784.604	7121.28	5699.431	10024.48	9694.45	11012.57
3418	TOM1L2	1299.946	0.724103	0.122193	5.925915	3.11E-09	2.42E-08	1058.695	940.4535	945.4989	1640.613	1439.621	1774.794
17760	LOC119625	27.82028	0.723788	0.526248	1.375376	0.169015	0.252436	15.17842	24.08612	22.95914	31.24978	51.33866	22.10955
20132	PXDNL	11.64231	0.723733	0.718741	1.006945	0.313961	0.414596	7.589209	10.94824	7.653045	15.62489	14.97377	13.06473
6365	LOC119627	261.5518	0.72344	0.181004	3.996811	6.42E-05	0.000268	201.114	212.9432	179.4987	305.8014	30.171	359.7826
2679	LOC119620	2150.28	0.722926	0.105375	6.86048	6.86E-12	6.81E-11	1600.239	1722.158	1548.002	2723.195	2459.977	2848.112
24255	LMOD3	1.704854	0.722704	1.96486	0.367815	0.713011	0.781505	1.084173	0.547412	2.087194	2.232127	4.278221	0
2869	EMP3	3273.21	0.722493	0.10968	6.587303	4.48E-11	4.15E-10	2549.974	2288.729	2577.685	4066.935	3670.714	4485.223
6084	LOC103237	307.7279	0.722354	0.174967	4.128507	3.65E-05	0.00016	253.1543	203.0898	242.1145	386.158	350.8141	411.0366
19689	LOC119620	16.16314	0.722053	0.673967	1.071348	0.284013	0.383484	7.047123	16.96977	13.2189	15.62489	14.97377	29.1444
18555	KRTCAP3	18.19746	0.72198	0.581069	1.242502	0.214051	0.306686	13.01007	16.42235	11.82743	24.5534	19.252	24.11951
15446	ACOT6	45.0451	0.721171	0.411474	1.75265	0.079662	0.137111	23.30971	33.93953	44.52681	62.49956	57.75599	48.23901
22258	LOC119627	5.641206	0.720849	1.056879	0.682054	0.495205	0.591473	5.420864	3.284471	4.174388	2.232127	10.69555	8.039836
19359	LOC119625	19.25147	0.72081	0.64034	1.125667	0.260306	0.357469	7.589209	21.34906	14.61036	15.62489	34.22577	22.10955
9763	FUT4	123.5962	0.720755	0.24741	2.913195	0.003578	0.009742	101.3702	84.30142	93.228	147.3204	179.6853	135.6722
22276	LOC103247	6.242727	0.72058	1.063287	0.677691	0.497968	0.594293	4.878777	6.02153	2.782925	8.928508	12.83466	2.009959
24469	LOC119624	1.690239	0.720415	2.146709	0.33559	0.73718	0.800929	0.542086	1.094824	2.087194	0	6.417332	0
12066	LOC103217	76.05672	0.720211	0.300829	2.394089	0.016662	0.036708	64.50828	55.28859	52.17985	84.82083	109.0946	90.44815
4358	CHRAC1	1192.646	0.71979	0.14092	5.107795	3.26E-07	1.99E-06	807.1666	1087.707	807.7441	1468.74	1510.212	1474.305
21625	LOC103237	9.138216	0.719677	0.915393	0.786195	0.431753	0.530776	5.420864	12.04306	2.782925	17.85702	10.69555	6.029877
24128	LOC119627	1.972804	0.719529	1.863447	0.386128	0.699402	0.770624	1.084173	0.547412	2.782925	0	6.417332	1.004979
22149	LOC103230	5.987496	0.719408	1.027861	0.699908	0.483985	0.580917	3.794605	2.189647	7.653045	6.696381	8.556443	7.034856
23041	TRNAD-GU	3.980021	0.719133	1.294304	0.555613	0.578475	0.667452	2.168345	6.02153	0.695731	6.696381	4.278221	4.019918
12924	LOC119620	63.96073	0.718872	0.324253	2.217011	0.026622	0.054763	44.99317	50.3618				



23068	CUNH17or	3.419874	0.718276	1.303391	0.551082	0.581577	0.670264	2.710432	2.737059	2.087194	6.696381	4.278221	2.009959
4529	DOLK	570.9792	0.718235	0.143775	4.995549	5.87E-07	3.44E-06	418.4907	458.1837	421.6132	712.0485	624.6203	790.9188
16176	LOC119621	44.58887	0.717608	0.439948	1.631119	0.102865	0.169057	34.15144	22.9913	43.83108	40.17829	79.14709	47.23404
5312	KLHDC9	339.6702	0.717526	0.159	4.512748	6.40E-06	3.20E-05	245.5651	255.0939	271.3352	383.9258	444.935	437.1661
4403	LOC119615	553.6342	0.716871	0.141141	5.0791	3.79E-07	2.29E-06	458.6051	384.2831	415.3516	640.6204	697.3501	725.5952
3354	ENG	1468.47	0.716655	0.119657	5.98922	2.11E-09	1.67E-08	1108.567	1153.944	1075.601	1799.094	1621.446	2052.168
22116	LOC103238	6.266866	0.716598	1.01488	0.706092	0.480131	0.577137	4.236691	2.189647	7.653045	6.696381	10.69555	6.029877
5816	SERINC2	316.7591	0.715806	0.167799	4.26584	1.99E-05	9.10E-05	238.518	251.8094	229.5914	426.3363	342.2577	412.0416
17354	LOC103216	59.65939	0.71563	0.497417	1.438693	0.150238	0.230152	48.24569	14.78012	72.35606	71.42806	89.84265	61.30375
16192	LOC119626	35.52229	0.714936	0.439138	1.628044	0.103516	0.169958	22.76763	32.2973	26.43779	35.71403	40.6431	55.27387
3188	KDM4C	914.3383	0.714806	0.115684	6.178954	6.45E-10	5.38E-09	668.9346	741.743	667.2064	1116.063	1127.311	1164.771
17140	LOC103228	27.09269	0.714644	0.484757	1.474232	0.140419	0.217797	16.26259	23.53871	21.56767	37.94616	32.08666	31.15436
21295	LOC119627	10.19341	0.713683	0.855362	0.834364	0.404076	0.504455	5.96295	6.02153	11.1317	4.464254	23.53022	10.04979
18851	LOC103247	22.82377	0.713495	0.588671	1.212044	0.225495	0.31801	12.46799	24.63353	13.91463	33.4819	36.36488	16.07967
2971	LOC103246	3994.792	0.712837	0.110269	6.464509	1.02E-10	9.09E-10	2761.93	3181.01	3144.706	4964.25	4472.88	5443.974
3214	PLEKHG3	1813.307	0.7128	0.115922	6.148958	7.80E-10	6.45E-09	1452.249	1309.409	1365.721	2258.913	2002.208	2491.344
4788	GAB1	1403.921	0.712742	0.147869	4.82009	1.43E-06	7.97E-06	950.2774	1320.905	919.7569	1770.077	1736.958	1725.55
13671	TRNAR-CC1	60.69959	0.712618	0.343506	2.074541	0.038029	0.073952	42.82482	37.77142	57.7457	69.19594	81.28621	75.37346
14440	LOC119627	49.68844	0.712496	0.367957	1.936358	0.052824	0.097246	34.69353	32.84471	45.22254	69.19594	59.8951	56.27885
2182	STOM	7511.446	0.712387	0.093188	7.644583	2.10E-14	2.55E-13	5682.691	5972.263	5430.879	9073.596	8864.475	10044.77
22489	LOC103214	6.041672	0.712151	1.112087	0.640373	0.52193	0.616964	7.589209	1.094824	4.87012	13.39276	4.278221	5.024897
22859	LOC119620	4.229805	0.712016	1.217888	0.584632	0.558795	0.649879	3.794605	4.379295	1.391463	2.232127	8.556443	5.024897
3178	OAF	2810.405	0.711825	0.115043	6.187439	6.11E-10	5.12E-09	2263.753	1971.23	2163.029	3428.547	3129.519	3906.355
9794	LOC103246	148.8924	0.711615	0.244925	2.90544	0.003667	0.009954	90.52842	125.9047	121.0573	216.5163	177.5462	161.8017
20548	LOC119615	12.50726	0.711126	0.754609	0.942554	0.345909	0.447515	13.55216	5.474118	9.044508	13.39276	23.53022	10.04979
2490	PTPRS	4757.784	0.7109	0.099475	7.146547	8.90E-13	9.50E-12	3430.865	3802.87	3597.627	5837.012	5467.567	6410.764
4520	SKI	740.5797	0.710787	0.142119	5.001348	5.69E-07	3.35E-06	499.8036	631.1658	556.5851	933.0291	829.9749	992.9197
23053	LOC119627	3.745324	0.710574	1.283657	0.553554	0.579884	0.668729	1.626259	3.284471	3.478657	8.928508	2.139111	3.014938
22365	LOC119624	5.408143	0.710458	1.069118	0.664527	0.506353	0.601903	5.96295	4.379295	2.087194	6.696381	4.278221	9.044815
19563	LOC103247	14.52656	0.710445	0.652134	1.089416	0.275971	0.375025	11.9259	10.94824	9.740239	20.08914	21.39111	13.06473
19949	LOC103248	15.0769	0.710364	0.684413	1.037917	0.299309	0.398873	8.673382	15.32753	9.740239	17.85702	27.80844	11.05477
7881	CRISP1D2	208.2066	0.709704	0.205921	3.446491	0.000568	0.001916	153.9525	181.7407	138.4505	279.0159	226.7457	269.3345
20593	LOC103233	12.31069	0.70947	0.75576	0.938751	0.347859	0.449076	11.9259	9.853413	6.261582	22.32127	6.417332	17.08465
21299	LOC103233	10.00669	0.709444	0.850611	0.834041	0.404258	0.504593	9.215468	8.758589	4.174388	17.85702	14.97377	5.024897
19143	LOC103217	18.00783	0.708992	0.61009	1.162109	0.245191	0.340493	16.80468	10.40082	13.2189	29.01765	23.53022	15.07469
3141	ABCC1	3400.888	0.708797	0.113812	6.227774	4.73E-10	4.00E-09	2515.823	2726.658	2509.503	4046.846	3792.643	4813.852
2649	BPNT2	5433.701	0.708305	0.102694	6.897261	5.30E-12	5.32E-11	3946.931	4620.156	3811.216	6792.362	6541.4	6890.139
21329	CYP27C1	10.50914	0.708048	0.855186	0.827946	0.407701	0.508169	9.757555	6.02153	7.653045	8.928508	25.66933	5.024897
3447	DIXDC1	1164.874	0.707941	0.119939	5.902516	3.58E-09	2.76E-08	874.9274	945.3802	837.6606	1339.276	1401.117	1590.883
15880	BFS1P1	37.576	0.707536	0.419189	1.687869	0.091436	0.153075	32.52518	26.82318	25.74206	42.41041	7.75599	40.19918
4559	MON1A	630.6324	0.707341	0.142419	4.966611	6.81E-07	3.97E-06	472.6993	457.0889	510.6668	810.2621	673.8199	859.2574
16355	LOC103247	32.4743	0.707258	0.443273	1.595536	0.110592	0.179767	26.02015	27.37059	20.17621	40.17829	44.92132	36.17926
3943	MICALL2	1448.919	0.707024	0.130652	5.411519	6.25E-08	4.21E-07	1143.802	948.6647	1212.66	1877.219	1610.75	1900.416
3089	PLCH1	1120.791	0.706972	0.112387	6.290514	3.16E-10	2.72E-09	840.2339	895.0183	822.3545	1312.491	1373.309	1481.34
3762	VSIG10	737.0709	0.706922	0.126619	5.583077	2.36E-08	1.67E-07	610.3893	539.748	530.843	870.5295	926.2349	944.6807
2912	PGAP6	4321.502	0.706529	0.108173	6.531492	6.51E-11	5.94E-10	3436.285	3055.653	3365.948	5272.284	4849.364	5949.478
3437	LOC103227	1416.381	0.706488	0.119479	5.913098	3.36E-09	2.60E-08	1118.324	985.8887	1129.868	1683.024	1638.559	1942.625
17817	LOC103233	24.26792	0.706435	0.514077	1.374182	0.169385	0.252742	17.88885	20.80165	16.00182	35.71403	32.08666	23.11453
2515	STXBP3	2328.252	0.706365	0.099461	7.101958	1.23E-12	1.30E-11	1830.626	1625.266	1852.733	2919.622	2859.991	2881.276
2955	S100A11	10046.32	0.705812	0.10884	6.48483	8.88E-11	7.99E-10	7076.938	8801.287	7031.757	12636.07	12090.25	12641.64
21921	LOC119627	8.203908	0.705511	0.952177	0.740945	0.458727	0.556327	6.505036	7.663765	4.174388	4.464254	21.39111	5.024897
18522	LOC103233	21.67577	0.705192	0.565279	1.247513	0.21221	0.304589	13.55216	15.87494	19.48048	24.5534	38.50399	18.08963
4564	MAP7	1919.38	0.704762	0.141981	4.963778	6.91E-07	4.03E-06	1301.007	1801.532	1276.667	2343.733	2340.187	2453.155
4972	EXOSC4	915.6732	0.704698	0.149889	4.701469	2.58E-06	1.38E-05	750.2475	577.5195	765.3045	1087.046	1039.608	1274.314
5454	PRR14	476.3762	0.704659	0.158784	4.438449	9.09E-06	4.43E-05	312.2417	420.9597	353.4315	580.353	605.3683	585.903
3180	FSCN1	4243.894	0.704631	0.113934	6.184567	6.23E-10	5.21E-09	3398.882	2875.554	3412.562	5401.747	4697.487	5677.129
20342	HPX	13.81949	0.704464	0.725754	0.970665	0.331715	0.433519	10.29964	8.758589	11.82743	29.01765	14.97377	8.039836
2838	MPP1	1564.136	0.704431	0.106195	6.633351	3.28E-11	3.07E-10	1202.89	1205.948	1164.654	1810.255	1901.669	2099.402
2190	CFLAR	2918.016	0.704075	0.092347	7.624216	2.46E-14	2.98E-13	2311.998	2212.639	2137.287	3555.778	3516.698	3773.698
22933	LOC119615	4.27359	0.703893	1.226399	0.573951	0.566001	0.656092	4.336691	1.094824	4.174388	4.464254	8.556443	3.014938
19778	MCOLN3	15.09807	0.703776	0.666159	1.056469	0.290754	0.390823	10.84173	12.59047	10.43597	17.85702	27.80844	11.05477
4943	PRKCD	946.0706	0.703704	0.149149	4.718138	2.38E-06	1.28E-05	671.1029	863.2684	626.854	1113.831	1123.033	1278.334
22323	TMEM89	5.710483	0.703683	1.04844	0.671172	0.502111	0.597976	2.710432	6.568942	3.478657	8.928508	8.556443	4.019918
23976	LOC119627	2.247723	0.703672	1.713829	0.410585	0.681377	0.755522	1.626259	2.737059	0.695731	0	6.417332	2.009959
5711	LOC103233	349.6444	0.703438	0.16284	4.319812	1.56E-05	7.27E-05	235.8076	293.4127	269.248	441.9611	419.2657	438.171
7573	CYB561D1	282.6953	0.703191	0.198966	3.534227	0.000409	0.001436	258.0331	179.0037	209.4151	305.8014	370.0661	373.8524
2918	CREBRF	2154.479	0.703175	0.107718	6.527923	6.67E-11	6.08E-10	1593.192	1819.597	1504.867	2645.07	2705.975	2658.171
19237	LOC119627	17.07863	0.703038	0.612998	1.146884	0.251429	0.347469	12.46799	16.42235	10.43597	15.62489	21.39111	26.12947
17889	LOC119627	23.70798	0.702764	0.515876	1.362275	0.173111	0.257262	18.43094	14.23271	21.56767	26.78552	32.08666	29.1444
18551	LOC103246	27.65704	0.701787	0.56459									



3300 KCTD7	991.2951	0.701068	0.116021	6.042589	1.52E-09	1.22E-08	760.0051	789.3678	717.299	1136.153	1270.632	1274.314
2709 HPS3	2245.83	0.700942	0.102707	6.824685	8.81E-12	8.65E-11	1661.495	1862.842	1609.227	2714.266	2750.896	2876.251
16077 LOC103246	37.34106	0.700624	0.42415	1.651831	0.098569	0.162984	35.23561	26.27577	23.65487	40.17829	53.47777	45.22408
8547 GSTO1	950.4133	0.70017	0.216002	3.241495	0.001189	0.003698	911.2472	434.645	827.2246	1187.492	1152.981	1188.891
7990 LOC103246	205.5609	0.699993	0.204968	3.415137	0.000637	0.002121	153.9525	136.853	180.8902	249.9982	235.3022	276.3694
3776 INF2	2635.615	0.699936	0.125689	5.56877	2.57E-08	1.81E-07	2090.827	1744.601	2195.728	3122.746	2992.616	3667.17
23383 LOC103234	4.336416	0.699761	1.39529	0.501517	0.160008	0.700389	0	4.926706	4.87012	8.928508	4.278221	3.014938
20091 RINL	14.24568	0.699292	0.689606	1.014046	0.310561	0.410943	14.09425	7.116354	11.1317	13.39276	25.66933	14.06971
2588 TBC1D2B	1970.696	0.69898	0.099843	7.000757	2.55E-12	2.62E-11	1581.808	1515.236	1411.639	2370.519	2421.473	2523.503
9469 LOC103227	124.0572	0.698773	0.23341	2.993759	0.002756	0.007737	99.74389	88.68071	95.3152	149.5525	158.2942	152.7569
21042 LOC119627	10.25301	0.698597	0.798646	0.874727	0.381722	0.482275	6.505036	6.568942	10.43597	6.696381	19.252	12.05975
20403 LOC119627	15.74074	0.698373	0.72704	0.96057	0.336768	0.438807	8.673382	12.04306	14.61036	17.85702	34.22577	7.034856
6058 ZNF471	325.0642	0.698239	0.168587	4.141701	3.45E-05	0.000151	235.2655	261.6628	249.0718	348.2118	414.9875	441.186
5927 HCN3	332.6178	0.698188	0.16633	4.197616	2.70E-05	0.000121	273.7536	261.6628	226.1127	377.2295	427.8221	429.1262
3127 MFGE8	1146.782	0.69816	0.11178	6.245847	4.22E-10	3.58E-09	912.8734	854.5098	858.5325	1453.115	1311.275	1490.385
18308 LOC119627	21.39494	0.697982	0.544894	1.28095	0.200211	0.290726	14.09425	18.612	16.00182	22.32127	34.22577	23.11453
12685 LOC103246	115.4529	0.697801	0.308415	2.262536	0.023664	0.049595	105.1648	54.19377	105.7512	133.9276	136.9031	156.7768
6624 NXF3	250.2245	0.697742	0.179291	3.891682	9.96E-05	0.0004	207.6191	182.2881	183.6731	312.4978	286.6408	328.6283
4202 ZMYND8	4367.258	0.697521	0.133716	5.216423	1.82E-07	1.15E-06	2936.482	4090.808	2967.99	5287.909	5330.664	5589.696
16954 LOC119627	39.9342	0.697113	0.465073	1.498932	0.133891	0.20995	27.6464	39.41365	22.95914	66.96381	53.47777	29.1444
2404 GAS1	4512.161	0.696877	0.095897	7.26691	3.68E-13	4.07E-12	3413.518	3672.586	3244.891	5696.388	5240.821	5804.761
3473 VASN	1380.404	0.696789	0.118372	5.886423	3.95E-09	3.02E-08	1022.917	1023.113	1115.257	1868.29	1510.212	1742.634
18207 CUNH9orf1	21.99177	0.696674	0.535705	1.300441	0.193436	0.282447	18.43094	14.23271	17.39328	24.5534	34.22577	23.11453
24073 LOC119627	2.313982	0.696656	1.767383	0.394173	0.693453	0.765814	2.710432	1.642235	0.695731	6.696381	2.139111	0
19155 LOC119627	16.60285	0.696655	0.600807	1.159531	0.24624	0.341753	11.38381	12.04306	14.61036	20.08914	21.39111	20.09959
5685 CLCN7	2115.447	0.696528	0.160738	4.333297	1.47E-05	6.87E-05	1850.683	1233.319	1763.679	2466.5	2344.465	3034.033
22367 LOC103216	5.443525	0.696419	1.048171	0.664413	0.506426	0.601928	2.168345	5.474118	4.87012	6.696381	6.417332	7.034856
22738 HSPB2	5.795543	0.696375	1.155207	0.602814	0.546632	0.639116	3.794605	3.284471	6.261582	13.39276	0	8.039836
2736 PLPP5	1826.167	0.69626	0.102386	6.800352	1.04E-11	1.01E-10	1451.707	1435.861	1295.452	2189.717	2239.649	2344.617
13946 GAB2	61.24485	0.696206	0.344153	2.022955	0.043078	0.082118	39.5723	55.83601	43.83108	80.35657	85.56443	62.30873
2240 MALT1	12111.25	0.696074	0.092415	7.532081	4.99E-14	5.93E-13	9070.731	9890.089	8778.043	14490.97	14462.53	15975.15
20230 LOC119627	15.21389	0.695985	0.702513	0.990707	0.321829	0.422927	7.047123	12.59047	14.61036	22.32127	25.66933	9.044815
3387 MBD5	1309.842	0.695977	0.116887	5.954291	2.61E-09	2.05E-08	963.2875	1109.056	926.7142	1687.488	1544.438	1628.067
3799 CERCAM	1341.344	0.695751	0.125477	5.544832	2.94E-08	2.06E-07	1084.173	950.8543	1042.206	1618.292	1480.265	1872.277
7206 LOC119627	322.8589	0.695708	0.189863	3.664259	0.000248	0.000915	291.6425	210.7535	239.3316	357.1403	385.0399	453.2457
6468 COQ8B	860.0063	0.695344	0.175948	3.951986	7.75E-05	0.000319	748.6213	505.2611	720.082	917.4042	1022.495	1246.175
11541 LOC119615	83.3371	0.695258	0.277516	2.505286	0.012235	0.028181	62.33993	62.40495	66.09448	107.1421	100.5382	101.5029
3021 HGSNAT	2301.904	0.695245	0.108845	6.387483	1.69E-10	1.48E-09	1910.854	1614.317	1751.852	2714.266	2768.009	3052.123
9431 TRNAL-UA	162.5113	0.694895	0.231584	3.000613	0.002694	0.007595	137.6899	101.2712	134.9719	194.195	181.8244	225.1154
4233 VWA5A	753.9112	0.694786	0.133676	5.197535	2.02E-07	1.27E-06	629.3623	532.6317	568.4125	852.6725	928.374	1012.014
3024 LOC103247	9205.355	0.693694	0.108776	6.377285	1.80E-10	1.58E-09	7534.458	6606.166	6967.054	11256.62	10145.8	12722.04
2441 SLC4A7	7382.041	0.693647	0.096228	7.208398	5.66E-13	6.17E-12	5714.675	6042.332	5167.893	8852.616	8905.118	9609.614
12442 COL15A1	81.01468	0.693321	0.29989	2.311917	0.020782	0.044402	58.00324	73.90059	52.87558	104.91	106.9555	89.44317
22256 LOC119627	6.326991	0.693313	1.016129	0.682308	0.495044	0.591335	3.794605	5.474118	5.565851	8.928508	2.139111	12.05975
7453 LOC103224	367.3152	0.693299	0.193655	3.580077	0.000343	0.001225	233.6392	347.6065	259.5078	515.6213	421.4048	426.1113
23366 LOC119627	3.132444	0.693142	1.375631	0.503872	0.614351	0.698987	3.252518	1.094824	2.782925	2.232127	6.417332	3.014938
21788 LOC119618	8.617386	0.693109	0.910323	0.761388	0.446425	0.544717	3.794605	3.831883	12.52316	8.928508	8.556443	14.06971
5174 CPEB2	823.8381	0.693056	0.150939	4.591636	4.40E-06	2.26E-05	555.0964	758.1654	576.7613	1026.778	951.9042	1074.323
6997 LFNG	2848.043	0.692858	0.185487	3.735349	0.000187	0.000712	2597.678	1446.262	2490.023	3339.262	3217.222	3997.808
5114 TSHZ1	607.8259	0.692684	0.149884	4.621484	3.81E-06	1.98E-05	413.6119	532.6317	450.1382	705.3521	725.1585	820.0632
16702 ERVME3R34	39.01159	0.692608	0.449091	1.542247	0.123014	0.195804	31.9831	36.67659	20.87194	31.24978	62.03421	51.25395
6476 KIAA0825	236.6431	0.692567	0.175399	3.948525	7.86E-05	0.000323	178.8885	183.9304	179.4987	301.3371	288.7799	287.4241
13578 FMO5	61.35874	0.692565	0.330912	2.0929	0.036358	0.071187	46.07734	41.05589	54.26705	75.89232	68.45154	82.40832
24383 S100A7	1.734544	0.692467	1.98291	0.349217	0.726926	0.792541	0	0.547412	3.478657	2.232127	2.139111	2.009959
22520 LOC103246	6.949291	0.69219	1.085665	0.637572	0.523752	0.618293	1.626259	4.926706	9.044508	13.39276	10.69555	2.009959
15719 LOC103237	56.61998	0.692121	0.403555	1.715061	0.086334	0.146014	25.47806	58.02565	45.91827	84.82083	64.17332	61.30375
6376 ZBTB42	585.7891	0.691552	0.173273	3.991117	6.58E-05	0.000274	482.4569	368.9556	496.7522	689.7272	624.6203	852.2226
3540 B3GALNT1	1069.302	0.691397	0.118907	5.814622	6.08E-09	4.56E-08	839.6918	733.5318	880.1002	1345.973	1324.11	1292.404
19746 LOC103227	19.94075	0.691102	0.651382	1.060977	0.2887	0.388691	11.9259	20.80165	12.52316	13.39276	44.92132	16.07967
2699 DENND6A	2885.712	0.690278	0.100991	6.835014	8.20E-12	8.08E-11	2136.362	2400.948	2089.281	3566.939	3403.325	3717.419
16419 LOC119627	37.99404	0.689773	0.434813	1.586366	0.112656	0.182409	29.81475	36.12918	20.87194	40.17829	57.75599	43.21412
4380 KCTD21	640.9576	0.68956	0.135399	5.092813	3.53E-07	2.14E-06	495.4669	509.6404	468.9229	696.4236	832.114	843.1778
6959 ANG	334.4316	0.68947	0.183705	3.75314	0.000175	0.000667	264.5381	210.7535	291.5114	455.3539	408.5701	375.8623
2037 TRIM38	3009.683	0.689438	0.087297	7.897599	2.84E-15	3.71E-14	2375.422	2289.824	2246.517	3718.724	3692.105	3735.509
3233 TSC22D3	2956.653	0.689364	0.11244	6.130934	8.74E-10	7.18E-09	2449.688	2048.415	2296.609	3609.349	3354.126	3981.729
4792 CASP8AP2	2089.735	0.689065	0.143017	4.818051	1.45E-06	8.04E-06	1433.276	1975.062	1391.463	2421.858	2686.723	2630.031
10609 LOC119627	107.8435	0.688896	0.253336	2.719301	0.006542	0.016394	74.26583	81.01695	92.53227	131.6955	136.9031	130.6473
2647 LIMD1	2600.622	0.688617	0.099763	6.902535	5.11E-12	5.13E-11	2004.635	2046.773	1927.872	3120.514	3024.702	3479.239
6120 LOC119627	526.7032	0.688434	0.167473	4.110719	3.94E-05	0.000171	448.3054	326.8049	436.2236	691.9594	577.5599	679.3661
3490 ADGRL1	1151.413	0.688289	0.117339	5.865795	4.47E-09	3.40E-08	826.1396	913.0829	910.7124	1319.187	1394.7	1544.653
14683 FYB1	63.06582	0.688252	0.363709	1.892313	0.058449	0.105828	31.44101	61.31012	52.17985	73.66019	83.42532	76.3784



3293	TFPI	4973.124	0.687829	0.113719	6.04848	1.46E-09	1.18E-08	3538.198	4427.467	3462.655	6151.742	6057.961	6200.723
9905	PWWP2B	216.3537	0.687604	0.238427	2.883917	0.003928	0.010542	179.9727	126.9995	192.0219	292.4086	203.2155	303.5038
15198	TRNAD-GU	65.1276	0.687578	0.382764	1.79635	0.072439	0.126713	44.99317	33.93953	70.9646	100.4457	62.03421	78.3884
18452	LOC103232	24.48699	0.687464	0.547014	1.256758	0.208841	0.300891	17.34676	12.04306	27.13352	35.71403	23.53022	31.15436
3056	RHPN2	1881.579	0.687463	0.108575	6.331674	2.43E-10	2.11E-09	1516.758	1415.06	1397.724	2245.52	2164.78	2549.633
14728	AMHR2	68.34102	0.687447	0.364878	1.884045	0.059559	0.107508	66.67662	34.48694	54.96278	87.05295	100.5382	66.32864
20297	LOC103242	12.35828	0.687034	0.702244	0.978342	0.327905	0.42947	9.215468	10.94824	8.348776	17.85702	10.69555	17.08465
12875	LOC103242	77.70265	0.686843	0.30891	2.223441	0.026186	0.054073	59.6295	51.45671	66.79021	89.28508	117.6511	81.40334
2661	PRKACB	3112.109	0.686455	0.099788	6.879115	6.02E-12	6.02E-11	2307.662	2607.322	2242.342	3749.973	3809.756	3955.599
7021	LOC103228	457.1988	0.686168	0.18413	3.726551	0.000194	0.000735	325.2518	419.3174	303.3389	658.4775	560.447	476.3603
5809	VKORC1	1044.259	0.685922	0.160671	4.269121	1.96E-05	8.98E-05	907.9947	610.3642	885.666	1270.08	1208.598	1382.852
4351	RSU1	2357.943	0.685888	0.134046	5.116801	3.11E-07	1.90E-06	1566.088	2189.1	1666.972	2977.657	2885.66	2862.182
4447	FZD1	736.4016	0.685287	0.13585	5.044459	4.55E-07	2.72E-06	578.9482	532.0843	587.893	857.1368	834.2532	1028.094
22866	MHC-DQB1	5.474566	0.685277	1.174496	0.583465	0.55958	0.650564	8.673382	2.189647	1.391463	11.16063	6.417332	3.014938
3564	RMDN3	2317.324	0.685227	0.118365	5.789082	7.08E-09	5.28E-08	1959.1	1612.675	1764.375	2723.195	2673.888	3170.71
23469	TRNAV-AA	2.867158	0.685074	1.399196	0.48962	0.624403	0.707305	1.626259	2.737059	2.087194	4.464254	4.278221	2.009959
23316	LOC119622	3.687621	0.685001	1.339682	0.511316	0.60913	0.694533	3.794605	3.831883	0.695731	2.232127	8.556443	3.014938
16903	INKA1	40.14476	0.684934	0.454862	1.505807	0.132117	0.207793	41.74065	18.612	32.69937	46.87467	40.6431	60.29877
7578	LOC119622	1873.351	0.684718	0.193779	3.533493	0.00041	0.001439	1135.129	2042.393	1132.651	2310.251	2310.24	2309.443
18792	LOC103232	19.55686	0.68433	0.561252	1.219291	0.222734	0.315124	16.80468	14.23271	13.91463	29.01765	19.252	24.11951
3226	IL4R	3200.113	0.684122	0.111508	6.135191	8.51E-10	7.01E-09	2412.826	2568.456	2390.533	3868.276	3514.559	4446.029
2862	ANKRD52	4738.926	0.683921	0.103721	6.593869	4.29E-11	3.98E-10	3431.949	3895.93	3586.495	5620.496	5471.845	6426.844
3820	FASTKD5	912.488	0.683505	0.123693	5.525801	3.28E-08	2.28E-07	699.2914	741.743	663.032	1026.778	1123.033	1221.05
22429	LOC119622	5.702422	0.683353	1.048288	0.651876	0.514481	0.609813	3.794605	4.926706	4.174388	4.464254	12.83466	4.019918
5888	TACC2	1430.318	0.683135	0.161854	4.220684	2.44E-05	0.00011	968.1663	1403.564	923.2355	1705.345	1662.089	1919.511
2742	UBE2V2	1949.827	0.683104	0.100639	6.787632	1.14E-11	1.11E-10	1404.004	1584.21	1502.084	2323.644	2477.09	2407.931
5255	CD68	2121.992	0.683066	0.150095	4.550903	5.34E-06	2.70E-05	1408.882	2047.868	1431.119	2562.482	2470.673	2810.928
3841	DZIP1L	697.8527	0.682815	0.124083	5.502873	3.74E-08	2.59E-07	553.4702	527.705	528.7558	816.9585	840.6705	919.5562
2378	ESYT2	9279.035	0.682753	0.093477	7.303974	2.79E-13	3.12E-12	7095.368	7526.365	6753.464	10932.96	11057.06	12308.99
7236	LOC119622	425.5362	0.682479	0.186661	3.656245	0.000256	0.00094	300.3158	369.503	313.7748	526.782	410.7092	632.1321
22623	COX6A2	4.860232	0.682224	1.098385	0.621115	0.534524	0.628137	2.710432	4.926706	3.478657	4.464254	8.556443	5.024897
3792	PLEKHA5	10883.27	0.682202	0.122873	5.552078	2.82E-08	1.98E-07	7757.798	10020.37	7291.265	13225.35	13782.29	13222.51
5486	PSMB10	1585.964	0.682127	0.15448	4.415636	1.01E-05	4.88E-05	1374.189	915.82	1363.633	2029.003	1916.643	1916.496
20172	LOC103242	21.4226	0.682029	0.681541	1.000715	0.316965	0.417733	16.26259	15.32753	16.69755	35.71403	38.50399	6.029877
18077	LOC103232	33.13811	0.682001	0.513553	1.328005	0.184177	0.27086	20.59928	27.37059	27.13352	46.87467	57.75599	19.09461
17918	LOC103228	26.17737	0.68192	0.502213	1.357829	0.174518	0.258941	14.09425	21.89647	24.3506	33.4819	32.08666	31.15436
20966	LOC103232	10.92353	0.681818	0.771908	0.883289	0.37708	0.47814	10.29964	4.379295	10.43597	13.39276	14.97377	12.05975
6116	TRIM3	478.4385	0.681207	0.165688	4.111375	3.93E-05	0.000171	354.5245	337.2057	415.3516	544.639	530.4994	688.4109
16184	LOC103215	37.05162	0.681003	0.418046	1.629016	0.10331	0.169694	23.30971	31.20247	30.61218	44.64254	51.33866	41.20416
23364	LOC119622	3.460556	0.680947	1.34938	0.504637	0.613814	0.698435	0.542086	3.284471	4.174388	4.464254	4.278221	4.019918
23415	LOC103236	3.163909	0.680907	1.370465	0.496844	0.619299	0.703142	1.084173	2.189647	4.174388	2.232127	4.278221	5.024897
2422	NDRG1	18620.73	0.680852	0.094044	7.239714	4.50E-13	4.94E-12	14401.61	15067.51	13455.44	22609.21	21451	24739.58
14913	LOC119622	61.25171	0.680805	0.367726	1.851389	0.064114	0.114294	39.03022	63.49977	37.56949	84.82083	81.28621	61.30375
3737	LOC103242	4864.039	0.6808	0.121446	5.605787	2.07E-08	1.47E-07	3396.713	4360.135	3457.089	6040.136	5510.349	6419.809
2914	LDB1	2092.535	0.680605	0.104232	6.529736	6.59E-11	6.01E-10	1504.832	1728.727	1592.529	2598.196	2438.586	2692.34
5333	LMLN	519.6862	0.680394	0.151142	4.501696	6.74E-06	3.36E-05	436.9216	395.7787	368.0419	631.6919	571.1425	714.5404
5047	PCYOX1L	535.4268	0.680193	0.145905	4.661892	3.13E-06	1.65E-05	388.6759	460.9207	386.1309	671.8702	607.5074	697.4558
6423	FAH	442.0103	0.680038	0.171257	3.970876	7.16E-05	0.000296	348.5615	284.1067	389.6096	520.0856	502.691	607.0076
18011	LOC119618	42.63805	0.679808	0.506887	1.341144	0.179874	0.265488	41.19856	22.44388	33.39511	49.10679	85.56443	24.11951
13281	LOC119615	67.23436	0.679242	0.315712	2.15146	0.30144	0.062934	76.97626	47.62483	77.22618	118.3027	77.70354	115.5726
14949	PROM2	81.48413	0.679163	0.368012	1.845491	0.064966	0.11553	47.7036	42.69812	50.09266	69.19594	106.9555	52.25893
11316	SNAP25	107.2555	0.679143	0.265868	2.554439	0.010636	0.024987	84.02339	82.11177	80.70484	109.3742	164.7115	122.6075
6033	TLR3	1053.187	0.679107	0.163665	4.149371	3.33E-05	0.000147	685.1972	1026.945	718.6905	1227.67	1255.658	1404.961
5922	HPS1	940.3143	0.678921	0.161623	4.200644	2.66E-05	0.000119	834.2709	595.0366	743.7368	1127.224	998.9647	1342.653
3122	CLN5	1358.024	0.678669	0.108554	6.251923	4.05E-10	3.45E-09	1053.274	1042.272	1034.553	1828.112	1600.055	1589.878
24437	LOC119622	1.444867	0.678552	1.998228	0.339577	0.734175	0.798709	1.084173	1.642235	0.695731	2.232127	0	3.014938
4408	ADAMTSL5	596.3966	0.67841	0.133689	5.074542	3.88E-07	2.34E-06	456.9788	441.7613	480.7504	714.2806	686.6545	797.9537
3323	PM20D2	1933.146	0.678364	0.112654	6.021668	1.73E-09	1.38E-08	1459.839	1660.847	1339.283	2412.929	2323.074	2402.906
2426	TKT	62391.4	0.678347	0.09378	7.233426	4.71E-13	5.16E-12	47855.38	49917.94	46195.87	75644.55	70791.73	83942.92
5614	LOC103222	983.5374	0.678207	0.155367	4.365208	1.27E-05	6.01E-05	855.4123	598.3211	818.1801	1223.206	1101.642	1304.463
17226	ADAM22	36.81083	0.678063	0.463347	1.463402	0.143357	0.221244	19.51511	30.65506	34.09084	42.41041	62.03421	32.15934
19017	LOC103218	23.2843	0.677812	0.573724	1.181426	0.237433	0.331922	14.63633	20.80165	17.39328	29.01765	42.78221	15.07469
3167	STMN3	2977.522	0.677765	0.109322	6.1997	5.66E-10	4.75E-09	2382.47	2173.772	2321.656	3624.974	3292.091	4070.167
4550	GAA	3258.646	0.677716	0.136289	4.972645	6.60E-07	3.86E-06	2768.435	2046.773	2709.874	4006.668	3585.149	4434.974
17664	LOC103242	28.12276	0.677169	0.485879	1.393701	0.163408	0.245935	19.51511	21.34906	23.65487	29.01765	47.06043	28.13943
19130	LOC103232	21.78159	0.677141	0.581596	1.16428	0.24431	0.339519	17.34676	23.53871	9.044508	24.5534	32.08666	24.11951
3682	TRPM6	788.6767	0.676882	0.119469	5.665758	1.46E-08	1.06E-07	604.4263	641.5666	576.0656	953.1182	951.9042	1004.979
6912	AP4S1	316.9622	0.676736	0.179457	3.771027	0.000163	0.000625	250.986	256.7361	220.5468	433.0326	412.8484	327.6233
4103	RAB2A	4637.669	0.676692	0.127833	5.29358	1.20E-07	7.77E-07	3137.596	4304.847	3264.372	5694.156	5899.667	5525.377
21446	LOC103222	10.85287	0.676609	0.83311	0.812148	0.416706	0.51						



3846	NAA60	2013.028	0.675231	0.122759	5.500478	3.79E-08	2.62E-07	1486.401	1692.05	1477.733	2412.929	2201.145	2807.913
19248	KLHDC8A	24.4747	0.675147	0.589608	1.145078	0.252177	0.348308	19.51511	15.87494	20.17621	29.01765	49.19955	13.06473
3899	ABHD4	2043.851	0.674841	0.12394	5.444884	5.18E-08	3.53E-07	1523.805	1701.356	1503.475	2430.786	2220.397	2883.286
20750	FCER1G	11.74968	0.674425	0.740738	0.910478	0.362571	0.464437	7.047123	11.49565	8.348776	11.16063	21.39111	11.05477
3600	SHISA2	1583.056	0.674408	0.117442	5.742483	9.33E-09	6.89E-08	1209.395	1293.534	1161.176	1825.88	1822.522	2185.83
18601	LOC103238	21.83923	0.674388	0.545737	1.235738	0.216556	0.309507	14.09425	21.34906	14.61036	26.78552	32.08666	22.10955
9024	LETM2	273.9915	0.673932	0.216781	3.108814	0.001878	0.005534	190.8144	270.4214	170.4542	328.1227	328.6226	305.5138
20721	LOC119615	11.54763	0.673826	0.736134	0.915357	0.360004	0.461884	10.29964	7.663765	8.348776	20.08914	12.83466	10.04979
8667	RCBTB2	187.0973	0.673528	0.209663	3.212431	0.001316	0.004037	156.663	131.9262	146.1036	203.1236	222.4675	262.2996
14127	STPG1	58.92198	0.673386	0.33861	1.988676	0.046737	0.087952	49.32986	42.69812	45.22254	60.26743	70.59065	85.42325
20109	CD27	17.47729	0.672946	0.66548	1.011219	0.311912	0.412361	11.38381	12.04306	16.69755	11.16063	38.50399	15.07469
3758	MFAP3L	1368.546	0.672728	0.120457	5.584796	2.34E-08	1.66E-07	980.6342	1192.263	994.2001	1622.756	1655.672	1765.749
22986	MB	4.623617	0.67266	1.187588	0.566409	0.571116	0.660538	5.420864	3.831883	1.391463	8.928508	2.139111	6.029877
4062	LOC103247	1824.056	0.672172	0.126274	5.323139	1.02E-07	6.68E-07	1609.997	1224.56	1387.984	2113.824	2216.119	2391.851
16425	LOC103222	42.94465	0.672047	0.423906	1.585368	0.112883	0.182708	31.9831	22.9913	45.22254	49.10679	47.06043	61.30375
22177	ADIG	6.932759	0.671993	0.966599	0.695214	0.486921	0.583726	4.336691	7.116354	4.174388	13.39276	8.556443	4.019918
16228	LOC119618	38.89856	0.671824	0.414307	1.621559	0.104898	0.171835	33.06727	29.56024	26.43779	55.80317	51.33866	37.18424
10764	LOC119628	117.3886	0.671559	0.25093	2.67628	0.007444	0.018385	78.60252	95.24966	98.09812	127.2312	160.4333	144.717
3104	LY6E	4064.142	0.671231	0.106992	6.273665	3.53E-10	3.02E-09	3239.508	2900.735	3269.937	5176.302	4457.907	5340.461
2771	CYP2U1	1899.07	0.671202	0.099567	6.741189	1.57E-11	1.51E-10	1543.32	1450.094	1403.986	2312.484	2252.484	2432.05
27080	LOC103235	0.348192	0.671062	4.040349	0.16609	0.868086	NA	1.084173	0	0	0	0	1.004979
27500	LOC119626	0.348192	0.671062	4.040349	0.16609	0.868086	NA	1.084173	0	0	0	0	1.004979
27885	LOC119627	0.348192	0.671062	4.040349	0.16609	0.868086	NA	1.084173	0	0	0	0	1.004979
27959	LOC119628	0.348192	0.671062	4.040349	0.16609	0.868086	NA	1.084173	0	0	0	0	1.004979
3318	GNPTAB	3432.754	0.670838	0.111336	6.025347	1.69E-09	1.35E-08	2507.692	2981.752	2459.41	4176.31	3968.05	4503.313
4050	ASB8	887.4383	0.670769	0.125775	5.333089	9.66E-08	6.34E-07	739.9479	624.5969	692.2527	1015.618	1099.503	1152.711
19688	MMP21	18.30844	0.670748	0.625889	1.071674	0.283867	0.383309	13.01007	17.51718	11.82743	11.16063	34.22577	22.10955
16448	LOC103224	51.56708	0.670413	0.424303	1.580034	0.114099	0.184408	35.23561	44.34036	39.65669	33.4819	98.39909	58.28881
4046	CUNH8orf5	831.3105	0.670385	0.125585	5.338079	9.39E-08	6.17E-07	668.9346	608.7219	651.2046	964.2789	971.1562	1123.567
24084	DEFB113	2.341896	0.670263	1.706748	0.392714	0.694531	0.766678	2.710432	0.547412	2.087194	6.696381	0	2.009959
18396	MEGF11	33.49799	0.670055	0.52959	1.265234	0.205788	0.297394	33.60935	12.04306	31.30791	42.41041	53.47777	28.13943
20880	LOC103234	11.21922	0.669959	0.750365	0.892845	0.37194	0.473565	6.505036	8.211177	11.1317	11.16063	19.252	11.05477
21889	LOC103246	13.2664	0.669824	0.897628	0.746216	0.455537	0.553267	8.131296	11.49565	10.43597	11.16063	36.36488	2.009959
2800	ILRUN	6454.373	0.669728	0.100022	6.695828	2.14E-11	2.04E-10	5202.403	4856.09	4895.862	7600.392	7379.932	8791.56
8285	LOC119615	207.8524	0.669673	0.201862	3.317473	0.000908	0.002915	169.673	171.3399	141.2335	220.9806	269.5279	274.3594
3456	ITFG1	4991.589	0.669637	0.113565	5.896518	3.71E-09	2.86E-08	3562.05	4477.829	3520.401	6051.296	6139.248	6198.713
23832	LOC119627	2.315861	0.669366	1.545873	0.433002	0.665013	0.741833	1.626259	1.094824	2.782925	2.232127	2.139111	4.019918
13969	TRNAH-GU	94.98097	0.669133	0.331576	2.018041	0.043587	0.082952	84.02339	43.79295	92.53227	124.9991	106.9555	117.5826
17828	LOC119624	27.34268	0.669108	0.487557	1.372368	0.169949	0.253427	27.10432	17.51718	18.78475	31.24978	34.22577	35.17428
18884	LOC119620	21.07558	0.668984	0.554512	1.206437	0.227649	0.320486	18.97302	16.96977	12.52316	33.4819	21.39111	23.11453
7908	SLC26A11	196.6435	0.668901	0.194713	3.435324	0.000592	0.00199	162.0838	138.4952	155.1481	247.7661	233.1631	243.205
24039	HOXD1	2.272443	0.668754	1.667995	0.400933	0.68847	0.761386	1.626259	2.189647	1.391463	0	6.417332	2.009959
12433	TEKT2	84.36428	0.668729	0.288842	2.315206	0.020602	0.044052	74.80792	63.49977	56.35424	102.6778	113.3729	95.47305
2498	DHRS7	2357.767	0.668728	0.093718	7.135503	9.64E-13	1.03E-11	1908.144	1782.92	1772.028	2805.784	2956.251	2921.475
5263	BAK1	1851.986	0.668657	0.147095	4.54576	5.47E-06	2.76E-05	1595.902	1119.457	1578.614	2249.984	2102.746	2465.215
23801	LOC119625	2.568203	0.668388	1.531748	0.436356	0.662578	0.74008	1.626259	2.737059	1.391463	2.232127	6.417332	1.004979
2810	RIT1	1393.656	0.668019	0.09993	6.684898	2.31E-11	2.19E-10	1102.604	1066.358	1062.382	1703.113	1672.785	1754.694
23164	REG4	4.074133	0.667806	1.24782	0.535179	0.592526	0.680034	2.168345	2.189647	4.87012	8.928508	4.278221	2.009959
5120	NFAT5	3065.549	0.667749	0.144576	4.618682	3.86E-06	2.01E-05	2096.79	2972.994	2036.406	3620.51	3722.053	3944.544
12212	LOC119627	86.07774	0.667378	0.282208	2.364844	0.018038	0.039267	69.92741	61.31012	68.87741	89.28508	115.512	111.5527
11251	LRFN3	122.718	0.667305	0.259626	2.570252	0.010162	0.024014	98.65972	110.5772	75.83472	151.7846	132.6249	166.8266
24033	LOC119625	2.342784	0.667232	1.66142	0.401604	0.687976	0.76103	2.168345	1.094824	2.087194	6.696381	0	2.009959
22733	LOC103226	4.9101	0.666966	1.104645	0.603783	0.545988	0.638503	4.336691	3.284471	3.478657	8.928508	6.417332	3.014938
22664	LOC103226	5.161658	0.666893	1.088814	0.612495	0.54021	0.633669	4.878777	2.737059	4.174388	4.464254	10.69555	4.019918
7411	TBX15	320.4393	0.66662	0.185385	3.595871	0.000323	0.00116	215.7504	297.792	228.1999	421.872	387.179	371.8424
11341	LOC103217	448.0391	0.666342	0.261527	2.547887	0.010838	0.025405	495.4669	207.4691	334.6468	537.9426	652.4288	460.2806
24490	LOC119627	1.428477	0.666113	2.004029	0.332387	0.739597	0.802833	1.626259	1.094824	0.695731	0	2.139111	3.014938
16819	DOC2B	44.70932	0.66606	0.437567	1.522191	0.127961	0.202262	24.93597	33.93953	43.83108	75.89232	53.47777	36.17926
4321	ATP6VOC	3606.878	0.665855	0.129502	5.141676	2.72E-07	1.68E-06	2448.604	3363.298	2554.726	4560.235	4248.274	4466.129
2979	SPEG	1804.71	0.665731	0.103186	6.451734	1.11E-10	9.87E-10	1402.92	1361.961	1426.945	2124.985	2115.58	2395.871
13071	LOC103225	98.84484	0.665591	0.303561	2.192612	0.028335	0.057627	74.80792	73.90059	80.70484	80.35657	164.7115	118.5876
3296	LIPG	2020.447	0.665323	0.110057	6.045247	1.49E-09	1.20E-08	1602.949	1672.891	1414.422	2339.269	2462.116	2631.036
6022	LOC119624	371.5912	0.665104	0.160106	4.154153	3.26E-05	0.000144	302.4842	301.6239	258.1163	415.1756	489.8563	462.2906
27078	LOC103235	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
27289	LOC119625	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
27970	LOC119625	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
28640	LOC119620	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
28711	LOC119620	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
29046	LOC119627	0.34908	0.664971	4.039763	0.164606	0.869254	NA	0.542086	0.547412	0	0	0	1.004979
21917	LOC119618	10.4285	0.664762	0.896303	0.741671	0.458287	0.555895	2.168345	12.59047	9.044508	15.62489	17.11289	6.029877
3498	LMBRD1	1118.963	0.664515	0.113525	5.853486	4.81E-09	3.66E-08	862.4594	927				



6188	THNSL1	378.7471	0.663947	0.162719	4.080326	4.50E-05	0.000193	291.6425	331.7316	255.3334	464.2824	464.187	465.3055
21232	LOC103237	10.07719	0.663753	0.784265	0.846338	0.397364	0.497547	5.96295	7.663765	9.740239	8.928508	17.11289	11.05477
19723	LOC119627	15.30562	0.663733	0.623122	1.065173	0.286798	0.38658	10.84173	12.04306	12.52316	20.08914	19.252	17.08465
24755	LOC103214	1.43559	0.66371	2.297215	0.288919	0.772643	0.82975	0	0.547412	2.782925	0	4.278221	1.004979
21183	LOC119618	10.11083	0.663666	0.77824	0.852779	0.393782	0.494203	9.215468	5.474118	9.044508	11.16063	10.69555	15.07469
6183	MIEF2	773.4831	0.663665	0.162524	4.083486	4.44E-05	0.000191	662.4295	486.1017	650.5088	968.7431	812.8621	1060.253
24192	LOC119624	2.855902	0.66366	1.767524	0.375474	0.707308	0.777272	2.710432	1.642235	2.087194	0	10.69555	0
21873	LOC119620	8.108374	0.663558	0.886062	0.748885	0.453927	0.551689	7.047123	3.831883	7.653045	13.39276	10.69555	6.029877
19572	LOC103247	18.88763	0.663383	0.609579	1.088264	0.276479	0.375546	10.84173	15.87494	16.69755	35.71403	17.11289	17.08465
18079	ZNF883	27.48515	0.663203	0.499948	1.326544	0.18466	0.27154	20.0572	24.08612	18.78475	44.64254	34.22577	23.11453
16461	NEBL	43.36404	0.663181	0.420099	1.578632	0.114421	0.184796	26.02015	43.79295	29.91645	62.49956	57.75599	40.19918
3668	CHFR	1239.723	0.662842	0.116656	5.682005	1.33E-08	9.65E-08	997.4389	957.4233	929.4971	1415.169	1452.456	1686.356
5660	LOC103237	469.2488	0.662792	0.152651	4.341887	1.41E-05	6.64E-05	365.9083	377.1667	348.5614	616.067	487.7172	620.0723
18345	CACNA2D3	32.69703	0.66211	0.519463	1.274606	0.202449	0.293383	24.93597	18.06459	32.00364	40.17829	59.8951	21.10457
19320	LOC103220	34.96121	0.662099	0.585105	1.131592	0.257806	0.35475	27.6464	30.10765	22.2634	31.24978	83.42532	15.07469
23243	LOC119627	4.060406	0.662078	1.266299	0.522845	0.601082	0.687503	1.084173	3.284471	4.87012	6.696381	6.417332	2.009959
3861	KANK1	1343.182	0.662005	0.120683	5.4855	4.12E-08	2.84E-07	1010.449	1124.931	988.6343	1680.792	1467.43	1786.853
6445	VAMP2	418.0262	0.661809	0.167044	3.96188	7.44E-05	0.000307	280.2587	380.4512	310.9919	484.3716	530.4994	521.5843
19298	SOWAHA	20.73504	0.661776	0.582718	1.135673	0.256094	0.352796	19.51511	10.94824	17.39328	20.08914	36.36488	20.09959
14866	CUNH2orf1	51.31465	0.661628	0.355752	1.859801	0.062914	0.112509	40.11439	37.77142	41.74388	51.33892	70.59065	66.32864
13291	LOC103238	86.27713	0.661142	0.307484	2.150164	0.031542	0.063092	72.63957	49.26706	79.31338	91.51721	113.3729	111.5527
2617	SGPP1	2247.65	0.660844	0.094986	6.957269	3.47E-12	3.52E-11	1808.4	1727.084	1692.019	2738.82	2650.358	2869.216
3059	KDM5B	2612.378	0.660822	0.104478	6.324989	2.53E-10	2.20E-09	2042.581	2165.561	1868.039	3071.407	3101.71	3424.97
3195	HFE	1125.877	0.660607	0.107143	6.16568	7.02E-10	5.84E-09	868.9645	886.8071	862.0112	1439.722	1304.858	1392.902
8508	TNFAIP8L1	199.0417	0.660576	0.202972	3.254512	0.001136	0.003549	146.3633	177.9088	137.7548	254.4625	239.5804	238.1801
15141	CUNH2orf1	54.72511	0.660523	0.36546	1.807376	0.070704	0.124144	36.86187	35.03436	55.65851	71.42806	62.03421	67.33362
27014	SUSD3	0.562821	0.660167	3.488086	0.189263	0.849886	NA	0.542086	0	0.695731	0	2.139111	0
28229	LOC119619	0.562821	0.660167	3.488086	0.189263	0.849886	NA	0.542086	0	0.695731	0	2.139111	0
28636	LOC119620	0.562821	0.660167	3.488086	0.189263	0.849886	NA	0.542086	0	0.695731	0	2.139111	0
28778	CYLC1	0.562821	0.660167	3.488086	0.189263	0.849886	NA	0.542086	0	0.695731	0	2.139111	0
17545	LOC103234	34.33512	0.659905	0.468323	1.409079	0.158812	0.240643	18.43094	25.72836	36.17803	31.24978	49.19955	45.22408
27612	LOC119628	0.578324	0.659814	3.458037	0.190806	0.848678	NA	0.542086	0	0.695731	2.232127	0	0
28815	TRNAK-CU	0.578324	0.659814	3.458037	0.190806	0.848678	NA	0.542086	0	0.695731	2.232127	0	0
4060	LOC27A1	982.9911	0.659528	0.123843	5.325527	1.01E-07	6.59E-07	690.618	841.9194	754.8685	1147.313	1232.128	1231.1
23016	LOC119629	4.052406	0.659242	1.178463	0.559408	0.575883	0.665183	3.252518	3.284471	2.782925	6.696381	4.278221	4.019918
8283	LOC103237	192.0975	0.659074	0.198557	3.319327	0.000902	0.002896	159.9155	133.5685	153.7566	225.4448	241.7195	238.1801
27269	LOC119629	0.349967	0.658899	4.039181	0.163127	0.870419	NA	0	1.094824	0	0	0	1.004979
28501	LOC119620	0.349967	0.658899	4.039181	0.163127	0.870419	NA	0	1.094824	0	0	0	1.004979
3241	LOC103247	1979.723	0.658511	0.107654	6.11691	9.54E-10	7.83E-09	1582.35	1398.09	1629.403	2441.947	2290.988	2535.563
20053	LOC119619	15.9137	0.658103	0.64533	1.019792	0.307827	0.408077	11.9259	12.59047	11.82743	24.5534	23.53022	11.05477
7975	LOC103224	239.2919	0.657944	0.192485	3.418162	0.00063	0.002102	170.7572	206.9217	178.803	261.1589	333.7013	284.4092
2517	SERINC1	7361.623	0.657936	0.092661	7.100493	1.24E-12	1.31E-11	5759.668	5958.578	5420.443	8924.044	8477.296	9629.713
15157	SPON2	55.06997	0.657857	0.3645	1.804819	0.071103	0.124713	50.41403	33.39212	43.83108	82.5887	59.8951	60.29877
23491	TEX52	3.182404	0.657817	1.353819	0.485897	0.62704	0.709628	2.168345	2.737059	2.782925	2.232127	2.139111	7.034856
4386	TBC1D20	779.7922	0.657552	0.129209	5.089075	3.60E-07	2.18E-06	604.4263	641.0192	573.2826	872.7616	939.0696	1048.194
21754	LOC119627	8.989636	0.657432	0.856206	0.767843	0.442581	0.540866	8.131296	3.284471	9.740239	11.16063	8.556443	13.06473
7829	LOC103239	216.6548	0.657044	0.189965	3.458773	0.000543	0.001843	179.9727	152.7279	172.5414	272.3195	245.9977	276.3694
4801	CNNM3	1023.297	0.65688	0.136504	4.812167	1.49E-06	8.27E-06	860.2911	708.8983	818.1801	1216.509	1120.894	1415.011
3705	ATAD2	9629.05	0.656655	0.116533	5.634919	1.75E-08	1.26E-07	6840.046	8811.141	6773.641	11582.51	11621.79	12145.18
18680	LOC119629	22.59115	0.656494	0.533139	1.231374	0.218183	0.310514	19.51511	18.06459	15.30609	31.24978	19.252	32.15934
19227	LOC103234	19.62526	0.65592	0.570458	1.149813	0.250221	0.345978	16.26259	13.6853	15.30609	22.32127	32.08666	18.08963
17669	LOC119627	33.90456	0.655866	0.471412	1.39128	0.164141	0.246968	22.22554	19.15941	38.26523	40.17829	36.36488	47.23404
6333	LOC103216	413.9613	0.655762	0.163464	4.011662	6.03E-05	0.000253	368.0766	295.6024	301.9474	453.1218	528.3603	536.659
10349	LOC119620	130.903	0.655692	0.236141	2.776693	0.005492	0.014107	107.8752	92.5126	105.0554	174.1059	139.0422	166.8266
7611	CFAP54	260.9583	0.655256	0.186013	3.522641	0.000427	0.001492	204.9086	215.1328	185.0645	350.4439	335.8404	274.3594
19145	LOC103218	22.15574	0.65524	0.563905	1.161968	0.245248	0.340555	15.7205	17.51718	18.78475	13.39276	36.36488	31.15436
22133	LOC103248	6.913278	0.655174	0.931483	0.703367	0.481827	0.578745	4.878777	5.474118	5.565851	6.696381	12.83466	6.029877
2860	TATDN1	1801.219	0.655142	0.099275	6.599258	4.13E-11	3.84E-10	1424.061	1386.047	1383.114	2261.145	2286.709	2066.238
26613	LOC119628	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
27370	LOC103236	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
27415	LOC119629	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
27884	LOC119627	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
28195	LOC103228	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
29088	LOC103239	0.563709	0.654767	3.486361	0.187808	0.851027	NA	0	0.547412	0.695731	0	2.139111	0
3099	LAT	2862.855	0.654638	0.104219	6.281385	3.36E-10	2.88E-09	2101.669	2386.716	2188.771	3446.404	3272.839	3780.733
22222	LOC119628	10.32767	0.654561	0.950994	0.688291	0.49127	0.587724	10.84173	2.737059	10.43597	2.232127	25.66933	10.04979
22697	ACTL8	5.525555	0.65456	1.075633	0.608535	0.542833	0.63582	4.878777	1.642235	6.261582	8.928508	6.417332	5.024897
29081	DEFB126	0.579212	0.65443	3.456386	0.189339	0.849827	NA	0	0.547412	0.695731	2.232127	0	0
19063	LOC119629	22.76826	0.65385	0.556473	1.17499	0.239999	0.334699	16.80468	15.87494	20.17621	17.85702	42.78221	23.11453
8378	LOC103234	210.1893	0.653789	0.198707	3.290212	0.001001	0.003177	149.0738	187.7623	153.0609	243.3018	271.6671	256.2698
3784	LOC103239	797.6446	0.653235	0.117523	5.558345	2.72E-08	1.91E-07	596.295	642.6615	622.6796	986.6001	932.6523	1004.979
17349	LOC119629	36.83699	0.652696	0.453488	1.439279	0.150071	0.229954</						



20169	LOC103211	18.41056	0.651861	0.651282	1.00089	0.31688	0.417684	11.9259	14.23271	16.69755	37.94616	8.556443	21.10457
24189	LOC119620	2.310003	0.651709	1.733368	0.375978	0.706933	0.776957	3.252518	0	2.087194	2.232127	4.278221	2.009959
2911	ATL3	8490.096	0.651202	0.09964	6.535551	6.34E-11	5.79E-10	6413.424	7275.103	6131.481	10332.52	9854.883	10933.17
9723	LOC103224	152.0033	0.651072	0.222661	2.924054	0.003455	0.009447	109.5014	120.978	123.1445	180.8023	211.772	165.8216
14714	LOC119620	59.85004	0.650947	0.344873	1.887498	0.059093	0.106769	48.78777	42.15071	48.00546	64.73168	94.12087	61.30375
3230	ZFP90	2980.786	0.650871	0.10614	6.132201	8.67E-10	7.13E-09	2276.763	2581.594	2099.717	3631.671	3625.793	3669.18
19151	SERPINA1C	25.03228	0.650716	0.160383	1.160383	0.245893	0.341343	18.7302	18.612	20.87194	13.39276	49.19955	29.1444
18080	ANKDD1A	29.17134	0.65051	0.490557	1.326065	0.184818	0.271758	26.02015	24.63353	16.69755	33.4819	47.06043	27.13445
24614	LOC119620	1.439898	0.650496	2.069215	0.314368	0.753241	0.813558	2.168345	1.094824	0	2.232127	2.139111	1.004979
17376	LOC119620	42.60162	0.650331	0.453333	1.434556	0.151414	0.23166	47.16151	18.06459	34.09084	53.57105	53.47777	49.24399
3238	LOC103241	1654.364	0.650244	0.106197	6.123013	9.18E-10	7.54E-09	1222.405	1326.379	1314.932	2151.77	1869.583	2041.113
15053	LOC119611	71.09963	0.650164	0.356512	1.823679	0.068201	0.120449	73.18166	37.224	55.65851	71.42806	102.6773	86.42823
23203	LOC103211	4.063042	0.650138	1.227774	0.529526	0.596441	0.683376	4.336691	1.094824	4.174388	4.464254	4.278221	6.029877
24883	LOC119621	1.162303	0.649726	2.414543	0.269089	0.787861	0.841751	0.542086	2.189647	0	2.232127	0	2.009959
14377	AMIGO3	57.94752	0.649292	0.333244	1.948398	0.051367	0.094977	46.61943	39.96106	48.7012	69.19594	74.86887	68.3386
4433	IP6K1	2659.946	0.649203	0.128374	5.057127	4.26E-07	2.55E-06	2388.433	1797.153	2032.231	3142.835	3018.285	3580.742
4215	OSBPL5	1118.225	0.64916	0.124646	5.208037	1.91E-07	1.20E-06	909.6209	785.536	921.1483	1243.295	1375.448	1474.305
2198	SAT2	3327.172	0.648966	0.085275	7.610292	2.73E-14	3.31E-13	2612.856	2538.349	2621.516	4066.935	4113.51	4009.868
21315	LOC119621	13.14448	0.648464	0.78058	0.830747	0.406117	0.506526	9.215468	15.32753	5.565851	29.01765	10.69555	9.044815
16511	CCDC116	46.25826	0.648451	0.412135	1.573395	0.115627	0.186176	36.31979	29.56024	41.74388	42.41041	81.28621	46.22906
19395	LOC103211	26.92333	0.647892	0.579353	1.118302	0.263438	0.361082	10.29964	33.39212	18.78475	29.01765	44.92132	25.12449
3603	ELOVL5	11576.31	0.647515	0.11291	5.734768	9.76E-09	7.20E-08	8122.08	10536.58	8405.131	13843.65	14197.28	14353.12
22922	LOC119621	4.64261	0.647359	1.12406	0.575912	0.564675	0.654912	2.168345	4.379295	4.174388	6.696381	6.417332	4.019918
22392	LOC103231	6.082508	0.64721	0.981771	0.659227	0.50975	0.605203	4.336691	5.474118	4.174388	8.928508	8.556443	5.024897
7379	MSRB1	1747.761	0.647034	0.17933	3.608065	0.000308	0.001112	1631.138	945.9276	1512.52	2040.164	1967.982	2388.836
20144	COLGALT2	16.16226	0.646797	0.643966	1.004396	0.315188	0.415968	9.757555	14.23271	13.91463	11.16063	27.80844	20.09959
9764	ACADS	766.7275	0.646638	0.221972	2.913152	0.003578	0.009742	742.1162	371.1452	681.8167	957.5825	791.4709	1056.233
22635	LOC119621	6.6685	0.646267	1.045209	0.618314	0.536369	0.629969	8.673382	4.379295	2.087194	11.16063	10.69555	3.014938
21532	LOC119621	8.964182	0.646255	0.807965	0.799855	0.423795	0.523241	7.589209	7.116354	6.261582	8.928508	12.83466	11.05477
3289	LRRK2	2018.447	0.645712	0.106702	6.051557	1.43E-09	1.16E-08	1596.444	1646.067	1482.604	2243.288	2543.403	2598.877
7532	CSDC2	598.6889	0.645479	0.1819	3.548544	0.000387	0.001367	529.6184	373.3349	500.9266	756.691	590.3945	841.1678
4324	CHCHD10	1876.072	0.6454	0.125669	5.135697	2.81E-07	1.73E-06	1542.236	1322.547	1531.305	2147.306	2092.05	2620.986
4217	ZNF34	704.3765	0.64533	0.123935	5.20702	1.92E-07	1.21E-06	546.9651	543.0325	561.4552	841.5119	810.7229	922.5712
8524	LOC103231	214.5461	0.645292	0.198644	3.248477	0.00116	0.003619	146.9054	166.9606	187.1517	267.8552	280.2235	238.1801
3334	BCAR1	3318.229	0.645075	0.10736	6.008516	1.87E-09	1.49E-08	2723.442	2370.293	2675.087	4194.167	3662.157	4284.227
4146	TTI2	784.334	0.64503	0.12262	5.2604	1.44E-07	9.22E-07	622.8572	626.2391	589.2845	948.654	889.87	1029.099
4340	RAB27B	1883.136	0.644314	0.125688	5.126294	2.96E-07	1.81E-06	1310.765	1724.347	1372.678	2263.377	2342.326	2285.323
22988	TRNAE-CU	5.276763	0.643686	1.137453	0.565902	0.571461	0.660879	2.710432	2.189647	7.653045	8.928508	2.139111	8.039836
12107	IRX5	105.6741	0.643438	0.269797	2.384898	0.017084	0.037513	76.97626	99.62895	70.26887	140.624	121.9293	124.6175
2827	UBE2E1	2846.088	0.643367	0.096677	6.654821	2.84E-11	2.67E-10	2217.675	2337.996	2108.762	3308.012	3660.018	3444.065
5395	LOC103231	1383.075	0.643004	0.144018	4.464761	8.02E-06	3.95E-05	1209.395	899.3976	1134.738	1665.167	1497.377	1892.376
2584	ATP6V0E1	5715.118	0.642866	0.091758	7.006068	2.45E-12	2.52E-11	4610.445	4102.304	4676.011	6993.254	6870.823	7037.871
16538	LGI4	40.71991	0.642716	0.409749	1.568558	0.116751	0.187678	28.73058	29.01283	36.87376	58.0353	53.47777	38.18922
23409	LOC103211	4.05554	0.642703	1.291864	0.497501	0.618836	0.702796	2.168345	1.094824	6.261582	2.232127	8.556443	4.019918
16789	PCYT1B	57.49288	0.6427	0.420737	1.527559	0.126622	0.200507	33.60935	44.34036	55.65851	58.0353	109.0946	44.2191
17693	FER1L6	45.96664	0.642578	0.463594	1.386079	0.165723	0.24901	45.53526	30.65506	29.91645	60.26743	81.28621	28.13943
3513	EDEM3	5107.663	0.642521	0.109925	5.84509	5.06E-09	3.83E-08	3731.723	4516.695	3720.076	6241.027	5839.772	6596.685
19160	GPHA2	24.12819	0.642242	0.554231	1.158798	0.246539	0.342079	21.14137	13.6853	20.87194	33.4819	38.50399	17.08465
3381	MTMR10	2759.228	0.642237	0.107788	5.95832	2.55E-09	2.00E-08	2054.507	2399.853	2012.751	3209.799	3351.986	3526.473
21780	LOC119621	8.999667	0.642138	0.841806	0.76281	0.445577	0.543877	10.29964	3.831883	6.957314	11.16063	10.69555	11.05477
20316	LOC119621	16.57894	0.642007	0.658196	0.975404	0.32936	0.430992	7.589209	17.51718	13.2189	24.5534	23.53022	13.06473
4385	SCARB1	1334.665	0.64197	0.126108	5.090655	3.57E-07	2.16E-06	1135.671	948.1173	1048.467	1562.489	1495.238	1818.008
9429	SWSAP1	209.4574	0.641886	0.213877	3.001192	0.002689	0.007582	153.9525	162.5813	175.3243	296.8729	194.6591	273.3544
22074	LOC119621	9.236263	0.641498	0.899027	0.713547	0.475507	0.572681	5.96295	12.59047	2.782925	8.928508	17.11289	8.039836
2767	TRIM8	4800.455	0.641461	0.095094	6.745578	1.52E-11	1.46E-10	3624.932	3928.775	3702.682	5792.37	5471.845	6282.127
3875	ENPP5	1657.416	0.641336	0.117188	5.472715	4.43E-08	3.04E-07	1207.226	1438.051	1236.315	2002.218	2173.336	1887.351
24729	LOC119621	1.759264	0.640982	2.177236	0.294402	0.768451	0.826126	0	0	4.174388	2.232127	2.139111	2.009959
17405	LOC103241	34.0083	0.640955	0.448617	1.428735	0.15308	0.23382	27.6464	29.56024	21.56767	51.33892	42.78221	31.15436
9994	LOC103241	163.4456	0.640756	0.223806	2.862992	0.004197	0.011163	108.9594	140.6848	132.189	218.7484	203.2155	176.8764
21667	GPR1	8.960987	0.640729	0.820443	0.780956	0.434829	0.533526	7.589209	7.663765	5.565851	8.928508	14.97377	9.044815
12738	LOC103211	179.615	0.640472	0.284557	2.250769	0.0244	0.050927	174.5518	104.0082	141.9292	158.481	303.7537	194.966
5332	PPIC	996.3676	0.640317	0.142231	4.501946	6.73E-06	3.36E-05	892.2742	639.9244	804.2655	1218.741	1215.015	1207.985
2570	SDC4	5252.933	0.640184	0.091162	7.022485	2.18E-12	2.25E-11	3968.614	4155.403	4200.13	6312.455	6045.127	6835.87
22705	LOC103221	6.391923	0.640141	1.052712	0.608088	0.543129	0.635943	1.626259	8.211177	4.87012	8.928508	10.69555	4.019918
23669	LOC119611	2.909485	0.639687	1.393003	0.459214	0.64608	0.725677	3.252518	2.189647	1.391463	4.464254	2.139111	4.019918
20158	LOC119611	15.11759	0.639683	0.638451	1.00193	0.316377	0.417234	10.29964	10.94824	14.61036	15.62489	17.11289	22.10955
3219	RNF103	1630.503	0.639627	0.104168	6.140343	8.23E-10	6.80E-09	1245.714	1370.719	1209.181	1937.486	1980.816	2039.103
3424	LRRRC8D	3978.474	0.639509	0.108005	5.921081	3.20E-09	2.48E-08	2913.714	3531.901	2887.285	4723.181	4879.311	4935.454
2766	PHKB	3746.67	0.639478	0.094779	6.74703	1.51E-11	1.45E-10	2871.431	3118.058	2802.406	4522.289	4368.064	4797.772
12307	LOC119621	125.0401											



7591	LOC119620	259.5605	0.638301	0.180876	3.528936	0.000417	0.001461	210.3295	211.301	188.5432	274.5516	337.9795	334.6582
3989	GRAMD1B	809.2581	0.637299	0.118419	5.381718	7.38E-08	4.92E-07	659.7191	621.8598	619.8967	924.1006	1013.938	1016.034
6273	HDHD3	474.1947	0.636915	0.157604	4.041223	5.32E-05	0.000225	351.272	356.9125	408.3943	600.4422	491.9955	636.152
5017	GRAMD4	1952.699	0.63688	0.136127	4.678572	2.89E-06	1.53E-05	1665.831	1343.896	1580.702	2408.465	2012.903	2704.4
3522	IPO13	2132.188	0.63684	0.109094	5.837553	5.30E-09	4.00E-08	1703.235	1640.593	1669.06	2566.946	2338.048	2875.246
22443	LOC119620	6.662404	0.636751	0.979494	0.650082	0.515639	0.610804	4.878777	7.663765	2.782925	8.928508	10.69555	5.024897
17296	LOC103224	37.54763	0.636744	0.439429	1.449025	0.147331	0.226456	29.81475	27.918	29.22072	53.57105	65.61688	29.1444
16537	NDUF57	714.3977	0.636656	0.405865	1.568638	0.116732	0.18766	690.618	286.2964	701.2972	917.4042	772.219	918.5512
7370	LOC103217	269.8931	0.636596	0.176369	3.609459	0.000307	0.001107	196.2353	235.3871	203.1536	314.7299	325.1448	344.708
10204	LOC119620	201.3325	0.636283	0.225979	2.815671	0.004868	0.012682	147.9896	191.0467	132.189	229.9091	288.7799	218.0805
14452	LOC119620	123.5661	0.636146	0.328921	1.934037	0.053109	0.097695	119.8011	70.06871	98.09812	165.1774	196.7982	91.45313
9759	SERTAD1	888.2102	0.636029	0.218265	2.914019	0.003568	0.00972	860.2911	414.9382	811.9185	1102.671	1046.025	1093.418
22959	LOC119620	6.153013	0.635948	1.116145	0.569772	0.568832	0.658645	6.505036	3.284471	4.174388	13.39276	8.556443	1.004979
12173	LOC119620	109.4703	0.635872	0.26815	2.371326	0.017724	0.038711	101.9122	80.46954	73.74753	154.0168	124.0684	122.6075
14172	LOC103240	65.85642	0.635642	0.320699	1.98205	0.047474	0.089068	49.32986	50.9093	53.57132	95.98146	77.00798	68.3386
19217	LOC103230	25.44066	0.635616	0.552159	1.151148	0.249672	0.34538	23.8518	11.49565	24.3506	42.41041	21.39111	29.1444
2380	ARMC8	3066.118	0.635579	0.087035	7.302561	2.82E-13	3.15E-12	2452.941	2398.211	2354.355	3741.045	3649.323	3800.832
3711	FUT11	1657.289	0.635386	0.112795	5.633124	1.77E-08	1.27E-07	1288.539	1354.844	1255.099	2037.932	1805.409	2201.91
18783	GRAMD2A	36.76758	0.635365	0.520625	1.220389	0.222317	0.314663	33.60935	14.78012	38.26523	24.5534	64.17332	45.22408
3200	DENND4C	6547.947	0.635348	0.103126	6.160916	7.23E-10	6.01E-09	4865.225	5728.665	4795.676	7761.106	7724.329	8412.683
11246	TMEM1850	171.8587	0.635035	0.246979	2.571206	0.010134	0.023957	173.4676	105.1031	125.9274	187.4987	216.0502	223.1054
3260	KPNA4	8331.508	0.634978	0.104317	6.086976	1.15E-09	9.38E-09	6129.371	7409.219	6043.123	10037.88	9996.064	10373.4
4149	ZNF438	971.2143	0.634728	0.120715	5.258063	1.46E-07	9.33E-07	718.8065	822.2125	738.8667	1185.259	1255.658	1106.482
18436	LOC119620	28.26325	0.634057	0.503642	1.258943	0.208051	0.300013	26.02015	14.23271	25.74206	37.94616	38.50399	27.13445
22691	LOC103240	6.14797	0.633687	1.039541	0.609584	0.542138	0.63522	3.252518	7.116354	4.174388	11.16063	2.139111	9.044815
23727	TRNAV-CA	2.893095	0.633264	1.40899	0.449446	0.65311	0.731741	3.794605	1.642235	1.391463	2.232127	4.278221	4.019918
23857	LOC119620	2.620838	0.632705	1.474719	0.429034	0.667898	0.74423	1.626259	1.094824	3.478657	2.232127	4.278221	3.014938
21256	LOC119620	12.77735	0.63256	0.751755	0.841443	0.4001	0.500407	14.09425	4.379295	11.82743	11.16063	17.11289	18.08963
4653	FBXO33	654.5991	0.632355	0.128642	4.915636	8.85E-07	5.06E-06	526.908	524.9679	489.0992	729.9055	840.6705	816.0433
19631	LOC103220	20.37698	0.63233	0.585482	1.080016	0.280135	0.379369	14.63633	12.59047	20.17621	24.5534	34.22577	16.07967
2326	LOC103240	5601.729	0.632249	0.085739	7.3741	1.65E-13	1.89E-12	4359.459	4575.268	4248.136	6792.362	6601.296	7033.851
9532	NCAM2	360.7126	0.632192	0.212401	2.976412	0.002916	0.008134	250.986	376.0719	220.5468	475.443	417.1266	424.1013
15396	LOC103220	58.44105	0.632111	0.359087	1.760329	0.078352	0.135294	41.19856	51.45671	43.83108	95.98146	59.8951	58.28881
21832	LOC119620	8.709888	0.631958	0.837104	0.754934	0.050289	0.54832	4.878777	9.306001	6.261582	8.928508	10.84677	10.04979
2572	STK35	5004.225	0.631818	0.089972	7.022414	2.18E-12	2.25E-11	3906.816	4051.942	3822.348	6035.671	5760.625	6447.948
12763	LOC103220	97.54648	0.631715	0.281037	2.247803	0.024589	0.051214	80.77087	73.35318	74.44326	151.7846	98.39909	106.5278
18219	LOC103230	26.81879	0.631217	0.486093	1.298552	0.194098	0.283225	21.14137	21.89647	19.48048	40.17829	32.08666	26.12947
2406	ITGAV	13550.45	0.6312	0.086889	7.26441	3.75E-13	4.14E-12	10558.22	11205.52	10137.5	16171.76	15929.96	17299.72
3536	RRAGC	1206.081	0.631032	0.108432	5.819635	5.90E-09	4.43E-08	942.1461	967.2767	933.6715	1412.936	1409.674	1570.783
19438	LOC103210	20.44782	0.630654	0.567232	1.11181	0.26622	0.364104	11.38381	19.15941	17.39328	31.24978	21.39111	22.10955
2463	CRIP2	4864.927	0.630358	0.087797	7.17971	6.99E-13	7.54E-12	3751.238	3800.133	3907.227	6087.01	5563.827	6080.126
8520	LOC119610	190.7775	0.630271	0.19383	3.251676	0.001147	0.00358	156.663	141.2322	150.9737	234.3733	235.3022	226.1204
3065	TNFRSF1A	5495.314	0.630256	0.099806	6.314809	2.70E-10	2.35E-09	4175.149	4633.294	4137.514	6533.436	6252.62	7239.872
17877	LOC103230	32.52459	0.630239	0.461867	1.364546	0.172396	0.256371	28.18849	30.65506	18.08902	33.4819	38.50399	46.22906
12721	LOC119620	89.96982	0.630178	0.279678	2.253228	0.024245	0.050668	73.72375	78.27989	59.13717	116.0706	109.0946	103.5129
27792	LOC119620	0.606924	0.630078	3.346189	0.188297	0.850644	NA	1.084173	0.547412	0	0	0	2.009959
18918	LOC103220	24.2703	0.629757	0.524653	1.200332	0.23001	0.323228	14.09425	21.34906	21.56767	37.94616	23.53022	27.13445
23770	LOC103210	4.094875	0.629111	1.423668	0.441895	0.658565	0.736557	2.710432	0	6.957314	4.464254	6.417332	4.019918
16107	LOC103240	46.7312	0.628946	0.382516	1.644233	0.100128	0.165264	36.31979	31.20247	43.13534	62.49956	44.92132	62.30873
18362	LOC103240	32.55704	0.628833	0.49443	1.271834	0.203432	0.294535	28.18849	19.70683	27.82925	60.26743	34.22577	25.12449
17842	LOC103240	32.26916	0.628787	0.459067	1.369707	0.170778	0.254464	30.35684	24.08612	20.87194	37.94616	49.19955	31.15436
21387	LOC103220	9.891586	0.628582	0.76839	0.81805	0.413329	0.513786	8.673382	7.663765	6.957314	11.16063	12.83466	12.05975
24607	TRNAA-UG	1.470475	0.628338	1.993989	0.315116	0.752674	0.813176	0.542086	1.642235	1.391463	2.232127	0	3.014938
9115	ZC3H12B	177.044	0.628188	0.20401	3.079203	0.002076	0.006054	130.6428	150.5382	135.6676	205.3557	231.024	209.0357
6073	KIAA1217	1146.483	0.627953	0.151865	4.134931	3.55E-05	0.000155	797.409	1098.656	808.4399	1252.223	1409.674	1512.494
3479	FHL2	2344.052	0.627916	0.106816	5.78478	4.14E-09	3.16E-08	1970.484	1710.662	1848.558	2810.248	2663.193	3061.167
6432	LOC103240	346.105	0.627907	0.158264	3.967457	7.26E-05	0.0003	275.3799	291.7705	249.0718	424.1041	402.1528	434.1511
7949	ZC4H2	270.5166	0.627625	0.183268	3.424628	0.000616	0.002059	188.104	244.1457	205.9365	310.2657	337.9795	336.6681
17167	PRLR	48.40136	0.627559	0.426204	1.472438	0.140903	0.218203	33.06727	42.69812	36.87376	58.0353	85.56443	34.1693
2808	CNPPD1	2603.971	0.6275	0.093858	6.685596	2.30E-11	2.18E-10	2015.477	2058.816	2069.801	3058.014	3061.067	3360.651
18603	LOC103230	46.85733	0.62745	0.507946	1.235268	0.216731	0.309724	49.32986	13.13788	48.7012	53.57105	47.06043	69.34358
10960	TPTE2	140.5829	0.627283	0.237884	6.236927	0.008366	0.020293	103.5385	96.89189	132.189	167.4095	162.5724	180.8963
2261	DERL1	7221.593	0.627263	0.083693	7.494841	6.64E-14	7.80E-13	5824.718	5571.01	5636.12	8633.867	8494.408	9169.433
10154	RIPOR3	348.6134	0.627144	0.222045	2.824408	0.004737	0.012402	312.7838	214.038	298.4688	426.3363	314.4493	525.6043
20476	LOC103240	14.3458	0.626941	0.659686	0.950363	0.341928	0.44392	11.38381	10.40082	11.82743	24.5534	12.83466	15.07469
3931	HADH	3314.83	0.626747	0.115672	5.418322	6.02E-08	4.07E-07	2813.97	2346.754	2662.564	3906.222	3679.27	4480.198
21556	CN3	10.5703	0.626316	0.786879	0.795949	0.426061	0.525461	6.505036	9.306001	9.04508	20.08914	6.417332	12.05975
4015	UBE2L6	1538.077	0.626246	0.11686	5.358958	8.37E-08	5.54E-07	1119.95	1358.129	1150.74	1910.701	1775.462	1913.481
22164	LOC119620	8.22794	0.626168	0.897543	0.697647	0.485398	0.58222	5.96295	7.663765	5.565851	17.85702	4.278221	8.039836
13086	GALNT9	91.35763	0.626096	0.285883	2.190041	0.028521</							



16155	LOC103211	48.89874	0.624703	0.381858	1.635954	0.101849	0.167605	35.23561	48.71965	32.00364	51.33892	57.75599	68.3386
20466	SPDYC	16.53434	0.624572	0.65643	0.951467	0.341367	0.443431	13.01007	13.6853	11.82743	13.39276	34.22577	13.06473
4956	KAT6A	3908.579	0.62456	0.132583	4.710702	2.47E-06	1.32E-05	2758.135	3727.327	2742.573	4732.109	4449.35	5041.982
21104	LOC119621	14.53553	0.624484	0.722311	0.864565	0.387278	0.487859	15.7205	4.926706	13.91463	11.16063	21.39111	20.09959
17816	LOC119621	44.00532	0.623829	0.45394	1.374255	0.169363	0.252723	45.53526	30.10765	29.22072	26.78552	62.03421	70.34856
5304	HPS6	921.4392	0.623417	0.138076	4.515028	6.33E-06	3.17E-05	816.9242	638.8296	723.5606	1020.082	1110.198	1219.04
24190	EVA1C	2.346664	0.623127	1.658021	0.375825	0.707047	0.777018	2.710432	2.189647	0.695731	4.464254	0	0.019918
5777	TECPR1	1183.825	0.623091	0.14539	4.285646	1.82E-05	8.39E-05	1031.59	790.4627	978.1983	1439.722	1244.962	1618.017
15492	CCDC189	54.66939	0.622806	0.356664	1.746197	0.080777	0.138617	47.7036	42.15071	38.26523	82.5887	62.03421	55.27387
4151	TCAF1	6807.72	0.622518	0.118427	5.256575	1.47E-07	9.40E-07	4970.932	6241.042	4874.99	7973.158	7856.953	8929.243
3355	AACS	3664.395	0.621975	0.103897	5.986478	2.14E-09	1.70E-08	3059.535	2767.167	2838.584	4305.773	4122.066	4893.245
16640	LOC103211	45.84524	0.621758	0.400942	1.550744	0.120963	0.193257	38.48813	27.37059	41.74388	55.80317	68.45154	43.21412
3886	AP5B1	1308.797	0.621657	0.113902	5.4578	4.82E-08	3.30E-07	1104.23	986.4361	1006.028	1573.65	1475.986	1706.455
4497	PPP1R37	1901.68	0.62142	0.123995	5.011661	5.40E-07	3.19E-06	1602.407	1361.961	1536.175	2252.216	2051.407	2605.912
21918	LOC103241	9.327486	0.621325	0.837892	0.741534	0.45837	0.555971	4.878777	6.568942	10.43597	8.928508	17.11289	8.039836
3566	ZNF623	2573.628	0.620991	0.107285	5.788218	7.11E-09	5.30E-08	1959.1	2231.798	1896.564	2999.979	3026.842	3327.487
3135	LAMP1	5898.462	0.620968	0.099525	6.239323	4.39E-10	3.73E-09	4468.418	5019.219	4461.725	7035.664	6697.555	7708.193
14017	LOC103231	81.78688	0.620957	0.30891	2.010158	0.044414	0.084238	62.88202	62.95236	66.09448	131.6955	87.70354	79.39338
11679	LOC119621	248.9138	0.620759	0.250722	2.475892	0.01329	0.030253	234.7234	176.2666	173.9328	323.6584	382.9008	202.0009
5703	ZFP3	1250.246	0.620744	0.143503	4.325654	1.52E-05	7.09E-05	831.5605	1189.526	935.063	1482.132	1531.603	1531.589
20399	LOC103221	15.22587	0.620509	0.645274	0.961621	0.33624	0.438205	14.09425	12.04306	9.740239	24.5534	12.83466	18.08963
21520	LOC119621	13.58568	0.620336	0.774124	0.801339	0.422935	0.522478	10.84173	5.474118	15.30609	29.01765	12.83466	8.039836
3681	PRR13	3321.554	0.619807	0.109359	5.667612	1.45E-08	1.05E-07	2450.23	2922.084	2486.544	4078.096	3741.305	4251.063
16742	SERPINC1	51.61814	0.619514	0.403663	1.53473	0.12485	0.198252	56.37698	35.58177	29.22072	60.26743	77.00798	51.25395
8426	OTUD1	377.7916	0.618786	0.188951	3.274846	0.001057	0.003335	353.4403	260.568	283.1627	415.1756	410.7092	543.6939
16413	DNAH6	47.58393	0.618744	0.389953	1.586711	0.112578	0.182349	37.94605	39.96106	33.39511	60.26743	72.72976	41.20416
4899	MGAT4A	727.3286	0.618397	0.130381	4.743019	2.11E-06	1.14E-05	618.5205	513.4723	589.2845	910.7078	855.6443	876.3421
20658	LOC119621	14.67031	0.618386	0.666663	0.927584	0.353623	0.455081	9.757555	8.758589	16.00182	22.32127	17.11289	14.06971
4585	PPP2R5B	1034.313	0.618112	0.124846	4.951	7.38E-07	4.28E-06	852.7019	747.7645	852.2709	1205.349	1167.954	1379.837
12198	NRXN2	146.3867	0.617958	0.261101	2.366738	0.017946	0.039112	101.3702	136.853	105.7512	194.195	207.4937	132.6573
3927	DEDD2	1189.741	0.617711	0.113888	5.423865	5.83E-08	3.95E-07	945.9407	993.005	879.4045	1466.507	1339.083	1514.504
8888	ZNF517	348.4663	0.617383	0.196174	3.147128	0.001649	0.004931	314.9522	211.8484	300.556	401.7829	389.3181	472.3404
19532	LOC119621	41.70088	0.617294	0.563594	1.095281	0.273394	0.372115	41.19856	8.758589	48.7012	60.26743	47.06043	44.2191
17199	LOC103221	41.20538	0.617241	0.420513	1.467828	0.142151	0.219732	29.27266	41.6033	25.74206	55.80317	55.61688	39.1942
3871	DRAM1	1747.476	0.617175	0.112702	5.476171	4.35E-08	2.98E-07	1365.516	1472.538	1303.105	1904.004	2175.476	2264.219
15775	KLLN	49.10332	0.617165	0.361812	1.705764	0.088052	0.148391	39.03022	38.86624	37.56949	64.73168	64.17332	50.24897
22060	ZNF843	8.824343	0.617094	0.863022	0.715038	0.474585	0.571934	8.673382	3.831883	8.348776	15.62489	6.417332	10.04979
16694	JAK3	48.84196	0.616966	0.399743	1.543408	0.122732	0.195449	38.48813	26.82318	50.09266	55.80317	70.59065	51.25395
10254	LOC103241	342.1763	0.61684	0.220259	2.800521	0.005102	0.013228	237.4338	365.6711	206.6322	390.6222	440.6568	412.0416
4295	SLC2A13	952.9214	0.616789	0.11957	5.158392	2.49E-07	1.54E-06	716.0961	814.0014	729.1265	1095.974	1142.285	1220.045
10630	EFNA2	142.7288	0.616646	0.227419	2.7115	0.006698	0.016751	99.20181	122.6202	116.8829	176.338	160.4333	180.8963
16649	LOC119621	48.91675	0.616425	0.398051	1.548609	0.121476	0.193971	47.7036	30.10765	36.87376	71.42806	64.17332	43.21412
14471	PRXL2B	106.4236	0.616187	0.319252	1.930096	0.053595	0.09846	101.9122	53.09895	98.09812	102.6778	139.0422	143.7121
19784	CARD14	44.50807	0.616186	0.583554	1.055919	0.291005	0.391042	33.60935	15.87494	54.96278	55.80317	87.70354	19.09461
4393	LOC103241	959.264	0.615977	0.121178	5.083252	3.71E-07	2.25E-06	717.7224	793.1997	765.3045	1055.796	1174.372	1249.189
6207	MTERF2	402.2884	0.615849	0.151319	4.069885	4.70E-05	0.000201	305.7367	350.3436	296.3816	493.3001	485.5781	482.3901
3347	WDR7	3004.661	0.615658	0.102661	5.997025	2.01E-09	1.60E-08	2323.382	2601.848	2195.728	3542.386	3580.871	3783.748
14971	LOC119621	81.96949	0.615414	0.334526	1.83966	0.065818	0.116878	69.92914	49.81448	74.44326	131.6955	68.45154	97.48301
6713	WDR53	374.464	0.615315	0.159801	3.85051	0.000118	0.000467	272.6694	335.016	279.684	448.6575	453.4915	457.2657
6197	XYLB	497.1165	0.615187	0.150946	4.075535	4.59E-05	0.000197	386.5076	442.8562	347.17	636.1562	586.1163	583.8931
15431	CCDC154	54.22056	0.615171	0.350461	1.755321	0.079204	0.136459	43.909	38.31883	46.614	73.66019	53.47777	69.34358
27923	LOC119621	0.608699	0.615043	3.784085	0.162534	0.870885	NA	0	1.642235	0	0	0	2.009959
3019	TNFRSF10E	4912.297	0.614529	0.096195	6.388387	1.68E-10	1.48E-09	4038.001	3819.292	3793.127	5828.084	5540.297	6454.983
11359	LOC103231	147.9337	0.6143	0.241252	2.546306	0.010887	0.02548	124.6799	126.4521	98.79385	151.7846	216.0502	169.8415
2931	EAF1	2300.839	0.61399	0.094323	6.509429	7.54E-11	6.84E-10	1815.989	1838.209	1805.423	2683.017	2718.81	2943.585
5911	ZNF710	581.3334	0.613827	0.13392	4.583537	4.57E-06	2.34E-05	454.2684	455.4466	470.3144	743.2983	631.0376	733.635
24486	LOC119611	1.734342	0.613792	1.842801	0.333076	0.739077	0.802433	1.084173	1.642235	1.391463	0	4.278221	2.009959
16862	LOC119621	39.7566	0.613233	0.405314	1.512982	0.130284	0.205417	32.52518	26.27577	35.4823	42.41041	55.61688	46.22906
20616	CAMKV	18.55814	0.61319	0.656517	0.934005	0.350301	0.451725	11.9259	13.13788	18.08902	33.4819	25.66933	9.044815
8197	APOBEC3C	795.306	0.613028	0.183117	3.34774	0.000815	0.002642	522.0292	836.9927	526.6686	964.2789	971.1562	950.7106
5536	SLC27A4	1160.744	0.612594	0.13932	4.397038	1.10E-05	5.27E-05	1025.085	758.7128	972.6325	1370.526	1339.083	1498.424
4562	TONSL	2169.036	0.612547	0.123373	4.965016	6.87E-07	4.00E-06	1831.168	1484.581	1834.644	2600.428	2402.221	2861.177
24533	TRNAQ-CU	1.735229	0.612155	1.881628	0.325333	0.744929	0.807237	0.542086	2.189647	1.391463	0	4.278221	2.009959
7845	AP521	1662.159	0.61202	0.177181	3.454212	0.000552	0.00187	1545.488	939.3587	1463.123	1888.379	1816.105	2320.498
18736	LOC119611	27.17061	0.612008	0.499047	1.226355	0.220065	0.312256	25.47806	17.51718	20.87194	31.24978	42.78221	25.12449
5514	SYNGAP1	514.1145	0.611957	0.138918	4.405153	1.06E-05	5.10E-05	384.8813	416.5804	417.4388	593.7458	678.0981	593.9429
11219	LOC119621	274.9226	0.611875	0.237433	2.577038	0.009965	0.023614	255.8648	171.3399	221.9383	372.7652	391.4573	236.1702
5966	RUFY2	877	0.61184	0.146362	4.180311	2.91E-05	0.00013	633.699	834.803	612.2436	1060.26	1056.721	1064.273
14760	LOC103221	67.63798	0.61176	0.325423	1.879887	0.060123	0.108291	56.91907	44.88777	57.7457	84.82083	94.12087	67.33362
5235	ERO1A	5643.586	0.611644	0.134091	4.561418	5.08E-06	2.58E-05	3947.473	5512.984	3933.665	691		



5450	AGPAT4	510.7332	0.610763	0.13756	4.439981	9.00E-06	4.39E-05	407.6489	398.5158	408.3943	636.1562	560.447	653.2367
6146	CYSTM1	1472.66	0.610473	0.14892	4.099339	4.14E-05	0.000179	1279.866	911.4407	1307.279	1852.665	1638.559	1846.147
19566	LOC119623	20.2575	0.610297	0.560262	1.089305	0.276019	0.375037	13.01007	14.23271	20.87194	26.78552	23.53022	23.11453
5712	TRAPPC9	860.6276	0.609995	0.141227	4.319257	1.57E-05	7.29E-05	755.1263	632.2606	660.9448	1004.457	924.0958	1186.881
3754	RUBCN	2181.234	0.609906	0.109087	5.59098	2.26E-08	1.60E-07	1688.599	1827.808	1669.755	2531.232	2453.56	2916.45
12594	LOC103223	143.9112	0.60985	0.266849	2.285379	0.002291	0.047054	92.69677	145.0641	102.2725	207.5878	171.1289	144.717
7519	ORAI1	553.8105	0.609843	0.171655	3.552721	0.000381	0.001348	499.2615	351.9858	465.4443	720.977	579.699	705.4956
18036	RAC2	30.1449	0.609485	0.455913	1.336845	0.181273	0.267188	23.30971	21.34906	27.13352	31.24978	40.6431	37.18424
23094	LOC119623	6.133	0.609415	1.116379	0.545886	0.585145	0.673598	5.420864	3.831883	4.87012	6.696381	14.97377	1.004979
5060	KCTD11	644.0016	0.609393	0.13089	4.655755	3.23E-06	1.70E-05	527.45	511.83	493.9693	725.4413	755.1061	850.2126
21134	KCNE3	13.17526	0.609352	0.708316	0.860282	0.389633	0.49013	8.131296	11.49565	11.1317	17.85702	21.39111	9.044815
4675	EPB41L4B	3638.095	0.609325	0.124312	4.901595	9.51E-07	5.41E-06	2653.513	3426.251	2563.77	4390.594	4258.969	4535.472
16432	LOC103233	47.48553	0.609102	0.384555	1.583915	0.113213	0.183165	41.19856	35.58177	34.78657	66.96381	64.17332	42.20914
10202	LOC119624	167.1909	0.608975	0.216284	2.815631	0.004868	0.012682	146.9054	119.8832	130.1018	225.4448	181.8244	198.9859
8127	TMEM102	326.5165	0.608951	0.180638	3.371117	0.000749	0.002449	281.3428	225.5337	272.031	374.9973	352.9533	452.2408
22493	LOC119615	7.000075	0.608906	0.951587	0.639884	0.522248	0.617257	7.589209	3.284471	5.565851	6.696381	12.83466	6.029877
4090	LOC103226	922.1372	0.608885	0.114791	5.304272	1.13E-07	7.35E-07	725.8536	760.355	706.8631	1120.528	1052.442	1166.781
3828	PECR	1844.829	0.608753	0.110354	5.51638	3.46E-08	2.40E-07	1564.461	1306.672	1513.216	2296.859	2147.667	2240.099
6318	PLEKHG4	4450.588	0.608722	0.151518	4.017493	5.88E-05	0.000248	4014.692	2767.714	3798.693	5109.339	4735.991	6277.102
17917	LOC119626	36.09186	0.608664	0.448268	1.357813	0.174523	0.258941	27.6464	21.34906	36.17803	46.87467	51.33866	33.16432
3114	DNASE1L1	4404.44	0.608625	0.097162	6.26403	3.75E-10	3.20E-09	3673.719	3345.781	3452.219	5267.82	4962.737	5724.363
19557	LOC103245	19.61189	0.60841	0.558364	1.089631	0.275876	0.375015	14.09425	17.51718	15.30609	20.08914	23.53022	27.13445
14898	VMAC	120.324	0.608177	0.327813	1.855255	0.06356	0.113435	129.5586	58.02565	99.48959	151.7846	111.2338	171.8515
5009	TMEM1203	914.9303	0.607947	0.129802	4.683642	2.82E-06	1.50E-05	782.2306	682.6225	714.5161	1033.475	1039.608	1237.13
3577	ANXA6	4124.247	0.607825	0.105221	5.776673	7.62E-09	5.66E-08	3214.03	3468.949	3127.313	4741.038	4654.705	5539.447
6739	CUNHAorf	409.389	0.607633	0.158169	3.841677	0.000122	0.000482	287.8479	362.934	321.4279	488.8358	521.943	473.3453
3694	TPM2	3761.449	0.607617	0.1076	5.647005	1.63E-08	1.18E-07	2736.452	3301.441	2907.461	4589.253	4233.3	4800.787
21175	LOC119626	13.23441	0.607183	0.710476	0.854615	0.392765	0.493112	10.84173	10.94824	9.044508	24.5534	14.97377	9.044815
11130	ATP8B3	128.5062	0.60713	0.23381	2.596682	0.009413	0.022484	100.286	95.24966	109.2298	167.4095	156.1551	142.7071
5287	CLSTN2	663.3063	0.607054	0.134124	4.52607	6.01E-06	3.02E-05	559.9752	515.1145	505.7967	747.7625	765.8016	885.3869
3421	SERPINE1	41584.28	0.606726	0.102435	5.923036	3.16E-09	2.46E-08	32106.69	35355.14	31444.97	48463.94	46138.48	55996.45
5425	FEM1C	1613.632	0.606568	0.136354	4.448484	8.65E-06	4.24E-05	1153.56	1517.973	1168.829	1917.397	1807.549	2116.487
4319	SREBF1	7184.147	0.606466	0.117946	5.14191	2.72E-07	1.67E-06	5925.546	5168.115	6001.379	8435.208	7649.46	9925.177
4836	PMM1	1186.035	0.606459	0.126561	4.791827	1.65E-06	9.09E-06	974.6713	847.3935	1003.94	1377.222	1324.11	1588.873
22775	LOC119615	6.145209	0.606291	0.1016335	0.596547	0.55081	0.642926	5.96295	4.926706	4.174388	4.464254	4.278221	13.06473
13377	LOC103245	134.2304	0.606222	0.284417	2.131458	0.033051	0.065685	140.4004	71.71095	107.1426	158.481	166.8506	160.7967
8909	ZNFS47	253.2719	0.605987	0.192869	3.141954	0.001678	0.005008	227.6763	167.508	206.6322	325.8905	299.4755	292.449
19348	MOV10L1	27.65395	0.605906	0.537422	1.127431	0.25956	0.356647	21.14137	19.15941	24.3506	42.41041	42.78221	16.07967
7995	ZC2HC1C	292.3754	0.605797	0.17746	3.413701	0.000641	0.002131	238.518	250.1672	206.6322	314.7299	391.4573	352.7478
19964	LOC103215	20.44486	0.605712	0.58478	1.535795	0.300298	0.399891	15.7205	16.96977	15.30609	20.08914	38.50399	16.07967
11417	LOC119624	152.1784	0.605661	0.239176	2.532285	0.011332	0.026386	126.3061	97.4393	137.7548	174.1059	209.6328	167.8316
3361	ESYT1	7327.824	0.605491	0.101309	5.976674	2.28E-09	1.80E-08	5917.957	5717.716	5808.661	8522.261	8092.256	9908.093
25158	LOC119615	1.192361	0.605472	2.744711	0.220596	0.825407	0.872272	0	0	2.782925	2.232127	2.139111	0
6542	LOC119615	1474.921	0.605111	0.154227	3.923507	8.73E-05	0.000355	1213.189	996.2895	1306.584	1709.809	1493.099	2130.556
2789	NDUFA5	2625.737	0.605074	0.090077	6.717301	1.85E-11	1.76E-10	2017.103	2133.811	2096.239	3218.727	3202.249	3086.292
18895	LOC119615	28.56351	0.60506	0.502105	1.205046	0.228185	0.321094	25.47806	19.15941	23.65487	44.64254	19.252	39.1942
5666	PLEKHA4	608.6908	0.604911	0.139379	4.340042	1.42E-05	6.68E-05	439.632	541.9377	468.2272	714.2806	727.2976	760.7695
2984	GALNT11	2917.092	0.604881	0.093841	6.445798	1.15E-10	1.02E-09	2325.008	2358.798	2263.91	3415.154	3384.073	3755.608
4777	TBCC	604.8222	0.604613	0.125304	4.825189	1.40E-06	7.78E-06	480.2885	473.5112	485.6205	761.1553	703.7674	724.5902
13673	BICRA	78.98783	0.604512	0.291476	2.073966	0.038082	0.074045	55.8349	67.87906	64.00729	104.91	89.84265	91.45313
6696	LOC119623	392.0828	0.603745	0.156472	3.858496	0.000114	0.000453	336.6356	288.486	310.9919	444.1933	455.6306	516.5594
19629	CUNH19orf	22.69992	0.603395	0.558413	1.080554	0.279895	0.379083	19.51511	11.49565	22.95914	35.71403	21.39111	25.12449
12633	ZNFS385A	166.5177	0.603371	0.265295	2.274336	0.022946	0.048283	92.15468	175.1718	128.7103	212.0521	201.0764	189.9411
3534	UBL3	2139.61	0.603179	0.103591	5.822692	5.79E-09	4.36E-08	1744.434	1746.244	1609.227	2566.946	2400.082	2770.728
23529	LOC103233	6.498696	0.603139	1.260089	0.478648	0.632189	0.714299	8.131296	5.474118	1.391463	11.16063	12.83466	0
21373	LOC103244	15.3638	0.603008	0.734515	0.820961	0.411668	0.512057	8.131296	20.25424	7.653045	31.24978	12.83466	12.05975
23975	LOC119623	3.238956	0.602717	1.467072	0.41083	0.681197	0.755355	0.542086	1.094824	6.261582	2.232127	4.278221	5.024897
3404	LPCAT1	1862.818	0.60265	0.101413	5.942535	2.81E-09	2.19E-08	1517.3	1516.331	1407.465	2205.341	2147.667	2382.806
10675	S1PR2	144.4358	0.602633	0.223345	2.698217	0.006971	0.017361	106.2489	122.6202	116.1871	176.338	158.2942	186.9262
3324	ARHGAP1	7762.712	0.602112	0.100012	6.020387	1.74E-09	1.39E-08	6186.29	6226.262	6092.52	9069.132	8554.304	10447.77
22033	PPP1R36	9.728637	0.602001	0.836156	0.719963	0.471548	0.568969	7.589209	6.02153	9.044508	17.85702	12.83466	5.024897
20410	RASL10A	17.2808	0.60176	0.62697	0.959791	0.337161	0.439168	15.7205	10.94824	13.91463	20.08914	29.94755	13.06473
4927	SLC25A44	1503.294	0.601488	0.12719	4.729034	2.26E-06	1.22E-05	1151.391	1378.93	1054.033	1758.916	1769.045	1907.451
5445	UTP23	1711.239	0.601392	0.135389	4.441953	8.91E-06	4.35E-05	1196.385	1628.55	1251.621	2122.753	2113.441	1954.685
23806	PP2D1	4.121951	0.601382	1.380649	0.43558	0.663142	0.740554	2.168345	3.831883	3.478657	6.696381	8.556443	0
21537	SOX9	10.84851	0.601364	0.752313	0.799353	0.424086	0.523486	7.589209	8.211177	9.740239	13.39276	17.11289	9.044815
25266	LOC119623	0.866543	0.601326	2.946718	0.204066	0.383302	0.882065	0.542086	1.642235	0	0	0	3.014938
11460	LOC103245	225.7537	0.601309	0.238169	2.524711	0.011579	0.026862	214.6662	122.0728	201.7621	267.8552	273.8062	274.3594
14436	FRAT1	74.9636	0.601296	0.310375	1.937323	0.052706	0.097062	60.71367	60.2153	57.04997	75.89232	115.512	80.39836
23359	LOC119615	4.11195	0.600615	1.189389	0.5								



2730	STMP1	2925.999	0.599573	0.0881	6.805581	1.01E-11	9.80E-11	2258.332	2390	2330.004	3564.707	3548.785	3464.164
23642	LOC119623	3.816974	0.59941	1.295533	0.462675	0.643598	0.723714	2.168345	3.831883	2.782925	6.696381	6.417332	1.004979
4549	CACNB3	1517.474	0.599143	0.120429	4.975078	6.52E-07	3.81E-06	1273.903	1058.694	1291.277	1805.791	1730.541	1944.635
6430	LOC119620	448.0734	0.59903	0.150958	3.968187	7.24E-05	0.000299	332.2989	378.2616	357.6059	602.6743	491.9955	525.6043
11332	CUNH2orf1	144.8511	0.598994	0.234827	2.550782	0.010748	0.025215	100.8281	126.9995	118.2743	147.3204	196.7982	178.8863
7951	LOC103231	347.1884	0.598851	0.17488	3.424342	0.000616	0.002061	242.8547	326.8049	258.1163	419.6399	425.683	410.0316
18525	CUNH2orf1	26.16839	0.598622	0.480091	1.246893	0.212437	0.304865	20.0572	20.80165	21.56767	33.4819	29.94755	31.15436
19667	LOC119621	20.62066	0.598524	0.556666	1.075194	0.282288	0.381565	12.46799	16.42235	20.17621	29.01765	23.53022	22.10955
5701	SYNPO	1904.846	0.598455	0.138313	4.3268	1.51E-05	7.06E-05	1328.112	1849.705	1367.808	2330.341	2239.649	2313.463
18504	LOC103215	27.95427	0.598267	0.478117	1.2513	0.210825	0.302896	21.68345	23.53871	20.87194	42.41041	32.08666	27.13445
21698	UBAP1L	12.64981	0.598095	0.769071	0.777685	0.436755	0.535099	13.01007	5.474118	11.1317	17.85702	21.39111	7.034856
17446	FOSB	39.13313	0.598057	0.421442	1.419071	0.155878	0.237521	23.30971	36.12918	33.39511	53.57105	49.19955	39.1942
24849	LOC119615	1.185248	0.598009	2.184986	0.27369	0.784323	0.839098	1.626259	0.547412	0.695731	2.232127	0	2.009959
11529	TMEM198	168.0589	0.598004	0.238431	2.508083	0.012139	0.027991	146.9054	107.2927	148.8865	203.1236	168.9897	233.1552
23793	LOC119624	3.772773	0.597838	1.368393	0.436891	0.662191	0.739748	2.710432	2.737059	3.478657	0	10.69555	3.014938
17463	CUNH1orf1	41.71651	0.597732	0.421912	1.416721	0.156564	0.238348	41.74065	22.9913	35.4823	46.87467	44.92132	58.28881
18359	LOC103221	31.54186	0.59765	0.469858	1.271982	0.20338	0.294491	27.6464	19.15941	27.82925	49.10679	36.36488	29.1444
18955	BHLHA15	27.64694	0.597393	0.500438	1.193741	0.232579	0.32618	22.76763	18.06459	24.3506	37.94616	40.6431	22.10955
20288	PTPN22	19.52768	0.597047	0.60925	0.979971	0.327101	0.428626	17.88885	10.40082	18.08902	35.71403	14.97377	20.09959
17371	ARHGAP3C	42.58448	0.596921	0.415727	1.435849	0.151045	0.231163	25.47806	36.67659	38.96096	46.87467	66.31243	41.20416
20244	LOC119621	17.35199	0.596855	0.603883	0.988362	0.322975	0.42412	17.88885	11.49565	11.82743	24.5534	19.252	19.09461
22648	LOC119624	6.162322	0.596818	0.969574	0.615547	0.538194	0.63175	3.794605	6.02153	4.87012	6.696381	8.556443	7.034856
7854	LOC119620	409.5	0.596811	0.172868	3.452416	0.000556	0.001881	294.3529	372.7874	313.0791	508.925	417.1266	550.7287
4511	EVI5L	887.6915	0.596793	0.119206	5.006412	5.55E-07	3.27E-06	706.3385	728.6051	685.9911	1129.456	973.2954	1102.462
6685	LOC103221	636.6098	0.59652	0.154418	3.863019	0.000112	0.000445	527.9921	430.2657	564.9339	792.4051	675.959	828.1031
3171	CPQ	3464.087	0.596066	0.096224	6.194531	5.85E-10	4.90E-09	2816.139	2774.283	2690.393	4073.632	3916.712	4513.363
18870	CUNH6orf1	28.68947	0.596023	0.493096	1.208736	0.226764	0.319477	23.8518	20.25424	24.3506	22.32127	49.19955	32.15934
5750	CTSO	941.3831	0.595888	0.138574	4.300148	1.71E-05	7.89E-05	685.1972	884.0701	679.0338	1118.296	1155.12	1126.582
3160	FURIN	6417.625	0.59574	0.095973	6.207388	5.39E-10	4.53E-09	5123.258	4943.676	5272.252	7758.873	7063.343	8344.345
19109	LOC103221	24.98119	0.595059	0.509664	1.16755	0.242988	0.338052	15.7205	24.08612	19.48048	31.24978	34.22577	25.12449
3738	PARP9	2848.793	0.594882	0.10613	5.605238	2.08E-08	1.48E-07	2192.739	2488.534	2130.329	3437.476	3208.666	3635.011
15249	DNAAF4	92.34308	0.594734	0.332474	1.788815	0.073645	0.128392	67.21871	91.96518	60.52863	82.5887	158.2942	93.46309
5590	MSCOLN1	511.5715	0.594672	0.135869	4.376814	1.20E-05	5.73E-05	429.8745	393.5891	400.0455	580.353	637.455	628.1122
3941	NSMCE2	1242.454	0.594576	0.109854	5.412439	6.22E-08	4.19E-07	1031.048	919.1044	1017.855	1542.4	1510.212	1434.106
15377	LOC103241	66.48709	0.593871	0.33666	1.764006	0.077731	0.134388	66.67662	40.50847	51.48412	82.5887	81.28621	76.37844
2898	NSMAF	3147.585	0.593669	0.090605	6.552255	5.67E-11	5.20E-10	2492.513	2570.098	2467.759	3604.885	3792.643	3957.609
19077	LOC103221	26.43308	0.593607	0.505872	1.173434	0.240622	0.335322	27.10432	18.612	18.08902	26.78552	27.80844	40.19918
8749	LOC119621	307.8856	0.593586	0.186111	3.189425	0.001426	0.004332	278.6324	213.4906	241.4188	397.3186	397.8746	318.5785
15028	LOC119624	78.17648	0.59357	0.324745	1.827802	0.067579	0.119542	62.33993	65.14201	57.7457	89.28508	126.2075	68.3386
3647	CREG1	7117.004	0.593504	0.10413	5.699634	1.20E-08	8.75E-08	5393.217	6423.33	5203.375	8582.528	8436.652	8662.923
14283	IQCIN	84.40399	0.593388	0.301937	1.965272	0.049383	0.091938	63.42411	75.54283	61.22436	104.91	121.9293	79.39338
18118	LOC103215	35.85126	0.593349	0.450224	1.317897	0.187538	0.275179	29.81475	29.01283	25.74206	44.64254	57.75599	28.13943
19669	LOC119615	22.65755	0.593292	0.551841	1.075113	0.282324	0.381595	18.43094	15.87494	20.87194	22.32127	19.252	39.1942
2451	SLC35G1	12042.49	0.592536	0.082335	7.196622	6.17E-13	6.69E-12	9811.763	9662.366	9340.889	14258.83	14006.9	15174.19
4891	LCAT	736.1642	0.592419	0.12477	4.74809	2.05E-06	1.12E-05	583.2849	602.153	579.5442	832.5834	855.6443	963.7753
4428	TCP11L1	2966.855	0.592351	0.117092	5.058866	4.22E-07	2.53E-06	2186.234	2718.447	2196.424	3428.547	3469.638	3801.837
6799	ZNF341	387.078	0.592281	0.155138	3.817771	0.000135	0.000527	313.868	335.016	276.2054	459.8182	481.2999	456.2607
15944	LOC119621	56.15759	0.592204	0.353029	1.677492	0.093446	0.155831	53.66655	45.43518	35.4823	66.96381	62.03421	73.3635
16444	CBLN3	48.25105	0.592146	0.3745	1.581162	0.113841	0.184047	43.909	39.41365	31.30791	64.73168	59.8951	50.24897
22924	TRNAG-UC	7.458275	0.592128	1.028602	0.575663	0.564843	0.655025	3.794605	2.189647	11.82743	15.62489	4.278221	7.034856
21884	PNW	13.56629	0.592038	0.792678	0.746883	0.455134	0.552904	9.215468	6.02153	16.69755	15.62489	27.80844	6.029877
3801	ISCU	3072.586	0.591996	0.106852	5.540356	3.02E-08	2.11E-07	2345.608	2711.878	2298.001	3653.992	3499.585	3926.455
15987	LOC119615	66.40733	0.59182	0.354783	1.66812	0.095292	0.158462	49.32986	48.17224	60.52863	64.73168	113.3729	62.30873
13442	TBXAS1	97.88139	0.591672	0.279268	2.118655	0.03412	0.06748	80.77087	68.42648	83.48776	133.9276	126.2075	94.46807
6107	LGALS8	647.591	0.591604	0.143696	4.117067	3.84E-05	0.000167	464.0259	590.6573	496.7522	732.1376	782.9145	819.0583
21610	LOC103241	17.03077	0.59158	0.749306	0.789504	0.429817	0.528769	17.88885	7.663765	14.61036	42.41041	8.556443	11.05477
3045	SYTL2	2563.516	0.591525	0.093211	6.346097	2.21E-10	1.93E-09	2089.743	2068.122	1980.747	3060.246	2956.251	3225.984
19473	LOC119615	25.26736	0.591506	0.535516	1.104554	0.269353	0.367727	15.7205	17.51718	27.13352	22.32127	42.78221	26.12947
22231	LOC103221	9.046825	0.591378	0.86054	0.687217	0.491946	0.588295	7.047123	8.211177	6.261582	4.464254	19.252	9.044815
21495	LOC103221	11.23091	0.59136	0.735432	0.804099	0.42134	0.521113	8.673382	7.663765	10.43597	17.85702	10.69555	12.05975
3783	MIDEAS	3450.79	0.591278	0.106371	5.558661	2.72E-08	1.91E-07	2574.91	3049.631	2638.909	4075.864	3944.52	4420.905
4119	CPT2	1292.617	0.591089	0.112022	5.276561	1.32E-07	8.50E-07	1010.449	1116.72	969.1538	1493.293	1538.021	1628.067
22983	TRNAS-AG	5.901486	0.590915	1.042037	0.567077	0.570662	0.660098	2.168345	5.474118	6.261582	8.928508	8.556443	4.019918
2825	OAT	5405.293	0.590649	0.088751	6.655121	2.83E-11	2.66E-10	4397.405	4494.251	4051.94	6361.562	6434.445	6692.158
24009	LOC119621	3.496231	0.590294	1.456818	0.405194	0.685335	0.758867	1.626259	4.379295	2.782925	0	2.139111	10.04979
5751	FAM185A	500.0349	0.590209	0.137255	4.300079	1.71E-05	7.89E-05	424.4536	397.421	376.3907	593.7458	586.1163	622.0823
10412	SLC37A1	166.7499	0.590008	0.213495	2.76357	0.005717	0.014598	137.1479	126.9995	137.0591	174.1059	201.0764	224.1104
14951	LOC103221	77.54327	0.589637	0.319517	1.845399	0.06498	0.115543	73.72375	47.62483	63.31155	102.6778	100.5382	77.38342
5663	LOC119621	737.0947	0.589616	0.135824	4.341026	1.42E-05	6.66E-05	602.258	519.4938	645.6387	912.9399	825.6967	916.5413
5299	HHAT	616.4345											



2666	LOC103240	7046.469	0.588314	0.085549	6.876912	6.12E-12	6.10E-11	5522.776	5954.746	5411.399	8316.905	8462.322	8610.664
19580	LOC103238	27.36875	0.588228	0.540914	1.08747	0.276829	0.375811	16.80468	31.20247	16.69755	33.4819	44.92132	21.10457
5147	GPHN	1466.501	0.588182	0.127716	4.605375	4.12E-06	2.13E-05	1093.388	1352.655	1070.731	1756.684	1649.254	1876.297
5227	PRDX1	34139.59	0.588078	0.128789	4.566215	4.97E-06	2.53E-05	30387.74	21530.25	29912.97	40749.71	39787.46	42469.43
17186	LOC103221	42.04754	0.588073	0.400207	1.469423	0.141718	0.219224	36.86187	27.918	36.17803	40.17829	59.8951	51.25395
3105	ATP5MF	6273.158	0.588027	0.093739	6.273057	3.54E-10	3.03E-09	5030.019	4687.487	5315.388	7783.427	7726.468	7096.16
3756	CELSR2	7515.93	0.587852	0.105234	5.586139	2.32E-08	1.64E-07	6193.337	5754.393	6075.822	8571.368	8289.054	10209.59
21092	LOC119615	165.8854	0.587668	0.678366	0.8663	0.386326	0.486937	54.20864	261.1154	82.0963	223.2127	196.7982	177.8814
5551	SYNJ1	969.5412	0.587537	0.133774	4.391997	1.12E-05	5.38E-05	697.1231	893.3761	735.3881	1149.545	1118.755	1223.06
9158	PUSL1	531.982	0.587498	0.191771	3.063534	0.002187	0.00635	482.4569	306.5506	488.4034	633.9241	586.1163	694.4408
4155	MYO5B	3138.796	0.587488	0.111827	5.253539	1.49E-07	9.55E-07	2476.793	2710.236	2343.223	3674.081	3439.69	4188.754
5748	SEC62	6327.262	0.587149	0.136528	4.300584	1.70E-05	7.88E-05	4374.095	6274.434	4522.95	7258.877	7844.119	7689.098
17580	LOC119628	50.05863	0.586805	0.41805	1.403671	0.160417	0.242587	48.78777	37.77142	32.00364	58.0353	85.56443	38.18922
4615	CASP6	1072.94	0.586721	0.118837	4.93721	7.92E-07	4.57E-06	895.5267	886.8071	791.7423	1180.795	1356.196	1326.573
24196	LOC119620	2.641475	0.586717	1.56815	0.374146	0.708296	0.77823	2.168345	0.547412	3.478657	2.232127	6.417332	1.004979
24434	LOC103238	1.774565	0.58614	1.724806	0.33983	0.733985	0.798631	1.084173	1.094824	2.087194	2.232127	2.139111	2.009959
4827	MAP3K12	1088.806	0.586118	0.122221	4.795542	1.62E-06	8.94E-06	902.5738	869.29	842.5307	1377.222	1142.285	1398.931
22457	LOC119618	7.946888	0.586083	0.904413	0.648026	0.516968	0.611996	4.336691	8.758589	5.565851	11.16063	12.83466	5.024897
13213	LOC103240	105.4936	0.585879	0.270534	2.165635	0.030339	0.061043	87.27591	71.16354	93.92374	118.3027	149.7377	112.5577
22512	TRNAK-UU	7.388784	0.585807	0.918305	0.637922	0.523524	0.618243	4.878777	4.926706	8.348776	6.696381	6.417332	13.06473
3182	KDEL3	3012.053	0.585659	0.094719	6.183141	6.28E-10	5.25E-09	2416.079	2422.297	2394.012	3462.029	3484.611	3893.29
21775	LOC103228	10.60308	0.585431	0.76646	0.763812	0.444979	0.543273	7.047123	7.116354	11.1317	11.16063	17.11289	10.04979
5556	LOC103235	1175.743	0.585253	0.133311	4.390133	1.13E-05	5.42E-05	960.035	858.8891	1007.419	1424.097	1217.154	1586.863
4384	SAYSD1	920.2664	0.585237	0.114956	5.090982	3.56E-07	2.16E-06	764.8839	694.1182	751.3899	1095.974	1069.555	1145.677
3958	PLCD1	1707.336	0.585233	0.10828	5.404807	6.49E-08	4.36E-07	1376.899	1292.439	1432.511	2035.7	1899.53	2206.935
20705	MESP2	17.19097	0.584923	0.6359	0.919835	0.357659	0.45923	14.09425	15.87494	11.1317	31.24978	10.69555	20.09959
7936	HIVEP3	545.791	0.584888	0.170582	3.428774	0.000606	0.002031	368.6187	535.3688	407.0029	662.9417	605.3683	695.4458
19707	EFCAB12	21.19013	0.584806	0.547192	1.068741	0.285186	0.38472	20.59928	15.32753	15.30609	20.08914	25.66933	30.14938
19555	LOC119620	24.71119	0.584492	0.536122	1.090222	0.275615	0.374699	24.39389	13.6853	20.87194	24.5534	40.6431	24.11951
23061	LOC103220	6.147681	0.584102	1.057861	0.552153	0.580843	0.669603	8.131296	2.737059	4.174388	2.232127	8.556443	11.05477
16886	IGSF1	68.59268	0.58409	0.387147	1.508703	0.131375	0.206822	53.12446	52.55153	57.04997	84.82083	119.7902	44.2191
6880	DLGAP4	1261.431	0.583586	0.154162	3.78555	0.000153	0.000593	838.0655	1256.31	935.7587	1506.686	1443.9	1587.868
3209	TMX4	5774.148	0.583482	0.094847	6.151807	7.66E-10	6.35E-09	4471.67	4929.991	4469.378	6772.273	6594.878	7406.699
10077	MCFL2L	198.387	0.583219	0.20517	2.842617	0.004474	0.011805	163.7101	155.465	157.931	194.195	273.8062	245.215
11705	RAB26	157.3058	0.583216	0.236018	2.471062	0.013471	0.030597	142.0266	101.8186	134.9719	162.9453	201.0764	200.9959
3651	SLC6A8	10235.73	0.58302	0.102331	5.697422	1.22E-08	8.86E-08	8151.353	8417.551	8023.87	11986.52	11069.9	13765.2
6233	WDR44	1087.62	0.582892	0.143576	4.059824	4.91E-05	0.000209	772.4731	1053.768	786.1764	1290.169	1300.579	1322.553
18591	MAMSTR	33.75557	0.582663	0.471265	1.236383	0.216316	0.309331	26.02015	27.37059	26.43779	55.80317	42.78221	24.11951
12237	FRAT2	124.3055	0.582634	0.246914	2.359662	0.018292	0.039739	111.6698	100.1764	85.57496	167.4095	143.3204	137.6822
4721	DBR1	1464.193	0.58245	0.119608	4.869664	1.12E-06	6.30E-06	1171.991	1299.008	1044.293	1863.826	1700.593	1705.45
4219	MRPL14	4858.461	0.582447	0.111862	5.206835	1.92E-07	1.21E-06	4124.193	3323.885	4225.872	5899.512	5675.061	5902.244
5944	INSIG2	541.6017	0.582171	0.138983	4.18879	2.80E-05	0.000125	443.4267	460.3733	395.8711	694.1915	624.6203	631.1271
3827	SELENOT	10089.81	0.582125	0.105524	5.516521	3.46E-08	2.40E-07	7651.549	7978.527	8608.284	12323.57	13251.79	10725.14
23790	LOC103240	3.225455	0.581517	1.328305	0.437789	0.661539	0.739261	2.168345	2.737059	2.782925	2.232127	6.417332	3.014938
5828	UBXN7	2204.558	0.581303	0.136452	4.26012	2.04E-05	9.32E-05	1594.276	2153.518	1551.481	2593.732	2611.854	2722.489
11383	SCN3A	136.7455	0.581055	0.22862	2.54158	0.011035	0.025773	112.2119	109.4824	107.1426	142.8561	183.9635	164.8166
15957	LOC103220	60.91713	0.580954	0.347076	1.673851	0.09416	0.156864	43.36691	56.38342	46.614	55.80317	91.98176	71.35354
24780	PMCH	1.450002	0.580658	2.032525	0.285683	0.775121	0.831581	1.626259	1.094824	0.695731	0	4.278221	1.004979
5411	LOC103218	4970.703	0.580469	0.130255	4.456421	8.33E-06	4.09E-05	4381.684	3460.737	4115.947	5667.37	5277.186	6921.294
5435	ZNFA436	869.8076	0.580389	0.130574	4.44908	8.79E-06	4.30E-05	667.8504	791.0101	633.1155	1026.778	1026.773	1073.318
3350	STT3B	11688.51	0.580369	0.096831	5.993607	2.05E-09	1.63E-08	8959.061	10367.98	8780.826	13604.81	13891.38	14526.98
14862	LOC103240	66.74056	0.580343	0.311949	1.860379	0.062832	0.112393	52.04029	56.93083	52.17985	78.12444	72.72976	88.43819
3752	ATP6V1G1	7176.556	0.580193	0.103755	5.591935	2.25E-08	1.59E-07	5967.829	5113.921	6173.224	9002.168	8721.154	8081.04
5351	SLC35E3	564.26	0.579794	0.129147	4.489034	7.15E-06	3.55E-05	430.4166	466.9423	460.5742	667.406	673.8199	686.401
18679	DEGS2	31.30893	0.579734	0.470769	1.231462	0.21815	0.310493	33.06727	18.06459	24.3506	37.94616	34.22577	40.19918
4696	LSM1	936.5051	0.579347	0.118571	4.886096	1.03E-06	5.82E-06	752.4159	698.4975	800.0911	1151.778	1152.981	1063.268
10373	FAM161B	203.2189	0.579216	0.209059	2.770589	0.005595	0.014341	168.0468	174.077	144.0164	279.0159	248.1368	206.0208
3367	FBXL3	2165.895	0.578867	0.096944	5.971142	2.36E-09	1.86E-08	1761.239	1788.942	1664.189	2540.161	2511.316	2729.524
9133	LOC119620	304.6865	0.578393	0.188275	3.072061	0.002126	0.006188	205.9928	294.5076	233.07	354.9082	365.7879	373.8524
3111	IDI1	8609.929	0.578363	0.092267	6.268335	3.65E-10	3.12E-09	6730.002	7498.447	6489.086	10357.07	10569.35	10015.63
8907	AMIGO2	288.9042	0.577677	0.183789	3.143152	0.001671	0.004989	230.9288	204.1846	260.8993	383.9258	303.7537	349.7329
24262	IL36G	2.622411	0.577579	1.573077	0.367165	0.713496	0.781811	1.626259	3.284471	1.391463	0	6.417332	3.014938
15953	LOC103220	66.99105	0.577261	0.344581	1.675254	0.093884	0.156454	52.04029	41.05589	67.48594	93.74933	81.28621	66.32864
6635	CARD19	569.0443	0.577224	0.148537	3.886061	0.000102	0.000408	498.7195	413.8433	460.5742	683.0309	605.3683	752.7296
6203	ARHGEF6	1105.573	0.577216	0.141799	4.07066	4.69E-05	0.000201	793.0724	1066.358	802.874	1272.312	1339.083	1359.737
16847	KCNK6	51.50461	0.576555	0.380392	1.515689	0.129598	0.204509	34.69353	38.31883	50.09266	66.96381	72.72976	46.22906
3149	RAD21	11225.3	0.576446	0.092679	6.219806	4.98E-10	4.20E-09	8647.904	9705.611	8686.902	12950.8	13099.91	14260.66
23685	LOC119620	4.379697	0.576443	1.264529	0.455856	0.648494	0.727895	3.794605	3.284471	3.478657	0	10.69555	5.024897
22818	LOC119618	6.182072	0.576111	0.976896	0.589736	0.555368	0.647053	4.878777	4.926706	4.87012	6.696381	10.69555	5.024897
4484	TTC7A	2720.212	0.57605										



18964	LOC103221	28.00279	0.575259	0.482489	1.192273	0.233154	0.326851	26.02015	19.70683	21.56767	26.78552	42.78221	31.15436
17429	LOC103218	43.03867	0.575189	0.404009	1.423704	0.154532	0.235735	34.69353	38.31883	29.91645	44.64254	68.45154	42.20914
20046	LOC119621	25.94675	0.575028	0.56317	1.021056	0.307228	0.407463	20.59928	31.20247	11.1317	29.01765	23.53022	40.19918
4818	SIL1	1173.368	0.574814	0.11973	4.800933	1.58E-06	8.71E-06	982.8026	884.6175	965.6751	1332.58	1319.831	1554.703
4235	LOC119618	3060.495	0.574734	0.110605	5.196255	2.03E-07	1.28E-06	2626.408	2258.621	2495.588	3738.813	3289.952	3953.589
4388	CRAT	1365.601	0.57447	0.112901	5.088257	3.61E-07	2.19E-06	1070.078	1092.087	1134.738	1611.596	1495.238	1789.868
20992	LOC103230	16.19561	0.574364	0.652808	0.879836	0.378948	0.47989	18.43094	8.758589	11.82743	13.39276	25.66933	19.09461
22037	IFI27	9.706279	0.574005	0.798415	0.71893	0.472184	0.569633	8.131296	8.758589	6.261582	8.928508	17.11289	9.044815
20766	HNRNPA11	19.46885	0.574	0.631542	0.908887	0.36341	0.465243	24.39389	11.49565	10.43597	22.32127	32.08666	16.07967
3924	KIF1B	5839.987	0.573823	0.105768	5.425284	5.79E-08	3.92E-07	4447.819	5209.718	4427.634	6732.095	6661.191	7561.466
6710	CYS1	416.8724	0.573674	0.148967	3.851015	0.000118	0.000466	365.3662	311.4773	328.3852	482.1394	513.3866	500.4798
21345	EPGN	15.04032	0.573608	0.69526	0.825025	0.409357	0.509851	16.26259	7.663765	11.82743	15.62489	27.80844	11.05477
24221	HCST	2.672053	0.573383	1.546349	0.370798	0.710788	0.780129	0.542086	1.094824	4.87012	2.232127	4.278221	3.014938
7057	ABHD18	438.2527	0.573147	0.154559	3.708264	0.000209	0.000786	382.713	316.9514	354.823	544.639	554.0297	476.3603
16556	LOC119621	48.47592	0.57302	0.366237	1.564615	0.117673	0.188955	40.11439	39.41365	38.26523	49.10679	55.61688	68.3386
18279	ZNF556	33.74568	0.572965	0.444988	1.287597	0.197886	0.287808	27.6464	30.65506	22.2634	49.10679	40.6431	32.15934
4020	TMEM68	1115.763	0.572814	0.106928	5.357002	8.46E-08	5.60E-07	930.7623	865.4581	894.0148	1321.419	1375.448	1307.478
13548	LOC103240	139.3981	0.572609	0.272849	2.098629	0.03585	0.070347	138.232	86.49107	109.9256	160.7131	205.3546	135.6722
23308	FIBCD1	5.06894	0.57225	1.117316	0.512165	0.608535	0.694093	2.710432	4.379295	4.87012	11.16063	4.278221	3.014938
13781	SETD9	84.33949	0.572154	0.278991	2.050798	0.040287	0.077717	69.92914	62.40495	71.66033	95.98146	100.5382	105.5228
18772	LOC103216	46.53549	0.572027	0.467878	1.2226	0.221481	0.313795	42.28274	29.56024	38.96096	53.57105	87.70354	27.13445
4010	LRRC75B	1028.261	0.571894	0.106602	5.364752	8.11E-08	5.37E-07	844.0285	806.885	830.0075	1236.598	1229.989	1222.055
8866	PGGHG	426.8112	0.571822	0.181408	3.152126	0.001621	0.00486	382.713	268.2318	381.2608	479.9073	491.9955	556.7586
23312	LOC119621	4.736482	0.571765	1.117483	0.511654	0.608893	0.694352	5.420864	2.737059	3.478657	4.464254	4.278221	8.039836
19652	FOXP3	22.77406	0.571688	0.530506	1.077626	0.281201	0.38041	15.7205	16.42235	22.95914	22.32127	32.08666	27.13445
16353	TMTC2	59.08895	0.571585	0.358221	1.595623	0.110573	0.179758	46.07734	54.19377	41.04815	66.96381	91.98176	54.26889
10149	PPP1R3D	184.1661	0.571512	0.202245	2.825846	0.004716	0.012352	148.5317	137.4004	160.0182	216.5163	205.3546	237.1752
5932	RAB7A	6682.959	0.571066	0.136183	4.19336	2.75E-05	0.000123	4587.677	6680.614	4863.162	7883.872	7948.935	8132.294
6904	DHRS4	420.9909	0.571022	0.15124	3.775612	0.00016	0.000615	341.5144	362.934	309.6005	542.4069	494.1346	475.3553
10035	TXNRD2	345.6249	0.57087	0.199987	2.854527	0.00431	0.011418	318.7468	220.607	297.773	410.7114	346.5359	479.3752
22994	LOC119621	5.912348	0.570861	1.010788	0.564768	0.572231	0.661602	5.96295	3.831883	4.174388	8.928508	8.556443	4.019918
19455	SNX22	25.48367	0.570464	0.514168	1.109489	0.267219	0.365152	25.47806	15.32753	20.17621	35.71403	32.08666	24.11951
8128	CCDC74B	555.8443	0.570168	0.169139	3.370999	0.000749	0.00245	471.6151	380.9986	493.9693	640.6204	569.0034	778.8591
6242	ZBTB5	574.5255	0.569844	0.140563	4.054009	5.03E-05	0.000214	459.1472	499.2396	432.0492	649.549	652.4288	754.7392
20322	LOC103234	19.83965	0.569754	0.584649	0.974523	0.329797	0.431436	12.46799	18.06459	16.69755	26.78552	29.94755	15.07469
5595	SLC13A3	517.954	0.569639	0.130195	4.375264	1.21E-05	5.76E-05	422.8274	412.7485	415.3516	620.5313	618.203	618.0624
5230	ST3GAL5	1046.765	0.56962	0.124813	4.56378	5.02E-06	2.55E-05	816.3821	918.0096	797.3082	1238.83	1142.285	1367.777
5533	SRSF12	848.4233	0.569553	0.129482	4.398712	1.09E-05	5.23E-05	657.5508	753.7861	634.507	1084.814	1018.217	941.6658
2846	BNIP3	3590.493	0.569501	0.086035	6.619434	3.61E-11	3.37E-10	2974.428	2805.486	2894.243	4232.113	4276.082	4360.606
22701	LOC103218	7.76699	0.569439	0.936072	0.608328	0.54297	0.635868	6.505036	6.02153	6.261582	15.62489	2.139111	10.04979
3524	CTDSPL	3957.067	0.569432	0.097618	5.833252	5.44E-09	4.10E-08	3116.455	3401.617	3043.129	4796.841	4408.707	4975.653
8971	ZNF613	371.8058	0.569138	0.182115	3.125161	0.001777	0.005267	304.6525	353.628	238.6359	439.729	462.0479	432.1412
21343	LOC119621	14.53999	0.569062	0.689583	0.825227	0.409243	0.509745	8.673382	12.59047	13.2189	22.32127	21.39111	9.044815
18781	SLC12A8	29.70409	0.569061	0.466039	1.22106	0.222063	0.314337	20.59928	22.44388	28.52499	42.41041	32.08666	32.15934
21419	TRNAM-C4	12.74575	0.568879	0.698199	0.814781	0.015198	0.515338	11.38381	7.116354	12.52316	13.39276	14.97377	17.08465
16997	LOC119620	51.73039	0.568823	0.381116	1.492518	0.135563	0.212035	49.87195	45.98259	28.52499	60.26743	68.45154	57.28383
4455	LOC103238	13468.73	0.568629	0.112865	5.038118	4.70E-07	2.81E-06	10024.26	12677.51	9841.12	16544.53	15925.68	15799.28
4693	COL4A5	1639.994	0.568232	0.116251	4.887962	1.02E-06	5.77E-06	1415.93	1278.207	1274.58	1841.505	1843.913	2185.83
19850	LOC103218	31.32845	0.568099	0.543236	1.045767	0.295668	0.395012	40.65648	13.13788	21.56767	31.24978	49.19955	32.15934
18631	CYP46A1	35.8369	0.568029	0.460274	1.234111	0.217161	0.309867	38.48813	20.25424	27.13352	44.64254	51.33866	33.16432
5291	MAPK8IP3	2897.912	0.568021	0.125599	4.522503	6.11E-06	3.07E-05	2516.907	1995.863	2495.588	3484.35	3105.989	3788.773
8050	CERS1	278.4286	0.567966	0.167082	3.399329	0.000676	0.002231	211.9558	228.8181	233.07	319.1942	335.8404	341.693
20700	LOC103216	20.72637	0.567891	0.615837	0.922145	0.356453	0.457824	24.39389	15.87494	9.044508	29.01765	29.94755	16.07967
21197	TNFRSF13C	15.30746	0.567755	0.667641	0.850389	0.395109	0.49554	11.38381	15.32753	10.43597	8.928508	25.66933	20.09959
4546	LOC103221	4610.545	0.567732	0.113996	4.98026	6.35E-07	3.71E-06	3914.948	3349.613	3886.355	5390.587	4971.293	6150.474
5084	DYNLT2B	805.079	0.567261	0.122211	4.641643	3.46E-06	1.81E-05	676.5238	607.6271	663.032	899.5472	1013.938	969.8052
4816	TGFB1I1	959.1376	0.567256	0.118119	4.80241	1.57E-06	8.65E-06	726.9378	820.5703	774.349	1124.992	1090.946	1217.03
17991	LOC103238	45.21761	0.56717	0.421734	1.344851	0.178673	0.264022	35.23561	38.86624	34.09084	44.64254	81.28621	37.18424
5574	PRKAG2	3193.45	0.567139	0.129383	4.38342	1.17E-05	5.57E-05	2316.877	3096.161	2305.654	3901.758	3893.181	3647.07
24055	LOC119621	2.677248	0.567061	1.427929	0.397121	0.691278	0.763984	2.168345	2.189647	2.087194	4.464254	2.139111	3.014938
12133	RPUSD1	231.5586	0.566925	0.238311	2.378928	0.017363	0.038043	226.5921	128.6418	205.9365	267.8552	258.8324	301.4938
21301	CUNHXorf1	18.1005	0.566836	0.679857	0.833759	0.404417	0.504738	14.09425	14.78012	13.91463	24.5534	34.22577	7.034856
14685	LOC119620	71.80465	0.566785	0.299563	1.892038	0.058486	0.10588	59.08741	55.28859	59.13717	93.74933	79.14709	84.41828
6473	CFAP69	549.9362	0.56678	0.143463	3.95071	7.79E-05	0.00032	464.0259	440.6665	422.3089	627.2277	744.4105	600.9777
20719	AMY2A	17.52274	0.566771	0.618837	0.915863	0.359739	0.461588	9.757555	17.51718	14.61036	26.78552	21.39111	15.07469
13499	HMGN5	122.3364	0.566698	0.268919	2.10732	0.03509	0.069106	99.20181	122.0728	74.44326	151.7846	134.764	151.7519
7754	SPSB3	502.5145	0.56632	0.162884	3.476826	0.000507	0.00174	430.4166	336.6583	450.8339	598.21	549.7514	649.2167
3919	MLEC	17113.69	0.566268	0.104275	5.430532	5.62E-08	3.81E-07	13397.12	15301.26	12698.49	19794.5	19311.89	22178.89
17919	LOC119621	39.14321	0.56619	0.417004	1.357756	0.174541	0.258953	36.86187	31.20247	25.74206	55.80317	47.06043	38.18922
4526	HLTF	17039.03	0.565761	0.113185	4.998558	5.78E-0							



4281	BTD	1695.987	0.565088	0.109366	5.166931	2.38E-07	1.48E-06	1415.93	1270.543	1422.075	1991.057	1899.53	2176.786
13341	LOC119622	115.9679	0.564971	0.264081	2.139383	0.032405	0.064574	107.8752	81.56436	91.14081	113.8385	164.7115	136.6772
3690	ATP2C1	4057.505	0.564952	0.099996	5.649752	1.61E-08	1.16E-07	3192.347	3575.147	3054.261	4685.235	4748.826	5089.216
17385	GCKR	52.46983	0.564818	0.394601	1.431365	0.152326	0.232935	37.94605	38.31883	49.39693	87.05295	59.8951	42.20914
3525	SLC30A7	4463.603	0.56451	0.096777	5.83308	5.44E-09	4.10E-08	3595.659	3857.611	3352.729	5044.607	5390.559	5540.452
23753	TRAPPC3L	4.418422	0.564427	1.271111	0.444042	0.657012	0.73526	3.794605	1.642235	6.261582	11.16063	0	6.029877
23745	LOC119622	4.440986	0.564385	1.26748	0.445281	0.656116	0.734591	5.96295	1.642235	2.782925	6.696381	8.556443	1.004979
7188	NUCB2	4141.332	0.564307	0.153779	3.669592	0.000243	0.000898	2844.869	4324.553	2853.194	4962.018	5168.091	4695.264
18448	LOC103222	35.57335	0.563725	0.448452	1.257045	0.208737	0.300807	27.6464	37.77142	20.17621	46.87467	42.78221	38.18922
6477	AMER1	569.8872	0.56367	0.142756	3.948479	7.86E-05	0.000323	419.0328	501.9766	461.2699	680.7987	624.6203	731.6251
6587	PDE3A	576.8958	0.563619	0.14431	3.905609	9.40E-05	0.000379	448.8475	503.0715	448.7467	649.549	635.3159	775.8442
13008	LOC103212	99.6795	0.563521	0.255852	2.202528	0.027628	0.056465	78.06044	79.37471	84.1835	116.0706	119.7902	120.5975
16236	CLDN23	54.96901	0.563137	0.34771	1.619558	0.105327	0.172464	49.32986	38.86624	44.52681	75.89232	59.8951	61.30375
22579	TCP11	8.003414	0.563118	0.897372	0.627519	0.530319	0.624409	7.589209	3.284471	8.348776	8.928508	12.83466	7.034856
8691	CDKL3	254.608	0.56299	0.175629	3.205559	0.001348	0.004122	210.3295	208.5639	196.892	285.7123	333.7013	292.449
6018	ANKRD54	678.4376	0.562935	0.135398	4.157643	3.22E-05	0.000142	534.4972	565.4764	546.8449	819.1906	710.1847	894.4317
5596	MBNL2	2414.11	0.562831	0.128647	4.375011	1.21E-05	5.77E-05	1755.818	2327.595	1763.679	2935.247	2780.844	2921.475
8640	MXD3	416.2995	0.562749	0.174894	3.217655	0.001292	0.003977	344.7669	279.18	386.8266	506.6928	440.6568	539.674
17895	LOC103242	39.84622	0.562686	0.413084	1.362159	0.173148	0.25727	35.7777	27.918	32.00364	60.26743	44.92132	38.18922
15002	LOC119622	90.18538	0.562562	0.306952	1.832736	0.066842	0.11845	77.51835	65.14201	77.92191	75.89232	106.9555	137.6822
23022	LOC103222	5.930086	0.562454	1.006582	0.558776	0.576315	0.665508	2.710432	6.02153	5.565851	6.696381	8.556443	6.029877
21202	PHYHD1	17.45345	0.562446	0.661917	0.849722	0.39548	0.495888	10.29964	18.06459	13.2189	17.85702	34.22577	11.05477
15439	LOC103232	93.2159	0.562355	0.320596	1.754093	0.079415	0.136747	60.71367	95.79707	68.87741	145.0883	81.28621	107.5328
4489	PLEC	73739.94	0.562322	0.112101	5.016198	5.27E-07	3.12E-06	60149.36	54287.92	64214.61	87307.41	77615.99	98864.86
6891	KLHDC8B	534.813	0.562254	0.148794	3.778735	0.000158	0.000608	454.2684	386.4727	458.487	584.8173	620.3421	704.4906
5495	CUTA	3741.667	0.562158	0.127428	4.411584	1.03E-05	4.96E-05	3250.35	2530.685	3288.026	4555.771	4002.276	4822.896
19218	LOC103222	564.6315	0.562156	0.48831	1.15123	0.249638	0.34538	604.9684	205.8268	557.9766	560.2639	624.6203	834.133
25223	LOC119622	1.166551	0.561936	2.667267	0.210679	0.833138	0.878057	1.626259	1.094824	0	0	4.278221	0
21252	LOC103232	13.99504	0.56192	0.667601	0.841701	0.399955	0.500321	10.84173	10.94824	12.52316	17.85702	10.69555	21.10457
20922	LOC103232	23.50118	0.561815	0.632863	0.887735	0.374683	0.476099	17.34676	16.96977	21.56767	29.01765	47.06043	9.044815
24747	LOC103212	1.769595	0.5617	1.935705	0.290178	0.77168	0.828994	2.168345	0.547412	1.391463	2.232127	4.278221	0
20304	LOC119622	32.26647	0.561426	0.574081	0.977956	0.328096	0.429592	16.80468	48.71965	12.52316	35.71403	40.6431	39.1942
20087	LOC119622	24.93866	0.561424	0.55316	1.014938	0.310135	0.410462	18.43094	13.13788	28.52499	26.78552	40.6431	22.10955
4705	LOC103242	6042.946	0.561248	0.114982	4.881182	1.05E-06	5.96E-06	4453.782	5681.04	4513.209	7020.039	7046.321	7543.376
4053	RETREG2	3959.553	0.560799	0.10521	5.330287	9.81E-08	6.43E-07	3337.626	3119.7	3148.184	4493.272	4372.342	5286.192
4492	PPP2CB	5939.426	0.560732	0.11181	5.015026	5.30E-07	3.14E-06	5325.456	4241.347	4836.029	6908.433	6663.33	7661.963
19014	HES4	29.99817	0.560723	0.474349	1.182089	0.23717	0.331607	19.51511	24.08612	28.52499	37.94616	42.78221	27.13445
14402	LOC103232	83.5914	0.560716	0.288589	1.942955	0.052022	0.096028	65.59245	72.80577	63.31155	93.74933	117.6511	88.43819
23585	LOC119612	4.440722	0.560588	1.190751	0.470786	0.637794	0.718921	5.420864	2.189647	3.478657	2.232127	4.278221	9.044815
9360	KIAA1586	325.5094	0.560437	0.185824	3.015959	0.002562	0.007276	250.986	303.2661	231.6785	412.9435	423.5439	330.6382
22669	LOC103242	10.11448	0.560386	0.91577	0.611929	0.540585	0.633969	8.131296	6.02153	9.740239	13.39276	21.39111	2.009959
4856	CYFIP2	4764.409	0.56025	0.117323	4.775281	1.79E-06	9.82E-06	3727.928	4157.045	3674.157	5392.819	5091.083	6543.421
5921	TUT7	4905.137	0.560239	0.133333	4.201809	2.65E-05	0.000119	3477.484	4873.06	3543.36	5787.905	5739.234	6009.777
7186	MAGEE1	453.5098	0.559787	0.152501	3.670702	0.000242	0.000895	411.9856	335.016	353.4315	558.0317	504.8301	557.7636
24321	LOC119622	2.353574	0.559477	1.560862	0.358441	0.720013	0.787038	2.168345	2.737059	0.695731	2.232127	4.278221	2.009959
15552	PDIA2	90.24066	0.559391	0.322377	1.73521	0.082704	0.141376	85.10756	49.81448	84.1835	127.2312	85.56443	109.5428
12541	LOC103232	172.4941	0.559299	0.243725	2.294791	0.021745	0.046096	156.663	126.4521	132.189	243.3018	224.6066	151.7519
6270	CD58	1013.245	0.559046	0.1383	4.042271	5.29E-05	0.000224	736.6954	907.6088	809.1356	1261.152	1317.692	1047.189
7367	NCOA1	1515.128	0.558582	0.154723	3.610215	0.000306	0.001104	1052.732	1556.839	1065.86	1819.183	1803.27	1792.883
24392	LOC119622	3.234898	0.55841	1.604333	0.348064	0.277792	0.793233	4.878777	2.737059	0	2.232127	8.556443	1.004979
5380	ATF6B	2631.834	0.558113	0.124733	4.474457	7.66E-06	3.79E-05	1902.723	2454.595	2032.927	3127.21	2870.687	3402.86
7159	NLRX1	1603.348	0.558046	0.151741	3.677629	0.000235	0.000874	1444.118	1063.074	1388.68	1886.147	1632.141	2205.93
5969	PLEK2	583.416	0.558013	0.133569	4.177702	2.94E-05	0.000131	499.8036	434.645	482.1418	714.2806	663.1243	706.5006
7283	LOC103222	587.6056	0.557966	0.153335	3.638868	0.000274	0.001	499.8036	416.033	511.3626	607.1385	780.7754	710.5205
23325	LOC119622	6.257904	0.55793	1.093743	0.51011	0.609974	0.695227	3.794605	6.02153	4.87012	11.16063	10.69555	1.004979
23238	LOC103232	5.045009	0.55781	1.066002	0.523273	0.600784	0.687316	3.254518	4.926706	4.174388	4.464254	6.417332	7.034856
19966	LOC103242	23.9379	0.557804	0.538712	1.035438	0.300464	0.400052	18.97302	20.80165	18.08902	17.85702	42.78221	25.12449
19967	LOC119612	23.9379	0.557804	0.538712	1.035438	0.300464	0.400052	18.97302	20.80165	18.08902	17.85702	42.78221	25.12449
21079	ADRA2C	16.88002	0.557775	0.642279	0.868431	0.385158	0.485765	14.63633	9.306001	17.39328	11.16063	25.66933	23.11453
24328	TRNAQ-CU	2.965112	0.557256	1.558584	0.35754	0.720688	0.787516	4.336691	1.094824	2.087194	2.232127	0	8.039836
23336	LOC103232	5.375666	0.557101	1.095257	0.508649	0.610998	0.696066	6.505036	1.642235	4.87012	8.928508	4.278221	6.029877
5787	TMEM192	736.6261	0.557064	0.130115	4.281305	1.86E-05	8.54E-05	544.2547	660.7261	583.0229	868.2974	894.1483	869.3072
24766	TRNAA-AG	1.772257	0.556939	1.935472	0.287754	0.773535	0.83035	0.542086	2.189647	1.391463	2.232127	4.278221	0
8568	EOMES	624.2502	0.556845	0.172002	3.237428	0.001206	0.003742	433.6691	637.7348	443.8766	712.0485	776.4972	741.6748
14347	LOC103232	98.16397	0.556566	0.284983	1.952982	0.050822	0.094173	76.97626	78.8273	81.40057	154.0168	96.25998	101.5029
9170	ABCD1	1012.258	0.556353	0.181679	3.062283	0.002197	0.006369	952.4458	599.4159	910.0166	1171.867	1043.886	1395.916
21725	TRNAL-CAV	17.22376	0.556226	0.718656	0.773981	0.438942	0.537136	25.47806	7.663765	9.044508	22.32127	10.69555	28.13943
21490	SOX30	15.85895	0.5558	0.68979	0.805753	0.420385	0.520053	11.9259	6.568942	20.17621	24.5534	12.83466	19.09461
8302	LRGUK	358.7176	0.555641	0.167746	3.312392	0.000925	0.002962	277.0061	313.667	277.5968	433.0326	479.1608	371.8424
20439	NKD2	19.31419	0.55523	0.580769									



12971	LOC119620	119.9171	0.554682	0.251101	2.209003	0.027174	0.055696	100.8281	94.15483	98.09812	145.0883	115.512	165.8216
6816	DIO1	406.5921	0.554667	0.145567	3.810381	0.000139	0.000541	323.0835	324.0678	339.5169	484.3716	511.2474	457.2657
3702	DHCR24	13034.45	0.554406	0.098334	5.638	1.72E-08	1.24E-07	10795.65	10429.84	10463.1	15055.7	14190.86	17271.58
3390	FKBP9	7035.376	0.554406	0.093145	5.952042	2.65E-09	2.08E-08	5638.782	6080.65	5384.265	8182.978	8051.613	8873.969
5110	NAV2	1206.447	0.554049	0.119839	4.623273	3.78E-06	1.97E-05	932.3886	1084.97	916.9739	1341.508	1467.43	1495.409
10078	WDR81	894.6799	0.554023	0.194914	2.8424	0.004478	0.011811	836.9814	529.8946	811.2228	1113.831	829.9749	1246.175
3317	VPS26C	2413.188	0.553946	0.091933	6.025524	1.69E-09	1.35E-08	1989.457	1937.838	1942.482	2834.801	2778.705	2995.844
17448	P2RY2	42.57228	0.553686	0.390296	1.418628	0.156007	0.237704	37.40396	30.65506	34.78657	58.0353	51.33866	43.21412
3189	ACBD5	3299.139	0.553335	0.089588	6.176415	6.56E-10	5.47E-09	2670.317	2765.524	2588.816	3778.991	3938.103	4053.082
4514	COPB2	15554.96	0.553071	0.110532	5.003711	5.62E-07	3.31E-06	11801.76	14575.39	11452.43	18372.64	17803.82	19323.75
6935	ZNF774	402.3313	0.552805	0.146911	3.762858	0.000168	0.000644	306.2788	347.0591	324.9066	484.3716	477.0217	474.3503
21615	PLAC8	13.62599	0.552598	0.700856	0.788462	0.430427	0.529396	15.7205	7.663765	9.740239	11.16063	21.39111	16.07967
3825	ARMC10	4373.212	0.552367	0.100078	5.519367	3.40E-08	2.36E-07	3446.043	3915.637	3276.895	5078.089	5234.404	5288.202
5788	COQ8A	1214.304	0.552324	0.129017	4.281018	1.86E-05	8.55E-05	1028.88	866.0055	1063.773	1370.526	1364.753	1591.887
4076	STX1A	2530.738	0.552129	0.103871	5.315513	1.06E-07	6.94E-07	2099.501	2004.075	2059.365	2941.943	2770.148	3309.397
11872	LOC119620	328.0117	0.551975	0.226913	2.432537	0.014993	0.033577	193.5248	361.8392	242.8102	379.4616	391.4573	398.9768
13698	LOC103240	117.6553	0.551821	0.266791	2.068368	0.038605	0.074925	94.32303	114.4091	77.22618	158.481	119.7902	141.7021
21309	LOC119620	14.26569	0.551588	0.663266	0.831625	0.405621	0.506051	15.7205	9.306001	9.740239	15.62489	17.11289	18.08963
4617	FAM214B	2015.754	0.551497	0.111709	4.936908	7.94E-07	4.57E-06	1697.272	1565.598	1648.883	2256.68	2241.788	2684.3
20696	LOC103210	20.592	0.551162	0.597438	0.922543	0.356245	0.457614	20.0572	13.13788	16.00182	33.4819	27.80844	13.06473
11292	TRAPPC2B	156.9606	0.551106	0.215273	2.560032	0.010466	0.024641	134.9795	117.1461	130.7975	189.7308	171.1289	197.981
26588	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26629	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26637	INSL5	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
26647	ASB17	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26650	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26655	LOC103220	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26664	LOC103240	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26674	NMUR2	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26688	LOC119610	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26716	LOC119610	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26734	LOC119610	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
26754	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26773	LOC103230	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26774	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26779	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26800	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26812	LOC119610	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26852	TRNAG-GC	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26856	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26874	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26939	IVL	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26946	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26951	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
26955	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
26978	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26983	LOC103210	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
26985	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27021	TEKT4	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27030	SCGB1A1	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27082	LOC103230	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27097	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27100	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27139	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27144	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27223	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27230	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27239	LOC103210	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27242	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27244	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27246	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27263	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27264	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27276	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27279	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27323	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27324	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27327	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27404	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27433	LOC119620	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27503	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27532	LINC02873	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27574	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27581	LOC103240	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0



27613	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27614	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27632	TRNAQ-UL	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27638	TRNAY-GU	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27663	TRNAA-AG	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27674	MHC-DPA1	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
27675	SMIM40	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27679	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27691	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27694	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27695	DEFB114	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27716	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27726	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27749	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27759	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27770	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27868	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27893	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27901	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27906	LOC10321f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27908	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27911	CUNH10or	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27932	MBL2	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27935	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
27951	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
27954	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28007	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28017	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28029	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28051	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28067	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28188	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28189	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28235	LOC11961f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28238	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28249	LOC11961f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28257	LOC10321f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28264	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28266	LOC11961f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28270	LOC10321f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28288	LOC10322f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28305	TMEM52	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28316	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28320	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28325	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28326	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28327	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28363	LOC11961f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28381	LOC11961f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28423	LOC10323f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28430	LOC10323f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28433	LOC11961f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28440	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28454	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28463	LOC10323f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28474	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28476	LOC10321f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28488	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28495	LOC10321f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28533	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28544	LOC10324f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28561	LOC10323f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28563	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28577	LOC10323f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28581	LOC10323f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28589	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28658	LOC11962f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28667	LOC10322f	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28674	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28678	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28701	LOC10323f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28705	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28712	LOC11962f	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28725	LOC11962f	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0



28730	BRS3	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28734	LOC119622	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28738	LOC119620	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28739	LOC119620	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28744	ARHGAP4	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28764	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28794	TRNAI-UAI	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28796	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28810	LOC103228	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28814	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28820	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28842	TAS2R20	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28851	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28866	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28925	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28927	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
28941	OVOL3	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
28943	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28961	LOC103234	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28973	CCL4L2	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
28977	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29012	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29028	LOC103241	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29039	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29048	KRTAP16-1	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29066	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29072	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29074	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29103	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29104	LOC103241	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29136	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29137	LOC103231	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29140	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29154	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29193	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29194	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29252	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29289	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29290	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29301	LOC103231	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29340	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29351	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29383	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29388	DGKQ	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29397	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29401	LOC103231	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29414	LOC103231	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29423	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29486	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29495	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29517	TRNAK-UU	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29521	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29549	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29554	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29564	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29572	LOC119621	0.090348	0.551076	4.080473	0.135052	0.892571	NA	0.542086	0	0	0	0	0
29583	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29584	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
29588	LOC119621	0.091235	0.551076	4.080473	0.135052	0.892571	NA	0	0.547412	0	0	0	0
29602	LOC119621	0.115955	0.551076	4.080473	0.135052	0.892571	NA	0	0	0.695731	0	0	0
4206	GALNT12	1786.383	0.550722	0.10564	5.213213	1.86E-07	1.17E-06	1495.074	1421.628	1436.685	2091.503	1967.982	2305.423
23617	LOC119628	5.11483	0.550631	1.181133	0.466189	0.64108	0.721616	4.878777	1.094824	6.261582	11.16063	4.278221	3.014938
22743	LOC119625	8.388721	0.550429	0.914891	0.601633	0.547418	0.639894	4.878777	8.758589	6.261582	17.85702	8.556443	4.019918
5890	GALT	1018.257	0.550186	0.130382	4.219788	2.45E-05	0.00011	868.4224	770.7558	845.3136	1171.867	1082.39	1370.792
22220	LOC103231	13.54742	0.550003	0.798422	0.688863	0.490909	0.587346	14.63633	8.211177	10.43597	2.232127	25.66933	20.09959
9785	LOC103241	219.9319	0.54997	0.189153	2.907534	0.003643	0.009897	174.5518	187.7623	171.1499	285.7123	265.2497	235.1652
17166	LOC119618	47.22494	0.549942	0.373458	1.472566	0.140868	0.218163	37.40396	42.69812	34.78657	46.87467	66.31243	55.27387
16947	LOC119626	50.10414	0.549413	0.366347	1.499705	0.133691	0.20972	40.11439	45.98259	35.4823	71.42806	51.33866	56.27885
10147	ZNF784	231.2824	0.549358	0.19436	2.826496	0.004706	0.01233	172.3835	217.8699	173.9328	270.0874	260.9715	292.449
4157	ATP6V1C1	2845.457	0.548798	0.104502	5.251545	1.51E-07	9.65E-07	2313.625	2487.439	2134.504	3218.727	3298.509	3619.936
8838	SAC3D1	370.4055	0.548698	0.173632	3.160111	0.001577	0.004744	323.0835	255.6413	326.298	435.2648	395.7355	486.4101
17111	HCN1	51.53428	0.548691	0.370795	1.479768	0.138935	0.215861	39.03022	52.55153	34.09084	64.73168	53.47777	65.32367
21289	LPAR3	17.49181	0.548681	0.656488	0.835783	0.403277	0.503599	15.17842	10.94824	16.00182	13.39276	36.36488	13.06473
3692	ALDH1A2	3260.684	0.548569	0.09711	5.648924	1.61E-08	1.16E-07	2554.311	2839.972	2553.334	3712.027	3833.286	4071.172



21665	LOC103218	14.22973	0.548074	0.701439	0.781356	0.434593	0.533287	9.215468	17.51718	7.653045	13.39276	23.53022	14.06971
23726	LOC10323	4.162504	0.548028	1.218976	0.44958	0.653013	0.731702	4.878777	2.189647	2.782925	6.696381	6.417332	2.009959
18339	LOC11962	35.43327	0.547813	0.429041	1.276832	0.201662	0.292337	23.8518	29.01283	33.39511	37.94616	49.19955	39.1942
11948	PDGFD	150.3713	0.547689	0.22684	2.414427	0.01576	0.035067	108.4173	129.7366	130.1018	160.7131	173.268	199.9909
17949	LOC10324	38.8199	0.547581	0.40524	1.35125	0.176615	0.261592	29.81475	31.74989	32.69937	55.80317	40.6431	42.20914
17430	LOC11961	399162.5	0.547288	0.384532	1.423258	0.154662	0.235897	213675.3	507061.5	252302.1	471141.7	490789	460005.2
10397	ANKRD23	239.9871	0.547013	0.197706	2.76806	0.005661	0.014474	227.1342	166.4132	191.3261	265.6231	308.0319	281.3943
10440	LOC10322	192.3064	0.546933	0.198373	2.757094	0.005832	0.01485	157.205	168.0554	142.6249	245.534	220.3284	220.0905
5119	SNX33	1177.07	0.546711	0.118337	4.61993	3.84E-06	1.99E-05	993.6443	882.4278	998.3745	1354.901	1315.553	1517.519
6885	LOC10323	518.6186	0.546493	0.14447	3.782734	0.000155	0.000599	410.3594	449.9725	407.6986	589.2815	569.0034	685.396
23260	LOC11962	5.633664	0.546212	1.048365	0.521013	0.602357	0.688464	5.96295	5.474118	2.087194	6.696381	8.556443	5.024897
12637	LOC11962	146.7262	0.546047	0.240244	2.272892	0.023033	0.048455	121.9694	129.1892	105.0554	158.481	213.9111	151.7519
3719	MAP7D1	4959.08	0.545768	0.097083	5.621663	1.89E-08	1.35E-07	3991.382	4001.033	4108.989	6017.814	5319.968	6315.291
22137	WFIKN1	12.73407	0.545767	0.776794	0.702589	0.482312	0.579239	10.84173	6.568942	13.91463	4.464254	23.53022	17.08465
9956	RASSF6	243.5267	0.545755	0.189921	2.873593	0.004058	0.010837	200.572	206.9217	185.0645	261.1589	340.1186	267.3245
5092	TDP2	927.7832	0.545391	0.117705	4.633548	3.59E-06	1.88E-05	704.7123	771.8507	784.785	1162.938	1095.225	1047.189
20072	LOC11962	21.18648	0.545287	0.536163	1.017017	0.309145	0.409457	15.7205	15.87494	20.17621	24.5534	25.66933	25.12449
6244	IL11RA	880.2537	0.545244	0.134517	4.05334	5.05E-05	0.000215	776.8098	622.4072	750.6941	1060.26	966.878	1104.472
7560	APOBR	1180.623	0.5452	0.154106	3.537817	0.000403	0.001419	851.0756	1198.284	829.3118	1392.847	1469.569	1342.653
20779	LOC11962	24.54806	0.545178	0.601131	0.90692	0.364449	0.466282	17.88885	30.65506	10.43597	42.41041	27.80844	18.08963
4887	ZFYVE26	2521.8	0.544818	0.114733	4.748579	2.05E-06	1.11E-05	2093.538	2013.928	2052.408	2984.354	2611.854	3374.721
23044	LOC11962	6.583457	0.544599	0.980894	0.555206	0.578754	0.667686	2.710432	4.926706	8.348776	8.928508	8.556443	6.029877
7203	IER5L	498.2221	0.544352	0.148481	3.666129	0.000246	0.000909	406.5648	379.3564	432.7449	613.8349	517.6648	639.1669
10607	CYBSRL	206.5858	0.544309	0.20013	2.71978	0.006533	0.016373	175.0939	171.3399	160.0182	209.8199	243.8586	279.3843
10061	LOC11962	383.7717	0.544197	0.191035	2.848674	0.00439	0.011601	366.9925	237.0293	332.5596	435.2648	485.5781	445.2059
15726	LOC11962	141.6826	0.544131	0.317588	1.713325	0.086653	0.146488	81.31296	177.9088	86.27069	176.338	160.4333	167.8316
6026	EZR	16388.83	0.544104	0.130995	4.153621	3.27E-05	0.000144	11904.76	16250.47	11850.39	19171.74	18186.72	20968.9
4166	FNTA	1326.508	0.544103	0.103684	5.247718	1.54E-07	9.83E-07	1048.937	1099.203	1086.732	1611.596	1617.168	1495.409
7217	HNFG6	675.5546	0.543917	0.14855	3.661514	0.000251	0.000924	507.9349	637.1874	500.9266	814.7263	859.9225	732.63
18225	LOC11962	35.76014	0.543906	0.419452	1.296706	0.194732	0.284058	32.52518	25.72836	29.22072	37.94616	44.92132	44.2191
13819	LOC10322	147.0826	0.543834	0.265939	2.04496	0.040859	0.078604	147.4475	85.94365	125.2316	200.8914	156.1551	166.8266
19552	FER1L5	28.36772	0.543676	0.498622	1.090356	0.275556	0.374657	23.8518	17.51718	27.13352	37.94616	40.6431	23.11453
7030	TET2	1750.633	0.543471	0.146015	3.722029	0.000198	0.000747	1235.415	1770.33	1269.014	2004.45	2074.937	2149.651
5942	CLCF1	768.3284	0.543094	0.12964	1.92964	2.80E-05	0.000125	584.9112	653.0623	640.7686	946.4218	815.0012	969.8052
21479	LOC11962	14.92212	0.542839	0.672632	0.807037	0.419645	0.519324	9.757555	11.49565	14.61036	20.08914	23.53022	10.04979
20617	LOC10323	21.93854	0.542649	0.581106	0.933821	0.350396	0.451825	17.88885	18.06459	17.39328	13.39276	42.78221	22.10955
7320	CLYBL	379.2354	0.542555	0.149559	3.627697	0.000286	0.001039	294.895	321.8781	308.9047	475.443	432.1004	442.191
6714	PBK	1339.525	0.542356	0.14086	3.850316	0.000118	0.000467	1160.607	883.5227	1228.662	1504.454	1677.063	1582.843
23449	LOC11961	4.788584	0.542328	1.100554	0.492777	0.62217	0.705377	3.794605	3.284471	4.87012	4.464254	4.278221	8.039836
20367	GRIK4	24.72809	0.542147	0.560895	0.966574	0.333757	0.435652	13.55216	21.89647	24.3506	24.5534	49.2132	19.09461
20761	LOC11961	21.95396	0.54196	0.595816	0.90961	0.363028	0.464867	21.68345	15.32753	16.00182	44.64254	14.97377	19.09461
8175	SLC18B1	369.5771	0.541858	0.161544	3.354232	0.000796	0.002588	322.5414	276.9904	306.1218	397.3186	432.1004	482.3901
4045	COX20	1652.403	0.541735	0.10148	5.338315	9.38E-08	6.17E-07	1335.159	1391.521	1306.584	1993.289	2040.712	1847.152
22406	LOC10321	12.1302	0.541669	0.825981	0.655789	0.51196	0.607447	12.46799	7.116354	9.740239	4.464254	29.94755	9.044815
8974	LOC10323	286.5206	0.541252	0.173241	3.124267	0.001782	0.005281	253.1543	216.2277	232.3743	308.0335	346.5359	362.7976
4446	KIAA1671	1398.968	0.541165	0.107274	5.044685	4.54E-07	2.72E-06	1089.594	1196.095	1136.825	1616.06	1591.498	1763.739
2740	PON2	6249.111	0.540481	0.079581	6.791613	1.11E-11	1.08E-10	5080.976	5175.779	5018.31	7448.608	7420.575	7350.42
23545	TRNAS-CG	6.040978	0.540226	1.131854	0.477293	0.633154	0.714903	5.96295	3.284471	5.565851	13.39276	0	8.039836
4910	CITED2	3922.943	0.53998	0.113938	4.739233	2.15E-06	1.16E-05	2874.684	3670.944	3046.608	4761.127	4440.794	4743.503
7572	TKC21A	403.2273	0.539879	0.15274	3.534628	0.000408	0.001434	351.8141	324.0678	312.3834	444.1933	466.3261	520.5794
11642	PKD1L1	155.1559	0.539841	0.217244	2.484956	0.012957	0.029587	126.3061	125.9047	125.9274	176.338	209.6328	166.8266
17727	LOC10322	62.28171	0.539556	0.391021	1.379865	0.167628	0.25139	50.95612	31.74989	68.87741	78.12444	87.70354	56.27885
4236	ZNFX1	2963.496	0.539489	0.103824	5.196197	2.03E-07	1.28E-06	2428.547	2586.521	2236.081	3359.351	3394.769	3775.708
3231	SCPEP1	5425.306	0.539323	0.087952	6.132025	8.68E-10	7.14E-09	4651.101	4301.015	4319.1	6437.454	6184.169	6658.994
22562	LOC10322	8.062487	0.539258	0.854846	0.630825	0.528155	0.62233	6.505036	6.02153	6.957314	11.16063	10.69555	7.034856
4944	TRAK1	3508.396	0.539197	0.114287	4.717899	2.38E-06	1.28E-05	2716.937	3218.781	2649.345	3950.865	3965.911	4548.537
23396	LOC11962	6.617596	0.538978	1.078795	0.499611	0.617349	0.701497	1.626259	2.737059	11.82743	8.928508	8.556443	6.029877
21536	LOC10322	13.16799	0.53868	0.67386	0.799394	0.424062	0.523481	9.757555	12.04306	10.43597	17.85702	12.83466	16.07967
24353	LOC11962	2.392909	0.538464	1.524128	0.353293	0.723869	0.790213	2.710432	1.642235	1.391463	4.464254	2.139111	2.009959
5760	MAP3K1	6000.729	0.538338	0.125328	4.295444	1.74E-05	8.05E-05	4367.048	5850.737	4465.9	7042.361	6751.033	7527.296
24131	LOC10321	3.30093	0.538063	1.396999	0.385156	0.700122	0.771321	3.252518	1.094824	3.478657	6.696381	4.278221	1.004979
24453	GLIPR1L2	2.396459	0.538007	1.594621	0.337388	0.735824	0.799946	0.542086	3.831883	1.391463	4.464254	2.139111	2.009959
4811	MAGT1	7056.811	0.537273	0.111769	4.806999	1.53E-06	8.47E-06	6286.576	4888.935	6099.477	8325.834	8207.768	8532.276
18018	CBLN2	51.62237	0.53707	0.400641	1.340528	0.180074	0.265693	40.65648	36.67659	48.00546	51.33892	89.84265	43.21412
5197	ACOX2	922.261	0.536795	0.117164	4.581582	4.61E-06	2.36E-05	757.2947	735.7215	768.7832	1011.154	1088.807	1171.806
6627	BCOR	2415.202	0.536571	0.137927	3.890244	0.0001	0.000402	1733.05	2396.569	1785.942	2790.159	2710.253	3075.237
23255	LOC10324	5.673887	0.536314	1.028542	0.521431	0.602067	0.68828	5.96295	4.926706	2.782925	8.928508	6.417332	5.024897
5131	CCNE2	747.9063	0.53623	0.116238	4.613196	3.97E-06	2.05E-05	606.0526	606.5323	618.5052	906.2436	872.7572	877.3471
13650	MAN1C1	119.071	0.535754	0.257738	2.078682	0.037647	0.073321	111.6698	84.30142	96.70666	147.3204	117.6511	156.7768
23925	LOC11961	3.872957	0.535745	1.277863	0.419251	0.675033	0.750083						



4634	HOMER3	1621.241	0.534773	0.108523	4.92775	8.32E-07	4.77E-06	1223.489	1421.628	1330.238	1843.737	1897.391	2010.964
9628	ZNF174	281.2492	0.534594	0.180994	2.953661	0.00314	0.008673	228.7604	223.8914	240.0273	290.1765	318.7275	385.9121
8180	ZSCAN2	459.2549	0.534426	0.159407	3.352587	0.000801	0.002602	417.4065	390.852	317.9492	537.9426	515.5257	575.8532
23134	LOC119624	6.587233	0.534367	0.990638	0.539417	0.589599	0.677526	3.252518	7.663765	4.87012	11.16063	8.556443	4.019918
24449	LOC119620	2.669708	0.534053	1.58124	0.337743	0.735557	0.799819	2.168345	3.284471	1.391463	0	2.139111	7.034856
8609	WHRN	324.8717	0.533937	0.165506	3.2261	0.001255	0.003875	288.932	269.3266	236.5487	399.5507	385.0399	369.8324
4683	XRN1	5962.297	0.53388	0.10909	4.893958	9.88E-07	5.61E-06	4525.337	5573.747	4516.688	6794.595	7078.317	7285.096
22676	TRNAG-UC	8.685282	0.533859	0.874572	0.610423	0.541582	0.634821	8.131296	4.379295	8.348776	13.39276	12.83466	5.024897
3812	DIP2C	1549.711	0.533716	0.096527	5.529178	3.22E-08	2.24E-07	1281.492	1267.806	1250.229	1839.273	1803.27	1856.197
6645	AUH	558.4689	0.533391	0.137466	3.880173	0.000104	0.000418	417.4065	480.6276	472.4016	680.7987	618.203	681.3761
4928	ATXN1	2549.146	0.532912	0.112702	4.728495	2.26E-06	1.22E-05	1907.602	2309.53	2037.101	3017.836	2795.818	3226.989
27493	LOC119626	0.632531	0.532848	2.980222	0.178795	0.858099	NA	0.542086	0.547412	0.695731	0	0	2.009959
4441	DIP2B	4606.18	0.532846	0.105537	5.0489	4.44E-07	2.66E-06	3635.231	4112.705	3551.709	5392.819	5033.327	5911.289
4824	STARD8	1154.089	0.532807	0.111088	4.796273	1.62E-06	8.91E-06	948.6511	932.7897	953.152	1325.883	1287.745	1476.315
16806	TRNAI-AAI	87.34645	0.532712	0.34945	1.524427	0.127402	0.201534	78.60252	47.07742	90.44508	75.89232	98.39909	133.6623
15113	LOC103234	76.3536	0.532656	0.294137	1.81091	0.070155	0.123408	60.17159	68.42648	58.44144	98.21359	83.42532	89.44317
4241	ENTPD4	7715.224	0.532089	0.102465	5.192898	2.07E-07	1.30E-06	6091.425	7068.729	5766.222	9024.489	8898.7	9441.782
19803	LOC119628	28.99208	0.53206	0.505329	1.052898	0.292388	0.392523	23.8518	29.56024	16.69755	37.94616	42.78221	73.11453
3716	NGLY1	2916.973	0.531916	0.094526	5.627203	1.83E-08	1.31E-07	2279.473	2542.728	2332.787	3374.976	3550.924	3420.95
8256	ZIK1	326.7999	0.531899	0.159848	3.327537	0.000876	0.002821	285.1374	247.4301	269.9438	381.6937	378.6226	397.9719
9448	TTL11	238.485	0.531755	0.177372	2.997969	0.002718	0.007648	190.8144	206.3743	188.5432	276.7837	275.9453	292.449
4316	PJA2	8477.568	0.531733	0.103381	5.143427	2.70E-07	1.66E-06	6538.646	7815.398	6445.951	9836.984	9790.71	10437.72
21030	RRH	18.48081	0.53171	0.607045	0.875898	0.381086	0.481748	15.7205	18.612	10.43597	20.08914	29.94755	16.07967
5555	FAM126B	1259.742	0.53168	0.121106	4.390213	1.13E-05	5.42E-05	1013.159	1083.875	998.3745	1475.436	1328.388	1659.221
10691	FBXO16	217.7717	0.531543	0.197279	2.694376	0.007052	0.017535	164.2522	202.5424	166.2798	249.9982	282.3626	241.1951
4473	CANX	57762.23	0.531472	0.105717	5.02731	4.97E-07	2.96E-06	44266.77	54134.65	43324.58	66970.51	66825.82	71051.04
8209	SCRIB	3422.881	0.531395	0.158927	3.343644	0.000827	0.002677	3144.643	2097.135	3160.708	4031.221	3535.95	4567.632
22028	LOC103214	14.60722	0.531327	0.737057	0.720875	0.470986	0.568421	5.420864	16.96977	13.2189	11.16063	27.80844	13.06473
17561	LOC103220	54.12404	0.531225	0.377951	1.405538	0.159861	0.242008	37.94605	56.93083	36.87376	64.73168	77.00798	51.25395
13170	CNNM1	130.7024	0.531171	0.244037	2.176597	0.029511	0.05957	98.11763	123.1677	100.881	142.8561	143.3204	175.8714
6933	LOC103225	420.0879	0.53073	0.141028	3.763283	0.000168	0.000643	353.4403	341.585	335.3425	504.4607	496.2737	489.425
6310	NSFL1C	3333.679	0.530689	0.131958	4.021656	5.78E-05	0.000244	2434.51	3286.113	2462.889	3984.347	3668.575	4165.64
20515	LOC119627	22.9924	0.530684	0.562338	0.943709	0.345318	0.447511	23.8518	16.42235	15.30609	26.78552	38.50399	17.08465
23986	TRNAV-AA	3.5927	0.53063	1.296793	0.409186	0.682403	0.756345	1.084173	4.926706	2.782925	4.464254	4.278221	4.019918
21350	LOC103247	16.41171	0.530562	0.643731	0.824198	0.409827	0.510317	10.84173	13.6853	15.30609	15.62489	29.94755	13.06473
23684	LOC119620	4.762812	0.530265	1.162928	0.455974	0.648409	0.727831	3.252518	3.284471	4.87012	4.464254	10.69555	2.009959
21216	NOL4	24.63432	0.530214	0.625156	0.848131	0.396365	0.496671	10.84173	22.9913	25.74206	31.24978	44.92132	12.05975
23781	LOC119627	5.066902	0.529558	1.204167	0.439771	0.660103	0.737935	3.794605	2.737059	5.565851	4.464254	12.83466	1.004979
19985	LOC103238	76.23947	0.529215	0.512995	1.031616	0.302252	0.40207	23.30971	22.44388	18.08902	24.5534	49.2132	24.11951
5856	SMIM19	746.3305	0.529125	0.124728	4.242215	2.21E-05	0.0001	583.2849	590.6573	658.1619	868.2974	928.374	849.2077
16563	CUNH16or	69.70601	0.529055	0.338354	1.563615	0.117908	0.189252	66.13454	41.05589	64.70302	69.19594	87.70354	89.44317
3912	ATXN3	2561.418	0.528946	0.097307	5.435859	5.45E-08	3.71E-07	2115.221	2221.945	1952.918	3098.192	2956.251	3023.983
19917	KANK3	26.64949	0.528632	0.505931	1.044869	0.296083	0.395209	19.51511	20.80165	24.3506	33.4819	40.6431	21.10457
7037	FAHD1	644.0632	0.528227	0.142098	3.717332	0.000201	0.000761	501.4299	598.3211	481.4461	814.7263	718.7412	749.7147
23439	LOC103222	5.649106	0.527996	0.527996	0.493725	0.621501	0.704906	4.878777	3.831883	4.87012	4.464254	12.83466	3.014938
5642	SMIM3	792.5954	0.527948	0.121354	4.350494	1.36E-05	6.40E-05	666.7662	605.9849	676.9466	892.8508	941.2087	971.8151
9558	LOC119625	692.5548	0.527722	0.177657	2.97046	0.002974	0.008271	481.3727	730.7948	487.7077	863.8331	827.8358	763.7844
16440	LOC119628	60.92083	0.527457	0.333425	1.581939	0.113664	0.183804	54.20864	41.6033	53.57132	80.35657	68.45154	67.33362
5073	MMUT	1485.566	0.527345	0.113494	4.646464	3.38E-06	1.77E-05	1169.822	1342.801	1138.912	1808.023	1659.95	1793.888
10267	RESF1	1181.105	0.527151	0.18848	2.796847	0.00516	0.013363	760.0051	1329.116	814.0057	1410.704	1332.666	1440.136
15147	LOC103234	94.42395	0.527099	0.291815	1.80628	0.070875	0.124394	66.67662	98.53413	66.79021	118.3027	102.6773	113.5627
25320	LOC119628	0.886294	0.526927	2.677731	0.196781	0.843999	0.88613	1.626259	0.547412	0	0	2.139111	1.004979
25321	LOC119627	0.886294	0.526927	2.677731	0.196781	0.843999	0.88613	1.626259	0.547412	0	0	2.139111	1.004979
25310	LOC119615	0.901796	0.526656	2.664348	0.197668	0.843305	0.885738	1.626259	0.547412	0	2.232127	0	1.004979
3632	OXR1	5152.736	0.526486	0.092196	5.71048	1.13E-08	8.25E-08	4154.008	4530.38	3983.062	5921.833	6276.151	6050.981
7390	LOC119620	6911.604	0.526027	0.146004	3.602815	0.000315	0.001132	5529.695	5818.988	5604.116	8227.62	6237.647	10001.56
19618	LOC103247	27.58883	0.525967	0.485648	1.083023	0.278798	0.377809	20.0572	24.08612	22.95914	37.94616	36.36488	24.11951
7893	TNFSF12	408.0187	0.525922	0.152712	3.443885	0.000573	0.001931	319.831	367.3133	317.9492	464.2824	464.187	514.5495
4971	ARHGEF17	3193.703	0.525764	0.111799	4.702776	2.57E-06	1.37E-05	2717.479	2508.788	2634.735	3705.331	3349.847	4246.038
5049	SP100	4740.031	0.525681	0.112772	4.661434	3.14E-06	1.65E-05	3573.433	4500.273	3583.712	5524.514	5617.305	5640.95
4485	LSS	8272.527	0.525507	0.104695	5.019407	5.18E-07	3.07E-06	7190.776	6371.326	6791.73	9464.218	8937.204	10879.91
23622	LOC119618	4.768112	0.525482	1.128477	0.465656	0.641462	0.721923	4.878777	2.737059	4.174388	2.232127	8.556443	6.029877
4176	LNx2	2258.617	0.525445	0.100208	5.243518	1.58E-07	1.00E-06	1782.38	1970.135	1806.119	2529	2663.193	2800.878
3674	PLOD1	6570.679	0.525193	0.092541	5.675213	1.39E-08	1.00E-07	5390.507	5508.058	5270.165	7718.695	7185.273	8351.379
29010	LOC119627	0.631644	0.524736	3.306383	0.158704	0.873902	NA	1.084173	0	0.695731	0	0	2.009959
19828	LOC103238	27.25142	0.524702	0.49977	1.049888	0.29377	0.39388	26.56223	16.96977	22.95914	31.24978	40.6431	25.12449
5098	TAF2	5872.915	0.524689	0.113329	4.629778	3.66E-06	1.91E-05	4522.084	5562.251	4367.106	6660.667	6864.406	7260.977
16750	SIGLEC1	94.30081	0.524087	0.341908	1.532829	0.125318	0.1989	73.18166	56.38342	100.881	127.2312	134.764	73.3635
4093	CCAR2	4843.326	0.524083	0.098875	5.300452	1.16E-07	7.50E-07	4024.449	3984.063	3917.663	5591.478	5245.099	6297.201
5616	POLR2A	1092.583	0.523898	0.120034	4.36457	1.27E-05	6.03E-05	917.2101	962.8974				



25303	LOC119626	0.902684	0.523171	2.636943	0.1984	0.842732	0.885395	1.084173	1.094824	0	2.232127	0	1.004979
25304	LOC119626	0.902684	0.523171	2.636943	0.1984	0.842732	0.885395	1.084173	1.094824	0	2.232127	0	1.004979
6869	LZTS3	856.956	0.523064	0.138056	3.788792	0.000151	0.000586	685.1972	798.6738	627.5497	1029.011	921.9567	1079.348
10295	CCDC25	769.4773	0.52296	0.187444	2.789946	0.005272	0.013613	534.4972	847.9409	511.3626	901.7793	919.8176	901.4666
6864	PRDX3	7823.134	0.52292	0.13793	3.791205	0.00015	0.000581	7177.766	4948.603	7137.508	9325.827	8791.745	9557.355
6125	THBS3	1648.792	0.522832	0.127318	4.106509	4.02E-05	0.000174	1488.569	1189.526	1386.593	1828.112	1833.218	2166.736
4805	PNPLA3	1481.448	0.522704	0.108663	4.810324	1.51E-06	8.34E-06	1222.405	1208.685	1222.4	1665.167	1653.533	1916.496
21599	LOC10324	24.87164	0.522678	0.661124	0.790589	0.429184	0.528258	10.29964	39.96106	10.43597	26.78552	40.6431	21.10457
20674	LOC10322	22.13535	0.522396	0.564556	0.925323	0.354798	0.45624	14.09425	26.27577	13.91463	22.32127	32.08666	24.11951
21060	LOC11961	19.97637	0.522322	0.599401	0.871406	0.383532	0.48415	17.88885	15.32753	16.00182	11.16063	36.36488	23.11453
4310	CUNH8orf	1889.866	0.522166	0.101395	5.149815	2.61E-07	1.61E-06	1611.623	1466.516	1579.31	2252.216	2107.024	2322.508
9303	LOC11962	428.1075	0.5221	0.172227	3.031458	0.002434	0.006955	339.8882	408.9166	308.209	455.3539	483.439	572.8383
5534	LSG1	1568.889	0.522047	0.118685	4.398578	1.09E-05	5.23E-05	1262.519	1442.978	1160.48	1816.951	1779.74	1950.665
4929	PACS1	1059.867	0.521958	0.110397	4.728	2.27E-06	1.22E-05	877.6378	840.8245	895.4063	1229.902	1197.902	1317.528
14423	SEC31B	96.0482	0.521516	0.2689	1.939443	0.052447	0.096673	80.22878	82.65918	72.35606	122.767	119.7902	98.48799
22690	LOC11962	10.70349	0.521476	0.855596	0.609488	0.542201	0.63522	7.047123	12.04306	6.957314	4.464254	25.66933	8.039836
22951	C1QTNF12	6.924537	0.521294	0.912984	0.570978	0.568014	0.657952	5.420864	5.474118	6.261582	8.928508	6.417332	9.044815
23864	LOC10323	3.911404	0.521019	1.216949	0.428135	0.668553	0.744782	2.168345	3.831883	3.478657	6.696381	4.782221	3.014938
11068	HOXD3	196.9063	0.52075	0.199386	2.611771	0.009007	0.021634	154.4946	180.6459	150.9737	229.9091	218.1893	247.2249
4276	TET3	1970.718	0.520741	0.100682	5.172135	2.31E-07	1.44E-06	1607.828	1731.464	1517.39	2334.805	2278.153	2354.667
5402	LOC10324	10013.18	0.520332	0.1166	4.462553	8.10E-06	3.99E-05	7620.65	9619.12	7442.934	11495.45	11343.7	12557.22
13361	LOC10324	153.3913	0.519873	0.243529	2.134752	0.032781	0.065226	158.8313	112.7668	105.7512	183.0344	186.1026	173.8614
25422	LOC11962	0.892151	0.519687	2.924601	0.177695	0.858963	0.898258	0	1.642235	0.695731	0	0	3.014938
12348	ISG20	170.8615	0.519625	0.222596	2.334391	0.019575	0.042145	142.5687	118.7884	160.7139	216.5163	177.5462	209.0357
7957	PPP1R13L	420.7357	0.519576	0.151781	3.423194	0.000619	0.002068	325.2518	368.9556	342.2998	546.8711	455.6306	485.4051
2932	CD63	16380.47	0.519422	0.079806	6.508563	7.59E-11	6.88E-10	13245.34	13944.77	13202.2	19133.79	18854.12	19902.61
19680	LOC11962	28.1845	0.519246	0.483569	1.07378	0.282922	0.382188	22.22554	23.53871	22.95914	33.4819	42.78221	24.11951
4902	KSR1	974.522	0.518983	0.109465	4.741071	2.13E-06	1.15E-05	771.931	822.76	807.7441	1167.402	1148.702	1128.592
5599	POLK	2444.898	0.518687	0.118578	4.374216	1.22E-05	5.79E-05	1884.834	2293.108	1852.037	2676.32	3071.763	2891.326
6762	TRAF5	715.5534	0.518546	0.13534	3.831433	0.000127	0.000501	583.2849	643.2089	536.4089	801.3336	924.0958	804.9886
7869	SDF2L1	462.9864	0.518449	0.150287	3.449721	0.000561	0.001896	401.1439	336.1109	406.3071	513.3892	556.1688	564.7985
14651	LOC11962	108.8993	0.518401	0.273304	1.896794	0.057855	0.104981	74.26583	108.3875	84.87923	145.0883	126.2075	114.5677
21861	FAM24B	15.83586	0.518203	0.690475	0.750501	0.452953	0.550812	12.46799	11.49565	14.61036	11.16063	34.22577	11.05477
17659	TMEM8B	57.96254	0.518137	0.371147	1.394829	0.163067	0.245492	61.79785	33.39212	47.30973	66.96381	77.00798	61.30375
6693	TAP2	1082.353	0.517961	0.134228	3.858818	0.000114	0.000453	943.2303	784.9885	946.8904	1238.83	1155.12	1425.061
9409	SFT2D2	418.7279	0.517848	0.172292	3.005645	0.00265	0.007488	374.5817	298.3394	363.8675	426.3363	483.439	565.8034
4790	CAPZA2	13906.83	0.517534	0.107389	4.819254	1.44E-06	8.00E-06	11696.06	10030.77	12587.17	16533.36	17262.62	15330.96
6678	RRBP1	5667.765	0.517388	0.133833	3.865918	0.000111	0.000441	4089.5	5694.725	4204.305	6618.256	6265.455	7134.349
8900	PPCDC	617.4078	0.517357	0.164507	3.14489	0.001661	0.004963	552.9281	448.3303	527.3644	683.0309	622.4812	870.3122
23846	LOC10324	5.146612	0.517201	1.200267	0.430905	0.666537	0.743097	2.710432	6.02153	4.174388	8.928508	0	9.044815
17591	LOC10323	54.22106	0.516892	0.368867	1.401295	0.161126	0.24309	33.60935	53.64636	46.614	73.66019	53.47777	64.31869
21550	LOC11961	15.62369	0.516884	0.648848	0.796618	0.425673	0.525128	10.84173	17.51718	9.740239	22.32127	19.252	14.06971
20621	NOXRED1	24.37132	0.516487	0.553582	0.93299	0.350825	0.452283	14.63633	19.70683	25.04633	31.24978	38.50399	17.08465
4569	TANC1	2980.538	0.516457	0.104121	4.960138	7.04E-07	4.10E-06	2433.426	2641.809	2286.869	3334.798	3407.603	3778.723
24951	LOC11962	1.504412	0.516417	2.029396	0.254468	0.799134	0.851468	0.542086	0.547412	2.782925	0	2.139111	3.014938
4110	HEXA	4858.207	0.516378	0.097686	5.286131	1.25E-07	8.08E-07	4180.028	3906.331	3913.489	5571.389	5337.081	6240.923
4196	CPSF1	8421.625	0.516277	0.09888	5.221244	1.78E-07	1.13E-06	7136.567	6502.705	7159.076	9807.966	9116.89	10806.54
14869	LOC10322	117.0533	0.516201	0.277606	1.859476	0.06296	0.112569	123.5957	85.94365	78.61764	127.2312	158.2942	128.6374
4088	RAB1B	3708.264	0.516081	0.09727	5.305673	1.12E-07	7.30E-07	3110.492	3051.273	2999.994	4303.541	4040.78	4743.503
8862	TOR4A	479.7439	0.515953	0.163581	3.154111	0.00161	0.004829	410.9015	332.8264	443.1809	504.4607	586.1163	600.9777
16757	LOC10323	63.53019	0.515847	0.336716	1.531995	0.125524	0.199147	55.29281	41.05589	61.22436	75.89232	66.31243	81.40334
7415	RNASE4	686.9897	0.515798	0.143488	3.594702	0.000325	0.001164	604.9684	479.5327	612.2436	845.9761	772.219	806.9985
6829	CKAP2	4509.347	0.515591	0.135411	3.807608	0.00014	0.000546	3207.525	4586.216	3341.598	5339.248	5294.299	5287.197
5744	DST	102006.2	0.515369	0.119799	4.301954	1.69E-05	7.84E-05	76116.52	99567.64	76252.16	115358.6	115661.7	129080.6
5913	LOC10323	43476.12	0.515345	0.122543	4.205417	2.61E-05	0.000117	38684.91	28873.78	39818.79	52274.4	51404.97	49826.88
8474	PUS3	826.8495	0.515317	0.158023	3.261015	0.00111	0.003482	612.0155	841.9194	586.5015	997.7608	988.2691	934.6309
17651	NFKBID	57.37554	0.515077	0.368853	1.396429	0.162585	0.244864	63.96619	38.31883	38.96096	66.96381	72.72976	63.31371
26696	LOC11961	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
27359	LOC10324	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
27540	LOC10324	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
27794	LOC10322	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
28841	TAS2R19	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
28967	LOC11962	0.603932	0.51493	3.824945	0.134624	0.892909	NA	0	0	1.391463	2.232127	0	0
26698	IL4	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
26949	LOC11962	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
27049	LOC10323	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
27427	LOC11962	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
27455	LOC11962	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
27584	LOC10324	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
27848	LOC11962	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
28049	LOC11961	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
28942	LGALS7B	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.139111	0
28952	LOC11962	0.588429	0.514863	3.859445	0.133403	0.893874	NA	0	0	1.391463	0	2.13	



6427	RNF168	1548.034	0.514811	0.129714	3.968821	7.22E-05	0.000299	1181.206	1502.645	1140.304	1828.112	1779.74	1856.197
5832	WWP1	2019.107	0.514644	0.12088	4.257488	2.07E-05	9.42E-05	1585.061	1898.424	1506.954	2218.734	2382.969	2522.498
15816	LOC119621	88.04642	0.514258	0.302957	1.69746	0.08961	0.150624	65.05036	87.58589	64.00729	129.4634	87.70354	94.46807
6048	SOS2	2748.681	0.514234	0.124074	4.14458	3.40E-05	0.00015	2073.48	2676.296	2042.667	3191.942	3170.162	3337.537
4017	KANK2	6905.249	0.514231	0.095978	5.357791	8.42E-08	5.58E-07	5454.473	6062.038	5549.849	8229.852	7512.557	8622.724
5706	PLD1	1075.475	0.514215	0.118923	4.323925	1.53E-05	7.14E-05	915.0418	927.3156	817.4844	1270.08	1172.233	1350.692
4894	IGF2R	21986.65	0.513976	0.108312	4.745337	2.08E-06	1.13E-05	17631.9	19568.33	17140.04	24488.67	23767.66	29323.29
14106	LOC103241	110.6302	0.513807	0.257813	1.992942	0.046268	0.087199	88.36008	90.32295	93.228	156.2489	124.0684	111.5527
21029	OVOL1	17.78464	0.513738	0.586423	0.876054	0.381001	0.481664	16.26259	12.59047	15.30609	22.32127	17.11289	23.11453
5622	FAT1	91961.8	0.513725	0.117765	4.362305	1.29E-05	6.08E-05	69075.36	88608.46	69598.18	104729.2	101798.1	117961.5
24686	LOC119621	2.105149	0.513525	1.704292	0.301313	0.763176	0.82187	0.542086	1.094824	3.478657	2.232127	4.278221	1.004979
6303	KLC4	845.152	0.513204	0.12751	4.024831	5.70E-05	0.00024	700.3756	642.1141	750.6941	968.7431	932.6523	1076.333
24873	TRNAW-CC	1.79609	0.512644	1.896526	0.270307	0.786924	0.841146	1.084173	1.094824	2.087194	2.232127	4.278221	0
6003	SCAMP4	2363.822	0.512633	0.123157	4.162429	3.15E-05	0.000139	2053.965	1722.158	2074.671	2631.678	2566.933	3133.526
7254	SUFU	422.0294	0.512583	0.1404	3.650874	0.000261	0.000958	349.1036	344.8694	349.9529	504.4607	481.2999	502.4897
4434	SLC29A1	3321.21	0.512498	0.101382	5.055116	4.30E-07	2.58E-06	2725.068	2761.145	2732.833	3566.939	3843.982	4297.292
9673	GLT8D2	269.4615	0.512454	0.174413	2.938166	0.003302	0.009074	213.582	242.5034	211.5023	301.3371	310.171	337.6731
6498	IGF1R	864.7489	0.512109	0.129944	3.940987	8.11E-05	0.000332	705.2544	695.213	743.0411	1008.921	898.4265	1137.637
22062	PCSK1	12.69683	0.512021	0.716403	0.714711	0.474788	0.572126	10.84173	12.04306	8.348776	22.32127	8.556443	14.06971
21263	LOC103211	17.17797	0.511918	0.609159	0.840369	0.400702	0.500995	13.01007	16.42235	12.52316	26.78552	19.252	15.07469
5709	PLEKHG5	1285.514	0.511633	0.118391	4.321568	1.55E-05	7.21E-05	1076.041	1018.733	1090.907	1450.883	1386.144	1690.375
5786	LOC119611	913.6782	0.5112	0.119396	4.281558	1.86E-05	8.53E-05	775.1835	698.4975	789.6551	1062.492	1024.634	1131.607
7067	ABHD14B	593.4814	0.511057	0.13792	3.705457	0.000211	0.000794	472.1571	500.3344	500.2309	647.3168	660.9852	779.8641
5654	PUF60	7167.833	0.511041	0.117616	4.345011	1.39E-05	6.55E-05	6378.188	5056.443	6304.718	8218.692	7831.284	9217.672
4301	LRP12	2397.377	0.511009	0.099151	5.153848	2.55E-07	1.58E-06	1928.743	2106.441	1899.347	2689.713	2804.374	2955.645
4600	PLEKHA2	1781.05	0.511	0.103386	4.942638	7.71E-07	4.45E-06	1458.754	1538.775	1412.335	2093.735	1963.704	2218.995
23664	LOC119611	4.816193	0.510951	1.110328	0.460181	0.645387	0.725051	4.878777	4.926706	2.087194	6.696381	4.278221	6.029877
4680	MYCBP2	8054.733	0.510806	0.104316	4.89673	9.74E-07	5.54E-06	6309.343	7346.267	6279.671	9075.828	9031.325	10285.96
24429	CTAGE1	3.626533	0.510698	1.501288	0.340173	0.733726	0.798482	1.084173	5.474118	2.087194	6.696381	6.417332	0
18836	ERBB3	40.91823	0.510602	0.420923	1.213053	0.22511	0.317706	28.18849	37.224	34.78657	49.10679	62.03421	34.1693
8223	PPP1R13B	714.1367	0.510573	0.152862	3.340093	0.000838	0.002708	530.1605	708.8983	528.7558	841.5119	802.1665	873.3272
4955	SFXN5	1682.654	0.510535	0.108378	4.710687	2.47E-06	1.32E-05	1440.866	1352.655	1373.374	2055.789	1781.879	2091.362
4125	PLPPR5	2175.205	0.510455	0.096807	5.272931	1.34E-07	8.65E-07	1749.855	1907.73	1724.718	2515.607	2609.715	2543.603
6657	ZBTB47	1094.342	0.510152	0.1317	3.873603	0.000107	0.000428	957.3245	834.803	921.1483	1107.135	1315.553	1430.086
5587	ERAP2	1483.216	0.510089	0.116497	4.378557	1.19E-05	5.68E-05	1135.129	1371.814	1164.654	1669.631	1788.297	1769.769
6319	SYNGR1	1485.516	0.510012	0.12697	4.016782	5.90E-05	0.000248	1308.054	1052.126	1320.498	1636.149	1721.984	1874.287
4499	B2M	33860.27	0.509978	0.101766	5.011273	5.41E-07	3.20E-06	26742.75	26130.7	30934.3	40714	42016.41	36623.46
24473	LOC103211	2.417629	0.509828	1.524753	0.334368	0.738102	0.8018	2.710432	1.094824	2.087194	4.464254	2.139111	2.009959
23323	SMIM33	6.594247	0.509554	0.998365	0.510388	0.60978	0.695035	2.710432	6.568942	6.957314	4.464254	12.83466	6.029877
4763	ITGB1	79497.45	0.509465	0.105344	4.836202	1.32E-06	7.39E-06	61937.16	75044.14	59834.99	91615.42	91295.1	97257.89
6812	SLC46A3	634.2162	0.509035	0.13351	3.812715	0.000137	0.000536	504.6824	575.8772	491.1863	720.977	733.715	778.8591
6163	KBTBD4	1068.763	0.508969	0.124363	4.092589	4.27E-05	0.000184	960.577	816.191	873.8386	1178.563	1208.598	1374.812
14462	LOC119621	99.31219	0.508968	0.263431	1.932074	0.05335	0.098072	91.07051	74.99542	80.00911	107.1421	124.0684	118.5876
5606	FJX1	1484.971	0.508571	0.116364	4.370504	1.24E-05	5.88E-05	1235.957	1207.043	1239.793	1765.612	1535.881	1925.541
15244	VPS37D	116.025	0.508483	0.284197	1.789193	0.073584	0.128327	109.5014	68.97389	108.5341	160.7131	119.7902	128.6374
7053	MAP3K6	724.4446	0.508023	0.136896	3.711008	0.000206	0.000778	591.9583	592.2996	615.7223	754.4589	821.4185	970.8102
16605	LOC119611	76.47076	0.507763	0.326237	1.556425	0.119607	0.191482	60.17159	82.11177	46.614	91.51721	91.98176	86.42823
27122	LOC119621	0.3738	0.50776	4.021111	0.126273	0.899515	NA	0.542086	0	0.695731	0	0	1.004979
27151	LOC119621	0.3738	0.50776	4.021111	0.126273	0.899515	NA	0.542086	0	0.695731	0	0	1.004979
6553	CTR9	3537.313	0.507667	0.129561	3.918366	8.92E-05	0.000362	2705.553	3489.75	2570.727	4031.221	3959.494	4467.134
10016	RSPH3	329.8922	0.507564	0.177634	2.857357	0.004272	0.011339	267.7907	310.9299	240.0273	341.5154	400.0137	419.0764
4772	PIK3R4	4230.997	0.507497	0.105076	4.829787	1.37E-06	7.61E-06	3467.184	3693.935	3326.987	5006.661	4464.324	5426.889
4370	TMF1	5545.538	0.507492	0.099507	5.100083	3.40E-07	2.07E-06	4464.081	5042.758	4233.525	6243.259	6703.973	6585.63
11583	STK32C	181.7576	0.507485	0.203133	2.498296	0.012479	0.028642	165.8784	139.0426	144.7121	220.9806	213.9111	206.0208
5609	HK2	12190.55	0.507439	0.116158	4.368522	1.25E-05	5.93E-05	9136.324	11613.34	9459.859	13886.06	13412.22	15635.47
25203	LOC119621	1.197128	0.507354	2.365757	0.214457	0.83019	0.875679	0	1.642235	1.391463	0	2.139111	2.009959
5635	LMF2	1892.12	0.507158	0.116411	4.35663	1.32E-05	6.23E-05	1604.034	1455.568	1632.186	2363.822	1944.452	2352.657
24430	LOC119621	2.683271	0.507036	1.490798	0.34011	0.733774	0.798501	2.168345	2.189647	2.087194	2.232127	6.417332	1.004979
4097	SDF4	3434.909	0.506892	0.09565	5.299428	1.16E-07	7.54E-07	2880.105	2975.183	2660.477	3979.882	3871.79	4242.018
5248	SLC39A14	13660.49	0.506678	0.111271	4.553544	5.27E-06	2.67E-05	12338.43	10308.31	11217.97	15421.77	14657.19	18019.28
9609	MAML3	520.7098	0.506609	0.17121	2.958991	0.003086	0.008539	371.3292	527.1576	393.784	582.5851	586.1163	663.2864
4087	CLTB	3561.324	0.506591	0.095475	5.305998	1.12E-07	7.29E-07	2829.149	3167.872	2830.931	4270.059	4010.833	4259.103
4886	PREX1	2424.87	0.506513	0.106664	4.748671	2.05E-06	1.11E-05	2060.47	1996.411	1959.18	2832.569	2569.072	3131.516
3580	MORF4L1	8968.019	0.506487	0.087713	5.774343	7.73E-09	5.74E-08	6950.089	7846.601	7430.411	10613.76	10725.5	10241.75
4329	DOP1A	1954.297	0.506416	0.098684	5.131677	2.87E-07	1.76E-06	1610.539	1655.921	1582.093	2225.431	2209.701	2442.1
7747	EME2	972.9736	0.505982	0.145451	3.47872	0.000504	0.001729	869.5065	682.6225	863.4026	1178.563	992.5473	1251.199
11556	SETD1B	228.4401	0.505949	0.202082	2.503681	0.012291	0.028277	162.6259	204.732	200.3706	225.4448	293.0582	284.4092
7369	TSPAN7	628.0982	0.505445	0.140031	3.609529	0.000307	0.001107	492.7565	572.5928	495.3607	691.9594	705.9065	810.0135
6720	ZNF16	956.3415	0.505229	0.131284	3.848366	0.000119	0.00047	865.7119	722.0362	786.8722	995.5286	1167.954	1199.945
7421	DGKH	546.2234	0.505081	0.140626	3.591649	0.000329	0.001177	487.8777	441.2139	427.8748	584.8		



22335	ALOX15	12.35993	0.504766	0.754375	0.669118	0.50342	0.599213	5.420864	13.6853	11.1317	15.62489	19.252	9.044815
16709	GLIS1	70.78221	0.50474	0.327567	1.540873	0.123348	0.196253	67.21871	45.98259	61.92009	73.66019	100.5382	75.37346
22907	LOC119621	8.432193	0.504562	0.871927	0.578674	0.562809	0.65318	4.878777	10.94824	4.87012	11.16063	10.69555	8.039836
23264	LOC119621	6.581277	0.504496	0.969941	0.52013	0.602973	0.689072	5.96295	6.02153	4.174388	4.464254	12.83466	6.029877
4821	ERMP1	2880.795	0.504496	0.105109	4.79972	1.59E-06	8.76E-06	2470.83	2440.909	2240.255	3156.228	3262.144	3714.404
7662	USP20	1949.353	0.504343	0.143846	3.506139	0.000455	0.001578	1745.518	1400.279	1696.193	2254.448	1912.365	2687.315
9935	AAMDC	286.335	0.504284	0.175243	2.877627	0.004007	0.010722	236.3497	218.4173	253.942	332.5869	372.2053	304.5088
8485	TBC1D25	471.696	0.503995	0.15464	3.259143	0.001117	0.003501	355.0666	433.5502	384.0437	560.2639	496.2737	600.9777
21907	LOC103221	15.33852	0.503894	0.677913	0.743302	0.457299	0.55495	13.55216	8.211177	16.00182	13.39276	27.80844	13.06473
16044	TMEM160	85.4883	0.503433	0.303722	1.657544	0.097409	0.161398	81.31296	52.55153	77.92191	107.1421	100.5382	93.46309
10158	SELPLG	298.7568	0.502902	0.178092	2.823836	0.004745	0.012418	234.7234	283.5593	224.7212	334.819	335.8404	378.8773
20309	LOC119621	36.07521	0.5028	0.51457	0.977127	0.328507	0.430023	22.76763	21.89647	45.22254	22.32127	62.03421	42.20914
3942	RAB9A	2533.108	0.502548	0.092854	5.412213	6.23E-08	4.20E-07	2055.049	2035.825	2196.424	3026.764	3003.311	2881.276
28347	LOC119615	0.374687	0.502185	4.017799	0.12499	0.900531	NA	0	0.547412	0.695731	0	0	1.004979
28743	LOC119620	0.374687	0.502185	4.017799	0.12499	0.900531	NA	0	0.547412	0.695731	0	0	1.004979
28920	LOC119621	0.374687	0.502185	4.017799	0.12499	0.900531	NA	0	0.547412	0.695731	0	0	1.004979
28975	LOC119621	0.374687	0.502185	4.017799	0.12499	0.900531	NA	0	0.547412	0.695731	0	0	1.004979
21624	LOC119618	15.14231	0.501855	0.638128	0.786448	0.431605	0.530624	12.46799	10.40082	14.61036	22.32127	14.97377	16.07967
5401	PDLIM4	1822.477	0.501734	0.11243	4.46264	8.10E-06	3.98E-05	1528.141	1503.193	1500.693	2113.824	1910.226	2378.786
24296	LOC119615	3.317118	0.501635	1.382981	0.36272	0.716814	0.784347	3.794605	2.737059	1.391463	6.696381	4.278221	1.004979
6667	SWAP70	2234.664	0.501422	0.129552	3.870443	0.000109	0.000433	1720.582	2199.501	1631.49	2511.143	2609.715	2735.554
10071	SV2A	251.1741	0.501306	0.176162	2.845712	0.004431	0.011697	202.1982	210.2061	210.1109	323.6584	284.5017	276.3694
24053	LOC103238	4.262687	0.501205	1.260296	0.397689	0.69086	0.763585	3.252518	4.926706	2.087194	11.16063	2.139111	2.009959
17652	TPGS1	65.2975	0.500896	0.358692	1.396454	0.162578	0.244864	53.12446	37.77142	70.9646	75.89232	87.70354	66.32864
14629	LOC119620	124.292	0.500836	0.263389	1.901506	0.057236	0.104014	106.2489	96.89189	104.3597	191.9629	117.6511	128.6374
5520	LRP1	12904.38	0.50055	0.113662	4.403841	1.06E-05	5.12E-05	10301.81	10932.91	10838.1	14066.86	13609.02	17677.59
25060	TRNAL-CA1	1.828974	0.499882	2.115725	0.23627	0.813223	0.862711	0	0.547412	4.174388	2.232127	0	4.019918
5722	SH3BP5L	1598.237	0.499854	0.115908	4.31251	1.61E-05	7.50E-05	1403.462	1214.159	1358.763	1886.147	1704.871	2022.019
4313	TSPAN14	3042.886	0.499768	0.097115	5.146137	2.66E-07	1.64E-06	2581.957	2578.31	2407.231	3513.368	3360.543	3815.907
9112	PIPOX	416.3062	0.499714	0.162246	3.079978	0.00207	0.00604	309.5313	401.8003	322.8194	499.9964	481.2999	482.3901
5062	SLC12A4	4699.867	0.49969	0.107375	4.65371	3.26E-06	1.71E-05	4145.334	3575.147	3967.06	5468.711	5014.075	6028.872
14537	GNRH1	101.3362	0.499397	0.260213	1.919185	0.054961	0.100512	88.90216	78.8273	84.1835	131.6955	104.8164	119.5926
6653	TRIM26	1350.029	0.499288	0.128792	3.876695	0.000106	0.000423	1014.786	1288.607	1055.424	1515.614	1527.325	1698.415
15779	LOC119624	87.79107	0.49915	0.292719	1.705218	0.088154	0.14852	83.4813	59.12048	75.83472	89.28508	115.512	103.5129
22165	CDCP1	12.07776	0.498991	0.715448	0.697452	0.48552	0.582339	11.38381	9.853413	8.348776	17.85702	14.97377	10.04979
9652	LOC119618	848.3792	0.498915	0.169355	2.945965	0.003219	0.008868	657.0087	595.0366	860.6197	1051.332	827.8358	1098.443
23736	LOC119615	5.17512	0.498669	1.114385	0.447484	0.654526	0.733088	5.96295	3.284471	3.478657	11.16063	2.139111	5.024897
21623	LOC103221	15.98374	0.498563	0.633897	0.786505	0.431572	0.530608	17.88885	9.853413	11.82743	17.85702	21.39111	17.08465
20652	CHADL	25.86128	0.498316	0.536862	0.928202	0.353303	0.454801	25.47806	16.42235	22.95914	15.62489	38.50399	36.17926
13139	BBOF1	199.8555	0.49822	0.228327	1.182041	0.029106	0.058881	160.9997	188.3097	144.7121	238.8376	282.3626	183.9112
12396	IL15RA	174.0219	0.497893	0.214434	2.321897	0.020239	0.043404	147.9896	154.3701	132.189	200.8914	177.5462	231.1453
20958	LOC119621	22.7718	0.49622	0.561192	0.884224	0.376575	0.477682	17.34676	12.59047	26.43779	33.4819	25.66933	21.10457
5023	PLPBP	1277.766	0.495796	0.106023	4.676311	2.92E-06	1.55E-05	1039.722	1097.561	1046.38	1502.221	1413.952	1566.763
18347	TEX101	44.54569	0.495573	0.388954	1.274118	0.202622	0.293601	37.40396	29.56024	43.83108	58.0353	49.19955	49.24399
21522	GDF6	22.43748	0.495353	0.618565	0.80081	0.423242	0.522808	14.09425	19.15941	21.56767	31.24978	38.50399	10.04979
24071	LOC119624	3.638589	0.494927	1.255338	0.394258	0.693391	0.765809	3.252518	1.642235	4.174388	4.464254	4.278221	4.019918
4631	RPN2	18112.22	0.494709	0.100362	4.929226	8.26E-07	4.74E-06	14502.98	16679.64	13931.32	20890.48	20165.4	22503.5
10653	MMAA	257.0338	0.494636	0.183018	2.702663	0.006879	0.017166	195.1511	234.2923	208.7194	323.6584	308.0319	272.3494
9154	ATP8B1	848.085	0.494614	0.161308	3.066277	0.002167	0.006295	618.5205	875.3115	618.5052	1046.868	911.2611	1018.044
23663	LOC119620	5.400111	0.494285	1.073998	0.460229	0.645352	0.725051	3.794605	5.474118	4.174388	2.232127	10.69555	6.029877
19031	LOC103221	45.07453	0.493373	0.418349	1.179333	0.238266	0.332841	41.19856	29.56024	40.35242	53.57105	70.59065	35.17428
11443	TSPAN4	1288.85	0.493226	0.195158	2.52732	0.011494	0.026703	1321.064	719.2991	1174.395	1464.275	1330.527	1723.54
6271	NBEAL2	1456.042	0.493167	0.122012	4.041947	5.30E-05	0.000225	1227.826	1139.164	1268.318	1602.667	1563.69	1934.585
8911	PANX1	475.7452	0.492907	0.156916	3.141215	0.001682	0.00502	395.181	437.382	353.4315	604.9064	487.7172	575.8532
4221	MICU1	4941.965	0.492895	0.094732	5.203075	1.96E-07	1.23E-06	4244.536	4024.572	4054.722	5618.264	5437.619	6272.077
4106	MKRN1	3095.76	0.492668	0.093108	5.291373	1.21E-07	7.86E-07	2558.106	2669.18	2493.501	3537.921	3488.889	3826.962
9220	SPATA6	332.3217	0.49262	0.16153	3.049719	0.002291	0.006605	275.3799	266.5896	283.8584	412.9435	406.431	348.7279
23230	LOC119620	9.173134	0.492321	0.937911	0.524912	0.599644	0.686248	5.96295	3.284471	13.2189	17.85702	10.69555	4.019918
7523	LOC103221	863.2368	0.492148	0.138594	3.550998	0.000384	0.001356	700.9177	827.1393	624.7668	968.7431	1009.66	1048.194
5307	SGMS2	5948.736	0.492087	0.109017	4.513846	6.37E-06	3.19E-05	4649.475	5541.45	4644.703	6888.344	6462.253	7506.192
23302	LOC103228	6.659048	0.491804	0.957462	0.513653	0.607494	0.693084	4.878777	8.211177	3.478657	8.928508	6.417332	8.039836
6441	UBA7	1726.92	0.491731	0.124038	3.964365	7.36E-05	0.000304	1530.852	1290.25	1490.952	1821.416	1965.843	2262.209
17803	LOC119621	64.20414	0.491583	0.35726	1.375979	0.168828	0.252436	44.45108	61.85754	52.17985	80.35657	94.12087	52.25893
5912	R3HCC1L	1109.668	0.491505	0.116869	4.205602	2.60E-05	0.000117	922.631	931.1475	918.3654	1279.009	1180.789	1426.066
8126	NIPSNAP3	669.2583	0.491372	0.145735	3.371672	0.000747	0.002444	604.4263	474.0586	588.5887	801.3336	823.5576	723.5852
5170	WBP2	3266.878	0.491345	0.106941	4.594559	4.34E-06	2.23E-05	2544.011	2890.334	2719.614	3571.403	3660.018	4215.889
5126	SSR3	8859.024	0.491298	0.106428	4.616241	3.91E-06	2.03E-05	8008.784	6354.356	7732.358	10424.03	10276.29	10358.32
3504	EIF3H	9548.578	0.491268	0.083971	5.850431	4.90E-09	3.72E-08	7791.949	8396.202	7627.303	11189.65	11001.45	11284.91
22207	GPRIN2	28.01019	0.491245	0.7109	0.691019	0.489554	0.586067	15.7205	13.6853	39.65669	26.78552	64.17332	8.039836
6988	CGN	1144.42	0.491185	0.131401	3.738067	0.000185	0.000705	881.4324	1081.686	894.7105	1		



7783	SLC36A1	589.3358	0.489851	0.141168	3.469978	0.000521	0.001778	490.0461	515.1145	468.9229	687.4951	609.6465	764.7894
4299	SERF2	6232.261	0.489805	0.09499	5.156364	2.52E-07	1.56E-06	4897.208	5530.502	5120.583	7700.838	7296.506	6847.93
22304	LOC119621	12.34153	0.489765	0.726132	0.674485	0.500003	0.595973	13.01007	9.306001	8.348776	8.928508	21.39111	13.06473
7800	PFKL	3896.985	0.489758	0.141344	3.465015	0.00053	0.001807	3577.77	2592.542	3559.362	4562.468	4023.667	5066.102
8279	RNASEK	1603.977	0.489509	0.147419	3.320517	0.000899	0.002885	1170.907	1659.205	1171.612	1948.647	1852.47	1821.023
18438	LOC119621	67.38699	0.489474	0.388952	1.258444	0.208231	0.30024	62.88202	50.36189	53.57132	58.0353	126.2075	53.26391
24892	LOC119621	2.683069	0.489204	1.833456	0.268821	0.268821	0.843312	3.252518	3.284471	0	0	8.556443	1.004979
8200	AFG1L	460.0718	0.489079	0.146173	3.345892	0.00082	0.002659	402.7702	344.322	402.1327	515.6213	551.8906	543.6939
5367	FAM102B	1692.611	0.489014	0.109138	4.480676	7.44E-06	3.69E-05	1382.32	1481.844	1366.416	1870.522	1888.835	2165.731
15143	LOC119621	96.22107	0.488509	0.270341	1.807008	0.070761	0.124228	79.14461	84.84883	75.83472	131.6955	96.25998	109.5428
6620	CUNH11or	733.6217	0.488322	0.125438	3.892928	9.90E-05	0.000398	653.2141	588.4677	592.7631	823.6549	832.114	911.5164
10076	MARCHF2	655.1374	0.488259	0.171735	2.843092	0.004468	0.011788	645.6249	448.8777	544.7577	752.2268	660.9852	878.3521
7825	RUNX2	1085.696	0.488114	0.14111	3.459112	0.000542	0.001841	821.2608	1082.781	807.0484	1225.438	1296.301	1281.349
5572	ZNRF3	1038.028	0.487509	0.111191	4.384434	1.16E-05	5.55E-05	867.3382	836.4453	891.9276	1218.741	1144.424	1269.289
17815	LOC103231	61.81075	0.487129	0.354413	1.374466	0.169297	0.252639	39.03022	67.87906	47.30973	71.42806	74.86887	70.34856
10701	KIF9	231.6917	0.487067	0.180943	2.691833	0.007106	0.017654	195.6932	182.2881	199.6749	279.0159	280.2235	253.2548
23658	LOC103231	5.173804	0.487064	1.056402	0.46106	0.644756	0.724526	4.878777	3.284471	4.87012	6.696381	4.278221	7.034856
22580	LOC119621	11.73559	0.48655	0.775539	0.62737	0.530417	0.624496	8.673382	12.59047	8.348776	4.464254	19.252	17.08465
18425	LOC119621	54.40438	0.486369	0.385615	1.261281	0.207208	0.298975	38.48813	43.79295	52.17985	75.89232	74.86887	41.20416
9653	FOXP4	358.1252	0.486368	0.165103	2.94584	0.003221	0.00887	258.5752	324.6152	310.9919	439.729	412.8484	401.9918
19512	LOC103231	46.76216	0.486258	0.442377	1.099192	0.271684	0.370168	44.99317	22.9913	48.00546	55.80317	70.59065	38.18922
18437	SCUBE1	51.94691	0.486248	0.386378	1.258479	0.208219	0.300238	28.73058	49.81448	51.48412	64.73168	55.61688	61.30375
23421	LOC103221	6.04637	0.486155	0.980397	0.495876	0.619982	0.703677	5.420864	4.926706	4.87012	4.464254	8.556443	8.039836
17212	CELSR3	79.05246	0.485974	0.331433	1.466284	0.142571	0.22021	55.29281	67.33165	73.05179	109.3742	106.9555	62.30873
4187	LOC103231	7500.638	0.48593	0.092824	5.234955	1.65E-07	1.05E-06	6146.717	6589.196	6017.381	8366.012	8470.878	9413.643
5080	SAMD4B	2243.239	0.48592	0.104646	4.643473	3.43E-06	1.79E-05	1707.572	2021.044	1880.562	2573.642	2571.211	2705.405
4785	AK4	3200.245	0.485654	0.100721	4.821776	1.42E-06	7.91E-06	2633.456	2738.154	2633.343	3772.295	3386.212	4038.008
12440	CDKN1C	177.8435	0.485552	0.209944	2.312765	0.020736	0.044313	163.168	134.1159	146.7993	191.9629	231.024	199.9909
23694	LOC103221	5.800681	0.485315	1.068433	0.454231	0.649663	0.728931	5.96295	1.642235	6.957314	8.928508	4.278221	7.034856
10911	SLC66A2	296.8387	0.485242	0.183173	2.649095	0.008071	0.019665	268.8748	204.732	269.248	357.1403	327.2839	353.7528
5633	SH2B1	1644.536	0.484997	0.111296	4.357714	1.31E-05	6.20E-05	1456.044	1278.207	1381.723	1921.861	1771.184	2058.198
19189	LOC119621	54.44634	0.484888	0.419558	1.15571	0.2478	0.343309	34.69353	68.97389	32.00364	53.57105	79.14709	58.28881
20295	LOC103231	26.12176	0.484686	0.495352	0.978468	0.327843	0.42947	20.0572	19.70683	25.04633	35.71403	32.08666	24.11951
12917	ETFBKMT	172.1049	0.48447	0.218399	2.18277	0.026536	0.054615	165.8784	122.6202	141.9292	209.8199	190.3808	202.0009
11670	NAGLU	1164.632	0.484427	0.195511	2.477747	0.013221	0.030119	1154.644	671.1269	1090.211	1366.062	1120.894	1584.853
6029	ITPRIPL2	1782.873	0.484325	0.116632	4.152593	3.29E-05	0.000145	1476.101	1655.373	1329.543	2015.611	2025.738	2194.875
18390	LOC103241	65.08008	0.48427	0.382449	1.266233	0.20543	0.296958	39.03022	72.80577	49.39693	89.28508	87.70354	52.25893
9394	ZNF836	364.1942	0.484158	0.160935	3.008409	0.002626	0.007432	278.0903	341.0376	290.8157	437.4969	425.683	412.0416
15960	LOC119621	98.26328	0.484146	0.289282	1.673619	0.094206	0.156922	85.10756	64.04718	98.09812	100.4457	111.2338	130.6473
10261	CDC42EP4	429.5979	0.483873	0.172897	2.798616	0.005132	0.013297	397.8914	312.0247	368.7376	453.1218	459.9088	585.903
4466	GPI	21687.28	0.483699	0.096121	5.032175	4.85E-07	2.89E-06	18356.67	17786.5	18120.32	24997.59	22963.35	27899.24
5861	SFMBT1	1794.152	0.48365	0.114158	4.236662	2.27E-05	0.000103	1427.855	1671.248	1390.071	1970.968	2171.197	2133.571
25243	LOC119621	1.807082	0.483625	2.318683	0.208577	0.834778	0.879158	0	1.642235	2.782925	0	6.417332	0
7009	TRAF3IP2	735.6083	0.483618	0.129666	3.729724	0.000192	0.000727	589.79	678.7906	571.8912	821.4227	883.4527	868.3023
22016	LOC103231	17.09204	0.483611	0.668704	0.723207	0.469553	0.566974	17.88885	11.49565	12.52316	33.4819	17.11289	10.04979
10364	GDF1	254.3552	0.483578	0.17439	2.772974	0.005555	0.014248	197.8615	216.2277	223.3298	292.4086	288.7799	307.5237
19610	LOC119621	43.68319	0.483529	0.446038	1.084053	0.278341	0.377343	27.6464	52.00412	28.52499	53.57105	64.17332	36.17926
5797	CD70	842.3498	0.483012	0.112983	4.275084	1.91E-05	8.76E-05	706.3385	705.6138	695.0356	1017.85	960.4607	968.8002
17128	LOC119611	69.83633	0.482965	0.327032	1.476813	0.139726	0.216874	69.38706	49.81448	54.26705	91.51721	87.70354	66.32864
5274	TEX264	1208.722	0.482867	0.106467	4.535362	5.75E-06	2.90E-05	1018.58	1026.945	982.3727	1386.151	1351.918	1486.365
18152	S1PR5	56.76119	0.482279	0.36747	1.312431	0.189375	0.277354	37.94605	54.19377	48.7012	69.19594	81.28621	49.24399
10682	ILVBL	957.7905	0.482192	0.178868	2.695799	0.007022	0.017476	902.0317	598.8685	900.9721	1037.939	990.4082	1316.523
5441	ER1	996.6405	0.48184	0.108456	4.442732	8.88E-06	4.34E-05	825.5975	855.6047	814.0057	1185.259	1131.59	1167.786
24806	LOC119621	1.814585	0.481779	1.723131	0.279595	0.779788	0.835712	2.168345	1.642235	0.695731	2.232127	2.139111	2.009959
8690	MAST3	448.3044	0.481636	0.150226	3.206081	0.001346	0.004116	336.0935	411.1063	374.9992	504.4607	547.6123	515.5545
19659	FZD9	34.60328	0.481584	0.447225	1.076828	0.281557	0.380751	33.60935	20.25424	32.69937	37.99376	44.92132	38.18922
9002	ACOT13	1071.279	0.481096	0.154401	3.115887	0.001834	0.005416	766.5101	1100.845	814.7014	1169.635	1351.918	1224.065
5621	LMNA	19423.22	0.480653	0.110174	4.362665	1.28E-05	6.08E-05	17450.3	14630.13	16577.89	22191.81	20454.18	25235.03
5837	SPTAN1	23160.3	0.480368	0.112908	4.25451	2.10E-05	9.54E-05	18358.84	21592.66	18073.71	25952.94	24638.28	30345.36
20306	LOC103241	28.92789	0.480321	0.4912	0.977852	0.328148	0.429617	28.73058	23.53871	19.48048	46.87467	27.80844	27.13445
4723	SH3BGR1	1923.214	0.479684	0.098549	4.867447	1.13E-06	6.36E-06	1672.336	1510.857	1637.752	2232.127	2196.867	2289.343
16547	LOC103241	73.63768	0.479645	0.306274	1.566062	0.117334	0.188513	59.08741	66.23683	59.8329	93.74933	68.45154	94.46807
21178	LOC119621	21.30468	0.479579	0.561498	0.854107	0.393046	0.493401	15.7205	14.23271	22.95914	29.01765	27.80844	18.08963
9126	TRIM21	742.8595	0.47902	0.155861	3.073373	0.002117	0.006166	555.0964	755.4283	551.0192	904.0114	819.2794	872.3222
7251	USP12	3466.842	0.478956	0.131163	3.651602	0.000261	0.000955	2595.51	3514.384	2580.468	3910.686	4034.363	4165.64
25394	LOC119621	1.246996	0.478874	2.623654	0.182522	0.855173	0.895252	1.626259	0	1.391463	4.464254	0	0
5839	CTNNB1	38431.37	0.478556	0.112508	4.253524	2.10E-05	9.58E-05	35096.84	28765.94	32489.26	43292.1	40705.14	50238.92
19499	TMEM202	39.75028	0.477742	0.433903	1.101034	0.270882	0.369299	30.89892	38.31883	29.22072	46.87467	62.03421	31.15436
7921	CCDC97	641.0596	0.477489	0.139096	3.432791	0.000597	0.002005	531.7867	591.2048	487.012	698.6557	733.715	803.9836
5845	DNAJC13	7047.017	0.477035	0.112231	4.250478	2.13E-05	9.70E-05	5584.574					



20291	LOC119620	33.39623	0.476653	0.486792	0.979172	0.327495	0.429079	39.5723	19.15941	24.3506	37.94616	49.19955	30.14938
21774	PAD14	18.2923	0.476649	0.623968	0.7639	0.444927	0.543234	16.80468	10.94824	17.39328	29.01765	23.53022	12.05975
9636	KRBOX4	303.1172	0.476412	0.161394	2.951861	0.003159	0.008714	258.0331	247.9776	253.2462	350.4439	374.3444	334.6582
7287	ELF1	1439.985	0.476339	0.130921	3.638357	0.000274	0.001001	1141.092	1369.077	1106.909	1506.686	1659.95	1856.197
21579	LOC119618	18.81467	0.476098	0.601107	0.792036	0.428339	0.527708	13.01007	13.6853	20.87194	13.39276	27.80844	24.11951
11638	LOC103234	307.0779	0.475979	0.191524	2.48522	0.012947	0.029575	226.5921	296.6972	244.8974	421.872	335.8404	316.5685
7686	LOC103246	564.3866	0.47591	0.136087	3.497116	0.00047	0.001627	465.1101	470.2267	484.9248	631.6919	611.7857	722.5802
23741	LOC119615	5.433589	0.475869	1.066256	0.446299	0.655381	0.733881	5.96295	3.284471	4.174388	4.464254	10.69555	4.019918
5044	GLUL	7535.804	0.47558	0.101941	4.665247	3.08E-06	1.62E-05	5928.257	7063.802	5924.153	8761.098	8449.487	9088.029
18877	DHRS12	42.0708	0.475438	0.39387	1.207095	0.227396	0.320248	31.9831	37.224	36.87376	53.57105	38.50399	54.26889
8157	ZBTB34	637.1278	0.47521	0.141292	3.36331	0.00077	0.00251	520.945	572.0453	510.6668	669.6381	712.3239	837.1479
19955	LOC103218	40.40328	0.475179	0.458245	1.036953	0.299758	0.399352	38.48813	29.56024	32.00364	44.64254	70.59065	27.13445
19630	CUNH6orf1	43.52635	0.47501	0.379216	1.080265	0.280024	0.379238	35.7777	28.46541	43.83108	51.33892	70.59065	31.15436
5655	WDR45	1663.917	0.474851	0.109299	4.3445	1.40E-05	6.56E-05	1484.775	1303.388	1392.158	1977.665	1790.436	2035.083
23951	LOC103216	5.170598	0.474777	1.144573	0.414807	0.678283	0.752877	2.168345	8.758589	2.087194	6.696381	4.278221	7.034856
25308	LOC119615	1.192158	0.474764	2.399853	0.197831	0.843178	0.885723	1.084173	1.094824	0.695731	0	4.278221	0
5992	AHNAK	102408	0.474561	0.113865	4.16777	3.08E-05	0.000136	79547.92	95382.13	82222.23	112764.8	109096.8	135434
23057	LOC119624	8.177353	0.474505	0.858663	0.552609	0.580531	0.669363	8.131296	6.568942	5.565851	8.928508	12.83466	7.034856
18055	CUNH16orf	57.41257	0.47431	0.355761	1.333225	0.182458	0.26866	46.07734	55.83601	41.04815	66.96381	81.28621	53.26391
23357	LOC103230	6.701517	0.474218	0.938684	0.505194	0.613422	0.698179	4.336691	4.926706	7.653045	6.696381	8.556443	8.039836
16533	LOC103218	75.4955	0.473786	0.301902	1.56934	0.116569	0.187434	57.46116	62.95236	68.18167	93.74933	96.25998	74.36848
21448	KLHL41	19.11279	0.473772	0.583633	0.811764	0.416927	0.516785	12.46799	18.612	16.69755	17.85702	29.94755	19.09461
11041	PRICKLE3	231.6609	0.473751	0.180899	2.618863	0.008822	0.021243	190.8144	199.8053	191.3261	247.7661	290.9191	269.3345
6621	RAB11FIP5	5367.55	0.47354	0.121658	3.892374	9.93E-05	0.000399	4850.047	3976.947	4662.792	6107.099	5525.323	7083.095
7609	RECQL4	1470.728	0.473395	0.134383	3.522721	0.000427	0.001492	1342.206	1045.557	1310.062	1763.38	1523.047	1840.117
9032	MYD88	509.7162	0.473232	0.152419	3.104814	0.001904	0.005604	364.8241	457.0889	460.5742	582.5851	571.1425	622.0823
7952	CEP70	693.6013	0.473096	0.138161	3.424236	0.000617	0.002061	553.4702	660.1786	529.4516	767.8517	823.5576	827.0981
6611	LOC103234	5158.318	0.472964	0.121312	3.898737	9.67E-05	0.000389	4807.222	3715.284	4442.941	5939.69	5461.15	6583.621
5088	EEF1A2	5985.57	0.472926	0.101935	4.639494	3.49E-06	1.82E-05	5172.046	4749.345	5124.062	7035.664	6254.76	7577.545
22002	LOC103225	15.46937	0.472783	0.650408	0.726902	0.467286	0.564622	16.26259	12.59047	10.43597	11.16063	19.252	23.11453
20923	LOC119624	26.84171	0.472765	0.532773	0.887366	0.374882	0.476306	21.68345	20.25424	24.3506	40.17829	38.50399	16.07967
4652	STX3	3561.73	0.472366	0.096082	4.916304	8.82E-07	5.04E-06	2887.694	3219.329	2846.237	3982.115	4164.848	4270.158
22851	TPO	10.61155	0.472195	0.806751	0.585304	0.558343	0.649629	9.215468	12.04306	4.87012	13.39276	17.11289	7.034856
5400	MCPH1	1218.251	0.472176	0.105778	4.463854	8.05E-06	3.96E-05	1021.833	1070.19	969.8495	1415.169	1405.396	1427.071
5964	GYS1	1463.177	0.472021	0.112904	4.18073	2.91E-05	0.00013	1202.348	1309.409	1170.22	1660.702	1587.22	1849.162
5535	MANEAL	1459.678	0.471932	0.107327	4.397151	1.10E-05	5.27E-05	1276.071	1179.125	1218.226	1654.006	1608.611	1822.028
5175	CRIM1	17152.26	0.471463	0.10268	4.591585	4.40E-06	2.26E-05	14210.25	15565.65	13352.48	19475.31	18428.44	21881.42
18155	LOC119620	63.9789	0.470877	0.358961	1.311777	0.189595	0.277631	48.24569	64.04718	48.7012	49.10679	98.39909	75.37346
8429	ABHD16A	1643.243	0.470416	0.14366	3.274509	0.001058	0.003338	1581.808	1138.617	1416.509	1881.683	1711.289	2129.551
5550	DAPK1	2881.746	0.470209	0.107059	4.392039	1.12E-05	5.38E-05	2425.294	2443.099	2387.75	3136.138	3129.519	3768.673
5981	BCL10	1464.206	0.470144	0.112708	4.171365	3.03E-05	0.000135	1160.065	1340.064	1186.222	1645.078	1642.837	1810.973
5128	LAMC1	17552.42	0.470083	0.10187	4.614524	3.94E-06	2.04E-05	14144.12	16103.76	13911.15	19758.79	19102.26	22294.46
24502	LOC119625	3.606164	0.469875	1.421475	0.330554	0.740981	0.803975	2.168345	3.284471	3.478657	0	10.69555	2.009959
7623	SNX27	1298.943	0.46982	0.133503	3.51916	0.000433	0.00151	1010.449	1278.754	980.2855	1433.026	1495.238	1595.907
5658	PSME4	6231.311	0.469732	0.108154	4.343158	1.40E-05	6.60E-05	4972.558	5857.306	4851.335	7031.2	6853.711	7821.755
5326	GJB3	1945.436	0.469444	0.104185	4.50585	6.61E-06	3.30E-05	1611.623	1648.257	1640.535	2238.823	2079.216	2454.16
24223	LOC103234	5.51884	0.469393	1.266403	0.37065	0.710898	0.780218	3.794605	2.737059	6.957314	8.928508	10.69555	0
9370	PKDCC	1361.879	0.469116	0.155642	3.014059	0.002578	0.007313	1347.627	930.6001	1152.827	1546.864	1390.422	1802.933
15739	LOC119618	95.61828	0.469052	0.27402	1.711742	0.086944	0.146859	78.60252	87.03848	76.53045	98.21359	102.6773	130.6473
6040	ORC4	2393.736	0.469047	0.113103	4.14707	3.37E-05	0.000148	2126.063	1746.791	2150.506	2756.677	2874.965	2707.415
21176	LOC103230	23.48376	0.46868	0.548569	0.854369	0.3929	0.493259	11.9259	24.63353	22.2634	29.01765	29.94755	23.11453
20443	LOC103245	25.57268	0.468614	0.490444	0.955488	0.339331	0.441281	22.76763	22.9913	18.78475	26.78552	29.94755	32.15934
15110	DDX60	105.0523	0.468449	0.258606	1.811443	0.070072	0.123287	95.94929	90.32295	77.22618	122.767	130.4858	113.5627
7376	FCHSD2	938.2052	0.468388	0.129808	3.608307	0.000308	0.001111	754.5842	894.4709	713.1247	1046.868	1101.642	1118.542
14638	HORMAD2	123.0676	0.46836	0.246597	1.899296	0.057526	0.104476	100.8281	96.89189	110.6213	167.4095	139.0422	123.6125
8078	TMEM144	559.0926	0.468248	0.138135	3.389773	0.0007	0.002302	479.7464	429.7183	496.0565	689.7272	650.2896	609.0176
11868	RAB32	1113.391	0.468231	0.192461	2.432868	0.01498	0.033553	1143.26	619.6702	1040.814	1209.813	1341.222	1325.568
6656	LOC103215	2399.637	0.467901	0.120774	3.874202	0.000107	0.000427	2160.756	1826.713	2060.061	2732.123	2485.647	3132.521
5918	PARP14	3787.272	0.467706	0.111296	4.202348	2.64E-05	0.000119	2997.738	3637.004	2901.896	4397.29	4280.36	4509.343
11917	DHDH	329.8617	0.467677	0.193169	2.42108	0.015474	0.034521	306.8209	232.65	294.2944	379.4616	318.7275	447.2159
7184	IMPDH1	1154.897	0.467663	0.127401	3.670804	0.000242	0.000895	1047.853	851.7728	1010.898	1374.99	1227.85	1416.016
22696	LOC119624	13.18773	0.467659	0.76825	0.608733	0.542701	0.635694	8.673382	16.96977	6.957314	26.78552	10.69555	9.044815
16510	LOC103248	106.7652	0.467115	0.296875	1.573436	0.115618	0.186172	99.74389	84.84883	82.79203	100.4457	173.268	99.49297
13323	ZNFS5	154.1467	0.466933	0.217822	2.143642	0.032062	0.063992	121.9694	142.8745	123.8402	165.1774	186.1026	184.9162
22595	LOC103235	14.25408	0.466494	0.745956	0.625364	0.531732	0.625629	9.757555	10.40082	15.30609	8.928508	32.08666	9.044815
21945	RGCC	16.44079	0.466463	0.632981	0.73693	0.461165	0.558652	13.01007	19.15941	9.044508	20.08914	19.252	18.08963
11216	LOC103238	295.4631	0.466449	0.180954	2.577718	0.009946	0.023572	224.9658	291.7705	227.5042	345.9797	335.8404	346.7179
20458	LOC119618	28.66256	0.466438	0.489612	0.952669	0.340758	0.442812	29.81475	16.42235	25.74206	33.4819	36.36488	30.14938
21729	LOC103245	17.8996	0.466351	0.602856	0.773357	0.439185	0.537334	15.7205	15.32753	13.91463	13.39276	29.94755	19.09461
25236	FAM167B	1.545522	0.466104	2.224209	0.209559	0.834012	0.878559	0	0				



7324	LZTR1	2071.556	0.464878	0.128204	3.626082	0.000288	0.001045	1882.124	1504.288	1840.905	2171.86	2350.883	2679.275
20665	DHFR2	28.26626	0.464837	0.501533	0.926833	0.354013	0.455429	23.8518	22.9913	23.65487	26.78552	49.19955	23.11453
7781	LOC103234	629.2384	0.464721	0.133918	3.470198	0.00052	0.001777	550.7598	507.9982	530.843	729.9055	660.9852	794.9388
15967	TSTD3	114.7131	0.464517	0.277874	1.671683	0.094587	0.157487	93.23886	113.3142	80.70484	167.4095	124.0684	109.5428
9468	NFKBIE	888.3928	0.464411	0.155118	2.993921	0.002754	0.007734	836.4393	608.7219	798.6996	964.2789	960.4607	1161.756
8345	MFSD5	741.233	0.464142	0.140718	3.298376	0.000972	0.003098	659.7191	557.2652	656.0747	852.6725	767.9407	953.7255
15721	LOC119621	110.4239	0.464123	0.27064	1.714908	0.086362	0.146043	83.4813	110.5772	82.79203	131.6955	145.4595	108.5378
7758	PLGRKT	1890.165	0.463791	0.133415	3.476303	0.000508	0.001742	1662.037	1294.629	1810.293	2220.966	2205.423	2147.641
20025	AIFM3	40.99829	0.46359	0.453053	1.023259	0.306185	0.406489	28.73058	22.9913	51.48412	49.10679	53.47777	40.19918
14399	CCDC13	126.7217	0.463561	0.238545	1.943288	0.051981	0.095974	104.0806	118.7884	96.70666	156.2489	134.764	149.7419
21664	LOC119624	19.21981	0.463469	0.593112	0.781419	0.434556	0.533266	16.26259	21.34906	10.43597	26.78552	21.39111	19.09461
21072	LOC10321	25.37681	0.463423	0.532861	0.869688	0.384471	0.485059	24.39389	24.08612	16.00182	33.4819	17.11289	37.18424
15889	CMPK2	109.7601	0.463404	0.274816	1.686238	0.09175	0.153513	111.6698	76.09024	90.44508	113.8385	119.7902	146.727
22077	TMEM249	18.09776	0.463092	0.649644	0.71284	0.475945	0.57313	12.46799	10.94824	21.56767	29.01765	23.53022	11.05477
6595	SOGA1	1490.402	0.46309	0.118625	3.903822	9.47E-05	0.000382	1209.937	1356.486	1197.354	1732.131	1555.133	1891.371
9892	BRI3	2845.895	0.462952	0.160404	2.886169	0.0039	0.010481	2843.785	1761.024	2577.685	3178.549	3080.319	3634.006
5257	ANXA11	4217.501	0.462817	0.101744	4.548838	5.39E-06	2.73E-05	3450.38	3711.452	3482.136	5084.785	4374.481	5201.774
24658	TRNAM-C2	2.777016	0.4628	1.510146	0.30646	0.759254	0.818556	1.626259	0.547412	4.87012	4.464254	2.139111	3.014938
15847	LOC103214	142.1033	0.462756	0.273545	1.691698	0.090703	0.152165	93.78094	133.5685	128.7103	189.7308	188.2417	118.5876
8612	LOC119621	1488.529	0.462746	0.143454	3.225743	0.001256	0.003879	1482.606	1048.294	1222.4	1669.631	1895.252	1612.992
7458	PDP2	979.5152	0.462579	0.129241	3.579202	0.000345	0.001229	806.6245	923.4837	742.3454	1053.564	1172.233	1178.841
16336	LOC119621	98.19968	0.462455	0.289287	1.598604	0.109909	0.178864	71.01331	103.4608	72.35606	109.3742	130.4858	102.5079
6253	CALR	28223.21	0.462234	0.114133	4.049974	5.12E-05	0.000218	22276.5	27643.2	21303.29	31990.84	31323	34802.44
8483	ASMTL	717.4961	0.462181	0.141799	3.259404	0.001116	0.003499	591.4162	611.459	613.6351	743.2983	774.3581	970.8102
19209	LOC103231	69.6135	0.462157	0.401244	1.151811	0.249399	0.345164	59.08741	47.07742	67.48594	120.5349	81.28621	42.20914
22587	LOC103231	11.6097	0.462151	0.738112	0.626126	0.531232	0.625245	13.55216	8.758589	6.957314	15.62489	10.69555	14.06971
21138	LOC119621	36.19334	0.461572	0.536834	0.859804	0.389897	0.490369	29.27266	23.53871	37.56949	78.12444	23.53022	25.12449
20488	LOC103221	27.5771	0.461547	0.486346	0.949009	0.342616	0.444575	22.22554	19.15941	28.52499	35.71403	25.66933	34.1693
9719	CLMN	540.0079	0.461455	0.157762	2.925007	0.003444	0.009422	439.09	531.5369	392.3925	654.0132	581.8381	641.1769
5025	ZSWIM8	5152.152	0.461426	0.098698	4.675144	2.94E-06	1.55E-05	4317.718	4330.575	4365.019	5707.549	5570.244	6621.81
18967	LOC119611	657920.7	0.461351	0.38743	1.190799	0.233732	0.32761	354745.1	885162.2	420928.6	764369.6	790795	731523.6
21967	HOXA11	15.5347	0.461304	0.629036	0.73335	0.463345	0.560751	11.9259	13.13788	13.91463	15.62489	23.53022	15.07469
9298	SH3BP2	479.3207	0.46116	0.152067	3.032604	0.002425	0.006932	385.9655	416.5804	410.4815	578.1209	472.7435	612.0325
6610	ATP7A	1347.023	0.46106	0.118255	3.898871	9.66E-05	0.000389	1110.735	1256.31	1034.553	1595.971	1469.569	1615.003
13060	ANKRD9	157.9617	0.460907	0.210009	2.1947	0.028185	0.057374	128.4745	129.7366	141.2335	178.5702	181.8244	187.9312
21974	LOC103211	19.69795	0.460677	0.629482	0.731836	0.464269	0.56169	17.34676	20.25424	11.82743	11.16063	38.50399	19.09461
24822	MTNR1A	2.440929	0.46065	1.66117	0.277305	0.781546	0.836998	1.626259	2.189647	2.087194	4.464254	4.278221	0
8021	PPP1R2	4021.365	0.460408	0.135162	3.406352	0.000658	0.002182	2911.546	4139.528	3101.57	4830.323	4742.408	4402.815
8092	CARMIL1	3228.325	0.460336	0.13608	3.382826	0.000717	0.002357	2458.362	3311.841	2383.576	3816.937	3471.777	3927.46
25172	LOC103231	2.393001	0.460181	2.108097	0.218292	0.827201	0.873601	0	4.926706	1.391463	0	0	0.039836
10150	LOC103211	299.9874	0.460023	0.162804	2.825624	0.004719	0.01236	252.6122	262.2103	244.2017	341.5154	331.5622	367.8225
8252	MTUS1	895.7471	0.459959	0.138163	3.329099	0.000871	0.002807	671.1029	879.6908	712.4289	1002.225	1041.747	1067.288
7510	MOSPD3	595.0171	0.459922	0.129368	3.555136	0.000378	0.001337	470.531	514.5671	516.9284	716.5128	680.2372	671.3263
4996	TXNL1	4505.253	0.459896	0.098057	4.690079	2.73E-06	1.45E-05	3597.827	4123.653	3653.981	5287.909	5422.646	4945.504
22847	LOC103241	11.91774	0.459894	0.785248	0.585667	0.5581	0.64941	7.589209	12.04306	9.740239	17.85702	19.252	5.024897
9635	STARD10	496.932	0.459891	0.155785	2.952087	0.003156	0.008709	447.7633	372.7874	436.2236	620.5313	496.2737	608.0126
10708	CHMP4B	2729.141	0.459823	0.17097	2.689494	0.007156	0.017765	1906.518	3101.635	1885.432	3111.585	3114.545	3255.129
7423	UBXN2B	2191.913	0.459771	0.128035	3.59098	0.000329	0.00118	1677.215	2197.311	1662.102	2526.768	2511.316	2576.767
3979	LOC103241	4363.197	0.459518	0.085264	5.389378	7.07E-08	4.72E-07	3656.915	3819.84	3544.751	5095.946	5024.771	5036.957
9168	DNAJB9	542.7662	0.459493	0.150044	3.062385	0.002196	0.006367	479.7464	392.4943	498.8394	669.6381	596.8119	619.0674
24981	LOC119621	1.829659	0.459091	1.843294	0.24906	0.803314	0.854894	0.542086	2.189647	2.087194	0	2.139111	4.019918
5646	PLXNB2	21743.1	0.459036	0.105542	4.349296	1.37E-05	6.43E-05	18849.43	17010.82	19086	24698.49	22655.32	28158.52
5741	SRPRB	3336.337	0.45852	0.106501	4.305303	1.67E-05	7.72E-05	2997.196	2533.969	2905.374	3705.331	3730.609	4145.54
10525	ZNF266	364.7996	0.45829	0.167335	2.73876	0.006167	0.015579	330.1306	262.7577	329.7767	395.0865	444.935	426.1113
14976	LOC119621	115.6268	0.458156	0.24918	1.838656	0.065966	0.117097	100.286	99.08154	93.228	111.6063	151.8769	137.6822
23747	LOC119611	8.774606	0.45798	1.029411	0.444895	0.656395	0.734841	13.01007	3.284471	5.565851	2.232127	23.53022	5.024897
5591	ERF	1760.884	0.457942	0.104633	4.376668	1.21E-05	5.73E-05	1383.404	1568.882	1499.997	2107.128	1931.617	2074.278
6296	HERC1	6342.365	0.457741	0.11363	4.028335	5.62E-05	0.000237	5175.299	6001.823	4861.075	7136.11	6793.815	8086.065
24496	TRNAA-CG	3.07843	0.457493	1.37962	0.331608	0.740185	0.803308	1.084173	3.284471	3.478657	4.464254	2.139111	4.019918
23917	LOC119621	5.542836	0.457229	1.087334	0.420505	0.674117	0.749316	5.420864	1.642235	6.957314	8.928508	4.278221	6.029877
12614	PXMP4	405.6233	0.457174	0.200534	2.279775	0.022621	0.047676	392.4705	246.8827	388.2181	446.4254	449.2132	510.5296
9083	POMGNT2	700.1942	0.457103	0.147992	3.088703	0.00201	0.005884	611.4734	549.054	615.7223	754.4589	718.7412	951.7156
24145	LOC119611	5.224652	0.457099	1.191324	0.38369	0.701208	0.772073	3.252518	5.474118	4.87012	6.696381	0	11.05477
24792	LOC103211	2.794519	0.456714	1.615653	0.282681	0.777422	0.833646	3.252518	2.189647	1.391463	8.928508	0	1.004979
6682	PLD3	5066.816	0.456697	0.118184	3.864287	0.000111	0.000443	4568.704	3797.943	4453.377	5899.512	5168.091	6513.272
12944	LOC103221	430.6121	0.456387	0.206095	2.21445	0.026798	0.055039	444.5108	272.0637	375.6949	459.8182	440.6568	590.9279
5834	ZCHC24	2356.844	0.456251	0.107195	4.256277	2.08E-05	9.47E-05	2008.972	2006.812	1951.526	2729.891	2445.003	2998.859
9626	SHPK	429.799	0.456247	0.154471	2.953612	0.003141	0.008673	398.4335	345.4169	345.7785	488.8358	455.6306	544.6989
6993	LRRCA8A	1470.639	0.45587	0.122018	3.736082	0.000187	0.000711	1207.226	1361.413	1154.218	1776.773	1510.212	1813.988
6415	BPHL	885.4282	0.455779	0.114704	3.97353	7.08E-05	0.000293	774.6414	739.5534	727.0393	1049.1		



16504	TRNAK-CU	80.46345	0.454964	0.288927	1.574664	0.115334	0.185782	60.17159	70.06871	73.05179	91.51721	100.5382	87.43321
8713	PTPRA	8492.674	0.454944	0.14222	3.198869	0.00138	0.00421	6205.805	9078.825	6209.402	9520.022	9857.022	10084.97
9221	PRR12	534.5661	0.454765	0.149133	3.049385	0.002293	0.006611	412.5277	489.9336	454.3126	587.0494	571.1425	692.4309
18860	LOC103232	48.76907	0.454711	0.375527	1.210863	0.225948	0.318496	46.61943	36.12918	41.04815	64.73168	42.78221	61.30375
16956	MBOAT7	89.50454	0.4547	0.303429	1.498536	0.133994	0.210087	76.43418	57.47824	91.83654	111.6063	111.2338	88.43819
12702	P3H3	318.12	0.454592	0.201301	2.258273	0.023929	0.050082	291.1004	201.995	313.7748	352.6761	357.2315	391.942
21161	LOC119628	22.89303	0.454445	0.530489	0.856653	0.391637	0.492028	22.76763	18.612	16.00182	26.78552	32.08666	21.10457
12240	LOC103231	196.3488	0.454441	0.192649	2.358911	0.018329	0.039809	166.9626	165.8658	163.4969	247.7661	213.9111	220.0905
24695	CRYGD	3.379631	0.454427	1.514269	0.300096	0.764104	0.822583	0.542086	0.547412	7.653045	2.232127	4.278221	5.024897
17263	LOC103221	76.49349	0.45441	0.311943	1.456709	0.145197	0.223614	55.8349	78.8273	59.8329	84.82083	79.14709	100.4979
8174	CCDC106	627.6161	0.454279	0.135427	3.354434	0.000795	0.002587	553.4702	485.5543	553.1064	700.8879	688.7936	783.884
4982	ATP6AP2	7176.412	0.453707	0.096591	4.697215	2.64E-06	1.41E-05	6460.585	5494.372	6219.838	8211.995	8040.917	8630.764
19420	LOC119615	58.74454	0.453705	0.406921	1.11497	0.264863	0.362584	65.05036	31.20247	51.48412	62.49956	91.98176	50.24897
13148	LOC103235	176.8389	0.453607	0.207956	2.181263	0.029164	0.058969	148.5317	137.9478	162.8011	183.0344	209.6328	219.0855
8203	LOC103247	493.9938	0.453308	0.135512	3.345155	0.000822	0.002665	428.2482	423.6967	397.9583	595.9779	558.3079	559.7736
4626	CTBP2	5569.827	0.453186	0.091893	4.931666	8.15E-07	4.69E-06	4809.39	4741.134	4561.911	6191.92	6169.195	6945.413
21172	HTRA3	22.65541	0.453148	0.530129	0.854788	0.392668	0.493061	23.30971	14.78012	19.48048	24.5534	25.66933	28.13943
4481	HACD3	6102.29	0.453141	0.090226	5.022313	5.11E-07	3.03E-06	5321.662	5027.978	5110.843	7006.647	6633.382	7513.227
5319	LEPROTL1	1450.199	0.453125	0.100472	4.509953	6.48E-06	3.24E-05	1180.122	1267.806	1224.487	1714.274	1649.254	1665.251
6417	HMGCL	2873.056	0.453096	0.114037	3.973224	7.09E-05	0.000294	2623.156	2106.441	2550.551	3243.281	3206.527	3508.383
5452	TMED3	2969.62	0.453059	0.10208	4.438293	9.07E-06	4.42E-05	2682.243	2288.729	2552.638	3482.118	3266.422	3545.568
6561	ZBTB1	1476.015	0.452682	0.115607	3.915691	9.01E-05	0.000365	1239.209	1379.478	1118.736	1691.952	1743.375	1683.341
25553	LOC119628	0.915096	0.452571	2.87812	0.157245	0.875052	0.910363	1.084173	0	1.391463	0	0	3.014938
22823	LOC119625	11.96376	0.452554	0.767587	0.589581	0.555472	0.647123	15.7205	4.926706	9.740239	15.62489	10.69555	15.07469
6673	FZD3	777.8337	0.452527	0.116998	3.867815	0.00011	0.000437	644.5407	687.5492	637.9857	908.4757	892.0091	896.4417
7080	UBA5	1654.437	0.452437	0.122189	3.702766	0.000213	0.000801	1334.617	1604.464	1253.012	1852.665	1908.087	1973.78
22958	MLC1	10.45282	0.452314	0.793702	0.569879	0.568759	0.658614	8.673382	10.40082	6.957314	20.08914	8.556443	8.039836
9281	KBTBD3	422.4995	0.452196	0.148891	3.037098	0.002389	0.006842	365.3662	328.4471	374.9992	495.5322	513.3866	457.2657
17201	LOC103235	75.37831	0.452024	0.307967	1.467769	0.142167	0.219732	74.26583	51.45671	65.39875	89.28508	83.42532	88.43819
25247	LOC119625	1.547523	0.451959	2.173933	0.207899	0.835308	0.879576	1.626259	2.189647	0	4.464254	0	1.004979
17586	CTRL	68.24075	0.451879	0.322139	1.402744	0.160693	0.242922	53.12446	65.68942	52.87558	82.5887	89.84265	65.32367
23933	ST6GALNA	6.439487	0.451839	1.080782	0.418067	0.675898	0.750763	4.336691	6.568942	4.87012	11.16063	10.69555	1.004979
5581	FAM160B1	1799.374	0.451821	0.10314	4.380641	1.18E-05	5.64E-05	1602.949	1528.374	1431.119	2026.771	2017.181	2189.85
7381	ZNF160	1671.257	0.451219	0.125101	3.606833	0.00031	0.001116	1332.273	1628.55	1232.14	1935.254	1884.556	1971.77
20993	LOC103235	29.51372	0.4511	0.512696	0.879858	0.378936	0.47989	24.93597	23.53871	25.04633	49.10679	36.36488	18.08963
23105	TRNASTOP	10.31834	0.450914	0.830315	0.543063	0.587086	0.675511	11.38381	7.663765	6.957314	4.464254	21.39111	10.04979
12034	FBXO6	404.9102	0.450665	0.187738	2.400497	0.016373	0.03617	406.5648	263.8525	357.6059	444.1933	457.7697	499.4748
24390	TRNAN-GL	4.580229	0.450558	1.294066	0.348172	0.727711	0.793202	2.168345	7.663765	1.391463	6.696381	8.556443	1.004979
19135	COL20A1	67.33625	0.450427	0.38707	1.163682	0.244553	0.339767	60.17159	32.2973	77.92191	89.28508	77.00798	67.33362
21633	SSPN	27.11699	0.450004	0.573692	0.784462	0.332769	0.531834	22.76763	19.70683	25.74206	15.62489	57.75599	21.10457
8030	VAMP3	5024.732	0.450027	0.132212	3.403826	0.000664	0.0022	3695.945	5135.27	3913.489	5593.71	5533.879	6276.097
7992	UBP1	7495.238	0.449815	0.131718	3.414974	0.000638	0.002122	5594.873	7737.666	5677.864	8368.244	8366.062	9226.717
7551	ADAM9	10982.11	0.449805	0.127019	3.541246	0.000398	0.001402	8478.231	11265.74	8108.053	12667.32	12261.38	13111.97
25474	LOC119628	0.911013	0.449721	2.661222	0.16899	0.865804	0.903529	1.626259	0	0.695731	0	2.139111	1.004979
25475	LOC119625	0.911013	0.449721	2.661222	0.16899	0.865804	0.903529	1.626259	0	0.695731	0	2.139111	1.004979
7393	LOC103247	788.4636	0.449291	0.124748	3.601584	0.000316	0.001137	643.9986	720.3939	637.2899	921.8684	853.5052	953.7255
7889	COMMD9	1253.313	0.449178	0.13039	3.444887	0.000571	0.001925	1181.206	937.7164	1063.773	1453.115	1311.275	1572.793
7193	GLB1L	654.3256	0.449133	0.122426	3.668612	0.000244	0.000901	560.5173	557.2652	542.6705	723.2091	776.4972	765.7944
9172	OPHN1	414.1776	0.448937	0.146606	3.062195	0.002197	0.006369	348.5615	373.3349	329.7767	462.0503	474.8826	496.4599
9820	VPS36	689.2549	0.448913	0.154771	2.900492	0.003726	0.010087	514.44	696.3078	539.8875	756.691	767.9407	860.2624
6804	EIF2AK3	1779.816	0.448758	0.117596	3.816088	0.000136	0.00053	1457.128	1705.188	1353.893	2053.557	1993.651	2115.482
13508	LOC103248	502.9392	0.448681	0.213059	2.105907	0.035212	0.069301	569.7328	305.4558	399.3498	575.8888	639.5941	527.6142
19403	LOC103222	42.59066	0.448489	0.401553	1.116889	0.264042	0.361654	31.44101	39.41365	36.17803	53.57105	57.75599	37.18424
24201	LOC103235	5.200855	0.44817	1.199086	0.37376	0.708583	0.778384	9.215468	3.284471	0.695731	6.696381	4.278221	7.034856
6650	POP1	1093.38	0.448147	0.11555	3.878375	0.000105	0.00042	949.7353	965.6344	862.0112	1247.759	1191.485	1343.658
18960	LOC119625	60.25264	0.448112	0.375439	1.193567	0.232647	0.326221	59.08741	35.03436	59.13717	51.33892	85.56443	71.35354
6569	TBC1D22B	1298.221	0.447894	0.114485	3.912244	9.14E-05	0.00037	1084.173	1184.052	1029.682	1477.668	1411.813	1601.937
9536	RIPOR1	762.366	0.447847	0.150534	2.97505	0.002929	0.008167	559.9752	770.7558	605.2863	870.5295	847.0878	920.5612
14549	LOC103245	152.4206	0.447657	0.233573	1.916556	0.055294	0.101038	134.4374	109.4824	143.3207	198.6593	149.7377	178.8863
7517	PPP1R12B	835.9925	0.447591	0.125965	3.553289	0.00038	0.001346	653.2141	761.9972	704.7759	941.9576	1037.469	916.5413
3862	RAB1A	7124.093	0.447587	0.081609	5.484511	4.15E-08	2.85E-07	5907.657	6238.305	5939.459	8095.925	8158.568	8404.643
21757	LOC103245	19.29709	0.447562	0.583153	0.767486	0.442793	0.541051	12.46799	22.44388	13.91463	22.32127	23.53022	21.10457
6877	STEAP2	2555.064	0.447224	0.118096	3.786949	0.000153	0.00059	2007.346	2502.219	1977.964	2899.533	2894.217	3049.108
5373	HECTD2	1923.622	0.44713	0.099842	4.478396	7.52E-06	3.72E-05	1567.714	1730.369	1587.659	2209.806	2149.806	2296.378
7606	MAP1S	1123.081	0.447098	0.126891	3.523485	0.000426	0.001489	978.4659	867.1003	1009.506	1337.044	1144.424	1401.946
25569	PAGE4	0.916871	0.447097	2.876715	0.155419	0.876491	0.911319	0	1.094824	1.391463	0	0	3.014938
25089	LOC103245	1.54144	0.44692	1.923986	0.232288	0.816314	0.864998	0.542086	0.547412	2.782925	2.232127	2.139111	1.004979
19200	LOC103227	50.7441	0.446888	0.387556	1.153092	0.248873	0.344598	52.58238	39.96106	35.4823	78.12444	47.06043	51.25395
6227	LOC103226	3061.865	0.446832	0.109937	4.06442	4.82E-05	0.000206	2680.617	2289.824	2801.71	3553.546	3704.94	3340.552
11599	CHST12	339.2873	0.446731	0.179057	2.494912	0.012599	0.028877	300.8579	267.6844	293.5986	453.121		



5937	PPM1D	3320.84	0.446247	0.106473	4.191196	2.77E-05	0.000124	2658.392	3157.471	2618.733	3845.955	3722.053	3922.435
7646	LOC103225	1353.67	0.446174	0.127098	3.510478	0.000447	0.001555	1054.358	1315.978	1065.165	1537.935	1664.228	1484.355
15144	FAM43B	122.8333	0.446078	0.246865	1.806971	0.070767	0.12423	113.8381	106.1979	91.83654	158.481	121.9293	144.717
20758	LOC119615	25.45786	0.445902	0.489853	0.910278	0.362676	0.464483	20.59928	20.25424	23.65487	29.01765	32.08666	27.13445
12866	IRX3	241.7788	0.445714	0.200279	2.225464	0.02605	0.053827	178.8885	245.2405	190.6304	256.6946	288.7799	290.4391
7482	DENND6B	1533.294	0.445543	0.124818	3.569551	0.000358	0.001271	1351.421	1167.082	1381.027	1810.255	1559.412	1930.566
7351	RANB5B	5104.488	0.445499	0.123203	3.615964	0.000299	0.001082	3984.335	5120.49	3864.788	5805.762	5606.609	6244.942
7368	CNNM2	804.9877	0.44541	0.12339	3.609785	0.000306	0.001106	675.9817	727.5103	644.2472	892.8508	898.4265	990.9098
25385	TRNAT-AG	0.911901	0.445329	2.426125	0.183556	0.854362	0.89475	1.084173	0.547412	0.695731	0	2.139111	1.004979
10619	KMT5C	370.4011	0.445271	0.163984	2.715333	0.006621	0.016576	333.3831	274.2533	335.3425	395.0865	432.1004	452.2408
5516	CORO1B	3879.659	0.445145	0.101055	4.404998	1.06E-05	5.10E-05	3453.09	3081.929	3326.987	4533.45	4102.814	4779.682
10660	KBTBD7	302.9046	0.445079	0.164769	2.701222	0.006909	0.017229	266.7065	249.0724	253.2462	381.6937	323.0057	343.703
7644	ST6GALNA	2104.937	0.445017	0.126743	3.511186	0.000446	0.001552	2070.77	1557.387	1815.163	2381.679	2359.439	2661.186
8684	ZNF691	521.8496	0.444977	0.138716	3.207836	0.001337	0.004094	407.1069	476.2483	443.1809	613.8349	579.699	611.0275
6794	NPHP3	1397.731	0.444818	0.116458	3.819549	0.000134	0.000523	1185.543	1295.176	1069.339	1700.881	1546.577	1588.873
8562	SRRT	4049.068	0.444561	0.137281	3.23833	0.001202	0.003733	2926.724	4195.364	3170.448	4580.325	4408.707	5012.838
20682	LOC119621	31.91201	0.444525	0.480975	0.924216	0.355374	0.456782	35.23561	16.96977	29.22072	33.4819	36.36488	40.19918
22198	CUNH4orf1	16.88945	0.444429	0.641898	0.692151	0.488842	0.585452	8.131296	16.42235	18.08902	20.08914	23.53022	15.07469
8820	HIC2	652.187	0.444289	0.140266	3.167484	0.001538	0.004635	578.4062	495.9551	587.1973	714.2806	710.1847	827.0981
10523	MPV17	1141.987	0.444142	0.162137	2.739297	0.006157	0.015555	842.4022	1225.655	832.0947	1330.348	1405.396	1216.025
8376	PPP2R2A	1422.589	0.444121	0.134958	3.290804	0.000999	0.003171	1037.553	1396.995	1182.048	1508.918	1749.793	1660.226
22861	LOC119615	14.44121	0.443795	0.759538	0.584296	0.559021	0.650085	10.84173	4.379295	21.56767	13.39276	21.39111	15.07469
10073	CUNH8orf3	663.3893	0.443619	0.155914	2.845283	0.004437	0.011711	615.8101	459.2785	609.4607	810.2621	785.0536	700.4707
21628	LOC103241	21.80369	0.443195	0.563821	0.786056	0.431835	0.530808	13.01007	22.9913	20.17621	20.08914	21.39111	33.16432
20207	LOC119621	46.23536	0.443072	0.444951	0.995778	0.319358	0.420158	59.6295	26.27577	31.30791	44.64254	66.31243	49.24399
22835	LOC103231	11.41568	0.442946	0.753655	0.587731	0.556713	0.648134	8.131296	11.49565	9.740239	15.62489	6.417332	17.08465
8898	MIF	6837.187	0.442664	0.140743	3.145198	0.00166	0.004959	5755.331	4662.306	6970.533	8707.527	7514.696	7412.729
25396	GPR32	0.912789	0.442607	2.425672	0.182468	0.855216	0.895256	0.542086	1.094824	0.695731	0	2.139111	1.004979
4113	SCP2	4657.766	0.44258	0.083747	5.284757	1.26E-07	8.14E-07	3953.978	4042.089	3851.569	5225.409	5437.619	5435.934
22678	LOC119621	12.30319	0.442558	0.724924	0.610488	0.541538	0.634821	11.9259	11.49565	8.348776	13.39276	8.556443	20.09959
25388	LOC119624	0.928291	0.442531	2.415083	0.183237	0.854612	0.894884	0.542086	1.094824	0.695731	2.232127	0	1.004979
25389	LOC103216	0.928291	0.442531	2.415083	0.183237	0.854612	0.894884	0.542086	1.094824	0.695731	2.232127	0	1.004979
7660	LOC103234	761.1852	0.442403	0.126175	3.506274	0.000454	0.001577	654.2982	593.3944	690.8613	832.5834	883.4527	912.5214
18406	TRNAH-GU	91.39963	0.442379	0.350003	1.263931	0.206255	0.297908	99.74389	43.79295	89.05362	118.3027	91.98176	105.5228
21180	LOC119621	26.40369	0.442295	0.518271	0.853405	0.393435	0.493837	29.81475	18.612	19.48048	26.78552	23.53022	40.19918
4338	LDHA	25279.08	0.442294	0.08627	5.126866	2.95E-07	1.81E-06	20641.02	23145.67	20515.03	29042.2	29271.59	29058.98
4353	H2AFY	11303.06	0.442134	0.08649	5.111962	3.19E-07	1.95E-06	9223.6	10180.76	9349.238	13412.85	12530.91	13121.01
5902	MAGED1	4874.992	0.442098	0.105008	4.210121	2.55E-05	0.000115	4054.264	4325.101	4029.676	5285.677	5242.96	6312.276
21874	FRMD1	22.49877	0.442051	0.590269	0.748896	0.45392	0.551689	15.17842	21.34906	21.56767	29.01765	10.69555	37.18424
10442	LOC103233	322.5663	0.441992	0.160334	2.7567	0.005839	0.014865	295.4371	260.0206	264.3779	381.6937	370.0661	363.8026
24003	TBX6	6.084451	0.441424	1.086585	0.406249	0.68456	0.758181	6.505036	4.379295	4.174388	4.464254	14.97377	2.009959
7175	MYO9A	6728.397	0.441348	0.120155	3.673154	0.00024	0.000888	5233.844	6749.04	5140.063	7412.894	7741.442	8093.1
21231	SLC27A3	24.37751	0.440638	0.520571	0.846452	0.397301	0.497492	17.34676	20.80165	23.65487	37.94616	21.39111	25.12449
20326	ANKRD34A	36.51552	0.440538	0.452169	0.974277	0.329919	0.431511	22.76763	36.67659	32.69937	40.17829	55.61688	31.15436
23014	LOC119615	9.505939	0.440504	0.786372	0.560173	0.575362	0.664654	8.131296	8.211177	7.653045	11.16063	12.83466	9.044815
8929	PLPP6	701.2379	0.440463	0.140377	3.137709	0.001703	0.005069	526.3659	681.5277	576.7613	805.7978	815.0012	801.9736
4345	RANBP6	3315.49	0.4404	0.085974	5.122447	3.02E-07	1.85E-06	2866.553	2744.175	2830.931	3792.384	3777.669	3881.231
15614	LOC119624	258.4532	0.440143	0.254803	1.727389	0.084098	0.143097	254.7806	148.896	257.4206	265.6231	248.1368	375.8623
20829	LOC119624	30.57583	0.440078	0.488671	0.90056	0.367822	0.469457	24.39389	27.37059	25.74206	22.32127	53.47777	30.14938
23718	LOC119621	7.358474	0.439846	0.97378	0.451689	0.651493	0.730245	8.673382	2.737059	6.957314	8.928508	12.83466	4.019918
7760	HNF1B	8485.496	0.439838	0.126545	3.475742	0.000509	0.001745	6372.767	8691.805	6542.658	9705.288	9343.635	10256.82
25395	TRNAT-UG	1.231493	0.439798	2.409659	0.182515	0.855179	0.895252	1.626259	0	1.391463	2.232127	2.139111	0
17162	LOC119621	233.5294	0.439757	0.298602	1.472721	0.140826	0.218149	271.5853	114.4091	210.8066	247.7661	213.9111	342.698
11515	ZBTB7A	1240.638	0.439722	0.175133	2.510794	0.012046	0.027811	865.7119	1401.374	891.9276	1381.687	1443.9	1459.23
6780	SLC4A2	7534.39	0.43932	0.114855	3.825013	0.000131	0.000513	6790.174	5683.777	6719.374	8830.294	7666.573	9516.151
14652	SDSL	228.5739	0.439215	0.23156	1.896762	0.057859	0.104982	210.8716	141.7797	230.9828	276.7837	224.6066	286.4191
21782	LOC103215	20.36371	0.43917	0.576049	0.762384	0.445831	0.544138	15.17842	15.87494	20.17621	33.4819	21.39111	16.07967
6383	CDK5	1284.035	0.439104	0.110161	3.986035	6.72E-05	0.00028	1119.408	1030.776	1124.302	1448.65	1403.257	1577.818
12832	MYOZ1	191.4366	0.43901	0.196575	2.233299	0.025529	0.052891	162.6259	174.6244	149.5822	220.9806	226.7457	214.0606
6137	ACAA2	3327.773	0.438554	0.106919	4.101758	4.10E-05	0.000178	2655.681	3184.295	2638.213	3785.687	3788.365	3914.395
7456	CAMTA2	1198.396	0.438538	0.122517	3.579403	0.000344	0.001228	931.8465	1151.754	969.8495	1339.276	1394.7	1402.951
12461	RELL2	231.6089	0.438121	0.189805	2.308269	0.020984	0.044769	219.0029	177.3614	194.8048	270.0874	245.9977	282.3992
24688	LOC119621	3.096926	0.438077	1.454331	0.301222	0.763245	0.821892	2.168345	3.831883	2.087194	4.464254	0	6.029877
9131	SMARCC2	5240.874	0.437976	0.142543	3.072589	0.002122	0.006179	3706.245	5575.389	4073.507	6062.457	5743.512	6284.137
5010	OCIAD2	3163.299	0.437956	0.093546	4.681718	2.84E-06	1.51E-05	2768.435	2631.956	2655.607	3874.972	3593.706	3455.119
25314	LOC119624	1.52505	0.437783	2.217547	0.197418	0.843501	0.885852	1.084173	0	2.782925	0	4.278221	1.004979
23605	CPED1	6.736567	0.43769	0.935977	0.467629	0.64005	0.720841	6.505036	4.926706	5.565851	6.696381	10.69555	6.029877
19795	LOC119615	41.78323	0.437608	0.415229	1.053895	0.291931	0.392028	28.73058	37.224	39.65669	46.87467	62.03421	36.17926
5166	USP38	2905.389	0.437193	0.09514	4.595268	4.32E-06	2.22E-05	2451.857	2601.848	2353.659	3176.317	3407.603	3441.05
7366	ERVH48-1	13277.29	0.437039	0.									



7503	MAPK6	3891.311	0.436693	0.122682	3.559569	0.000371	0.001316	2984.728	3913.994	3022.257	4274.523	4577.697	4574.667
7723	LOC119618	5673.95	0.436143	0.125143	3.485158	0.000492	0.001693	5431.163	3961.072	5078.839	6508.882	6175.612	6888.129
5046	FZD6	2812.213	0.43606	0.093532	4.662153	3.13E-06	1.65E-05	2358.618	2289.276	2523.418	3160.692	3343.43	3197.845
13645	SLX1A	336.529	0.435974	0.209543	2.080588	0.037472	0.073007	331.7569	216.2277	313.0791	328.1227	380.7617	449.2258
6413	ANK2	11364.73	0.435961	0.109691	3.974441	7.05E-05	0.000292	9068.021	10994.22	8922.755	12906.16	12282.77	14014.44
19809	ZNF165	37.84638	0.435752	0.414366	1.05161	0.292978	0.393197	36.31979	32.2973	28.52499	40.17829	38.50399	51.25395
9088	MAP3K11	1464.588	0.435744	0.141184	3.086348	0.002026	0.005928	1770.394	1043.914	1325.368	1667.399	1493.099	1887.351
4300	DSTN	11146.53	0.435689	0.084523	5.154646	2.54E-07	1.57E-06	9029.533	9939.356	9456.381	13196.33	12823.97	12433.61
12638	LOC103217	196.6831	0.435475	0.191601	2.272827	0.023037	0.048459	166.9626	158.202	176.7158	223.2127	228.8848	226.1204
7091	UBQLN2	1113.662	0.435283	0.117617	3.700849	0.000215	0.000806	934.5569	1007.238	901.6679	1305.794	1167.954	1364.762
20054	LOC119620	50.99363	0.435233	0.426776	1.019816	0.307816	0.408077	66.67662	28.46541	34.78657	53.57105	64.17332	58.28881
5965	CCNL1	3430.352	0.435227	0.104114	4.18029	2.91E-05	0.00013	2705.553	3173.894	2875.458	3825.866	3773.391	4227.949
25035	TRNAG-GC	1.823802	0.43407	1.810609	0.239737	0.810534	0.860717	2.168345	1.094824	1.391463	0	4.278221	2.009959
23548	FAM221B	7.408992	0.433819	0.910039	0.476704	0.633573	0.715285	4.336691	6.02153	8.348776	11.16063	8.556443	6.029877
8062	RAB24	1674.517	0.433692	0.127722	3.395587	0.000685	0.002258	1499.953	1278.207	1502.084	1854.898	1724.123	2187.84
24628	LOC119623	3.67377	0.433341	1.392375	0.311224	0.75563	0.815674	0.542086	3.831883	4.87012	2.232127	8.556443	2.009959
8860	CHEK2	675.35	0.43308	0.137292	3.154439	0.001608	0.004825	630.4464	507.9982	587.1973	783.4766	737.9932	804.9886
7290	HCF2	1125.256	0.433046	0.119059	3.637245	0.000276	0.001005	877.6378	1053.22	939.9331	1305.794	1334.805	1240.145
9374	SPRY4	467.5305	0.432839	0.143638	3.013413	0.002583	0.007325	383.2551	435.1924	375.6949	517.8535	545.4732	547.7138
5824	BRK1	3750.178	0.432597	0.101523	4.261083	2.03E-05	9.29E-05	3201.562	3043.062	3325.596	4506.664	4534.915	3889.271
9400	LOC119615	2025.308	0.432515	0.143821	3.007316	0.002636	0.007454	1879.413	1364.15	1932.046	2258.913	2179.754	2537.573
13755	LOC103234	192.2039	0.432511	0.210266	2.056968	0.039689	0.07671	140.9425	191.5941	157.931	223.2127	222.4675	217.0756
11354	SPIRE2	564.5605	0.432122	0.169668	2.546866	0.01087	0.025451	544.7968	411.6537	489.7949	611.6028	564.7252	764.7894
7900	JMJD1C	6413.502	0.432121	0.125667	3.438631	0.000585	0.001967	4957.922	6578.795	4844.378	7205.306	7270.837	7623.774
19510	LHX6	57.5508	0.431989	0.392804	1.099757	0.271438	0.369857	40.11439	62.95236	42.43961	64.73168	89.84265	45.22408
12372	LOC119624	4119.426	0.431978	0.185577	2.327757	0.019925	0.042815	3654.204	2355.513	4514.601	4928.536	4141.318	5122.38
6223	DPYD	5605.32	0.43188	0.106236	4.06531	4.80E-05	0.000205	5149.278	4403.381	4771.326	6087.01	6115.717	7105.205
16647	DNAH3	107.1312	0.431796	0.278748	1.549053	0.121369	0.193825	95.4072	88.1333	87.66215	151.7846	128.3466	91.45313
7441	MED25	1318.379	0.431675	0.120412	3.584985	0.000337	0.001204	1115.072	1086.612	1170.916	1551.328	1324.11	1662.236
24609	CHAD	3.651154	0.431406	1.369432	0.315025	0.752742	0.813206	2.168345	4.379295	2.782925	0	8.556443	4.019918
10419	KRBA1	1083.629	0.431054	0.156084	2.761668	0.005751	0.014673	1005.028	730.7948	1036.64	1225.438	1123.033	1380.842
20102	TRIM46	44.35772	0.431013	0.425878	1.012058	0.311511	0.41194	42.28274	25.72836	44.52681	49.10679	66.31243	38.18922
7685	S100A6	46603.47	0.431007	0.123243	3.497217	0.00047	0.001626	42398.74	32080.52	44599.86	54613.5	54686.36	51241.89
12118	CNBD2	248.8911	0.430813	0.18084	2.382285	0.017206	0.037746	219.0029	191.0467	226.8084	294.6408	267.3888	294.459
6152	VPS11	2268.619	0.430731	0.10518	4.09517	4.22E-05	0.000182	1954.221	2027.613	1820.033	2553.553	2434.308	2821.982
6343	DUSP16	1604.216	0.430534	0.107398	4.008779	6.10E-05	0.000256	1329.738	1470.348	1302.409	1828.112	1754.071	1940.615
6820	BCR	1019.428	0.430387	0.112968	3.809824	0.000139	0.000542	883.0587	869.29	857.141	1120.528	1127.311	1259.239
22401	LOC103225	17.89336	0.430238	0.6553	0.656551	0.51147	0.607001	24.39389	9.853413	11.82743	22.32127	12.83466	26.12947
20270	LOC119623	33.83507	0.430047	0.436868	0.984387	0.324925	0.426174	28.73058	33.93953	23.65487	35.71403	42.78221	38.18922
14857	OXL1	180.5017	0.429997	0.231053	1.861031	0.06274	0.112266	174.5518	118.241	169.7585	189.7308	209.6328	221.0955
22729	LOC119625	12.88338	0.429923	0.711788	0.604005	0.54584	0.638396	9.215468	14.78012	9.044508	8.928508	19.252	16.07967
15227	LOC119623	122.9184	0.429658	0.239909	1.790922	0.073306	0.127986	117.0907	100.1764	97.40239	133.9276	141.1813	147.732
7306	NAGA	1240.138	0.429591	0.118247	3.633013	0.00028	0.001019	1047.311	1104.677	1024.117	1330.348	1345.501	1588.873
5664	ATP9A	4614.957	0.429591	0.09897	4.340611	1.42E-05	6.67E-05	4051.011	3944.65	3809.825	5080.321	4967.015	5836.921
9687	BMP2K	4247.83	0.429579	0.146377	2.934736	0.003338	0.009162	3161.99	4590.595	3108.528	4787.912	4697.487	5140.47
9001	MCTP1	528.4001	0.429469	0.13783	3.115928	0.001834	0.005416	449.9317	475.1535	426.4833	558.0317	641.7332	619.0674
8805	ZER1	751.0966	0.429201	0.135272	3.172871	0.001509	0.004558	636.9515	648.1356	639.3771	888.3865	737.9932	955.7355
11063	ZNF70	370.1271	0.429159	0.164252	2.612804	0.00898	0.021581	293.2687	355.8177	299.1645	419.6399	393.5964	459.2756
24432	LOC103247	3.975222	0.429086	1.262865	0.339772	0.734028	0.798631	1.626259	4.926706	3.478657	2.232127	8.556443	3.014938
8902	LOC103233	2051.506	0.428423	0.136245	3.1445	0.001664	0.004969	1482.838	1455.021	1854.124	2281.234	2149.806	2626.011
17106	AGMAT	100.2241	0.428362	0.289351	1.480423	0.138761	0.215617	97.03346	74.44801	86.27069	82.5887	128.3466	132.6573
20899	LOC119627	29.57815	0.428333	0.480953	0.890592	0.373148	0.47467	17.88885	29.01283	28.52499	31.24978	40.6431	30.14938
6257	SLC25A12	2162.368	0.428084	0.105785	4.046754	5.19E-05	0.000221	1987.831	1717.231	1829.774	2484.357	2338.048	2616.967
18540	OTUD7A	67.66663	0.42795	0.343808	1.244735	0.213229	0.305755	47.7036	68.42648	56.35424	62.49956	102.6773	68.3386
13731	KISS1R	166.8983	0.427897	0.207266	2.064485	0.038972	0.075454	138.232	146.159	144.0164	185.2665	179.6853	208.0308
10514	WASL	1493.45	0.427521	0.155965	2.741132	0.006123	0.015482	1082.546	1615.96	1123.606	1642.845	1704.871	1790.873
3908	ENSA	9370.984	0.427487	0.078598	5.438932	5.36E-08	3.65E-07	7913.919	8180.522	7883.332	10917.33	10571.48	10759.31
21247	LOC103225	34.4699	0.426783	0.506873	0.841993	0.399792	0.500211	29.81475	24.63353	32.69937	31.24978	66.31243	22.10955
8049	TT30A	698.3291	0.426782	0.125529	3.399864	0.000674	0.002227	621.231	589.5625	578.1528	825.887	737.9932	837.1479
21504	LOC103227	25.63428	0.426727	0.531457	0.802939	0.42201	0.521724	15.17842	31.20247	19.48048	31.24978	23.53022	33.16432
21928	IL33	19.72145	0.426464	0.575922	0.74049	0.459003	0.556485	15.17842	22.44388	12.52316	24.5534	23.53022	20.09959
14989	LOC103247	159.6521	0.426316	0.232219	1.835839	0.066382	0.117737	127.9324	115.5039	166.2798	178.5702	179.6853	189.9411
18389	CCDC78	56.80745	0.426306	0.336606	1.266484	0.20534	0.29686	53.12446	45.43518	47.30973	64.73168	59.8951	70.34856
15115	KCNJ11	158.8986	0.426038	0.2353	1.810616	0.0702	0.123472	155.0367	109.4824	141.9292	205.3557	164.7115	176.8764
6179	AMBRA1	2402.704	0.425957	0.104245	4.086114	4.39E-05	0.000189	2096.248	2091.113	1969.616	2716.499	2534.846	3007.904
21048	LOC119623	27.43132	0.425921	0.48786	0.873039	0.382642	0.483302	27.6464	19.70683	22.2634	33.4819	36.36488	25.12449
6795	GLG1	8596.515	0.425857	0.111499	3.81938	0.000134	0.000523	6965.81	8091.294	6960.097	9314.666	9153.255	11093.97
20083	LOC119620	4592.376	0.425753	0.419333	1.015309	0.309959	0.410317	5240.349	1938.385	4580	5406.212	5456.871	4932.439
18524	LOC119627	60.39299	0.425646	0.341347	1.246958	0.212413	0.304848	58.00324	43.24553	52.87558	62.49956	83.42532	62.30873
21459	HUS1B	29.91199	0.425598	0.525446	0.809975	0.417954	0.517793	29.27266	15.32753				



24326	PTCHD1	5.261741	0.424729	1.186568	0.357947	0.720383	0.78728	4.878777	6.02153	2.087194	11.16063	6.417332	1.004979
7582	DICER1	6620.639	0.424633	0.120226	3.531949	0.000413	0.001446	5285.342	6571.679	5106.668	7196.377	7251.585	8312.185
22476	CTSS	17.96641	0.424626	0.660804	0.64259	0.52049	0.615645	14.09425	16.96977	13.91463	31.24978	23.53022	8.039836
24418	LOC119624	4.275724	0.424547	1.237289	0.343127	0.731503	0.796421	2.710432	3.831883	4.174388	2.232127	10.69555	2.009959
16771	GLIPR1L1	99.23104	0.424541	0.277449	1.530159	0.125977	0.199697	76.43418	90.32295	89.05362	116.0706	89.84265	133.6623
19008	LOC10323C	96.35412	0.424244	0.358431	1.183615	0.236565	0.330866	118.1748	65.68942	61.22436	104.91	149.7377	78.3884
10540	NDUFC2	2375.248	0.42411	0.154969	2.736732	0.006205	0.015652	2319.045	1494.434	2272.954	2770.07	2667.471	2727.514
8891	PAQR4	1705.806	0.424099	0.134775	3.146713	0.001651	0.004937	1556.872	1261.784	1557.743	1886.147	1741.236	2231.054
10646	CTXN1	420.8287	0.423997	0.156627	2.70705	0.006788	0.016952	311.1576	384.2831	383.348	466.5145	496.2737	483.3951
18902	LOC10322C	10303.79	0.423978	0.35203	1.204382	0.228442	0.321296	6199.842	13417.06	6784.077	12238.75	12436.79	10746.25
17908	ITPKA	83.2869	0.423949	0.311679	1.360207	0.173764	0.257952	88.90216	53.64636	70.9646	87.05295	102.6773	96.47803
10390	GPATCH11	1042.869	0.423939	0.153157	2.768001	0.00564	0.014431	789.2778	1103.035	778.5234	1180.795	1242.823	1162.761
24420	PRRX2	4.280032	0.423926	1.237558	0.342551	0.731936	0.796828	4.878777	4.379295	1.391463	4.464254	8.556443	2.009959
9313	NRXN1	3185.226	0.423792	0.139855	3.030223	0.002444	0.006976	2432.884	3367.677	2362.008	3450.868	3741.305	3756.613
21925	GATA3	26.72727	0.42379	0.572058	0.740816	0.458805	0.55635	13.55216	24.08612	29.91645	44.64254	32.08666	16.07967
5924	THSD4	1725.759	0.423789	0.100906	4.199859	2.67E-05	0.00012	1467.97	1491.15	1467.993	1904.004	1905.948	2117.492
24013	LOC11962C	5.184189	0.423771	1.047602	0.404515	0.685834	0.759261	4.878777	6.568942	3.478657	2.232127	10.69555	7.034856
6304	NRBP1	4852.733	0.423654	0.105267	4.024557	5.71E-05	0.000241	3949.641	4630.009	3858.526	5578.085	5262.212	5837.926
20883	LOC11962C	43.32582	0.423387	0.47449	0.892299	0.372233	0.473869	27.6464	48.71965	34.09084	29.01765	81.28621	39.1942
6453	STIM1	4519.03	0.423351	0.106934	3.959016	7.53E-05	0.00031	3823.877	4089.166	3674.853	5151.749	4646.148	5728.383
23848	LOC11962C	7.120345	0.423189	0.983025	0.430497	0.666834	0.743366	2.710432	4.926706	10.43597	8.928508	10.69555	5.024897
10982	HELB	530.5149	0.422954	0.160615	2.633333	0.008455	0.020468	416.8644	535.3688	409.7858	580.353	575.4208	665.2964
7246	FAM120B	2173.376	0.422667	0.115673	3.653962	0.000258	0.000947	1804.606	2068.669	1701.759	2464.268	2316.657	2684.3
9006	CARHSP1	2417.946	0.422455	0.135638	3.114586	0.001842	0.005438	2232.312	1659.205	2309.828	2841.498	2592.602	2872.231
5517	CTNND1	8937.383	0.422374	0.095895	4.404567	1.06E-05	5.11E-05	7606.014	8218.294	7094.373	10116	9730.814	10858.8
20307	LOC10323C	47.10051	0.422214	0.431815	0.977768	0.328189	0.42965	37.94605	39.96106	41.04815	69.19594	66.31243	28.13943
13483	NTN1	189.4934	0.422049	0.199991	2.110337	0.034829	0.068674	166.4205	148.3486	172.5414	214.2842	203.2155	232.1503
20754	FAM71D	32.31676	0.422027	0.463541	0.910441	0.36259	0.464437	33.60935	25.72836	22.95914	31.24978	49.19955	31.15436
9724	MAP1LC3B	1235.046	0.42195	0.144304	2.924036	0.003455	0.009447	945.3986	1201.569	1024.117	1185.259	1478.125	1575.808
24839	HS3ST6	2.746236	0.421943	1.534213	0.275023	0.783299	0.838359	4.336691	1.094824	1.391463	2.232127	6.417332	1.004979
6355	NR3C1	3264.817	0.421917	0.105379	4.003807	6.23E-05	0.000261	2700.674	2953.834	2724.484	3542.386	3520.976	4146.545
5690	STK40	3169.829	0.421914	0.097416	4.331042	1.48E-05	6.93E-05	2809.092	2592.542	2732.833	3526.761	3450.386	3907.36
26971	LOC11962C	0.657251	0.421733	3.267781	0.129058	0.897312	NA	0.542086	0	1.391463	0	0	2.009959
20969	LOC11961C	30.35925	0.421504	0.477297	0.883107	0.377178	0.478211	23.30971	31.74989	22.2634	46.87467	27.80844	30.14938
25366	LOC11962C	1.58255	0.421355	2.243773	0.187788	0.851043	0.891905	0	0.547412	3.478657	4.464254	0	1.004979
18222	STAB1	62.1557	0.421328	0.324663	1.29774	0.194377	0.283586	55.8349	49.26706	53.57132	80.35657	70.59065	63.31371
14729	FN3K	163.6507	0.421288	0.223672	1.883512	0.059631	0.107625	118.7169	159.2968	141.9292	200.8914	171.1289	189.9411
11796	METRN	344.0698	0.421216	0.17195	2.449639	0.0143	0.032228	318.7468	252.3568	309.6005	419.6399	404.2919	359.7826
8465	TMEM117	624.0766	0.421146	0.129055	3.263321	0.001101	0.003458	506.3087	574.235	520.4071	698.6557	727.2976	717.5553
9941	DIAPH2	613.1015	0.421097	0.146377	2.876796	0.004017	0.010744	485.7094	608.7219	477.2717	700.8879	716.6021	689.4109
25036	LOC11961C	2.128779	0.421062	1.757742	0.239547	0.810681	0.860839	2.168345	1.094824	2.087194	0	6.417332	1.004979
9508	OXSM	1210.069	0.421019	0.141144	2.982903	0.002855	0.007984	1136.213	834.2556	1134.042	1361.597	1422.509	1371.797
20732	LOC10322C	34.05599	0.420929	0.460789	0.913496	0.360982	0.462893	22.76763	24.08612	40.35242	40.17829	42.78221	34.1693
8458	LOC10324C	1469.012	0.420847	0.12886	3.265936	0.001091	0.003429	1143.26	1475.275	1149.348	1676.327	1700.593	1669.271
16703	LOC11962C	104.7325	0.420838	0.272906	1.542061	0.123059	0.195864	99.74389	95.79707	71.66033	129.4634	126.2075	105.5228
19692	LOC10324C	44.39329	0.420735	0.392755	1.071241	0.284061	0.383502	41.74065	39.96106	31.30791	49.10679	62.03421	42.20914
4711	LOC10323C	10249.33	0.420564	0.086217	4.877989	1.07E-06	6.05E-06	8930.331	8796.36	8575.585	11814.65	11005.72	12373.31
22934	GALNT3	12.3525	0.420278	0.73217	0.574016	0.565957	0.656092	8.673382	9.306001	13.2189	15.62489	19.252	8.039836
16630	LOC11962C	92.74401	0.420183	0.270616	1.552695	0.120496	0.192627	74.80792	77.18507	86.96642	95.98146	106.9555	114.5677
10735	ZNF709	370.2427	0.420005	0.156471	2.684239	0.00727	0.018003	332.9572	292.8653	333.9511	433.0326	449.2132	390.457
9411	RCOR3	707.5121	0.41957	0.139627	3.004948	0.002656	0.007504	578.9482	686.4544	549.6278	765.6196	868.4789	795.9437
4904	HADHB	7672.088	0.419438	0.088475	4.740738	2.13E-06	1.15E-05	6590.686	6797.76	6310.284	8609.314	8400.288	9324.2
9833	CHMP1A	2850.871	0.419389	0.144697	2.898398	0.003751	0.010141	2767.351	1952.071	2603.427	3156.228	2934.86	3691.29
10367	CLCN2	551.3663	0.419337	0.151269	2.772133	0.005569	0.014281	498.7195	431.9079	489.0992	611.6028	558.3079	718.5603
19435	LOC11962C	45.73457	0.419181	0.376968	1.11198	0.266147	0.364059	44.45108	36.12918	36.17803	55.80317	55.61688	46.22906
11750	LOC11962C	399.1888	0.418893	0.170361	2.458858	0.013938	0.031535	383.7971	293.4127	347.17	415.1756	513.3866	442.191
6286	WBP1L	2311.918	0.41886	0.103821	4.034434	5.47E-05	0.000231	2005.177	2056.079	1878.475	2671.856	2427.891	2832.032
20251	LOC11962C	38.71781	0.41858	0.424077	0.987038	0.323624	0.424846	41.74065	27.37059	29.91645	53.57105	38.50399	41.20416
6121	MTCL1	2466.984	0.418567	0.101885	4.108247	3.99E-05	0.000173	2136.362	2040.204	2164.42	2754.445	2633.245	3073.227
23872	LOC11961C	6.762531	0.418443	0.980318	0.426844	0.669493	0.74557	3.794605	7.663765	5.565851	6.696381	12.83466	4.019918
7240	SMAP1	3184.566	0.418422	0.114466	3.655414	0.000257	0.000943	2567.321	3136.122	2474.716	3671.849	3535.95	3721.439
23615	LOC10323C	8.008069	0.418298	0.896892	0.466385	0.64094	0.721549	6.505036	10.40082	3.478657	8.928508	10.69555	8.039836
20472	CATSPER2	35.47807	0.418187	0.439873	0.9507	0.341757	0.443784	39.03022	26.82318	25.04633	35.71403	47.06043	39.1942
20684	LOC11962C	34.14339	0.418078	0.452518	0.923893	0.355542	0.456954	28.18849	30.10765	28.52499	55.80317	32.08666	30.14938
19741	LOC10322C	44.15245	0.417871	0.393608	1.061643	0.288398	0.388382	47.16151	32.84471	33.39511	44.64254	55.61688	51.25395
4673	ARHGAP1E	4789.284	0.417854	0.08523	4.902646	9.46E-07	5.38E-06	4063.479	4285.14	3951.754	5479.872	5512.488	5442.969
10479	DUS2	647.8464	0.417803	0.151965	2.749343	0.005971	0.01515	639.6619	473.5112	553.1064	696.4236	729.4367	794.9388
6688	ADPRH	2188.269	0.417698	0.108199	3.860471	0.000113	0.00045	1976.447	1844.778	1805.423	2430.786	2314.518	2757.664
10389	LYPLA2	2088.378	0.417679	0.150893	2.768047	0.005639	0.014431	2047.46	1407.943	1913.261	2325.876	2143.389	2692.34
5852	NIPAL3	2884.157	0.417266	0.098314	4.244205	2.19E-05	9.97E-05	2437.762	2504				



22767	PRR25	14.96304	0.416575	0.696034	0.598498	0.549508	0.64166	14.63633	8.758589	14.61036	29.01765	10.69555	12.05975
19991	PCDHB16	43.545	0.416468	0.403905	1.031103	0.302492	0.402269	34.15144	48.17224	29.22072	46.87467	55.61688	47.23404
15586	PCDHB12	198.6041	0.416413	0.240479	1.731594	0.083346	0.142163	163.7101	213.4906	134.2762	183.0344	243.8586	253.2548
15130	CFAP94	158.1673	0.416281	0.230078	1.809306	0.070404	0.123706	133.3532	153.8227	118.2743	162.9453	211.772	168.8366
6114	GBF1	4802.338	0.416163	0.101192	4.112601	3.91E-05	0.00017	4024.449	4317.437	4008.108	5341.48	5067.553	6055.001
19029	LOC103228	52.26447	0.416095	0.352767	1.179517	0.238192	0.332773	51.49821	42.15071	40.35242	60.26743	62.03421	57.28383
6354	ACTR1A	6899.486	0.416055	0.103914	4.003848	6.23E-05	0.000261	6078.957	6035.763	5626.38	7741.016	7123.239	8791.56
6515	PLEKHM3	1636.948	0.415969	0.105749	3.933549	8.37E-05	0.000342	1358.468	1514.141	1337.196	1819.183	1846.053	1946.645
19620	LOC119624	65.39814	0.415794	0.384078	1.082575	0.278997	0.37804	71.01331	36.67659	61.92009	53.57105	72.72976	96.47803
11222	CRABP2	310.0656	0.415779	0.161422	2.575727	0.010003	0.023697	269.959	259.4732	265.7694	379.4616	355.0924	330.6382
7164	ATG9A	2435.174	0.415663	0.11308	3.675824	0.000237	0.00088	2000.841	2238.914	2026.665	2691.945	2541.263	3111.416
6433	CEMIP2	8913.886	0.415642	0.104767	3.967313	7.27E-05	0.0003	7266.668	8455.323	7198.732	9953.054	9544.712	11064.82
23630	LOC103232	8.941152	0.415518	0.895377	0.464071	0.642597	0.722955	12.46799	3.284471	6.957314	8.928508	14.97377	7.034856
11433	ZFYVE27	1101.12	0.41529	0.16417	2.529636	0.011418	0.026552	1122.661	741.743	970.5453	1147.313	1189.346	1435.111
8287	SLC9A8	705.5096	0.41501	0.125105	3.317289	0.000909	0.002916	621.7731	558.3601	635.2027	787.9408	810.7229	819.0583
20768	LOC103220	39.05641	0.414997	0.456672	0.908741	0.363487	0.465315	29.81475	47.62483	22.2634	55.80317	40.6431	38.18922
22312	ONECUT1	17.68781	0.414658	0.616058	0.673082	0.500895	0.596822	10.29964	15.32753	19.48048	24.5534	21.39111	15.07469
10665	BDH1	567.711	0.414556	0.153539	2.7	0.006934	0.017284	562.1436	416.5804	533.626	667.406	663.1243	683.386
6315	KLF13	4345.301	0.414201	0.103073	4.018508	5.86E-05	0.000247	3757.201	3791.922	3635.196	4854.876	4509.245	5523.367
23169	LOC119620	10.2094	0.414164	0.775165	0.534292	0.59314	0.680591	10.84173	8.758589	6.957314	8.928508	10.69555	15.07469
7672	SLC35A3	866.9036	0.413984	0.11819	3.502711	0.000461	0.001596	780.6044	703.4242	747.9112	1004.457	936.9305	1028.094
23593	LOC119625	9.233951	0.413953	0.881431	0.469637	0.638614	0.719602	7.589209	4.926706	11.1317	4.464254	19.252	8.039836
5985	PNMA1	2735.326	0.413799	0.099212	4.170874	3.03E-05	0.000135	2414.453	2419.56	2206.86	3091.496	2954.112	3325.477
21198	LOC103236	26.33536	0.413454	0.486234	0.850319	0.395148	0.495566	25.447806	19.70683	22.2634	33.4819	29.94755	27.13445
11023	ZNF350	420.6159	0.412976	0.157357	2.624447	0.008679	0.02093	314.4101	400.7054	367.3462	495.5322	466.3261	479.3752
11160	BRMS1L	821.6103	0.412823	0.159401	2.589842	0.009602	0.022873	627.1939	862.1736	621.9838	1002.225	966.878	849.2077
23751	CABP7	8.912583	0.412786	0.928619	0.444516	0.65667	0.734994	8.131296	4.379295	10.43597	2.232127	19.252	9.044815
7256	DZIP1	8265.957	0.412745	0.113061	3.650644	0.000262	0.000958	6561.413	8254.423	6459.866	9261.095	9296.575	9762.371
14523	REL	406.9809	0.412698	0.214984	1.919672	0.054899	0.100461	298.1475	476.2483	273.4224	433.0326	470.6043	490.43
15418	HOGA1	243.5174	0.412365	0.234617	1.75761	0.078814	0.135898	253.1543	148.896	226.8084	263.391	250.2759	318.5785
7520	ASL	2214.705	0.412294	0.116066	3.55224	0.000382	0.00135	2062.097	1659.753	1982.834	2453.108	2447.143	2683.295
22269	LOC103245	17.02189	0.412148	0.606894	0.67911	0.497068	0.593406	13.55216	18.06459	12.52316	15.62489	19.252	23.11453
24239	LOC119627	5.3106	0.412095	1.116126	0.369219	0.711965	0.780776	4.336691	1.642235	7.653045	8.928508	4.278221	5.024897
9123	VIPAS39	1320.293	0.412078	0.133995	3.075314	0.002103	0.006128	1052.732	1338.969	1008.115	1459.811	1497.377	1564.753
22596	MIA	19.86855	0.411977	0.659116	0.625044	0.531942	0.625849	23.30971	6.02153	21.56767	24.5534	25.66933	18.08963
20429	LOC119615	33.49138	0.411279	0.429504	0.957566	0.338281	0.440218	29.27266	25.72836	31.30791	37.94616	38.50399	38.18922
6913	MAPKBP1	2011.41	0.411247	0.109096	3.769604	0.000164	0.000629	1741.724	1653.184	1791.508	2229.895	2115.58	2536.568
14789	LOC119620	163.5999	0.411212	0.219321	1.874933	0.060802	0.109299	151.2421	120.978	150.278	171.8738	188.2417	198.9859
24784	LOC119627	3.131291	0.411036	1.448332	0.2838	0.776564	0.832962	3.794605	2.189647	2.087194	6.696381	0	4.019918
17220	LOC103216	116.733	0.410913	0.280538	1.464731	0.142994	0.8220761	117.0907	75.54283	106.4469	147.3204	145.4595	108.5378
20381	LOC119615	41.46511	0.410867	0.425907	0.964686	0.334702	0.436586	48.24569	25.72836	32.69937	42.41041	53.47777	46.22906
9790	TAF11	651.7746	0.410825	0.141374	2.905941	0.003662	0.009943	597.3792	484.4595	596.9375	712.0485	787.1927	732.63
24856	LOC119620	2.802849	0.410786	1.505923	0.27278	0.785022	0.839629	3.794605	1.094824	2.087194	6.696381	2.139111	1.004979
7677	OSTF1	755.5506	0.410763	0.117396	3.498955	0.000467	0.001617	672.1871	633.3555	641.4643	843.744	864.2007	878.3521
11704	CSAD	355.1213	0.410554	0.166115	2.471502	0.013455	0.030562	336.0935	264.3999	315.1663	386.158	412.8484	416.0615
8611	GPRIN1	980.0439	0.410549	0.127267	3.22588	0.001256	0.003877	862.4594	793.1997	873.8386	1116.063	992.5473	1242.155
9756	GRAMD2B	461.4864	0.410531	0.140826	2.915159	0.003555	0.009688	394.6389	399.0632	397.2626	482.1394	539.0559	556.7586
10481	RNASET2	753.8259	0.410152	0.1492	2.749012	0.005978	0.015162	649.9616	558.9075	736.7795	874.9938	763.6625	938.6508
7549	PALM	1104.438	0.410123	0.115763	3.54278	0.000396	0.001394	1002.86	872.027	972.6325	1279.009	1193.624	1306.473
6444	CNTN1	3949.95	0.41007	0.103494	3.962254	7.42E-05	0.000306	3229.751	3759.077	3189.233	4618.271	4265.387	4637.98
5667	MPZL1	7762.975	0.40995	0.094462	4.339855	1.43E-05	6.69E-05	6467.09	7256.491	6281.063	8794.58	8547.886	9230.736
10017	DEF8	2146.78	0.409877	0.143451	2.857258	0.004273	0.011341	2069.686	1526.732	1940.395	2368.287	2162.641	2812.938
4510	SOD1	10338.63	0.40944	0.081783	5.006404	5.55E-07	3.27E-06	8795.893	8849.459	8993.719	12057.95	12120.2	11214.57
7434	NDUFA3	2167.209	0.4093	0.114128	3.586333	0.000335	0.001199	1749.313	2115.199	1721.239	2502.214	2395.804	2519.484
9674	TOPORS	2945.781	0.409068	0.139229	2.938092	0.003301	0.009075	2243.153	3138.312	2211.034	3337.03	3341.291	3403.865
16086	LOC119626	130.2103	0.408939	0.247995	1.648985	0.099152	0.163864	93.78094	116.0513	125.2316	138.3919	171.1289	136.6772
19744	ROPN1L	56.53236	0.408878	0.385251	1.061329	0.28854	0.388515	59.6295	41.6033	43.83108	46.87467	91.98176	55.27387
6826	DTX3	2323.683	0.408866	0.107366	3.808143	0.00014	0.000545	2024.693	1955.902	2016.23	2544.625	2445.003	2955.645
23287	LOC119627	10.84719	0.408843	0.79305	0.515532	0.606182	0.692031	5.96295	13.13788	8.348776	15.62489	14.97377	7.034856
12217	CLDN4	1566.992	0.408766	0.172913	2.363991	0.018079	0.039342	1592.65	1000.121	1450.6	1736.595	1548.716	2073.273
10658	MRPL43	2304.277	0.408691	0.151273	2.701679	0.006899	0.017209	2192.739	1483.486	2263.91	2689.713	2631.106	2564.708
11273	MELTF	1666.009	0.408458	0.159328	2.563633	0.010358	0.024426	1668	1111.246	1518.782	1977.665	1630.002	2090.357
7419	LOC119625	7263.601	0.408149	0.113617	3.592325	0.000328	0.001174	5772.136	7236.237	5722.391	8203.067	7944.657	8703.122
24680	SLC25A52	3.725516	0.408034	1.348815	0.302513	0.762261	0.821099	1.084173	1.642235	6.957314	2.232127	6.417332	4.019918
5542	TMBIM1	5521.9	0.407977	0.09282	4.395367	1.11E-05	5.30E-05	4876.067	4720.332	4648.181	6249.956	5863.302	6773.562
17408	LOC103235	96.88417	0.407952	0.285589	1.428457	0.15316	0.233904	73.18166	100.1764	76.53045	91.51721	128.3466	111.5527
13734	PTS	350.8138	0.407854	0.197639	2.063626	0.039053	0.075595	320.9151	235.3871	346.4742	462.0503	389.3181	350.7378
23155	LOC103228	12.37005	0.407737	0.760473	0.536163	0.591846	0.679466	9.215468	7.663765	14.61036	11.16063	23.53022	8.039836
19958	ZNF30	41.5908	0.40766	0.393372	1.036321	0.300053	0.399684	37.40396	32.2973	36.87376	53.57105	49.19955	40.19918
4398	ARL6IP5	8864.259	0.407604	0.0802	5.08236	3.73E-07	2.25E-06	7786.529	7338.055				



11451	PPP1R3E	330.2572	0.405795	0.160624	2.52637	0.011525	0.026754	262.9119	308.7403	281.0755	368.301	378.6226	381.8922
7052	TLR2	980.3471	0.405076	0.10914	3.711526	0.000206	0.000777	852.7019	853.415	826.5289	1104.903	1088.807	1155.726
10136	ZDHHC12	453.4188	0.404975	0.143058	2.830845	0.004643	0.01218	389.7601	376.6193	407.0029	482.1394	511.2474	553.7437
6516	CDIPT	3512.633	0.404889	0.102936	3.933425	8.37E-05	0.000342	3079.051	3063.864	2932.508	3903.99	3666.436	4429.95
22885	LOC103232	14.00484	0.404851	0.695575	0.582037	0.560541	0.651169	13.55216	13.6853	8.348776	24.5534	12.83466	11.05477
9564	PLPPR2	970.2588	0.404845	0.136371	2.96869	0.002991	0.008314	867.3382	758.7128	883.5788	1122.76	954.0434	1235.12
9579	GFFR4	1985.623	0.404698	0.136462	2.965643	0.003021	0.008383	1807.316	1430.387	1893.781	2258.913	2012.903	2510.439
10115	SNX8	1190.158	0.404644	0.142747	2.834697	0.004587	0.012057	1134.045	852.3202	1090.907	1285.705	1268.493	1509.479
13208	DECR2	610.5527	0.404385	0.186689	2.166091	0.030304	0.060996	608.2209	389.7572	580.9357	716.5128	601.0901	766.7993
4725	MYL6	25870.12	0.404338	0.083308	4.866824	1.13E-06	6.38E-06	21608.65	22186.6	23005.05	30033.27	30525.11	27862.05
12900	LOC119615	253.6734	0.404101	0.182092	2.219215	0.026472	0.054561	210.8716	229.913	217.0682	272.3195	265.2497	326.6183
23328	LOC119620	10.53647	0.403581	0.791811	0.509694	0.610266	0.69547	10.29964	5.474118	11.1317	11.16063	17.11289	8.039836
15803	PPII6	154.1644	0.403572	0.237283	1.700804	0.08898	0.149688	137.1479	147.2538	112.0128	165.1774	209.6328	153.7619
9028	DCAF5	2630.169	0.403521	0.129918	3.105968	0.001897	0.005585	2064.265	2703.12	2028.753	2903.997	2892.078	3188.8
6992	TTYH3	3527.118	0.403066	0.107843	3.737544	0.000186	0.000707	3056.825	2873.912	3188.537	4013.364	3600.123	4429.95
4871	TM7SF3	8609.725	0.402982	0.084683	4.75872	1.95E-06	1.06E-05	7636.913	7318.896	7294.048	9676.27	9412.087	10320.13
16062	LOC119625	172.2054	0.402938	0.243499	1.654779	0.097969	0.162154	145.8212	128.6418	168.367	187.4987	248.1368	154.7668
14352	ZNF571	177.0288	0.402916	0.206363	1.952459	0.050884	0.094257	160.4576	149.4434	146.7993	227.677	181.8244	195.971
16033	LOC103244	143.1922	0.40258	0.242498	1.660139	0.096886	0.160643	134.9795	119.8832	112.7085	167.4095	192.52	131.6523
16765	FAM110A	106.754	0.402498	0.262971	1.530582	0.125873	0.199602	96.49137	85.94365	91.83654	145.0883	117.6511	103.5129
17221	LOC103222	101.1618	0.402299	0.274729	1.464348	0.143099	0.22091	74.26583	100.7238	85.57496	133.9276	106.9555	105.5228
11926	ZNF606	438.425	0.402131	0.166208	2.419444	0.015544	0.034651	346.3932	442.8562	342.9956	464.2824	547.6123	486.4101
19243	YY2	67.1912	0.402073	0.350941	1.145702	0.251919	0.348048	71.5554	60.2153	41.74388	60.26743	91.98176	77.38342
8617	PRKD2	740.8985	0.402047	0.124675	3.224752	0.001261	0.00389	604.4263	641.5666	672.0765	839.2797	793.6101	894.4317
11186	TCTA	543.3447	0.401674	0.155402	2.584744	0.009745	0.023161	512.8137	401.8003	493.2735	584.8173	583.9772	683.386
9030	SNX14	903.9196	0.401543	0.129321	3.105009	0.001903	0.005602	707.4227	879.1434	748.607	1062.492	1028.912	996.9396
16921	MATK	130.6404	0.401378	0.267046	1.503026	0.132832	0.208696	125.222	87.03848	127.3188	120.5349	151.8769	171.8515
9721	SPHK2	652.7864	0.401271	0.137209	2.924529	0.00345	0.009434	552.386	511.83	624.7668	776.7802	695.211	755.7446
11202	LOC119626	478.5461	0.401146	0.155356	2.582103	0.00982	0.023305	395.181	452.7096	392.3925	549.1032	474.8826	607.0076
7135	HSD17B4	5815.735	0.400956	0.108806	3.685045	0.000229	0.000852	4765.481	5694.725	4580	6310.223	6622.687	6921.294
7017	PDCD10	3977.941	0.400827	0.107526	3.727727	0.000193	0.000732	3436.828	3178.273	3667.2	4475.415	4973.432	4136.495
7508	ZNF862	1661.146	0.400804	0.112723	3.555656	0.000377	0.001335	1503.206	1369.624	1427.641	1897.308	1704.871	2064.228
13871	IL7	247.0897	0.400726	0.196807	2.036136	0.041737	0.079992	233.0971	180.6459	224.0255	265.6231	320.8666	258.2797
22009	LOC103233	32.79859	0.400657	0.553258	0.724177	0.468957	0.56646	23.8518	26.82318	32.69937	46.87467	53.47777	13.06473
10664	MBD6	829.4652	0.400565	0.148341	2.700298	0.006928	0.017271	633.699	860.5314	649.8131	953.1182	954.0434	925.5861
6102	SH2B3	4482.564	0.400535	0.097192	4.121074	3.77E-05	0.000164	3852.066	4046.468	3699.899	4982.107	4789.469	5525.377
14716	ZNF790	198.1921	0.400244	0.212119	1.886885	0.059176	0.106903	162.0838	203.6372	147.4951	214.2842	222.4675	239.1851
10538	INTS9	752.8032	0.400007	0.146156	2.736846	0.006203	0.015649	645.6249	723.131	582.3272	828.1191	765.8016	971.8151
22874	LOC119624	18.26981	0.399765	0.686036	0.582717	0.560084	0.650971	21.68345	14.23271	10.43597	17.85702	36.36488	9.044815
18962	LOC119627	77.88623	0.399647	0.334956	1.193131	0.232818	0.326414	88.90216	49.81448	62.61582	102.6778	74.86887	88.43819
24387	STMN2	4.690694	0.399645	1.146993	0.348429	0.727518	0.79309	3.794605	5.474118	2.782925	8.928508	2.139111	5.024897
7886	BCL2	3079.82	0.39961	0.115981	3.445474	0.00057	0.001922	2426.379	2992.7	2553.334	3272.298	3418.299	3815.907
15466	LOC103247	140.2033	0.399573	0.228271	1.750436	0.080043	0.137589	133.8953	107.8401	121.0573	151.7846	166.8506	159.7917
9529	TANGO2	556.42	0.399313	0.134136	2.976922	0.002912	0.008123	515.5241	470.7742	453.6169	607.1385	650.2896	641.1769
14693	LOC119628	174.0835	0.399259	0.211117	1.891178	0.058601	0.10603	138.7741	160.3917	149.5822	223.2127	194.6591	177.8814
24029	LOC103238	6.530366	0.399204	0.992212	0.402338	0.687436	0.760559	6.505036	4.379295	5.565851	11.16063	8.556443	3.014938
5509	SLC33A1	3647.504	0.399197	0.090573	4.407481	1.05E-05	5.05E-05	3108.323	3293.229	3039.65	4111.578	4010.833	4321.412
19220	PRSS53	60.80062	0.399014	0.346654	1.151045	0.249714	0.345407	58.54533	45.43518	53.57132	51.33892	85.56443	70.34856
23040	LOC119629	13.081	0.399002	0.718014	0.555702	0.578415	0.667411	13.01007	10.40082	9.740239	22.32127	14.97377	8.039836
12169	ESRRA	1475.254	0.398948	0.168197	2.371909	0.017696	0.038661	1475.559	938.2638	1407.465	1555.793	1585.081	1889.361
7859	HM13	5167.008	0.398614	0.115493	3.45142	0.000558	0.001886	4109.015	5122.68	4143.776	5964.243	5435.48	6226.853
8803	PNKD	1608.587	0.398493	0.125595	3.172849	0.00151	0.004558	1546.572	1196.095	1422.771	1872.755	1704.871	1908.456
22995	LOC103216	12.48281	0.398464	0.70572	0.56462	0.572332	0.661685	8.673382	9.306001	14.61036	13.39276	12.83466	16.07967
5754	BLOC1S2	2846.911	0.398426	0.092723	4.296927	1.73E-05	8.00E-05	2478.419	2472.112	2414.884	3171.852	3441.829	3102.372
10066	ADCY9	668.1214	0.398252	0.139882	2.847047	0.004413	0.011654	567.0223	578.0669	588.5887	774.5481	650.2896	850.2126
7373	SMYD4	1127.496	0.398101	0.110315	3.608763	0.000308	0.001109	1013.159	911.4407	996.2873	1247.759	1272.771	1323.558
20320	EFCC1	48.07291	0.397853	0.408192	0.974671	0.329724	0.431383	40.11439	47.62483	35.4823	46.87467	79.14709	39.1942
5945	SEC24C	9161.935	0.397471	0.094908	4.187957	2.81E-05	0.000126	8150.811	7665.408	7914.64	10053.5	9758.623	11428.63
25479	TRNAT-AG	1.249988	0.397422	2.366977	0.167903	0.86666	0.904244	2.710432	0.547412	0	2.232127	0	2.009959
7511	MAP3K7	2472.19	0.397342	0.111775	3.554821	0.000378	0.001339	1993.252	2406.422	2003.706	2810.248	2691.001	2928.51
9911	QSER1	2397.535	0.39724	0.13786	2.881484	0.003958	0.010617	1875.077	2529.043	1805.423	2709.802	2609.715	2856.152
17513	KCNJ4	126.6793	0.397193	0.281232	1.41233	0.157853	0.239623	113.2961	76.63765	138.4505	131.6955	158.2942	141.7021
22887	LOC119620	14.34514	0.396871	0.682245	0.581713	0.56076	0.651366	16.80468	12.04306	8.348776	20.08914	10.69555	18.08963
22734	SLC2A4	17.63438	0.396594	0.656978	0.603665	0.546067	0.638567	17.34676	16.42235	11.1317	15.62489	34.22577	11.05477
15273	LOC103227	147.9705	0.396496	0.222193	1.784464	0.074348	0.129415	134.4374	126.4521	123.1445	145.0883	181.8244	176.8764
9812	HMGN3	1182.87	0.39613	0.136484	2.902391	0.003703	0.010034	889.0216	1207.043	967.7623	1337.044	1364.753	1331.598
11234	LOC119626	427.0683	0.396052	0.153884	2.373706	0.010062	0.023808	355.0666	358.5547	396.5669	468.7467	442.7959	540.679
5393	GMFB	3556.845	0.395989	0.088659	4.466424	7.95E-06	3.92E-05	3200.478	2943.433	3073.045	4037.918	3963.772	4122.426
21703	LOC119628	26.53713	0.395909	0.509309	0.777346	0.436955	0.535246	20.0572	20.80165	27.13352	40.17829	29.94755	21.10457
8985	NIN	5276.332	0.395831	0.126814	3.12135	0.0018	0.005327	4085.163	5490				



7282	TEP1	5533.18	0.395202	0.108601	3.639016	0.000274	0.000999	4859.804	4511.768	4976.566	6051.296	5696.452	7103.195
24638	TRNAQ-UL	3.740357	0.395153	1.27806	0.309182	0.757183	0.817019	4.336691	1.642235	3.478657	6.696381	4.278221	2.009959
20191	LOC10323	45.60372	0.395035	0.395672	0.99839	0.31809	0.418822	33.60935	45.43518	39.65669	60.26743	36.36488	58.28881
12518	BBC3	860.1788	0.394773	0.171777	2.298177	0.021552	0.04577	826.6817	547.4118	857.141	988.8323	921.9567	1019.049
8401	TRADD	816.5158	0.394753	0.120253	3.282699	0.001028	0.003254	700.9177	699.0449	719.3862	948.654	849.2269	981.8649
8795	ACSF2	1352.137	0.394736	0.124297	3.175743	0.001495	0.004518	1175.785	1280.396	1052.642	1444.186	1467.43	1692.385
19092	LOC11962	66.08128	0.394666	0.337001	1.171112	0.241554	0.336349	67.7608	42.15071	61.22436	78.12444	74.86887	72.35852
24629	TRNAW-CC	3.77271	0.394289	1.26872	0.310777	0.75597	0.816008	1.626259	3.284471	4.87012	6.696381	2.139111	4.019918
25294	LOC11961	1.572243	0.394042	1.974178	0.199598	0.841795	0.88476	1.626259	1.642235	0.695731	4.464254	0	1.004979
23215	ASB16	17.54865	0.393933	0.746841	0.527465	0.59787	0.68466	12.46799	12.59047	19.48048	26.78552	29.94755	4.019918
23199	CA13	14.56057	0.39378	0.743333	0.529749	0.596286	0.683306	9.757555	19.70683	7.653045	13.39276	27.80844	9.044815
18076	HBQ1	99.8515	0.39359	0.296281	1.328435	0.184034	0.270666	95.4072	64.59459	100.1853	118.3027	91.98176	128.6374
6577	GALK2	2327.682	0.393319	0.100596	3.909884	9.23E-05	0.000373	2100.585	1967.945	1973.79	2537.928	2532.707	2853.137
17274	LOC11962	104.1561	0.393161	0.270377	1.454119	0.145913	0.224563	85.10756	106.1979	77.92191	133.9276	111.2338	110.5477
13202	TECPR2	251.4761	0.393111	0.181284	2.168479	0.030122	0.060657	237.4338	195.426	218.4597	285.7123	299.4755	272.3494
9086	ALDH3B1	731.8724	0.393058	0.127299	3.087664	0.002017	0.005903	677.0659	595.0366	628.2454	770.0838	853.5052	867.2973
24378	LOC11962	5.003645	0.392866	1.123578	0.349656	0.726597	0.792313	6.505036	1.642235	4.87012	6.696381	4.278221	6.029877
12950	PARD6A	396.8715	0.392855	0.17753	2.212899	0.026905	0.055232	363.74	276.9904	387.5224	488.8358	447.0741	417.0665
8757	PPP2R1A	7756.508	0.392572	0.123211	3.186191	0.001442	0.004377	7345.27	5848.548	6935.746	8508.868	7871.927	10028.69
7126	H6PD	8973.781	0.392543	0.106437	3.688032	0.000226	0.000843	7847.784	7681.83	7759.492	10062.43	8982.126	11509.02
21800	LOC11962	26.9738	0.39242	0.516522	0.759736	0.447412	0.545617	22.22554	28.46541	18.78475	22.32127	44.92132	25.12449
24334	LOC11962	5.323367	0.3924	1.099268	0.356965	0.721118	0.787825	2.168345	3.284471	8.348776	6.696381	6.417332	5.024897
7974	DYNC1LI1	4037.995	0.392011	0.114683	3.418208	0.00063	0.002102	3335.457	4015.813	3128.008	4609.342	4378.76	4760.588
22517	NMB	19.63481	0.39172	0.614177	0.637798	0.523605	0.61825	25.47806	9.853413	16.00182	20.08914	19.252	27.13445
8663	OGA	10447.09	0.391667	0.121893	3.213219	0.001313	0.004028	8010.952	10778.54	8325.122	11424.03	11722.33	12421.55
9320	RABGAP1L	909.5278	0.391594	0.129404	3.026146	0.002477	0.007065	777.3519	878.596	706.1673	1006.689	998.9647	1089.398
22627	LOC10322	16.58433	0.391584	0.632018	0.619577	0.535536	0.629214	10.84173	11.49565	20.87194	20.08914	17.11289	19.09461
22076	LOC11962	20.28688	0.391379	0.548836	0.713107	0.47578	0.572957	16.80468	17.51718	18.78475	20.08914	21.39111	27.13445
21450	LOC10321	44.36442	0.391253	0.482291	0.811238	0.417229	0.517111	20.59928	61.85754	32.69937	60.26743	38.50399	52.25893
14772	LOC10323	487.323	0.390828	0.208114	1.87795	0.060388	0.10868	541.0022	308.7403	414.6559	491.0679	643.8723	524.5993
5055	ARPC3	6732.574	0.390638	0.083865	4.657936	3.19E-06	1.68E-05	6011.196	5551.303	5915.804	7658.428	7758.554	7500.162
9901	SLC25A16	551.4986	0.390242	0.135281	2.884674	0.003918	0.010521	461.8576	451.0673	519.0156	638.3883	624.6203	614.0425
13463	LOC10324	454.0849	0.390104	0.184457	2.114881	0.03444	0.068008	469.9889	314.7618	397.2626	468.7467	489.8563	583.8931
7715	CEP170B	2165.293	0.389856	0.111751	3.488601	0.000486	0.001673	1931.996	1722.158	1975.181	2395.072	2276.014	2691.335
17390	LOC10323	129.5143	0.389778	0.27247	1.430535	0.152563	0.233232	127.3903	82.11177	125.9274	174.1059	136.9031	130.6473
16205	LOC10322	193.9194	0.389178	0.23926	1.626592	0.103824	0.170327	196.2353	154.9175	155.8438	169.6417	207.4937	279.3843
10438	NAPRT	3209.954	0.389041	0.1411	2.757199	0.00583	0.014847	3120.249	2221.945	3001.385	3575.867	3294.23	4046.047
23970	C4BPA	6.562161	0.389003	0.945201	0.411556	0.680665	0.754922	7.047123	4.379295	5.565851	8.928508	6.417332	7.034856
21443	LOC10323	31.36742	0.388376	0.478088	0.812352	0.41659	0.516439	24.93597	33.39212	22.95914	24.5534	49.19955	33.16432
22356	LOC10324	24.95823	0.388265	0.582792	0.662615	0.505274	0.600827	17.88885	12.04306	35.4823	20.08914	32.08666	32.15934
10169	ORAI2	1750.547	0.388244	0.13758	2.821947	0.004773	0.012479	1685.889	1234.961	1631.49	1973.2	1848.192	2129.551
7155	OSBPL10	2502.955	0.388097	0.105507	3.678409	0.000235	0.000872	2114.679	2378.504	2014.142	2796.855	2733.783	2979.764
13752	B3GALT1	259.6462	0.388072	0.188589	2.05777	0.039612	0.076577	236.8917	249.0724	188.5432	305.8014	278.0844	299.4839
11034	DZANK1	399.6228	0.387799	0.147866	2.622646	0.008725	0.021022	332.2989	369.503	337.4297	433.0326	464.187	461.2856
22839	LOC11962	15.57769	0.387548	0.659991	0.587203	0.557068	0.648437	19.51511	11.49565	9.044508	20.08914	19.252	14.06971
17415	DES	94.54138	0.387521	0.271551	1.427067	0.153561	0.234419	80.77087	90.87036	73.05179	113.8385	111.2338	97.48301
14554	MFSD9	204.0662	0.387483	0.202232	1.916033	0.055361	0.101125	188.104	158.7494	185.0645	243.3018	198.9373	250.2399
8853	LOC10322	3137.685	0.387481	0.122768	3.156209	0.001598	0.0048	2997.738	2352.776	2811.45	3361.583	3351.986	3950.574
5491	ARFIP1	3097.679	0.387434	0.087771	4.414143	1.01E-05	4.91E-05	2787.408	2624.292	2640.996	3488.814	3523.115	3521.448
10928	FLN	2204.481	0.387219	0.146376	2.645366	0.00816	0.019852	2188.014	1511.404	2035.014	2470.965	2267.457	2753.644
14808	NAT14	695.8118	0.387115	0.206885	1.871161	0.061323	0.110094	689.5339	410.0114	712.4289	792.4051	660.9852	909.5064
7661	HACD2	4201.315	0.386825	0.110325	3.506229	0.000455	0.001577	3445.501	4132.959	3346.468	4495.504	4926.372	4861.086
21650	LOC11962	31.67322	0.386501	0.493574	0.783066	0.433588	0.532418	33.60935	21.34906	26.43779	53.57105	29.94755	25.12449
15510	LRRCS6	163.4587	0.386359	0.221804	1.741895	0.081527	0.139742	139.3162	121.5254	164.8883	185.2665	181.8244	187.9312
7546	SIAE	1156.936	0.386284	0.108993	3.544114	0.000394	0.001388	1002.86	1023.113	986.5471	1294.634	1238.545	1395.916
21432	LOC10323	35.63407	0.38623	0.474731	0.813576	0.415888	0.515834	37.40396	20.80165	33.39511	46.87467	49.19955	26.12947
7810	LONP2	3567.627	0.386102	0.111499	3.462826	0.000535	0.00182	2925.64	3540.112	2813.538	4024.525	3991.581	4110.366
10258	PTOV1	2846.5	0.38601	0.137862	2.799965	0.005111	0.013245	2683.328	2056.079	2670.217	3113.817	2864.269	3691.29
10469	LOC10323	1635.134	0.385856	0.140226	2.751669	0.005929	0.015057	1261.977	1717.231	1275.276	1874.987	1732.68	1948.655
22940	LOC10324	14.3408	0.385729	0.673009	0.573141	0.566549	0.65657	8.673382	13.6853	14.61036	15.62489	21.39111	12.05975
23729	LOC11962	8.131313	0.385561	0.857887	0.449431	0.653121	0.731741	8.673382	4.926706	7.653045	8.928508	8.556443	10.04979
23461	LOC11962	9.708882	0.385346	0.785076	0.490839	0.623354	0.706561	7.047123	9.853413	8.348776	13.39276	8.556443	11.05477
24566	LOC11962	4.369786	0.385341	1.19975	0.321184	0.748071	0.809552	2.168345	6.02153	3.478657	2.232127	4.278221	8.039836
19250	PAPPA2	81.90811	0.385178	0.336477	1.144737	0.252318	0.348461	56.91907	80.46954	73.74753	98.21359	119.7902	62.30873
12634	NFATC1	301.9712	0.384675	0.169137	2.274342	0.022945	0.048283	240.1443	290.1283	256.0291	328.1227	348.675	348.7279
7083	PLOD3	4744.586	0.384565	0.103885	3.701823	0.000214	0.000803	4187.075	4063.438	4104.815	5263.355	4845.086	6003.747
24317	ANXA2R	5.303744	0.384474	1.071577	0.388793	0.71975	0.78688	4.878777	4.379295	4.87012	2.232127	6.417332	9.044815
6098	SQOR	5032.649	0.384323	0.093239	4.121913	3.76E-05	0.000164	4497.691	4356.303	4250.919	5531.211	5401.254	6158.514
20809	USP43	37.41793	0.384316	0.425509	0.903191	0.366424	0.468134	34.15144	27.37059	36.17803	31.24978	51.33866	44.2191
12060	LOC11962	325											



12845	RNPEPL1	1766.355	0.383297	0.1719	2.229776	0.025762	0.05332	1734.676	1128.216	1740.024	2026.771	1694.176	2274.269
19734	LOC119621	63.88583	0.383293	0.360396	1.063532	0.287541	0.387366	46.61943	53.09895	67.48594	46.87467	89.84265	79.39338
18004	LOC103241	84.78086	0.383206	0.285528	1.342096	0.179565	0.265148	67.21871	81.01695	71.66033	109.3742	91.98176	87.43321
8648	TBC1D2	2453.626	0.382957	0.119086	3.215818	0.001301	0.003998	2250.201	1982.726	2163.725	2669.624	2487.786	3167.695
7161	TMEM214	3075.76	0.382941	0.104167	3.676211	0.000237	0.000879	2620.446	2829.572	2565.857	3245.513	3371.238	3821.937
8632	P3H1	1982.411	0.382744	0.11888	3.219581	0.001284	0.003954	1712.993	1791.679	1664.189	2241.055	1953.008	2531.543
24975	LOC119621	2.786918	0.382724	1.523107	0.251278	0.001599	0.853305	2.168345	1.642235	3.478657	0	6.417332	3.014938
10029	NAP1L3	573.5263	0.382587	0.134002	2.85509	0.004302	0.011405	503.5982	524.4205	466.14	676.3345	605.3683	665.2964
12019	SAP30	364.4084	0.382205	0.159037	2.403246	0.01625	0.035944	311.1576	347.0591	289.4243	408.4792	436.3786	393.952
20190	FAM47E	45.3376	0.382198	0.3828	0.998429	0.318072	0.418818	42.28274	37.224	37.56949	60.26743	53.47777	41.20416
22286	PGBD5	20.62457	0.382188	0.565037	0.676395	0.49879	0.595007	22.22554	16.96977	13.91463	29.01765	23.53022	18.08963
24042	LOC119621	7.161024	0.38218	0.95417	0.400537	0.688761	0.761614	9.215468	3.284471	6.261582	4.464254	10.69555	9.044815
8048	PEPD	2010.286	0.38217	0.112392	3.400327	0.000673	0.002223	1850.683	1670.701	1721.239	2216.502	2077.076	2525.513
19058	LOC103231	98.28703	0.382012	0.324852	1.175957	0.239612	0.334248	116.5486	69.5213	68.87741	95.98146	143.3204	95.47305
16079	ZNF527	143.9661	0.381244	0.23082	1.651693	0.098597	0.163021	140.4004	111.1246	124.5359	167.4095	145.4595	174.8664
12505	EFR3B	275.709	0.381088	0.16566	2.300415	0.021425	0.045545	237.4338	238.6716	242.1145	325.8905	301.6146	308.5287
13480	B3GAT3	1276.13	0.381064	0.180515	2.110978	0.034774	0.068581	1352.505	778.967	1196.658	1372.758	1369.031	1586.863
7624	MAPK3	1876.702	0.380882	0.108233	3.519075	0.000433	0.00151	1660.953	1598.442	1637.752	2093.735	1933.756	2335.572
11685	PLK3	354.7145	0.380604	0.153777	2.475039	0.013322	0.03031	306.8209	290.6757	327.6895	388.3901	410.7092	404.0017
23450	LOC103241	11.18423	0.380596	0.772546	0.492652	0.622258	0.705447	8.131296	10.40082	10.43597	6.696381	21.39111	10.04979
25467	LOC119621	1.538575	0.380558	2.245445	0.16948	0.865419	0.90334	3.252518	0	0.695731	0	4.278221	1.004979
8123	DVL3	1448.032	0.380227	0.11275	3.372315	0.000745	0.00244	1212.647	1344.443	1220.313	1696.417	1488.821	1725.55
22160	TMEM121	25.09757	0.380146	0.544264	0.698459	0.48489	0.581715	23.30971	13.6853	27.82925	35.71403	29.94755	20.09959
24645	LOC119621	4.367161	0.380088	1.233441	0.308152	0.757967	0.817632	1.626259	3.284471	6.261582	4.464254	8.556443	2.009959
14559	ADI1	215.9217	0.379619	0.198354	1.913847	0.05564	0.101599	201.114	189.9519	173.9328	245.534	209.6328	275.3644
19285	CPA5	60.25754	0.379414	0.333252	1.13852	0.254904	0.351393	56.91907	50.36189	49.39693	60.26743	81.28621	63.31371
6823	ZZEF1	4169.691	0.379388	0.099595	3.809316	0.000139	0.000543	3660.167	3635.362	3585.799	4475.415	4436.516	5224.888
21926	DAPK2	30.55887	0.379164	0.51191	0.740683	0.458885	0.556393	29.27266	18.612	31.30791	24.5534	53.47777	26.12947
20613	LOC103241	47.81201	0.379029	0.405447	0.934843	0.349869	0.451234	47.7036	33.93953	41.74388	53.57105	72.72976	37.18424
9543	ZNF304	937.0042	0.37882	0.127377	2.974002	0.002939	0.008189	779.5202	900.4924	763.2173	1142.849	979.7127	1056.233
7929	GNAI1	1856.517	0.378671	0.110379	3.430637	0.000602	0.002019	1534.104	1795.511	1514.607	2051.325	2072.798	2170.756
5187	CLTA	6425.354	0.378142	0.082438	4.586978	4.50E-06	2.30E-05	5592.163	5447.295	5723.782	7502.179	7106.126	7180.578
20092	CLEC11A	62.8757	0.377998	0.372791	1.013968	0.310598	0.410972	52.04029	38.31883	73.74753	87.05295	57.75599	68.3386
16938	LOC119621	108.7352	0.377941	0.251717	1.501455	0.133238	0.290123	86.19173	97.4393	99.48959	133.9276	119.7902	115.5726
9124	IMP3	738.2634	0.37785	0.122896	3.074559	0.002108	0.006143	686.8234	601.6056	637.9857	837.0476	829.9749	836.1429
10739	ACYP1	452.7724	0.377736	0.140798	2.682828	0.0073	0.018072	415.2382	370.0504	396.5669	513.3892	504.8301	516.5594
11751	COMTD1	444.1218	0.377615	0.153578	2.458793	0.01394	0.031538	388.6759	353.0806	416.7431	558.0317	457.7697	490.43
7813	CUNH12or	1771.275	0.377476	0.109013	3.462663	0.000535	0.00182	1488.569	1678.912	1451.296	2107.128	2004.347	1897.401
10784	LOC103231	491.0156	0.377455	0.141196	2.673274	0.007511	0.018516	427.1641	460.9207	392.3925	571.4245	545.4732	548.7188
11320	MYBL1	1142.866	0.377369	0.147814	2.552995	0.01068	0.025082	874.9274	1217.991	889.8404	1238.83	1324.11	1311.498
14900	STARD5	203.9773	0.377121	0.203308	1.854919	0.063608	0.113491	195.6932	153.8227	182.9774	209.8199	252.4151	229.1353
10099	SLC41A2	734.928	0.377098	0.132833	2.838896	0.004527	0.011917	601.1738	711.6354	607.3735	828.1191	782.9145	878.3521
7815	SLC23A2	3821.346	0.377027	0.108918	3.461572	0.000537	0.001827	3227.04	3393.406	3361.774	4205.327	3865.373	4875.155
10297	TBC1D8B	1941.537	0.376702	0.135048	2.789389	0.005281	0.013634	1495.616	2005.169	1570.961	2078.11	2098.468	2400.896
8760	NISCH	3119.807	0.376646	0.118238	3.185487	0.001445	0.004386	2921.846	2393.832	2833.714	3549.082	3172.301	3848.066
22943	CLEC4A	16.25205	0.37634	0.657298	0.572556	0.566945	0.656943	17.88885	12.59047	11.1317	22.32127	23.53022	10.04979
13681	MISP3	427.137	0.376305	0.181584	2.072345	0.038233	0.074295	317.1205	454.8992	341.6041	462.0503	536.9168	450.2308
7563	CC2D1B	2475.442	0.376248	0.106369	3.537186	0.000404	0.001421	2268.089	2062.648	2137.983	2790.159	2547.681	3046.093
5537	TAGLN2	18727.71	0.376081	0.085536	4.396775	1.10E-05	5.27E-05	16889.79	15542.12	16474.92	20819.05	20325.83	22314.56
9629	TMUB1	1109.883	0.37607	0.127331	2.953476	0.008775	0.008675	989.3076	856.6995	1052.642	1350.437	1152.981	1257.229
12172	BRF2	379.678	0.375948	0.158541	2.371304	0.017725	0.038711	352.8982	301.6239	339.5169	397.3186	421.4048	465.3055
10224	NHLRC3	689.4817	0.375792	0.133793	2.808748	0.004973	0.012932	571.9011	656.3468	571.8912	839.2797	716.6021	780.869
21758	LOC119621	28.42624	0.375217	0.488967	0.767366	0.442864	0.541113	30.89892	25.72836	17.39328	29.01765	36.36488	31.15436
9531	ATAD2B	1676.44	0.374931	0.125968	2.976393	0.002917	0.008134	1334.075	1703.546	1342.762	1890.612	1828.94	1958.705
8436	MAPK12	1542.21	0.374684	0.114499	3.272368	0.001067	0.003361	1406.714	1284.228	1343.457	1732.131	1572.246	1914.486
16701	TTL6	123.3391	0.374216	0.242558	1.542789	0.122882	0.19561	102.9964	121.5254	97.40239	131.6955	149.7377	136.6772
16182	LOC119621	152.5669	0.374146	0.229574	1.629741	0.103156	0.169473	138.232	122.0728	139.842	185.2665	139.0422	190.9461
6234	CD164	7750.899	0.374048	0.092142	4.059479	4.92E-05	0.00021	7042.244	6296.331	6921.831	8468.69	8509.382	9266.916
18584	LOC103211	82.61229	0.373997	0.302253	1.237362	0.215953	0.308927	77.51835	73.35318	63.31155	93.74933	113.3729	74.36848
22417	MIXL1	21.30337	0.373845	0.571686	0.653934	0.513154	0.608565	17.88885	20.80165	16.00182	31.24978	27.80844	14.06971
7311	BPNT1	1948.147	0.373697	0.102906	3.631424	0.000282	0.001025	1667.458	1819.049	1607.835	2160.699	2128.415	2305.423
18341	LOC119611	92.2987	0.373554	0.292675	1.276346	0.201833	0.292554	76.43418	72.25836	92.53227	82.5887	130.4858	99.49297
19924	TFAP2E	73.91952	0.373379	0.357774	1.043616	0.296663	0.395844	79.6867	41.05589	73.74753	73.66019	74.86887	100.4979
10757	NAA80	493.1191	0.373366	0.139409	2.678208	0.007402	0.018292	406.0227	454.8992	429.962	553.5675	528.3603	585.903
23183	LOC119621	14.09944	0.373286	0.700932	0.532556	0.594341	0.681558	15.17842	12.59047	8.348776	22.32127	17.11289	9.044815
9461	WDR20	1056.154	0.373278	0.124649	2.994632	0.002748	0.007721	918.2943	1003.406	840.4435	1241.063	1084.529	1249.189
11011	MVD	4096.142	0.37324	0.142086	2.626852	0.008618	0.020807	3940.426	2769.356	4000.455	4738.806	4237.578	4890.23
8610	CEBPZOS	1096.317	0.373215	0.11569	3.225996	0.001255	0.003876	917.7522	1035.156	910.0166	1290.169	1244.962	1179.846
7094	MPP5	4155.597	0.373215	0.100884	3.699443	0.000216	0.00081	3519.225	4003.77	3340.902	4613.806	4661.122	4794.757
8987	TOB2	5841.801	0.373151	0.1									



6111	TMEM30A	7096.881	0.372757	0.090603	4.114176	3.89E-05	0.000169	6210.141	6322.606	6029.208	7671.82	7698.659	8648.853
11439	S100A13	4660.372	0.37275	0.147429	2.528342	0.01146	0.026634	4634.296	3033.209	4518.775	5307.998	5078.249	5389.705
24734	TRNAQ-UL	3.44726	0.372589	1.270591	0.293241	0.769338	0.826912	2.710432	2.737059	3.478657	4.464254	4.278221	3.014938
6670	LOC103240	5463.459	0.372567	0.096311	3.868361	0.00011	0.000437	5026.767	4515.053	4749.758	6008.886	5833.355	6646.934
6687	TRIO	10998.43	0.372535	0.096446	3.862616	0.000112	0.000446	9925.601	9707.801	9132.17	12013.31	11581.15	13630.54
16250	LOC103240	171.0068	0.372296	0.230203	1.617249	0.105825	0.173129	149.6158	137.4004	163.4969	162.9453	175.4071	237.1752
7698	LOC103230	5986.888	0.372289	0.106553	3.49394	0.000476	0.001644	4935.154	5784.501	4931.084	6627.185	6306.098	7327.305
10381	NAPA	2627.607	0.372191	0.134386	2.76957	0.005613	0.014375	2458.904	1944.407	2474.716	2758.909	2718.81	3409.895
17018	LOC119620	106.0305	0.372134	0.249708	1.490274	0.136152	0.212694	94.32303	91.96518	90.44508	127.2312	117.6511	114.5677
11668	CCDC28A	356.5963	0.372021	0.150126	2.478061	0.01321	0.030096	313.868	301.6239	317.9492	395.0865	400.0137	411.0366
12286	LOC119620	684.7978	0.37185	0.15841	2.347386	0.018906	0.040909	613.0997	684.8122	491.1863	720.977	862.0616	736.65
9051	STAT2	1852.263	0.371833	0.1201	3.096035	0.001961	0.005761	1737.929	1621.981	1490.257	1988.825	1920.921	2353.662
7818	SLC12A6	1351.664	0.371765	0.107409	3.461201	0.000538	0.001829	1188.253	1215.254	1134.738	1542.4	1420.369	1608.972
8887	KIAA2013	2780.534	0.371679	0.118089	3.147455	0.001647	0.004927	2529.917	2214.828	2535.245	3028.996	2823.626	3550.592
15165	METTL25	189.0605	0.371424	0.206013	1.802918	0.071401	0.12517	179.4306	149.9908	163.4969	212.0521	237.4413	191.9511
25442	TRNAD-GU	1.583767	0.371226	2.137332	0.173687	0.862112	0.900843	2.168345	0	2.087194	2.232127	0	3.014938
7768	ATXN1L	3719.061	0.371223	0.106904	3.472507	0.000516	0.001765	3061.162	3603.065	3068.871	4151.756	3957.355	4472.159
5668	PRSS23	6671.812	0.370962	0.08548	3.439745	1.43E-05	6.69E-05	5843.691	6043.974	5571.417	7432.983	7337.15	7801.656
24721	LOC119620	4.408272	0.370939	1.254996	0.29557	0.767559	0.825434	1.084173	3.284471	6.957314	6.696381	6.417332	2.009959
8085	SLC10A3	3036.632	0.370833	0.109504	3.386489	0.000708	0.002328	2616.109	2648.378	2686.915	3502.207	2990.477	3775.708
21484	LOC103240	34.76889	0.370647	0.459311	0.806964	0.419687	0.519335	28.18849	26.27577	37.56949	24.5534	42.78221	49.24399
8613	ZNF654	1327.638	0.370552	0.114883	3.225488	0.001258	0.003882	1169.28	1256.858	1045.684	1549.096	1486.682	1458.225
12819	MEAK7	330.0824	0.370405	0.16576	2.234587	0.025444	0.052765	316.5784	282.4645	266.4651	348.2118	365.7879	400.9868
22418	LOC103240	19.76946	0.370345	0.566374	0.653887	0.513184	0.608574	14.63633	15.32753	21.56767	22.32127	25.66933	19.09461
13078	SLC12A9	1232.617	0.370063	0.168893	2.191108	0.028444	0.05782	1240.836	809.6221	1179.265	1372.758	1221.432	1571.788
22320	IZUMO1	25.00016	0.370028	0.550557	0.672097	0.501522	0.597355	22.22554	21.34906	20.87194	24.5534	44.92132	16.07967
23954	LOC119620	8.708842	0.36974	0.892751	0.414158	0.678759	0.75331	7.589209	6.568942	8.348776	4.464254	19.252	6.029877
7455	MCM4	5423.741	0.369558	0.103239	3.579647	0.000344	0.001227	4689.589	4849.521	4667.662	5767.816	5685.756	6882.099
12455	LPIN3	521.7621	0.36924	0.159858	2.309794	0.0209	0.04461	495.4669	435.7398	439.7022	508.925	558.3079	692.4309
17035	SCAND1	407.2749	0.369156	0.248126	1.487775	0.13681	0.213508	415.7802	205.8268	445.9638	433.0326	455.6306	487.415
11589	PPP1R9B	3566.286	0.369132	0.147861	2.496484	0.012543	0.028774	2682.785	3940.818	2713.352	4247.738	3766.974	4046.047
7737	TP53INP1	1943.869	0.36906	0.106014	3.48123	0.000499	0.001715	1664.205	1800.985	1629.403	2075.878	2121.998	2370.747
25313	LOC119620	1.862605	0.368969	1.867257	0.197599	0.843359	0.885738	1.084173	2.189647	1.391463	2.232127	4.278221	0
16507	LOC103220	345.4025	0.368289	0.233914	1.574465	0.11538	0.185828	356.1507	198.7105	351.3443	412.9435	325.1448	428.1213
16802	LOC103220	180.242	0.367887	0.241271	1.52479	0.127312	0.201439	184.8515	116.0513	171.1499	225.4448	183.9635	199.9909
7225	LENG8	5667.599	0.367597	0.100445	3.659677	0.000253	0.000929	4612.613	5341.097	4900.036	6191.92	6070.796	6889.134
11151	SBF1	5551.538	0.367594	0.141823	2.591921	0.009544	0.022754	5405.685	3802.322	5339.738	6392.812	5565.966	6802.706
16427	TBX19	139.5681	0.367592	0.231943	1.584837	0.113003	0.182881	132.2691	112.7668	121.753	133.9276	166.8506	169.8415
6923	TBC1D9	3308.467	0.367478	0.097601	3.765108	0.000166	0.000639	2775.482	3062.222	2835.105	3669.617	3531.672	3976.704
17095	ZNF565	113.3681	0.367438	0.24786	1.48244	0.138223	0.214956	97.57555	105.6505	92.53227	138.3919	130.4858	115.5726
8975	SPACA6	892.1468	0.367114	0.117524	3.123731	0.001786	0.00529	761.6313	832.066	741.6496	1037.939	1011.799	967.7952
10503	STX4	532.2833	0.367017	0.133762	2.743818	0.006073	0.015372	458.6051	482.8172	453.6169	562.496	633.1768	602.9877
23710	LOC119620	10.03139	0.367014	0.810912	0.452594	0.650841	0.72977	4.878777	13.13788	8.348776	8.928508	12.83466	12.05975
12524	RABGEF1	855.8423	0.366983	0.159777	2.296848	0.021627	0.045909	642.3723	926.2208	672.0765	1024.546	958.3216	911.5164
23997	VSNL1	8.729009	0.36669	0.901436	0.406784	0.684166	0.757952	7.589209	9.853413	4.87012	8.928508	17.11289	4.019918
9471	CDKL2	863.661	0.366622	0.122524	2.992244	0.002769	0.007774	715.554	829.8763	718.6905	968.7431	956.1825	992.9197
14358	SLC2A8	336.8717	0.366596	0.187944	1.95056	0.051109	0.09464	325.7939	238.1241	321.4279	337.0512	380.7617	418.0715
13980	SYT3	238.1423	0.366555	0.181879	2.015384	0.043864	0.083415	214.1241	203.6372	207.3279	236.6055	288.7799	278.3793
24793	LOC119610	5.306255	0.366389	1.298339	0.282199	0.777791	0.834009	4.878777	1.094824	7.653045	2.232127	14.97377	1.004979
17644	GLRA2	106.3803	0.366373	0.261927	1.398761	0.161885	0.243919	97.03346	99.62895	80.70484	122.767	132.6249	105.5228
10221	BRPF3	1493.349	0.366293	0.130321	2.810701	0.004943	0.012858	1213.189	1490.602	1214.747	1618.292	1552.994	1870.267
13955	SRD5A3	259.1146	0.366073	0.18116	2.02071	0.04331	0.082507	247.1914	200.9001	232.3743	276.7837	290.9191	306.5187
24908	LOC119610	3.151929	0.366062	1.390788	0.263205	0.792393	0.845743	4.336691	1.642235	2.087194	6.696381	2.139111	2.009959
11518	DCDC2	1885.218	0.365755	0.14576	2.509288	0.012097	0.027922	1483.148	2045.131	1415.118	2033.468	2113.441	2221.005
13433	IFI44L	483.7628	0.365718	0.172448	2.120745	0.033943	0.067177	362.6558	519.4938	385.4352	533.4783	566.8643	534.6491
11328	HMBOX1	1074.229	0.365633	0.143303	2.551459	0.010727	0.025177	828.308	1123.836	863.4026	1158.474	1283.466	1187.886
17183	HOXA4	146.7769	0.365312	0.248488	1.470136	0.141525	0.218963	118.1748	151.6331	113.4042	203.1236	147.5986	146.727
23804	LOC119620	9.055779	0.365267	0.837984	0.435887	0.662919	0.740367	8.673382	8.211177	6.957314	4.464254	14.97377	11.05477
21310	LOC119620	35.54889	0.365035	0.439104	0.831317	0.405794	0.506243	32.52518	34.48694	27.13352	37.94616	29.94755	51.25395
7607	AHSA1	2924.176	0.364951	0.103586	3.523179	0.000426	0.00149	2433.426	2793.99	2442.713	3399.529	3084.598	3390.801
11159	IRAK4	548.5383	0.364896	0.140892	2.589897	0.0096	0.022872	520.945	426.9812	490.4906	618.2992	622.4812	612.0325
7391	CLPX	2645.839	0.36466	0.101228	3.602376	0.000315	0.001134	2137.447	2520.831	2281.303	2959.8	2996.894	2978.759
20726	LOC103220	51.17319	0.364315	0.398433	0.91437	0.360522	0.462438	47.16151	30.65506	56.35424	46.87467	72.72976	53.26391
21810	LOC103210	40.61783	0.364239	0.480275	0.758397	0.448213	0.546343	26.56223	51.45671	27.13352	55.80317	55.61688	27.13445
22185	LOC119620	25.04999	0.364224	0.524638	0.69424	0.487532	0.584215	26.02015	20.80165	18.08902	26.78552	38.50399	20.09959
8758	RAB3D	1827.683	0.364204	0.114325	3.185695	0.001444	0.004383	1674.505	1546.438	1580.006	1993.289	1867.444	2304.418
10814	KMT2C	4296.032	0.36408	0.136514	2.66699	0.007653	0.018815	3315.4	4634.936	3321.422	4691.931	4725.295	5087.206
22319	LOC119620	40.41192	0.363972	0.541482	0.672177	0.501471	0.597321	18.97302	66.23683	20.87194	37.94616	49.19955	49.24399
20713	LOC103240	50.77524	0.363896	0.396603	0.917531	0.358865	0.4606	44.99317	32.2973	54.96278	71.42806	57.75599	43.21412
23209	LOC119620	15.10894	0.363821	0.688832	0.52817								



7564	NDST1	3769.814	0.363086	0.102648	3.537188	0.000404	0.001421	3446.585	3159.114	3294.288	4203.095	3871.79	4644.01
22834	LOC119621	17.21339	0.363046	0.617168	0.588245	0.556368	0.64781	17.34676	14.78012	13.2189	11.16063	25.66933	21.10457
20370	LOC103221	47.35587	0.363039	0.375798	0.966048	0.33402	0.435932	44.99317	43.24553	36.17803	42.41041	62.03421	55.27387
24289	TIMD4	6.85677	0.363014	0.998302	0.363631	0.716134	0.783829	7.589209	3.831883	6.261582	4.464254	14.97377	4.019918
14308	RNH1	5618.574	0.362989	0.185224	1.959728	0.050028	0.092954	6007.401	3254.911	5487.233	6229.866	5525.323	7206.708
7047	CTDSP1	2654.522	0.362936	0.097737	3.713407	0.000204	0.000771	2374.338	2244.936	2353.659	2899.533	2840.739	3213.924
9840	PLCL2	712.271	0.362886	0.125286	2.896472	0.003774	0.010196	655.9245	621.8598	594.1546	787.9408	761.5234	852.2226
10548	TNK2	2293.747	0.362746	0.132668	2.734249	0.006252	0.015757	2201.413	1718.873	2105.979	2508.911	2303.822	2923.485
21267	SLC9A9	41.11272	0.362707	0.431871	0.839852	0.400992	0.501254	35.23561	48.71965	23.65487	44.64254	49.19955	45.22408
11681	PHYKPL	479.6985	0.362695	0.146507	2.475608	0.013301	0.030272	452.6421	412.7485	396.5669	502.2286	524.0821	589.9229
24909	LOC103211	4.380155	0.362296	1.37864	0.262792	0.792711	0.846048	2.168345	5.474118	3.478657	4.464254	10.69555	0
22930	LOC119621	16.12224	0.362195	0.630563	0.574399	0.565698	0.655869	14.09425	13.6853	14.61036	24.5534	10.69555	19.09461
10430	LOC103231	1909.661	0.362142	0.131183	2.760581	0.00577	0.014707	1804.606	1485.128	1730.284	2069.182	1899.53	2469.235
5976	STMN1	4699.677	0.362099	0.086745	4.174297	2.99E-05	0.000133	4048.301	3995.559	4292.663	5430.765	5311.412	5119.365
5954	TMEM64	4442.21	0.362055	0.086525	4.184388	2.86E-05	0.000128	3925.247	4034.425	3703.378	5026.75	4928.511	5034.947
13052	LOC103221	336.886	0.362023	0.164854	2.196024	0.02809	0.057216	271.0432	303.8136	310.2962	339.2833	414.9875	381.8922
19961	STMN4	57.18195	0.362019	0.349442	1.035992	0.300206	0.399815	40.65648	58.57306	50.78839	58.0353	72.72976	62.30873
22079	LOC119621	28.93011	0.361991	0.507981	0.712608	0.476088	0.573251	16.80468	33.39212	25.04633	35.71403	38.50399	24.11951
23067	LOC103221	19.75683	0.361672	0.656321	0.551059	0.581593	0.670264	13.55216	21.34906	16.00182	20.08914	38.50399	9.044815
8333	FBXO31	2057.847	0.361597	0.109482	3.302792	0.000957	0.003054	1790.511	1802.627	1817.25	2283.466	2083.494	2569.733
19301	LOC103211	69.30938	0.361576	0.318424	1.13552	0.256158	0.352844	65.59245	57.47824	57.7457	95.98146	72.72976	66.32864
19225	MPZ	80.09283	0.361399	0.314256	1.150017	0.250137	0.345898	61.25576	88.1333	61.92009	75.89232	89.84265	103.5129
22759	LOC103211	16.63924	0.361323	0.60247	0.599736	0.548682	0.64092	15.17842	15.32753	13.2189	15.62489	21.39111	19.09461
10109	ABI1	3687.648	0.361293	0.127353	2.83693	0.004555	0.011979	2843.243	3877.318	2963.12	4111.578	4250.413	4080.217
9754	HSPA4L	4846.401	0.361161	0.123867	2.915718	0.003549	0.009672	3792.436	5073.413	3863.396	5334.783	5439.758	5574.621
8168	GAK	2768.21	0.361103	0.107522	3.358407	0.000784	0.002552	2422.584	2448.026	2405.143	3209.799	2735.923	3387.786
6865	ANKZF1	5070.082	0.360939	0.095219	3.790617	0.00015	0.000582	4619.66	4395.169	4308.664	5573.621	5347.777	6175.599
24388	CYP2C9	6.29813	0.360384	1.03469	0.348302	0.727614	0.793161	5.420864	4.379295	6.261582	11.16063	8.556443	2.009959
20491	LOC119621	52.27237	0.360012	0.379622	0.948342	0.342955	0.44495	42.82482	56.38342	36.87376	71.42806	59.8951	46.22906
8510	LOC103231	1299.451	0.35987	0.110588	3.254137	0.001137	0.003553	1227.284	1066.358	1122.91	1412.936	1456.734	1510.484
18392	CUNH15or	113.2519	0.359718	0.284112	1.266115	0.205472	0.297003	72.09749	124.2625	101.5768	118.3027	132.6249	130.6473
9822	RCCD1	843.9574	0.359657	0.124012	2.900177	0.00373	0.010095	800.6616	678.2432	740.9539	933.0291	921.9567	988.8998
11992	FOXp2	681.5556	0.359604	0.149334	2.408051	0.016038	0.035554	544.7968	703.4242	544.0619	772.3159	718.7412	805.9935
13087	CEP162	679.3358	0.359388	0.164099	2.190067	0.028519	0.057938	539.3759	736.2689	510.6668	749.9947	733.715	805.9935
9456	INPP5F	2366	0.359261	0.119916	2.995954	0.002736	0.007692	1949.885	2405.328	1863.864	2660.695	2594.741	2721.484
8080	SH3GL1	2530.637	0.359181	0.10601	3.388173	0.000704	0.002315	2210.628	2138.191	2308.437	2883.908	2558.376	3084.282
11981	TMED1	986.8281	0.359117	0.149054	2.409307	0.015983	0.035465	989.8497	692.4759	912.1038	1142.849	1063.138	1120.552
18904	GPX6	71.16101	0.359089	0.29835	1.203585	0.22875	0.321695	62.33993	63.49977	61.22436	80.35657	79.14709	80.39836
18169	GATA6	133.7685	0.359019	0.27423	1.30919	0.19047	0.278697	102.9964	153.2753	95.3152	124.9991	173.268	152.7569
14406	PLA2G4C	220.0471	0.358599	0.184634	1.942213	0.052111	0.096167	193.5248	187.2148	197.5877	267.8552	228.8848	245.215
17906	LOC103231	116.5551	0.358589	0.263604	1.360336	0.173724	0.257923	100.8281	104.0082	100.1853	169.6417	109.0946	115.5726
23362	LOC103211	11.95881	0.358523	0.710395	0.504681	0.613783	0.69843	10.84173	12.04306	8.348776	15.62489	12.83466	12.05975
5843	FTL	205395.4	0.35851	0.084302	4.252669	2.11E-05	9.61E-05	179990	188873.5	171156.9	228851.1	221733.8	241766.9
10439	NAGK	1141.266	0.358316	0.129955	2.757227	0.005829	0.014847	1027.254	1007.238	972.6325	1227.67	1129.45	1483.35
10638	ING4	630.5009	0.358194	0.132225	2.708971	0.006749	0.016867	571.9011	515.1145	571.1955	756.691	654.5679	713.5354
12089	LZTFL1	682.6896	0.358067	0.149869	2.389202	0.016885	0.037131	567.0223	690.8337	533.626	832.5834	778.6363	693.4358
13075	LOC103231	914.2676	0.35803	0.16334	2.19194	0.028384	0.057712	885.7691	603.7952	914.8868	1044.635	1022.495	1014.024
7394	SELENOS	1486.32	0.357889	0.099374	3.601429	0.000316	0.001138	1337.869	1312.694	1258.578	1685.256	1632.141	1691.38
8833	INAVA	3011.779	0.357453	0.113041	3.162148	0.001566	0.004713	2835.112	2450.215	2643.083	3220.959	3129.519	3791.788
7727	SHOCA16	13157.95	0.35724	0.102546	3.483717	0.000495	0.001701	12134.06	10331.85	12150.95	14631.59	13833.63	15865.61
10219	CHIC1	1039.18	0.357087	0.127022	2.811223	0.004935	0.012839	874.9274	1018.733	842.5307	1080.349	1174.372	1244.165
26591	TRNAN-GL	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
27138	LOC103231	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
27658	TRNAT-CG	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
28539	SGS1L2	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
28633	LOC119621	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
28708	LOC119621	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
29079	LOC119621	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
29514	LOC119621	0.399407	0.356982	4.013031	0.088956	0.929117	NA	0	0	1.391463	0	0	1.004979
16323	LOC119621	220.3981	0.356596	0.222742	1.600937	0.109391	0.178163	219.0029	167.508	195.5005	267.8552	186.1026	286.4191
10725	USP35	1129.646	0.356165	0.132609	2.685829	0.007235	0.017934	1067.368	902.6821	1008.115	1232.134	1129.45	1438.126
9847	ELOVL6	2532.424	0.356003	0.122978	2.894857	0.003793	0.010241	2003.551	2606.775	2053.799	2752.213	2939.138	2839.067
25227	LOC119621	2.489279	0.355941	1.69105	0.210485	0.833289	0.878122	3.252518	1.642235	1.391463	2.232127	6.417332	0
13674	ZNF786	284.2155	0.355663	0.171516	2.073641	0.038113	0.074099	234.1813	275.8956	238.6359	312.4978	314.4493	329.6333
16351	DNAJC28	178.6764	0.355632	0.22285	1.595839	0.110525	0.179701	135.5216	189.9519	144.0164	203.1236	207.4937	191.9511
11741	LOC119611	3622.118	0.355543	0.144516	2.460236	0.013885	0.031439	2758.678	4008.697	2764.836	4153.988	4122.066	3924.445
9167	SYVN1	1011.507	0.355535	0.116095	3.06246	0.002195	0.006366	845.6547	960.1603	858.5325	1109.367	1114.477	1180.851
10995	CAMKK2	671.1124	0.355386	0.135119	2.630164	0.008534	0.020634	597.3792	638.2822	532.2345	698.6557	772.219	787.9039
11361	MFSD13A	642.7404	0.355309	0.139567	2.545794	0.010903	0.025513	616.8943	503.0715	574.6741	680.7987	710.1847	770.8193
18297	CUNH22or	99.30397	0.355278	0.276629	1.284312	0.199033	0.289189	84.56547	104.0082	72.35606	120.5349	104.8164	109.5428
6974	LOC103241	2244.551	0.355189	0.094825	3.745745	0.00018	0.000686	1925.491	2054.984	1931.35	2477.661	2457.838	2619.



12163	LOC103221	2503.502	0.354815	0.149514	2.373119	0.017639	0.038547	2516.907	1751.17	2328.613	2640.606	2547.681	3236.034
12075	AGRN	11416.84	0.354584	0.148197	2.392653	0.016727	0.036824	11147.46	7780.364	11139.35	12959.73	11001.45	14472.71
12820	PIM2	317.8821	0.354482	0.158633	2.234608	0.025443	0.052765	275.922	276.9904	285.9456	350.4439	340.1186	377.8723
18324	FBXL15	102.9172	0.354439	0.27711	1.279055	0.200878	0.291425	86.19173	81.01695	105.7512	111.6063	96.25998	136.6772
20774	FAM177B	52.30827	0.354331	0.390491	0.9074	0.364195	0.466069	59.6295	30.65506	47.30973	55.80317	64.17332	56.27885
9893	DCTN1	7131.584	0.354269	0.122751	2.88607	0.003901	0.010483	5774.846	7411.409	5596.463	8111.549	7448.383	8446.852
9485	GSTT2B	961.9222	0.354082	0.118497	2.988103	0.002807	0.007868	884.1429	841.372	811.9185	1031.243	1031.051	1171.806
21128	LOC119621	43.73632	0.353952	0.411109	0.860969	0.389255	0.489793	37.94605	38.31883	37.56949	49.10679	66.31243	33.16432
22639	LOC103231	20.73928	0.353704	0.572969	0.617318	0.537025	0.630625	15.17842	17.51718	21.56767	17.85702	34.22577	18.08963
12840	LOC103221	306.5397	0.353687	0.158549	2.23078	0.025696	0.053202	274.2957	269.3266	264.3779	341.5154	337.9795	351.7428
11180	FOXO1	1509.41	0.35367	0.136799	2.585329	0.009729	0.023134	1201.263	1572.714	1204.311	1683.024	1570.107	1825.043
10711	RERE	1274.339	0.353605	0.131488	2.689266	0.007161	0.017774	1001.776	1301.745	1054.033	1345.973	1480.265	1462.245
22620	CAGE1	20.42397	0.353242	0.568045	0.621855	0.534037	0.627647	21.68345	14.78012	17.39328	15.62489	29.94755	23.11453
16047	LOC119621	577.8741	0.35304	0.213018	1.657327	0.097453	0.161451	380.0025	711.0879	431.3534	638.3883	648.1505	658.2616
8124	TMED5	3307.367	0.353033	0.104687	3.37227	0.000746	0.00244	2734.826	3231.919	2746.052	3859.348	3595.845	3676.215
19198	VSIG8	70.07904	0.353022	0.306017	1.153602	0.248663	0.344344	59.08741	66.78424	58.44144	87.05295	72.72976	76.37844
24293	LOC103241	6.336998	0.352803	0.971656	0.363095	0.716534	0.784138	6.505036	4.926706	5.565851	6.696381	4.278221	10.04979
23228	LOC103241	23.5924	0.352783	0.672067	0.524923	0.599637	0.686248	8.131296	30.65506	22.95914	46.87467	12.83466	20.09959
12805	AGPAT2	1103.468	0.352573	0.157562	2.237675	0.025242	0.052407	1091.762	768.0188	1051.946	1214.277	1105.92	1388.882
12004	PIAS1	2203.095	0.352154	0.146413	2.405203	0.016163	0.035797	1715.703	2421.75	1668.364	2573.642	2365.856	2473.254
23429	LOC103231	12.32428	0.351708	0.709983	0.495374	0.620336	0.703898	10.84173	13.13788	8.348776	17.85702	10.69555	13.06473
11731	PIGQ	873.732	0.351576	0.142719	2.46341	0.013762	0.031188	803.9141	699.5923	805.6569	941.9576	855.6443	1135.627
21339	TMEM220	48.09746	0.351425	0.425481	0.825946	0.408834	0.509346	39.5723	49.81448	36.17803	42.41041	83.42532	37.18424
14724	LOC103241	237.5716	0.351227	0.186368	1.88459	0.059485	0.107402	185.9356	217.3225	224.0255	276.7837	225.9977	275.3644
25311	IGFBP1	3.204257	0.351079	1.776054	0.197674	0.8433	0.885738	5.420864	2.737059	0	8.928508	2.139111	0
24840	LOC103211	3.77607	0.350882	1.276259	0.27493	0.78337	0.838402	3.252518	1.642235	4.87012	4.464254	6.417332	2.009959
12152	HS1BP3	1349.226	0.350867	0.147728	2.375093	0.017545	0.038382	1323.233	977.6775	1262.057	1372.758	1431.065	1728.565
7663	MYO5A	7429.807	0.350864	0.100116	3.504555	0.000457	0.001587	6332.111	7132.776	6132.176	7964.229	8060.169	8957.382
10025	IGFBP2	3568.502	0.350411	0.122713	2.855533	0.004296	0.011394	3434.117	2685.602	3297.071	3915.151	3679.27	4399.8
25098	LOC119621	2.844644	0.350322	1.520294	0.23043	0.817758	0.866208	3.794605	2.737059	0.695731	6.696381	2.139111	1.004979
10598	PRKACA	1130.768	0.350298	0.12866	2.72266	0.006476	0.016245	885.7691	1122.742	976.8068	1218.741	1227.85	1352.702
12135	ACP2	1311.049	0.350109	0.14718	2.378788	0.01737	0.03805	1270.65	978.2249	1214.747	1426.329	1274.91	1701.43
13615	LOC119621	872.4282	0.350087	0.167785	2.086523	0.036931	0.072113	961.6612	622.9546	715.9076	915.1721	1063.138	955.7355
9624	SPPL3	1289.834	0.350072	0.118494	2.954343	0.003133	0.008655	1177.954	1200.474	1026.9	1419.633	1358.335	1555.708
21634	LOC103221	36.51564	0.350016	0.446302	0.784259	0.432888	0.531932	37.94605	26.82318	30.61218	37.94616	55.61688	30.14938
20162	LOC119611	53.59222	0.349956	0.349363	1.001696	0.31649	0.417323	45.53526	50.36189	45.91827	49.10679	66.31243	64.31869
16252	CUNH9orf1	1186.694	0.349919	0.216462	1.616539	0.105978	0.173359	1265.23	628.4288	1238.402	1392.847	1155.12	1440.136
20020	TMED6	72.61002	0.349864	0.341367	1.024891	0.305415	0.405567	73.72375	61.85754	55.65851	55.80317	111.2338	77.38342
13446	TREX1	500.0721	0.34985	0.165185	2.117922	0.034182	0.06758	471.0731	363.4814	487.7077	540.1747	521.943	616.0524
8027	PKM	34304.46	0.349824	0.102769	3.403979	0.000664	0.0022	32200.47	27710.36	30692.89	37018.48	35355.22	42249.34
17851	LOC103231	230.6543	0.34961	0.255397	1.368892	0.171033	0.254701	241.2284	130.284	235.8529	270.0874	282.3626	224.1104
6631	UBR2	5837.084	0.349585	0.089934	3.887113	0.000101	0.000407	5181.262	5338.907	4884.034	6403.972	6306.098	6908.229
15171	PRR5	602.8501	0.349368	0.193895	1.801843	0.07157	0.125415	611.4734	394.1365	587.893	700.8879	551.8906	770.8193
20149	TDRD12	63.36552	0.349358	0.347995	1.003917	0.315419	0.41617	54.20864	58.02565	53.57132	98.21359	59.8951	56.27885
9455	MAP4K2	877.3278	0.349324	0.116592	2.996109	0.002734	0.007689	780.6044	776.23	760.4344	1004.457	909.122	1033.119
23728	LOC119621	12.04829	0.349298	0.777225	0.449417	0.653131	0.731741	5.96295	8.758589	16.69755	17.85702	14.97377	8.039836
14411	LOC103231	319.396	0.349287	0.179908	1.941472	0.052201	0.096299	272.6694	316.404	251.159	345.9797	408.5701	321.5934
10187	GPSM3	755.4002	0.34907	0.123852	2.818439	0.004826	0.012594	636.9515	712.7302	642.8558	814.7263	892.0091	833.128
7770	ADAM10	9634.701	0.348972	0.100517	3.471792	0.000517	0.001769	8058.114	9298.884	8073.267	10461.98	10276.29	11639.67
12281	ZSCAN30	387.8671	0.348706	0.148432	2.349266	0.01881	0.040721	350.1878	326.2574	346.4742	462.0503	417.1266	425.1063
9023	CENPB	2820.279	0.348619	0.112137	3.108879	0.001878	0.005533	2579.789	2289.276	2581.163	3073.639	2881.382	3516.423
12868	GCC2	3839.88	0.348606	0.156668	2.225132	0.026072	0.053865	2887.694	4413.781	2831.627	4412.915	4297.473	4195.789
10706	REEP4	871.7625	0.348068	0.129393	2.690002	0.007145	0.017743	829.9342	703.9716	771.5661	928.5648	926.2349	1070.303
8134	FGD6	5207.95	0.347886	0.103255	3.369183	0.000754	0.002464	4412.583	5101.878	4236.308	5544.603	5927.476	6024.852
14055	BLOC1S3	301.7496	0.347647	0.173486	2.003896	0.045081	0.085271	243.3968	295.6024	257.4206	312.4978	367.927	323.6532
25513	LOC119621	1.275596	0.347646	2.138979	0.162529	0.87089	0.907376	2.168345	0.547412	0.695731	2.232127	0	2.009959
25515	LOC119611	1.275596	0.347646	2.138979	0.162529	0.87089	0.907376	2.168345	0.547412	0.695731	2.232127	0	2.009959
13617	GET4	1940.12	0.347504	0.166593	2.085948	0.036983	0.072204	2003.551	1252.478	1869.43	2220.966	1914.504	2379.791
21447	LOC103231	37.62829	0.347293	0.427746	0.811916	0.41684	0.516701	28.18849	40.50847	29.91645	51.33892	40.6431	35.17428
8933	ACSS3	1731.651	0.347222	0.110712	3.136248	0.001711	0.005092	1556.33	1614.317	1406.073	1872.755	1846.053	2094.377
11669	PTGDS	689.9486	0.347071	0.140055	2.478105	0.013208	0.030096	636.4094	571.4979	619.2009	743.2983	690.9327	878.3521
23039	LOC103211	18.0135	0.346946	0.624025	0.555981	0.578224	0.66722	14.63633	21.89647	10.43597	26.78552	19.252	15.07469
12577	SEC24B	2776.769	0.346581	0.151436	2.288636	0.022101	0.046716	2088.659	3112.036	2133.808	2908.461	3260.005	3157.645
21166	SPATA17	45.47574	0.346523	0.405036	0.855537	0.392254	0.492681	28.73058	52.55153	38.96096	46.87467	53.47777	52.25893
21285	LOC103231	46.32362	0.346153	0.413337	0.837458	0.402335	0.502517	37.94605	38.86624	44.52681	42.41041	77.00798	37.18424
8079	SLC39A7	3101.259	0.346141	0.102128	3.38929	0.000701	0.002306	2680.617	2947.265	2568.64	3455.333	3266.422	3689.28
8672	SEC23B	3081.126	0.346062	0.107779	3.210842	0.001323	0.004057	2675.196	2881.576	2588.816	3428.547	3118.823	3793.797
9968	RAB10	11113.43	0.345918	0.120497	2.87076	0.004095	0.010921	8824.624	11706.4	8830.918	12424.02	12355.5	12539.13
15781	ZSWIM3	249.8735	0.345797	0.20282	1.704942	0.088205	0.148583	236.3497	194.3312	233.07	263.391	237.4413	334.6582
22386	LOC119621	28.06319	0.345672	0.523238	0.660641	0.508843	0.604288	23.					



5324	CMTM6	12052.71	0.344518	0.076435	4.507358	6.56E-06	3.28E-05	10726.26	10656.47	10479.11	13319.1	13564.1	13571.24
8332	AGO2	6625.912	0.344392	0.104243	3.303755	0.000954	0.003044	5692.991	6124.991	5704.997	7408.429	6618.408	8205.657
20048	LOC119621	110.7024	0.344326	0.337321	1.020766	0.307365	0.407587	70.47123	99.08154	121.0573	127.2312	168.9897	77.38342
22172	PPP1R1A	28.63725	0.344309	0.494951	0.695642	0.486653	0.583514	30.35684	25.72836	19.48048	22.32127	42.78221	31.15436
15818	ADAMTS1	336.0179	0.344223	0.202847	1.696955	0.089705	0.150766	350.7299	231.5552	308.9047	328.1227	363.6488	433.1462
13055	WHAMM	555.0276	0.344199	0.156778	2.195452	0.028131	0.057282	445.0529	570.9505	453.6169	564.7281	622.4812	673.3362
22455	LOC119621	77.10123	0.344133	0.530306	0.648933	0.516382	0.611371	24.39389	140.6848	38.96096	66.96381	94.12087	97.48301
22980	LOC119621	21.23602	0.343815	0.605673	0.567658	0.570267	0.659728	28.73058	10.94824	16.00182	31.24978	21.39111	19.09461
11713	MAGI1	1327.71	0.343799	0.139243	2.469059	0.013547	0.030747	1041.348	1395.353	1075.601	1504.454	1379.726	1569.778
22698	LOC119621	20.47099	0.343663	0.56484	0.608426	0.542905	0.635821	18.43094	21.34906	13.91463	20.08914	29.94755	19.09461
8476	PDPK1	4703.692	0.343609	0.10537	3.260967	0.00111	0.003483	4109.015	4448.268	3887.051	5127.196	4857.92	5792.702
12945	RELB	650.7279	0.3436	0.155169	2.214365	0.026804	0.055046	623.3993	478.4379	621.9838	729.9055	656.707	793.9338
16711	FOXO2	138.3759	0.343504	0.22299	1.540446	0.123452	0.196395	122.5115	122.0728	121.753	162.9453	141.1813	159.7917
25716	TRNAC-GC	1.287904	0.343393	2.58564	0.132808	0.894346	0.92458	2.168345	1.094824	0	4.464254	0	0
9428	ABHD11	2509.399	0.343342	0.114401	3.001225	0.002689	0.007582	2396.564	1921.963	2320.96	2767.837	2714.531	2934.54
23999	LOC103231	9.192317	0.343333	0.844487	0.406558	0.684333	0.758073	9.215468	4.379295	10.43597	13.39276	10.69555	7.034856
24411	LOC103216	7.663246	0.343274	0.994673	0.345113	0.73001	0.79499	9.757555	6.02153	4.174388	17.85702	2.139111	6.029877
8618	AFG3L2	5654.891	0.342941	0.106352	3.224662	0.001261	0.003891	5302.689	4873.607	4788.719	6060.225	5811.964	7092.14
9386	ACAA1	1756.56	0.342896	0.113902	3.01045	0.002609	0.007389	1636.559	1421.081	1592.529	2008.914	1781.879	2098.397
10822	HIVEP2	1753.151	0.342501	0.128491	2.665566	0.007686	0.018881	1359.553	1809.743	1469.385	1868.29	2015.042	1996.894
20076	LOC103221	57.95642	0.342398	0.336843	1.01649	0.309396	0.409708	43.909	54.19377	54.96278	69.19594	64.17332	61.30375
25415	LOC119621	2.21043	0.342227	1.917316	0.178493	0.858336	0.89785	1.626259	4.379295	0	2.232127	0	5.024897
14115	KCTD14	278.5891	0.342054	0.171817	1.990802	0.046503	0.08757	254.7806	251.262	233.07	285.7123	308.0319	338.6781
11754	ZFP30	486.7649	0.341995	0.139137	2.457978	0.013972	0.031602	437.4637	446.1406	402.1327	553.5675	564.7252	516.5594
25535	LOC103245	1.278258	0.341988	2.138338	0.159931	0.872935	0.908794	0.542086	2.189647	0.695731	2.232127	0	2.009959
21830	ZNF708	35.53552	0.341916	0.452649	0.755366	0.450029	0.548054	31.44101	36.67659	25.04633	55.80317	32.08666	32.15934
11772	SNPH	557.3319	0.341285	0.139054	2.454343	0.014114	0.031874	514.9821	477.8905	485.6205	620.5313	562.5861	682.3811
22814	LOC103241	19.65272	0.34116	0.578225	0.590012	0.555183	0.64695	15.7205	14.23271	21.56767	26.78552	23.53022	16.07967
23015	LOC119621	18.75793	0.34115	0.609409	0.559804	0.575613	0.6649	13.01007	13.6853	23.65487	20.08914	14.97377	27.13445
23869	LOC119621	10.44988	0.341031	0.798218	0.427241	0.669204	0.74532	8.131296	5.474118	13.91463	11.16063	14.97377	9.044815
12254	RASSF4	414.8246	0.340941	0.144743	2.355483	0.018499	0.040134	383.2551	351.4384	364.5632	466.5145	442.7959	480.3802
10176	SMCR8	1506.972	0.340784	0.120845	2.82002	0.004802	0.012544	1272.819	1454.473	1266.927	1651.774	1531.603	1864.237
7638	TOR1AIP1	4301.856	0.34077	0.097008	3.512819	0.000443	0.001543	3659.625	4161.972	3567.015	4767.823	4791.608	4863.096
17073	TPSG4	143.8575	0.340433	0.229316	1.484561	0.13766	0.21433	121.9694	135.2107	122.4467	149.5525	182.2417	145.722
10956	PARD3B	1933.617	0.340214	0.128944	2.638455	0.008328	0.020209	1571.508	2004.075	1546.611	2145.074	2030.016	2304.418
22173	TRNAL-UA1	40.18763	0.339896	0.488664	0.695562	0.486703	0.583548	50.41403	16.96977	39.65669	40.17829	40.6431	53.26391
11575	KHDRBS3	603.843	0.339857	0.135914	2.500528	0.012401	0.028482	514.9821	586.8255	498.8394	651.7811	663.1243	707.5055
12042	NDUFAF1	563.2209	0.339792	0.141677	2.398349	0.016469	0.036359	500.8878	511.2826	479.3589	700.8879	549.7514	637.157
19725	LOC119621	69.01989	0.339782	0.319148	1.064654	0.287033	0.386858	66.13454	49.26706	67.48594	71.42806	83.42532	76.37844
21911	LOC103231	30.62941	0.339565	0.457024	0.742992	0.457487	0.555076	28.73058	26.82318	25.04633	31.24978	42.78221	29.1444
11288	PLEKHF2	893.6643	0.339533	0.132602	2.560543	0.010451	0.024613	755.6684	890.0916	721.4734	921.8684	1058.86	1014.024
24895	LOC103221	4.390753	0.339434	1.276408	0.265929	0.790294	0.843943	5.420864	4.379295	2.087194	0	6.417332	8.039836
22908	LOC119621	17.99946	0.339354	0.586509	0.5786	0.562859	0.653205	14.63633	16.96977	16.00182	15.62489	25.66933	19.09461
7848	GIPC1	2780.631	0.33895	0.098131	3.454063	0.000552	0.001871	2580.331	2348.944	2439.93	3187.477	2892.078	3235.029
15325	MYH7B	225.9597	0.338734	0.190829	1.775068	0.075887	0.131644	195.6932	193.7838	206.6322	265.6231	275.9453	218.0805
11259	SCAF11	7503.346	0.338615	0.13186	2.567997	0.010229	0.024152	5910.368	8140.561	5828.837	8107.085	8652.703	8380.524
10732	DUSP22	739.5298	0.3383	0.126032	2.68424	0.007269	0.018003	641.2882	666.7476	656.0747	787.9408	778.6363	906.4915
12815	ANTXR1	1836.024	0.338217	0.1513	2.235408	0.025391	0.052673	1411.593	2047.32	1406.769	1953.111	2089.911	2107.442
21906	LOC103221	42.58548	0.338111	0.45481	0.743412	0.457232	0.554894	38.48813	32.2973	40.35242	62.49956	57.75599	24.11951
23341	OLFML2A	17.82815	0.338055	0.666234	0.507411	0.611866	0.696912	16.80468	14.78012	14.61036	33.4819	19.252	8.039836
8614	GUSB	2869.77	0.337951	0.104781	3.225303	0.001258	0.003884	2505.523	2654.4	2451.757	3133.906	2945.555	3527.478
8668	INPPL1	6301.122	0.337813	0.105187	3.211544	0.00132	0.004049	5755.873	5224.498	5727.956	6716.47	6502.896	7879.039
21337	ARHGAP8	43.00141	0.337695	0.40879	0.826084	0.408757	0.509294	42.28274	29.56024	41.74388	40.17829	62.03421	42.20914
21455	LOC119621	42.38561	0.337502	0.416511	0.810307	0.417764	0.517653	43.909	37.224	29.91645	51.33892	57.75599	34.1693
7987	SEC6B1B	2996.477	0.33725	0.098716	3.416383	0.000635	0.002112	2527.207	2856.942	2555.421	3437.476	3430.021	3877.795
9991	MITF	3074.17	0.336969	0.117687	2.863253	0.004193	0.011158	2560.274	3119.7	2473.325	3287.923	3310.595	3673.2
9681	RAB43	2457.035	0.336929	0.114751	2.936171	0.003323	0.009125	2275.136	2047.868	2197.815	2707.57	2438.586	3075.237
11112	ARHGAP31	1540.278	0.336836	0.129498	2.601091	0.009293	0.022233	1292.334	1527.826	1269.014	1578.114	1625.724	1948.655
10190	EXD2	990.2028	0.336796	0.119531	2.817653	0.004838	0.012621	873.8432	905.4191	850.8795	1071.421	1024.634	1215.02
8000	AGPAT3	4917.614	0.336739	0.098672	3.412721	0.000643	0.002137	4494.98	4313.058	4237.7	5357.105	5073.971	6028.872
11655	NETO2	736.7114	0.336555	0.135715	2.479873	0.013143	0.029979	601.7159	740.6482	611.5479	832.5834	793.6101	840.1628
11700	ARRDC1	1052.682	0.336434	0.136101	2.471938	0.013438	0.030544	957.3245	820.0229	1019.246	1142.849	1063.138	1313.508
23080	LOC119621	19.28243	0.336344	0.61237	0.54925	0.582834	0.671345	15.7205	16.42235	18.08902	22.32127	32.08666	11.05477
21762	LOC119621	5081.588	0.336301	0.438831	0.766357	0.443464	0.541747	5307.026	2235.082	5934.589	5879.422	4564.862	6568.546
18915	LOC103211	91.73544	0.336205	0.279848	1.201384	0.229602	0.322706	81.31296	88.1333	73.05179	91.51721	121.9293	94.46807
24303	EVX2	9.242671	0.336009	0.930583	0.361074	0.718044	0.785467	3.794605	7.663765	12.52316	15.62489	12.83466	3.014938
14101	TRPT1	1183.226	0.335911	0.168475	1.993835	0.04617	0.087046	1177.412	835.3504	1131.259	1189.724	1163.676	1601.937
13930	ARID4A	1326.511	0.335911	0.165819	2.025772	0.042788	0.08166	1019.664	1520.71	977.5026	1406.24	1546.577	1488.375
11146	NSD3	3198.439	0.335756	0.129506	2.592599	0.009525	0.02272	2632.913	3385.195	2466.368	3374.976	3642.905	3688.275
17245	SLC24A1	146.0561	0.335567	0.230052</									



23381	LOC119619	14.84249	0.335107	0.667731	0.501859	0.615767	0.700148	11.9259	13.6853	13.2189	13.39276	25.66933	11.05477
18910	LOC119623	88.36181	0.334994	0.278736	1.201832	0.229429	0.322547	76.43418	87.03848	70.9646	89.28508	106.9555	99.49297
17563	ABLIM2	143.483	0.334944	0.238353	1.405244	0.159949	0.242113	147.4475	128.0944	105.7512	147.3204	160.4333	171.8515
11769	TMEM150	695.464	0.334686	0.136343	2.454737	0.014099	0.031848	659.177	602.153	588.5887	720.977	731.5758	870.3122
11110	TCF19	855.4632	0.334594	0.128545	2.602924	0.009243	0.022118	814.7558	702.3294	756.9557	935.2612	881.3136	1042.164
18462	DGCR6L	152.4957	0.334511	0.266671	1.254398	0.209697	0.301961	164.7943	93.60742	147.4951	160.7131	160.4333	187.9312
15478	PDE7A	241.9683	0.334485	0.191323	1.748276	0.080416	0.138105	224.9658	226.6285	192.7176	236.6055	267.3888	303.5038
17464	RTL8B	178.9563	0.334295	0.236006	1.416466	0.156639	0.238447	165.8784	119.8832	189.2389	189.7308	216.0502	192.9561
14870	APBB3	245.3238	0.334004	0.17963	1.859405	0.06297	0.112579	200.572	215.1328	236.5487	265.6231	271.6671	282.3992
14487	CCDC24	386.8036	0.333926	0.17324	1.927538	0.053913	0.098928	388.1338	279.18	359.6931	428.5684	432.1004	433.1462
19862	LOC119625	70.59425	0.333904	0.318962	1.046846	0.295171	0.395012	71.01331	56.38342	59.13717	71.42806	96.25998	69.34358
11165	CDV3	6411.205	0.333849	0.12901	2.587785	0.00966	0.023	5148.736	6884.251	4986.307	7053.521	6909.327	7485.087
8906	CRYL1	1680.339	0.33371	0.106165	3.143308	0.001671	0.004987	1568.256	1375.098	1520.173	1863.826	1798.992	1955.69
9339	MAPKAPK5	2700.357	0.333677	0.110418	3.021951	0.002512	0.007149	2500.102	2261.358	2414.188	2859.355	2789.4	3377.736
23797	LOC103240	10.80724	0.333624	0.763594	0.436912	0.662175	0.739748	10.29964	8.211177	9.740239	17.85702	10.69555	8.039836
12015	GM2A	1096.32	0.333437	0.138707	2.403898	0.016221	0.035891	1062.489	967.2767	886.3618	1131.688	1108.059	1422.046
13888	LOC103235	316.6534	0.333312	0.163977	2.032671	0.042086	0.080562	285.6795	255.0939	299.8602	368.301	342.2577	348.7279
11879	ZNF81	1036.266	0.333203	0.137056	2.431151	0.015051	0.033684	849.4493	1067.453	836.2691	1064.725	1178.65	1221.05
13228	TLK1	1836.699	0.332919	0.153875	2.163563	0.030498	0.061293	1380.694	2068.669	1428.337	1988.825	2032.155	2121.512
7830	SERPINH1	12065.79	0.332723	0.096205	3.458474	0.000543	0.001844	10676.39	10958.09	10414.4	13303.48	12274.22	14768.17
12401	INO80D	1131.845	0.332457	0.143259	2.320675	0.020304	0.043528	944.8565	1192.263	871.0557	1203.116	1215.015	1364.762
9029	JUND	3239.328	0.332311	0.107015	3.105267	0.001901	0.005598	2736.994	3040.873	2830.931	3667.385	3234.335	3925.45
23202	RNF208	15.87389	0.332183	0.62714	0.529679	0.596335	0.683306	15.17842	10.40082	16.69755	15.62489	19.252	18.08963
15207	TRNP1	824.5892	0.332165	0.185042	1.795081	0.072641	0.126991	588.1637	976.0353	625.4625	937.4933	904.8438	915.5363
14300	ARHGAP33	424.3562	0.33214	0.169354	1.961216	0.049854	0.092683	380.5446	330.6367	418.8303	495.5322	400.0137	520.5794
10418	GOLGA2	4088.092	0.331883	0.120164	2.761907	0.005746	0.014664	3371.235	4257.769	3231.672	4437.468	4522.08	4708.329
14085	SNX16	403.1516	0.331788	0.166143	1.997	0.045825	0.086483	346.9353	380.9986	347.17	433.0326	387.179	523.5943
22748	LOC103245	19.97364	0.33165	0.551746	0.601091	0.547779	0.640175	19.51511	18.06459	15.30609	22.32127	23.53022	21.10457
16680	LOC103216	153.6102	0.331477	0.214507	1.545301	0.122273	0.194888	130.6428	147.2538	130.1018	167.4095	175.4071	170.8465
9441	SERP1	4419.118	0.331217	0.110445	2.998918	0.002709	0.007629	4220.142	3440.483	4086.03	4859.34	4637.592	5271.117
13332	TPRA1	1395.996	0.331214	0.15461	2.142249	0.032173	0.064156	1400.209	982.0568	1331.63	1473.204	1416.091	1772.784
7450	SH3GLB1	4350.641	0.331089	0.092425	3.582237	0.000341	0.001216	3701.908	4154.856	3704.77	4830.323	4791.608	4920.379
23263	LOC103238	17.17478	0.331002	0.636339	0.520167	0.602947	0.689072	9.215468	15.87494	20.17621	22.32127	21.39111	14.06971
10496	SEC24D	3585.163	0.330537	0.120412	2.745045	0.00605	0.015324	2966.297	3702.694	2862.239	3854.883	3871.79	4253.097
7566	NACC1	4949.096	0.330188	0.093357	3.536824	0.000405	0.001423	4404.994	4386.411	4371.28	5354.873	5187.343	5989.678
8707	GORASP1	2422.33	0.330036	0.103116	3.200636	0.001371	0.004187	2257.79	2075.786	2110.849	2680.785	2496.342	2912.431
9527	GABARAPL	2663.704	0.329874	0.110794	2.977372	0.002907	0.008113	2443.725	2119.031	2515.069	2984.354	3174.44	2745.604
9453	TNS2	6320.674	0.329783	0.110043	2.996868	0.002728	0.007671	5283.174	5801.47	5727.956	6729.863	6363.854	8017.726
8706	DYNLT3	1313.061	0.329487	0.102939	3.200816	0.00137	0.004185	1179.038	1171.461	1137.521	1511.15	1480.265	1398.931
22762	LOC103237	25.36899	0.329473	0.549635	0.599439	0.54888	0.641039	14.63633	34.48694	18.08902	26.78552	32.08666	26.12947
24243	ST6GALNA	8.86212	0.329093	0.891673	0.369074	0.712073	0.780863	3.794605	8.758589	11.1317	4.464254	14.97377	10.04979
20654	LOC103230	67.442	0.32899	0.354481	0.92809	0.353361	0.454832	53.12446	78.8273	47.30973	58.0353	91.98176	75.37346
23913	CCDC184	10.21859	0.328858	0.781099	0.42102	0.67374	0.749023	7.589209	7.663765	11.82743	15.62489	8.556443	10.04979
18027	ZCWPW1	130.3739	0.328667	0.245569	1.338388	0.18077	0.266587	128.4745	113.3142	102.9682	167.4095	145.4595	124.6175
23988	LOC119620	14.86994	0.3286	0.805066	0.408165	0.683152	0.757112	19.51511	3.284471	17.39328	8.928508	14.97377	25.12449
12531	CUNH6orf	511.1259	0.32856	0.143112	2.295828	0.021686	0.046017	415.7802	483.912	461.9656	575.8888	526.2212	602.9877
6801	SAR1A	8061.617	0.328391	0.086019	3.817665	0.000135	0.000527	7375.627	6773.126	7299.614	8752.17	8840.944	9328.219
9868	LOC103233	1802.018	0.328199	0.113579	2.889594	0.003857	0.010392	1620.838	1530.016	1649.579	1955.343	1818.244	2238.089
10579	SH3PXD2A	1051.708	0.328134	0.120323	2.727111	0.006389	0.016056	890.1058	973.8456	938.5416	1055.796	1178.65	1273.309
11199	CLN3	908.4437	0.328088	0.12704	2.582563	0.009807	0.02328	859.2069	725.8681	834.1819	1033.475	932.6523	1065.278
15310	ZNF713	258.8642	0.328074	0.18454	1.777794	0.075438	0.130994	228.2184	251.262	206.6322	314.7299	293.0582	259.2847
23922	DYNLT2	11.36216	0.328002	0.781958	0.419462	0.674878	0.749975	10.84173	10.40082	8.348776	11.16063	21.39111	6.029877
22364	LOC103244	27.02463	0.32789	0.493452	0.664481	0.506382	0.601903	29.81475	22.9913	19.48048	29.01765	25.66933	35.17428
10973	NCDN	1357.908	0.327664	0.12435	2.635001	0.008414	0.020379	1208.853	1118.362	1291.973	1477.668	1356.196	1694.395
18782	LOC103243	105.3936	0.327595	0.268425	1.220437	0.222299	0.316454	88.36008	105.6505	84.87923	116.0706	136.9031	100.4979
13188	B3GALT4	595.8932	0.327546	0.150864	2.171133	0.029921	0.060312	567.5644	471.869	550.3235	651.1781	586.1163	747.7047
10110	ETNK2	1820.399	0.327514	0.115478	2.836173	0.004566	0.012006	1727.087	1560.124	1562.613	1962.04	1850.331	2260.199
25412	LOC119620	1.58146	0.327501	1.828272	0.179132	0.857834	0.897431	1.626259	1.094824	1.391463	2.232127	2.139111	1.004979
9584	USF1	1383.285	0.327427	0.110451	2.964452	0.003032	0.008411	1272.819	1198.284	1212.66	1598.203	1394.7	1623.042
24137	LOC103219	9.759857	0.327412	0.852065	0.384257	0.700788	0.771798	9.757555	10.94824	4.87012	6.696381	19.252	7.034856
12430	GALNT18	566.2002	0.327374	0.141394	2.315338	0.020594	0.044041	525.2817	486.1017	491.8821	616.067	708.0456	569.8234
14384	PCLAF	989.1658	0.327092	0.167926	1.947836	0.051435	0.095063	974.6713	645.3985	1013.681	1082.582	1093.086	1125.577
21988	LOC103247	33.56466	0.327038	0.448185	0.729694	0.465577	0.562915	31.9831	31.74989	25.04633	31.24978	49.19955	32.15934
18889	LOC103237	108.6013	0.326918	0.271212	1.205397	0.22805	0.320965	76.97626	105.1031	107.8384	127.2312	104.8164	129.6424
20079	LOC103242	65.86779	0.326808	0.321654	1.016022	0.309619	0.409942	58.00324	63.49977	52.87558	87.05295	68.45154	65.32367
23929	LOC103215	11.41002	0.326787	0.780447	0.418718	0.675422	0.750391	10.84173	7.116354	11.82743	13.39276	19.252	6.029877
14158	FAM200A	996.9239	0.326782	0.164758	1.983412	0.047321	0.088857	321.9993	390.3046	341.6041	502.2286	421.4048	404.0017
12658	BCL7A	449.4293	0.326496	0.143928	2.268458	0.023301	0.048939	383.2551	423.6967	391.001	506.6928	466.3261	525.6043
21740	LOC119624	42.78299	0.326468	0.423403	0.771057	0.440673	0.538882	37.94605	34.48694	42.43961	26.78552	57.75599	57.28383
18455	USP27X	119.0758	0.326446	0.259955	1.255778	0.							



25418	LOC11961f	1.582348	0.325964	1.828195	0.178298	0.858489	0.897869	1.084173	1.642235	1.391463	2.232127	2.139111	1.004979
13398	LOC10324	910.6478	0.325917	0.153156	2.128012	0.033336	0.066147	886.8533	677.1484	865.4898	973.2074	898.4265	1162.761
12236	LOC11962f	1914.875	0.325849	0.138088	2.359726	0.018288	0.039735	1654.448	1556.292	1881.953	2234.359	2406.5	1755.699
16119	LOC11961f	192.0171	0.32577	0.198329	1.642572	0.100471	0.165707	182.141	155.465	173.9328	200.8914	224.6066	215.0656
24149	LOC11962f	13.09613	0.325757	0.849554	0.383445	0.70139	0.772142	21.68345	2.737059	10.43597	20.08914	8.556443	15.07469
23187	LOC11962f	19.49826	0.325733	0.612638	0.531688	0.594942	0.682113	16.26259	11.49565	23.65487	31.24978	19.252	15.07469
24976	LOC11962f	4.746628	0.325532	1.297095	0.25097	0.801837	0.853493	4.336691	0.547412	7.653045	2.232127	10.69555	3.014938
21516	LOC11962f	39.18423	0.325328	0.405796	0.801703	0.422725	0.522316	30.89892	32.2973	41.04815	46.87467	42.78221	41.20416
10611	PICALM	21028.47	0.32519	0.119624	2.718447	0.006559	0.016432	16893.58	22332.21	16779.65	23350.28	23072.45	23742.64
9632	RREB1	1772.209	0.325186	0.110131	2.952713	0.00315	0.008694	1551.451	1703.546	1468.689	1879.451	1916.643	2113.472
8654	MRPL18	1693.09	0.325161	0.101153	3.214548	0.001307	0.004014	1567.172	1414.512	1529.218	1897.308	1826.801	1923.531
23878	ITM2A	11.0799	0.325149	0.762792	0.426262	0.669917	0.745876	9.215468	8.211177	11.82743	8.928508	19.252	9.044815
9345	ITLE5	4447.864	0.325125	0.107659	3.019959	0.002528	0.007192	3612.464	4395.169	3841.829	4995.5	4618.34	5223.883
10553	NFU1	1191.542	0.325015	0.118904	2.733431	0.006268	0.01579	982.2605	1171.461	1017.159	1372.758	1343.361	1262.254
12387	ZNF649	648.4702	0.325014	0.139748	2.325715	0.020034	0.042997	607.1367	605.4375	514.1455	658.4775	785.0536	720.5703
10063	BAG4	1350.349	0.324994	0.114095	2.848447	0.004393	0.011607	1136.213	1325.831	1132.651	1544.632	1499.517	1463.25
10904	NDRG4	1111.419	0.324935	0.122603	2.650303	0.008042	0.019607	978.4659	991.9102	996.2873	1183.027	1120.894	1397.926
23190	NIBAN3	24.55007	0.324747	0.611713	0.530881	0.595501	0.682682	18.43094	21.34906	24.3506	33.4819	40.6431	9.044815
20438	LOC11962f	96.10671	0.324672	0.339596	0.956054	0.339045	0.441014	119.259	60.76271	74.44326	107.1421	132.6249	82.40832
11213	LOC10323f	958.9396	0.324636	0.125899	2.57854	0.009922	0.023524	825.0555	954.6862	773.6533	1095.974	1046.025	1058.243
10473	STK3	2453.642	0.324625	0.118024	2.750496	0.005951	0.015105	2013.851	2520.284	2001.619	2783.462	2661.054	2741.584
24425	LOC10324f	6.994514	0.32444	0.951063	0.341134	0.733003	0.797825	7.589209	4.379295	6.261582	11.16063	8.556443	4.019918
23882	LOC10321f	11.108	0.324366	0.762038	0.425657	0.670358	0.746199	14.09425	8.758589	6.957314	8.928508	12.83466	15.07469
22219	LOC11962f	34.53671	0.324309	0.470595	0.689148	0.49073	0.587158	28.73058	31.20247	32.69937	49.10679	19.252	46.22906
8636	ADPGK	1925.121	0.324206	0.100722	3.218808	0.001287	0.003963	1755.276	1629.645	1748.373	2127.217	2030.016	2260.199
18093	LOC10322f	137.4436	0.324199	0.245085	1.322801	0.185902	0.273155	148.5317	104.5557	113.4042	151.7846	147.5986	158.7868
13914	LOC11962f	355.3204	0.324118	0.15981	2.028149	0.042545	0.081289	335.5515	283.0119	329.0809	401.7829	376.4835	406.0117
22602	LOC10321f	24.42209	0.32397	0.519387	0.623753	0.53279	0.626652	20.59928	25.72836	18.08902	26.78552	34.22577	21.10457
10649	NME7	1117.921	0.323968	0.119756	2.705226	0.006826	0.01704	963.2875	1072.927	937.8459	1312.491	1281.327	1139.647
23854	LOC10322f	11.5139	0.323915	0.754054	0.429564	0.667513	0.743935	13.01007	8.211177	9.740239	15.62489	6.417332	16.07967
12171	KEAP1	2662.644	0.323806	0.136526	2.371759	0.017704	0.03867	2630.203	2004.075	2466.368	2930.783	2579.767	3364.671
9622	NCSTN	3008.154	0.323748	0.109556	2.955096	0.003126	0.008636	2482.756	3004.743	2530.375	3374.976	3180.858	3475.219
14063	ZSWIM1	681.4892	0.323635	0.161717	2.001246	0.045366	0.085761	554.0123	739.5534	521.1028	814.7263	720.8803	738.6599
15223	NPAS2	285.2063	0.323378	0.180474	1.791827	0.731161	0.127766	226.05	273.7059	261.595	339.2833	275.9453	334.6582
14662	RBM43	570.3181	0.323197	0.170509	1.895477	0.058029	0.105218	434.7533	631.1658	454.3126	611.6028	643.8723	646.2018
13530	LOC11962f	384.9032	0.322836	0.153595	2.101866	0.035565	0.069881	353.9824	360.197	313.0791	406.2471	425.683	450.2308
24958	LOC11962f	3.488168	0.322722	1.273088	0.253495	0.799886	0.85203	3.252518	3.831883	2.087194	4.464254	4.278221	3.014938
11806	PTPRE	683.4906	0.322695	0.131835	2.447709	0.014377	0.032374	601.7159	666.7476	553.1064	738.834	780.7754	759.7645
13503	LOC11962f	479.6458	0.322633	0.153164	2.106463	0.035164	0.069234	423.9115	481.175	372.2163	531.2462	549.7514	519.5744
22963	MUSTN1	21.94656	0.322454	0.566456	0.569248	0.569188	0.658967	23.8518	13.13788	20.87194	26.78552	29.94755	17.08465
14109	SPPL2B	1395.424	0.322347	0.161837	1.991797	0.046393	0.087417	1375.273	924.0311	1423.466	1571.417	1433.204	1645.151
7416	ABCC4	15887.14	0.322282	0.089693	3.593181	0.000327	0.001171	14047.08	15006.2	13310.73	17370.41	16963.15	18625.28
13774	GAREM1	849.1843	0.322188	0.157004	2.0521	0.04016	0.077507	677.0659	930.6001	657.4661	937.4933	900.5656	991.9147
16083	TFAP2A	478.0909	0.321767	0.194973	1.650317	0.098878	0.163444	330.1306	550.1489	395.1754	497.7643	547.6123	547.7138
11458	TNRC6B	3310.048	0.321574	0.127341	1.525231	0.01156	0.026821	2661.102	3492.487	2677.174	3508.904	3568.037	3952.584
20150	ANKRD37	65.94629	0.321496	0.320306	1.003715	0.315516	0.416271	66.67662	50.36189	58.44144	78.12444	72.72976	69.34358
8528	RFTN1	2444.25	0.321324	0.098968	3.246747	0.001167	0.003639	2229.601	2195.669	2099.022	2685.249	2545.542	2910.421
13662	ANKRD13C	539.6549	0.321199	0.154731	2.075855	0.037907	0.073764	482.4569	419.3174	541.279	582.5851	554.0297	658.2616
16195	FBXL8	223.7319	0.321196	0.197339	1.627636	0.103602	0.170069	215.7504	170.2451	212.1981	249.9982	228.8848	265.3146
21913	LOC11962f	36.37627	0.321135	0.432696	0.742172	0.457983	0.555628	29.27266	35.58177	31.30791	53.57105	36.36488	32.15934
13005	MAP1B	43489.67	0.32108	0.145748	2.202988	0.027596	0.056411	32277.45	49604.27	34129.8	46885.83	47237.98	50802.72
11773	ZNF394	925.1843	0.320987	0.130792	2.454174	0.014121	0.031887	766.5101	938.2638	764.6088	991.0644	1020.356	1070.303
12476	MUL1	1029.535	0.32087	0.139185	2.305343	0.021147	0.045063	1018.58	844.109	889.1447	1091.51	1020.356	1313.508
24826	LOC11962f	4.767644	0.320845	1.158307	0.276995	0.781784	0.837176	5.96295	5.474118	1.391463	4.464254	4.278221	7.034856
21955	LOC10322f	43.86259	0.320465	0.435909	0.735165	0.462239	0.559719	49.32986	29.01283	37.56949	44.64254	68.45154	34.1693
12340	DYNC21I	617.9766	0.320111	0.137023	2.336178	0.019482	0.041971	597.9213	521.136	532.9302	631.6919	684.5154	739.6649
17066	FBXW9	293.6476	0.319802	0.215328	1.485187	0.137494	0.214185	304.1105	186.6674	293.5986	334.819	308.0319	334.6582
9697	PTPRK	9677.438	0.319651	0.109037	2.931581	0.003372	0.009246	8078.713	9770.753	7982.822	10749.92	10036.71	11445.71
14273	LIN7B	302.6679	0.319622	0.162577	1.965971	0.049302	0.09183	275.922	253.4517	278.9883	321.4263	346.5359	339.6831
11491	KDM4B	951.5138	0.319449	0.126853	2.518255	0.011794	0.027286	914.4997	806.885	822.3545	1053.564	954.0434	1157.736
20408	LOC10321f	69.93489	0.319406	0.332754	0.959886	0.337113	0.439148	76.97626	56.93083	53.57132	60.26743	83.42532	88.43819
17590	LOC10321f	154.0642	0.319329	0.227686	1.402496	0.160767	0.242979	151.7842	119.8832	140.5377	147.3204	183.9635	180.8963
23739	LOC11961f	16.33086	0.319238	0.714629	0.446719	0.655078	0.733614	7.047123	13.6853	22.2634	24.5534	21.39111	9.044815
23979	NOG	12.86303	0.319206	0.778341	0.410111	0.681725	0.755814	7.589209	8.211177	18.08902	24.5534	10.69555	8.039836
10138	AGFG2	1239.702	0.319087	0.112762	2.829745	0.004659	0.012216	1083.631	1048.841	1180.656	1386.151	1287.745	1451.19
13344	LOC10322f	707.2203	0.319025	0.149191	2.138362	0.032487	0.064724	672.7292	531.5369	687.3826	756.691	733.715	861.2674
21195	HSF4	56.18859	0.318954	0.374983	0.850581	0.395002	0.495438	40.65648	48.17224	59.8329	73.66019	70.59065	44.2191
18780	LOC10324f	134.2025	0.31878	0.261059	1.221102	0.222047	0.314331	91.6126	148.3486	118.9701	147.3204	141.1813	157.7818
9603	MRPS22	1983.442	0.31864	0.107631	2.960469	0.003072	0.008503	1872.908	1641.688	1777.594	2377.215	2151.945	2079.303
10879	FBXO45	1576.678	0.318608										



20099	LOC103232	87.54147	0.317939	0.313939	1.012743	0.311183	0.411603	83.4813	54.74118	95.3152	107.1421	94.12087	90.44815
22293	TRNAN-GL	39.39329	0.317937	0.470862	0.675224	0.499533	0.59568	26.02015	48.17224	29.91645	64.73168	36.36488	31.15436
24284	TRNAS-AG	7.999161	0.317879	0.872433	0.364359	0.71559	0.783395	7.047123	7.116354	7.653045	6.696381	6.417332	13.06473
11759	HEXIM1	2727.858	0.317846	0.129402	2.456267	0.014039	0.031739	2115.221	2806.58	2367.574	3051.318	2723.088	3303.368
23158	FITM1	19.73369	0.317843	0.592932	0.536052	0.591922	0.679488	16.26259	12.59047	23.65487	17.85702	29.94755	18.08963
14090	LOC119624	353.2404	0.317797	0.159161	1.996702	0.045858	0.086524	348.5615	299.9817	294.2944	395.0865	393.5964	387.9221
23769	LOC103211	12.72584	0.317657	0.717994	0.442423	0.658183	0.736161	11.38381	9.853413	13.2189	6.696381	17.11289	18.08963
13298	RSAD1	1049.451	0.31765	0.147886	2.147937	0.031719	0.063411	1050.563	789.3678	967.0666	1176.331	1013.938	1299.438
6727	DBI	8719.102	0.317369	0.08251	3.846445	0.00012	0.000474	7546.926	7933.092	7807.497	9997.697	9739.371	9290.03
24126	LOC103221	9.59692	0.316872	0.819866	0.386492	0.699132	0.77039	10.84173	5.474118	9.044508	15.62489	8.556443	8.039836
13389	RFX2	447.6161	0.316431	0.148585	2.129636	0.033202	0.065926	410.9015	379.9038	409.09	468.7467	466.3261	550.7287
15003	TMEM141	1039.59	0.316406	0.172649	1.832654	0.066854	0.118464	1021.833	671.1269	1086.732	1180.795	1078.112	1198.941
12150	MAPK11	1823.782	0.316363	0.133179	2.375479	0.017526	0.038348	1716.245	1419.439	1744.894	1843.737	1888.835	2329.542
15030	LOC103241	389.7952	0.316218	0.173047	1.827352	0.067647	0.119654	330.1306	410.5589	299.1645	435.2648	455.6306	408.0217
16881	SMIM17	161.0629	0.316069	0.209402	1.509393	0.131198	0.206612	150.7	134.6633	144.7121	176.338	186.1026	173.8614
22129	LOC119621	32.1409	0.315934	0.448724	0.704072	0.481388	0.578327	31.44101	26.82318	27.82925	26.78552	42.78221	37.18424
14145	ADAM15	2309.832	0.315863	0.159002	1.986536	0.046974	0.088286	2349.402	1629.645	2200.598	2417.394	2211.84	3050.113
15338	ABHD6	276.2285	0.315797	0.178152	1.77263	0.07629	0.132214	251.5281	220.607	264.3779	325.895	316.5884	278.3793
12185	ZNF512B	2425.991	0.315675	0.133216	2.369649	0.017805	0.038847	2289.231	1833.282	2368.27	2604.892	2417.195	3043.078
22353	LOC119619	31.18833	0.315458	0.473306	0.666499	0.505092	0.600709	35.23561	20.80165	27.13352	29.01765	42.78221	32.15934
13610	CHST2	554.5162	0.315389	0.151088	2.087445	0.036848	0.071977	462.9418	558.9075	463.3571	609.3707	556.1688	676.3512
25217	LOC119618	2.544576	0.315356	1.491119	0.211489	0.832506	0.877668	1.626259	1.642235	3.478657	2.232127	4.278221	2.009959
24783	LOC119621	5.364758	0.314926	1.106388	0.284643	0.775918	0.832336	4.336691	7.116354	2.782925	2.232127	10.69555	5.024897
23765	LOC119618	13.70448	0.31492	0.711084	0.442874	0.657857	0.735932	6.505036	14.23271	16.00182	11.16063	19.252	15.07469
19339	LOC119621	154.6922	0.314863	0.278995	1.128565	0.259082	0.356156	104.6227	192.689	115.4914	165.1774	190.3808	159.7917
19264	XKR5	98.58347	0.314656	0.275419	1.142463	0.253262	0.34951	102.9964	83.75401	77.92191	102.6778	100.5382	123.6125
10830	DAG1	6807.214	0.314497	0.11801	2.665006	0.007699	0.018898	5804.119	6956.509	5448.272	7270.038	7061.204	8303.14
11334	CORO6	837.7707	0.314377	0.123287	2.549953	0.010774	0.025271	712.3015	755.9757	774.349	977.6716	838.5314	967.7952
12743	ZNF75D	662.5246	0.314312	0.139683	2.250184	0.024437	0.050982	580.5745	662.3683	529.4516	687.4951	761.5234	753.7346
14050	ARID4B	4857.809	0.31431	0.156754	2.005109	0.044951	0.085056	3750.696	5655.859	3585.104	5100.41	5642.974	5411.814
11000	KATNA1	1013.468	0.314192	0.119517	2.628837	0.008568	0.020706	896.0688	964.5396	847.4008	1218.741	1071.694	1082.363
23525	LOC103221	21.10264	0.313978	0.654839	0.479473	0.631602	0.713758	12.46799	31.20247	11.82743	31.24978	27.80844	12.05975
24423	LOC119620	7.384795	0.313802	0.917911	0.341866	0.732452	0.797291	4.878777	8.211177	6.957314	8.928508	4.278221	11.05477
12653	TMEM9B	778.0988	0.313737	0.138212	2.269974	0.023209	0.048764	765.426	620.2176	696.4271	930.797	774.3581	881.367
14129	FADD	570.9135	0.313674	0.157746	1.988468	0.04676	0.087983	572.9853	440.1191	516.9284	551.3354	656.707	687.406
11595	BTBD11	767.9698	0.313287	0.125516	2.495986	0.012561	0.028799	674.8975	732.437	649.8131	850.4404	795.7492	904.4815
24340	TRNAL-AA	8.342153	0.313261	0.880944	0.355597	0.722143	0.788749	5.420864	8.211177	8.348776	15.62489	6.417332	6.029877
19770	LOC119621	83.51543	0.313228	0.296107	1.05782	0.290138	0.390152	88.90216	67.33165	67.48594	80.35657	100.5382	96.47803
10818	NBN	2931.983	0.313221	0.117481	2.66613	0.007673	0.018855	2349.944	3028.83	2464.281	3287.923	3294.23	3166.69
14410	TMOD2	351.5343	0.312895	0.161151	1.941626	0.052182	0.096271	294.895	350.891	294.2944	390.6222	393.5964	384.9071
23096	LOC119619	20.18357	0.312762	0.573091	0.545745	0.585241	0.673651	13.01007	19.15941	21.56767	29.01765	19.252	19.09461
10282	ZNF300	998.8602	0.312737	0.111988	2.792586	0.005229	0.01352	860.2911	930.6001	884.2746	1053.564	1118.755	1145.677
8938	BTBD10	1797.86	0.312575	0.099713	3.134758	0.00172	0.005116	1580.182	1687.671	1545.915	1917.397	1995.79	2060.208
15366	CIR1	1362.773	0.312486	0.176885	1.766611	0.077293	0.133734	993.1022	1628.55	1024.117	1575.882	1503.795	1451.19
10164	CAB39	7113.764	0.312463	0.110691	2.822835	0.00476	0.012451	5932.051	7293.715	5815.619	7689.677	7681.546	8269.976
24082	PROC	10.58962	0.312439	0.795001	0.393004	0.694316	0.766481	9.757555	7.663765	10.43597	20.08914	8.556443	7.034856
24381	GPC5	7.62431	0.31239	0.89415	0.349371	0.726811	0.792513	5.96295	6.568942	7.653045	6.696381	12.83466	6.029877
11569	SAMHD1	928.3594	0.312367	0.124876	2.501421	0.01237	0.028422	795.2407	916.9148	772.9576	1066.957	966.878	1051.209
8102	ANKMY2	2656.315	0.312306	0.092395	3.380132	0.000725	0.002377	2398.732	2326.5	2388.446	2787.927	2969.086	3067.197
12771	LOC119620	5029.889	0.312271	0.139013	2.246337	0.024682	0.051381	3731.78	5474.666	4232.83	5966.475	5664.365	5089.216
12031	PHAX	3373.879	0.312261	0.130059	2.400914	0.016354	0.036135	2755.425	3629.888	2645.171	3582.564	3835.425	3794.802
24232	ZNF679	9.290512	0.3122	0.844172	0.36983	0.711509	0.780599	7.047123	12.04306	5.565851	15.62489	6.417332	9.044815
8019	PDI4A	36917.54	0.312033	0.091594	3.406683	0.000658	0.00218	33193.57	33859.61	31775.44	40620.25	37731.77	44324.62
22750	LOC103221	23.94189	0.311992	0.519453	0.600617	0.548095	0.64046	26.56223	19.15941	18.78475	22.32127	25.66933	31.15436
16191	LDB3	210.2791	0.311597	0.191387	1.628097	0.103504	0.16995	197.8615	187.2148	178.803	207.5878	245.9977	244.21
23399	REM2	24.36154	0.311569	0.624234	0.499121	0.617694	0.701799	23.8518	8.758589	32.00364	31.24978	34.22577	16.07967
11708	GZF1	1813.782	0.311554	0.126135	2.469997	0.013511	0.03068	1468.512	1895.14	1493.735	1977.665	1957.286	2090.357
14634	HOXC5	310.9362	0.311499	0.163887	1.900687	0.057343	0.104173	267.2486	297.2446	269.248	348.2118	320.8666	362.7976
16274	FAM83H	475.8542	0.311195	0.192931	1.612989	0.106747	0.17438	472.6993	330.6367	473.7931	551.3354	425.683	600.9777
24091	LOC119618	10.22771	0.310616	0.793148	0.391625	0.695335	0.767313	8.673382	6.568942	12.52316	6.696381	12.83466	14.06971
15856	LOC103221	320.3213	0.310609	0.183808	1.689857	0.091055	0.152668	294.895	234.8397	328.3852	377.2295	335.8404	350.7378
15447	TAB3	583.5214	0.310541	0.177229	1.752202	0.079739	0.137235	425.5378	660.1786	477.2717	629.4598	652.4288	656.2516
23772	LOC119624	15.43263	0.310517	0.703885	0.441147	0.659107	0.737082	6.505036	18.06459	16.69755	24.5534	10.69555	16.07967
11743	SSBP2	856.5717	0.310464	0.126221	2.459694	0.013906	0.031481	740.49	848.4883	703.3844	955.3503	971.1562	920.5612
24206	LOC119618	8.913989	0.310429	0.831387	0.373387	0.70886	0.778528	7.047123	8.758589	7.653045	11.16063	12.83466	6.029877
21914	LOC103220	38.54771	0.310301	0.418128	0.742119	0.458015	0.555642	37.40396	31.74989	33.39511	37.94616	55.61688	35.17428
11923	PDCL	1349.825	0.310231	0.128199	2.419921	0.015524	0.034614	1082.004	1398.09	1136.825	1446.418	1490.96	1544.653
14174	MAP3K21	321.0273	0.310008	0.156433	1.981726	0.04751	0.089104	278.0903	292.8653	289.4243	361.6046	344.3968	359.7826
18712	LOC103220	113.92	0.309928	0.252544	1.227224	0.219738	0.312237	95.4072	104.0082	105.7512	107.1421	147.5986	123.6125
13559	TGIF2	452.0134	0.309319	0.14748	2.097365	0.035961							



23591	LOC119621	15.28906	0.30909	0.657794	0.469888	0.638435	0.71946	11.9259	18.06459	10.43597	17.85702	21.39111	12.05975
23099	WSCD2	22.56456	0.309074	0.567367	0.544752	0.585924	0.674349	18.97302	21.34906	19.48048	17.85702	40.6431	17.08465
11016	TBC1D17	885.479	0.309004	0.117687	2.625643	0.008649	0.020872	799.0353	816.7384	759.7387	988.8323	913.4003	1035.129
25064	RERG	4.729032	0.308982	1.311209	0.235647	0.813707	0.863086	3.794605	7.116354	1.391463	2.232127	12.83466	1.004979
8530	DERL2	2122.393	0.308652	0.095082	3.246159	0.00117	0.003646	1955.306	1893.497	1842.992	2276.77	2316.657	2449.135
16650	GATD1	1404.428	0.30863	0.199321	1.548408	0.121524	0.194027	1540.067	814.0014	1413.03	1497.757	1398.978	1762.734
11692	KDINS220	6085.774	0.308628	0.124796	2.473052	0.013396	0.030461	4981.774	6435.373	4897.253	6781.202	6201.282	7217.763
15005	COX7B	2226.767	0.308608	0.168409	1.83249	0.066879	0.118492	2098.416	1449.546	2418.362	2674.088	2543.403	2176.786
11867	ARMCX5	831.421	0.308462	0.12677	2.433243	0.014964	0.033526	690.618	821.6651	717.9948	881.6902	919.8176	956.7405
9917	VAV2	2717.631	0.308458	0.107073	2.880808	0.003967	0.010633	2343.981	2624.292	2321.656	2917.39	2817.209	3281.258
25146	LOC119621	2.868049	0.308152	1.38637	0.222273	0.824102	0.871227	2.710432	2.189647	2.782925	2.232127	4.278221	3.014938
8251	ZN746	2921.068	0.307864	0.092475	3.329148	0.000871	0.002807	2619.903	2595.827	2619.429	3296.852	3024.702	3369.696
17046	LOC119621	328.7675	0.307575	0.206847	1.486969	0.137023	0.213702	262.9119	377.7142	240.0273	337.0512	402.1528	352.7478
24663	LOC103231	6.346939	0.307526	1.00504	0.305984	0.759617	0.818814	4.878777	4.926706	6.957314	4.464254	12.83466	4.019918
18096	VWA5B2	161.7603	0.307517	0.232516	1.322562	0.185981	0.273214	144.7371	137.9478	152.3652	133.9276	209.6328	191.9511
9921	PSEN2	1417.502	0.307303	0.106715	2.879669	0.003981	0.010668	1250.593	1303.935	1251.621	1479.9	1531.603	1687.361
14086	FAM3C	868.4161	0.307059	0.153761	1.99699	0.045826	0.086483	659.177	947.0224	723.5606	950.8861	936.9305	992.9197
10094	SLC38A6	993.9649	0.306951	0.10808	2.840025	0.004511	0.011881	905.2842	887.3546	873.8386	1069.189	1116.616	1111.507
24499	LOC119621	7.369304	0.30692	0.927718	0.330833	0.74077	0.803812	7.589209	3.284471	9.044508	6.696381	8.556443	9.044815
16530	CIART	299.974	0.306899	0.195471	1.570046	0.116404	0.187212	272.6694	319.1411	211.5023	334.819	340.1186	321.5934
16148	NDUFA11	3559.899	0.306811	0.187355	1.637589	0.101507	0.167115	3586.443	2035.825	3926.708	4111.578	3773.391	3925.45
10595	DEAF1	1359.163	0.306507	0.112571	2.722785	0.006473	0.01624	1283.118	1184.052	1182.048	1537.935	1366.892	1600.932
24090	LOC119621	11.1291	0.306505	0.782729	0.391585	0.695365	0.767313	12.46799	9.306001	8.348776	4.464254	17.11289	15.07469
10276	MAP4K3	1824.597	0.306339	0.10963	2.794305	0.005201	0.013456	1604.576	1777.446	1509.737	1982.129	2139.111	1934.585
23990	LOC103241	11.18229	0.306281	0.750619	0.408038	0.683246	0.757175	9.215468	9.306001	11.82743	6.696381	14.97377	15.07469
22420	LOC103221	32.28175	0.306178	0.468717	0.653226	0.513611	0.609025	32.52518	35.03436	18.78475	37.94616	34.22577	35.17428
15640	PKD1	2391.735	0.306053	0.177249	1.72668	0.084225	0.143167	2480.587	1499.908	2439.93	2647.303	2288.848	2993.834
21434	FAM13C	49.43284	0.306049	0.376158	0.813618	0.415864	0.515834	40.65648	39.96106	51.48412	69.19594	47.06043	48.23901
18000	KDM8	130.2648	0.305961	0.227897	1.34254	0.179421	0.264995	113.2961	114.9565	121.753	138.3919	145.4595	147.732
25120	LOC119621	3.872807	0.3058	1.343191	0.227667	0.819905	0.867722	3.794605	0.547412	6.261582	4.464254	2.139111	6.029877
8995	LAMTOR3	3077.212	0.305637	0.098031	3.117772	0.001822	0.005386	2745.125	2634.693	2873.371	3392.833	3636.488	3180.76
22732	LOC119611	39.19001	0.305605	0.50606	0.603891	0.545916	0.638447	44.45108	22.9913	36.17803	55.80317	55.61688	20.09959
18284	LOC103231	126.4766	0.305541	0.237457	1.286721	0.198192	0.288171	120.8853	113.8617	105.7512	138.3919	126.2075	153.7619
24713	GPR139	5.780298	0.305394	1.030872	0.296248	0.76704	0.825143	4.878777	5.474118	4.87012	11.16063	4.278221	4.019918
7289	LOC103231	3567.648	0.305301	0.083918	3.638103	0.000275	0.001002	3215.114	3196.885	3161.403	3991.043	3938.103	3903.34
21705	LOC119621	51.21828	0.3053	0.392971	0.776903	0.437216	0.535517	45.53526	56.38342	34.09084	69.19594	59.8951	42.20914
15592	LOC119621	318.7699	0.305115	0.176245	1.7312	0.083416	0.142228	294.3529	268.2318	297.0773	312.4978	329.423	411.0366
20752	NUGGC	72.07	0.305097	0.33512	0.910412	0.362605	0.464437	69.38706	70.61612	51.48412	98.21359	83.42532	59.29379
7013	ACAT2	10029.22	0.305026	0.081807	3.728609	0.000193	0.00073	9200.29	8536.34	9182.958	11169.56	10947.97	11138.19
13957	TMED9	7952.54	0.304867	0.15093	2.019925	0.043391	0.082651	8363.851	5367.92	7618.259	8562.439	8032.361	9770.41
15509	RAB5IF	344.6061	0.304773	0.174945	1.742105	0.08149	0.139688	284.5953	332.279	304.7303	444.1933	372.2053	329.6333
10415	ACAT1	2779.572	0.304586	0.110237	2.763005	0.005727	0.014619	2335.85	2802.201	2323.743	3169.62	2930.582	3115.436
24924	LOC119621	6.726634	0.30454	1.170425	0.260196	0.794712	0.847674	1.626259	4.926706	11.1317	6.696381	14.97377	1.004979
15954	PRDM2	898.9896	0.304528	0.181839	1.674713	0.093991	0.156622	647.2511	1066.906	698.5143	953.1182	1050.303	977.845
12162	SLC22A23	1173.939	0.304359	0.128238	2.373379	0.017626	0.038531	1055.442	1047.746	1055.424	1131.688	1259.936	1493.399
17946	ACCS	356.3705	0.304226	0.225089	1.351582	0.176509	0.261464	379.4605	217.3225	362.476	372.7652	352.9533	453.2457
25023	LOC103231	8.329389	0.304116	1.258593	0.241632	0.809066	0.85957	3.794605	1.642235	4.87012	2.232127	6.417332	4.019918
13155	ANKRD39	1051.397	0.303892	0.139417	2.179739	0.029277	0.059166	977.9238	797.579	1051.946	1100.439	1110.198	1270.294
9867	SPATA13	3021.342	0.303823	0.105129	2.890014	0.003852	0.010379	2597.678	2983.394	2535.245	3227.656	3253.587	3530.493
10067	RSC1A1	4128.262	0.30369	0.10667	2.846997	0.004413	0.011655	3554.46	4094.093	3441.783	4352.648	4417.264	4909.325
18368	LOC103231	146.0411	0.303657	0.239138	1.2698	0.204156	0.295486	147.9896	111.1246	134.9719	151.7846	145.4595	184.9162
8286	TMCO3	3367.135	0.303571	0.09151	3.317357	0.000909	0.002916	3134.885	2916.61	2995.124	3671.849	3583.01	3901.33
13952	PIGT	2876.386	0.303468	0.150099	2.021789	0.043198	0.082314	2142.325	3276.807	2305.654	3232.12	3082.458	3218.949
8231	GCLM	7229.669	0.303407	0.090916	3.337212	0.000846	0.002733	6428.602	6908.885	6082.084	7776.73	7865.51	8316.205
19484	TIGD6	126.1813	0.303345	0.274918	1.103403	0.269852	0.368201	104.6227	147.2538	86.96642	147.3204	126.5075	144.717
11053	ZFYVE21	1103.253	0.303218	0.115941	2.615274	0.008916	0.021446	1040.264	912.5355	1013.681	1203.116	1161.537	1288.384
24111	LOC103241	11.12914	0.303189	0.779869	0.388769	0.697447	0.769011	10.29964	8.211177	11.1317	6.696381	21.39111	9.044815
19156	QRICH2	96.34622	0.30314	0.261477	1.15934	0.246317	0.341843	90.52842	84.84883	83.48776	100.4457	111.2338	107.5328
16532	TIGD7	348.2052	0.303131	0.193139	1.569495	0.116533	0.187395	277.5482	390.3046	265.7694	388.3901	406.431	360.7876
13943	TPRN	594.8896	0.303061	0.149679	2.024741	0.042894	0.081786	589.2479	476.7957	534.3217	683.0309	575.4208	710.5205
11143	PANK2	1155.433	0.302956	0.116827	2.593201	0.009509	0.022686	1084.173	996.2895	1026.204	1323.651	1146.563	1355.717
11256	DGKZ	2524.778	0.302921	0.117912	2.569039	0.010198	0.024086	2279.473	2085.639	2423.928	2729.891	2494.203	3135.536
8932	LOC103211	2769.01	0.302736	0.096513	3.136756	0.001708	0.005084	2575.994	2503.314	2359.921	2874.98	3206.527	3093.327
23602	TRNAQ-CU	15.75204	0.302675	0.6465	0.468175	0.63966	0.720507	10.84173	13.6853	17.39328	24.5534	14.97377	13.06473
14787	GPX1	7831.752	0.30267	0.161351	1.87585	0.060676	0.109087	7958.37	4916.306	8165.799	8950.829	8289.054	8710.157
9513	NBFB2	1768.484	0.30229	0.101426	2.980393	0.002879	0.008045	1516.758	1699.166	1534.783	1962.04	1961.564	1936.595
9645	ZMAT3	5301.088	0.302202	0.102479	2.948918	0.003189	0.00879	4487.391	5272.123	4487.467	5633.888	5752.069	6173.589
9704	MCUB	1746.481	0.301719	0.103047	2.927984	0.003412	0.009347	1594.276	1489.508	1605.748	1959.807	2023.599	1805.948
19687	LOC119621	89.27821	0.301708	0.28149	1.071824	0.283799	0.383238	71.5554	83.2066	84.87923	87.05295	115.512	93.46309
11325	IFFO2	1407.215	0.301492	0.118148	2.551818	0.010716	0.025156	11					



21403	ABCA4	48.96681	0.300654	0.36866	0.815533	0.414767	0.514935	49.32986	37.77142	44.52681	46.87467	62.03421	53.26391
21389	HAPLN4	59.78854	0.300601	0.367515	0.817927	0.413399	0.513804	45.53526	59.66789	54.26705	58.0353	91.98176	49.24399
9060	DSTYK	2327.95	0.300468	0.097167	3.092295	0.001986	0.005827	2220.386	2029.803	2010.664	2578.107	2485.647	2643.096
13979	DAGLB	801.1051	0.300209	0.148923	2.01587	0.043814	0.083324	787.1094	674.9588	697.8186	830.3512	772.219	1044.174
11426	MAGED2	6932.854	0.30018	0.118623	2.530546	0.011389	0.026498	6894.797	5349.856	6403.512	7254.413	7253.724	8440.823
12452	HECTD3	803.3855	0.299913	0.129809	2.310426	0.020865	0.044546	712.3015	799.2212	649.1174	899.5472	855.6443	904.4815
21760	CHIT1	48.99199	0.299889	0.391128	0.766729	0.443243	0.541509	55.29281	37.224	40.35242	42.41041	51.33866	67.33362
16601	LOC119618	783.8782	0.299661	0.192459	1.55701	0.119468	0.191317	872.217	504.1663	734.6923	841.5119	765.8016	984.8799
14233	PIGM	412.6291	0.299634	0.15211	1.969857	0.048855	0.091253	361.0295	407.2744	342.2998	457.586	434.2395	473.3453
9005	DENND1B	1813.075	0.299549	0.096173	3.114696	0.001841	0.005436	1650.653	1647.71	1580.702	1970.968	1955.147	2073.273
8759	ACO2	16557.37	0.299366	0.093976	3.185549	0.001445	0.004385	15535.11	14409.52	14599.23	17999.87	16913.95	19886.53
11730	IRAK3	1759.618	0.299246	0.121445	2.464052	0.013738	0.031135	1100.977	1335.137	1115.953	1412.936	1416.091	1536.614
16690	LOC103234	628.5284	0.298977	0.19357	1.544537	0.122458	0.195068	626.1098	390.3046	675.5552	683.0309	686.6545	709.5155
13215	CSPP1	1081.461	0.298922	0.13805	2.165323	0.030363	0.06108	950.8195	1128.763	827.9203	1178.563	1244.962	1157.736
21006	LOC119620	57.32831	0.298863	0.340343	0.878122	0.379877	0.480632	49.32986	49.26706	54.96278	60.26743	74.86887	55.27387
14439	FBXL18	574.6838	0.298816	0.15429	1.93672	0.05278	0.097177	563.2277	440.1191	544.7577	662.9417	564.7252	672.3313
25834	LOC103215	0.977731	0.298686	2.618256	0.114078	0.909176	0.935533	0.542086	0	2.087194	2.232127	0	1.004979
25835	LOC119621	0.977731	0.298686	2.618256	0.114078	0.909176	0.935533	0.542086	0	2.087194	2.232127	0	1.004979
14864	TIMM8B	1348.196	0.298675	0.160581	1.859964	0.062891	0.112476	1278.782	907.0614	1441.555	1551.328	1465.291	1445.16
25216	LOC119625	3.871283	0.298461	1.409791	0.211706	0.832337	0.877543	2.710432	3.831883	3.478657	8.928508	4.278221	0
24406	LOC103240	10.84304	0.298204	0.861989	0.345949	0.729381	0.794501	4.336691	15.32753	9.044508	8.928508	21.39111	6.029877
11572	DDRGR1	1302.985	0.297529	0.11896	2.501083	0.012381	0.028445	1134.045	1298.461	1076.992	1421.865	1369.031	1517.519
22299	LOC103243	39.06121	0.297439	0.440711	0.674906	0.499735	0.595787	41.19856	27.37059	35.4823	42.41041	57.75599	30.14938
22381	MEX3B	33.26907	0.297383	0.449728	0.66125	0.508452	0.603959	34.69353	30.10765	25.04633	26.78552	42.78221	40.19918
21991	LOC119624	46.47622	0.297379	0.407828	0.729177	0.465894	0.563221	35.7777	39.41365	48.7012	51.33892	68.45154	35.17428
11196	DAZAP2	5852.672	0.297356	0.11513	2.582776	0.009801	0.023272	4859.262	6143.055	4751.845	6428.526	6479.366	6453.978
14645	PATL1	1255.986	0.297114	0.156555	1.897826	0.057719	0.104777	982.2605	1426.008	971.9367	1392.847	1401.117	1361.747
11390	XPO7	4498.425	0.297082	0.117005	2.53906	0.011115	0.025943	3794.062	4664.496	3654.677	4924.072	4676.096	5277.147
25641	LOC119625	1.302091	0.297044	2.067684	0.14366	0.885769	0.918343	1.084173	1.094824	1.391463	2.232127	0	2.009959
22843	UMODL1	26.97439	0.296653	0.505854	0.58644	0.55758	0.648919	18.97302	22.44388	30.61218	33.4819	34.22577	22.10955
9946	IFNAR2	3287.995	0.296612	0.103124	2.87627	0.004024	0.010757	2887.152	3265.859	2699.438	3631.671	3627.932	3615.916
13488	OAZ2	915.8588	0.296573	0.14061	2.109192	0.034928	0.068844	811.5033	740.6482	919.7569	937.4933	939.0696	1146.682
24832	NPAS1	5.103566	0.296553	1.073626	0.276216	0.782382	0.837623	4.878777	3.831883	4.87012	4.464254	8.556443	4.019918
24263	LOC103230	10.19607	0.296534	0.80843	0.366802	0.713767	0.782075	9.7407123	10.40082	9.740239	6.696381	19.252	8.039836
22132	LOC103231	40.65875	0.296483	0.421488	0.703419	0.481795	0.578733	42.28274	33.39212	34.78657	29.01765	49.19955	55.27387
12729	MARK4	839.8895	0.296473	0.131662	2.251777	0.024336	0.050823	698.2072	840.2771	726.3436	874.9938	900.5656	998.9496
9807	APOBEC3G	1919.479	0.296338	0.102068	2.90333	0.003692	0.010008	1725.461	1740.77	1708.716	2037.932	2008.625	2295.373
11007	KATNAL1	1240.821	0.296042	0.112657	2.627811	0.008594	0.020756	1193.132	1063.074	1088.124	1274.545	1398.978	1427.071
18272	LACC1	225.5467	0.296025	0.229564	1.28951	0.197221	0.286948	160.9997	262.7577	182.9774	238.8376	269.5279	238.1801
25274	GUCA1C	3.909731	0.295979	1.457981	0.203006	0.83913	0.882622	3.794605	2.189647	4.174388	1.16063	2.139111	0
14020	MIDN	670.7449	0.295891	0.147225	2.009785	0.044454	0.084294	525.2817	643.2089	642.1601	723.2091	669.5416	821.0682
13297	PRKAB2	563.1573	0.295794	0.137696	2.148165	0.031701	0.06338	516.6083	543.0325	455.704	638.3883	618.203	607.0076
20233	ATXN7L1	111.3148	0.295671	0.298648	0.990032	0.322158	0.423297	94.32303	129.1892	76.53045	93.74933	145.4595	128.6374
23671	LOC103215	17.20259	0.295639	0.644455	0.458744	0.646418	0.726022	16.80468	15.87494	13.2189	11.16063	32.08666	14.06971
15679	LOC103220	267.4326	0.295621	0.171755	1.721181	0.085218	0.144494	222.7975	251.262	245.5932	294.6408	305.8928	284.4092
24043	SEMA3D	19.66237	0.295469	0.738277	0.400215	0.688998	0.761844	9.215468	24.63353	18.08902	26.78552	34.22577	5.024897
11064	SGSH	1131.966	0.295308	0.113027	2.612713	0.008983	0.021584	1034.843	988.0783	1030.378	1265.616	1142.285	1330.593
23989	LOC119620	14.08231	0.295201	0.723514	0.408011	0.683266	0.757175	15.7205	7.663765	13.91463	15.62489	23.53022	8.039836
11844	TMEM254	1151.556	0.295111	0.121009	2.438761	0.014738	0.033082	1006.112	1084.423	1017.855	1209.813	1170.094	1421.041
16128	RGS7	318.6291	0.294959	0.179793	1.640548	0.100891	0.166307	269.4169	332.8264	253.942	366.0688	367.927	321.5934
18190	THAP8	132.4103	0.294895	0.226332	1.302933	0.192598	0.281497	117.0907	117.1461	122.4487	154.0168	139.0422	144.717
23510	LOC103215	17.04607	0.294752	0.612002	0.48162	0.630076	0.712457	13.01007	13.13788	19.48048	22.32127	19.252	15.07469
23002	LOC103244	23.05102	0.294679	0.523758	0.562625	0.57369	0.663053	21.68345	19.70683	20.17621	24.5534	32.08666	20.09959
15780	TMEM80	390.3486	0.294599	0.172765	1.705201	0.088157	0.14852	399.5177	295.6024	358.9974	419.6399	400.0137	468.3204
21549	PDGFRA	51.31469	0.29452	0.36953	0.797014	0.425443	0.524869	42.82482	56.93083	38.96096	49.10679	57.75599	62.30873
11290	GRIK5	1006.96	0.294517	0.115032	2.5603	0.010458	0.024626	883.0587	971.656	860.6197	1087.046	1086.668	1152.711
11010	TMEM184	3879.176	0.294458	0.112091	2.626951	0.008615	0.020803	3218.909	4005.412	3230.281	4174.077	4286.778	4359.601
13384	SMAP2	946.6573	0.294457	0.138232	2.130176	0.033157	0.065856	754.0421	985.3413	814.0057	1026.778	988.2691	1111.507
25204	GPER1	3.509797	0.294188	1.371576	0.214489	0.830165	0.875679	3.252518	2.189647	4.174388	0	6.417332	5.024897
15167	IL17RC	982.6248	0.294135	0.163225	1.802014	0.071543	0.125377	1032.132	689.7389	929.4971	1082.582	966.878	1194.921
25663	CCDC80	1.302978	0.294026	2.094599	0.140373	0.888365	0.920281	0.542086	1.642235	1.391463	2.232127	0	2.009959
14425	FBXL16	519.0497	0.293996	0.151602	1.939264	0.052469	0.0967	420.659	512.9249	468.9229	553.5675	524.0821	634.142
11155	EHHADH	2238.571	0.29382	0.113381	2.591442	0.009557	0.022778	1913.023	2242.199	1882.649	2412.929	2329.492	2651.136
11775	CDIP1	2401.895	0.293288	0.119521	2.453856	0.014133	0.03191	2312.54	1911.562	2257.648	2524.536	2468.534	2936.55
9119	FAM210B	1711.954	0.293249	0.095259	3.07843	0.002081	0.006067	1568.256	1530.016	1518.086	1904.004	1843.913	1907.451
16327	FAM229B	291.6055	0.293245	0.183245	1.600288	0.109535	0.178354	295.4371	223.344	265.7694	337.0512	331.5622	296.4689
24127	LOC103215	10.87093	0.292993	0.7588	0.386127	0.699403	0.770624	9.215468	10.40082	9.740239	6.696381	17.11289	12.05975
11139	MAVS	2971.099	0.29296	0.112918	2.59445	0.009474	0.022612	2473.54	3021.166	2519.243	3281.227	3080.319	3451.099
12278	VHL	1072.106	0.292937	0.124669	2.349709	0.018788	0.040681	989.3076	1054.315	846.0093	1151.778	1221.432	1169.796
8602	LOC119620	7152.984	0.292901	0.09072	3.228634	0.001244	0.003844	6732.713	6544.308	6014.598			



12837	ATP1B3	2322.547	0.292486	0.131079	2.231369	0.025657	0.053134	2330.971	1750.076	2187.379	2428.554	2419.334	2818.967
10396	ADD3	4078.529	0.292483	0.105704	2.767014	0.005657	0.014467	3499.71	4124.201	3375.689	4549.075	4365.925	4556.577
17130	MTRES1	861.2355	0.292279	0.197989	1.476237	0.13988	0.217077	611.4734	1065.263	644.2472	944.1897	1028.912	873.3272
20261	LOC119621	82.72936	0.292242	0.296494	0.98566	0.3243	0.425504	76.97626	70.61612	77.22618	89.28508	72.72976	109.5428
22376	LOC103231	34.79477	0.292242	0.441241	0.662318	0.507768	0.60328	31.44101	25.72836	37.56949	35.71403	32.08666	46.22906
24845	LOC103241	5.466931	0.292186	1.066364	0.274002	0.784083	0.838962	3.252518	4.926706	6.261582	8.928508	6.417332	3.014938
25077	LOC103241	3.8572	0.292118	1.248574	0.233961	0.815015	0.864026	2.189647	3.794605	4.174388	6.696381	4.278221	2.009959
13588	UST	493.1154	0.291866	0.139531	2.091757	0.03646	0.071331	450.4738	470.2267	408.3943	558.0317	536.9168	534.6491
10064	UFC1	2457.675	0.291854	0.102479	2.847929	0.0044	0.011624	2343.981	2047.32	2241.646	2732.123	2551.959	2829.017
10431	MRI1	1243.106	0.291475	0.105588	2.76049	0.005771	0.014709	1132.418	1152.849	1070.731	1341.508	1339.083	1422.046
10855	PLEKHH1	1311.552	0.291447	0.109575	2.659803	0.007819	0.019149	1244.63	1149.565	1147.261	1459.811	1345.501	1522.544
12680	CMTM7	1296.607	0.291374	0.128672	2.264469	0.023545	0.049365	1125.371	1332.948	1042.206	1334.812	1426.787	1517.519
20323	LOC103241	82.49886	0.291289	0.298892	0.974472	0.329822	0.431448	74.26583	84.30142	62.61582	93.74933	102.6773	77.38342
10745	ZNF335	1879.466	0.290942	0.108526	2.680866	0.007343	0.018168	1767.202	1582.568	1727.501	1921.861	2038.572	2239.094
22662	CARD9	27.3179	0.290803	0.474284	0.613142	0.539783	0.633279	26.02015	21.89647	25.74206	29.01765	32.08666	29.1444
16595	LOC103231	507.1132	0.290644	0.186536	1.558106	0.119208	0.19097	494.9249	345.9643	528.7558	611.6028	485.5781	575.8532
24745	SPARCL1	7.074225	0.290563	0.99991	0.290589	0.771365	0.828723	7.047123	6.568942	4.87012	13.39276	8.556443	2.009959
21070	LOC119621	83.92573	0.29054	0.333977	0.869943	0.384332	0.484929	68.30288	96.34448	61.22436	69.19594	124.0684	84.41828
10324	LOC103211	1769.57	0.290497	0.104384	2.782965	0.005386	0.013871	1643.606	1567.787	1568.874	1964.272	1792.575	2080.308
10978	SCAMP3	1776.47	0.290495	0.110283	2.634087	0.008436	0.02043	1631.138	1550.27	1618.967	1955.343	1760.488	2142.616
22582	LOC119611	50.67469	0.290414	0.462973	0.627281	0.530475	0.62451	69.38706	21.89647	45.91827	44.64254	59.8951	62.30873
24672	LOC103231	6.749969	0.290357	0.953612	0.304481	0.760761	0.819749	6.505036	3.831883	7.653045	8.928508	8.556443	5.024897
21972	LOC119621	47.17234	0.290275	0.396636	0.731841	0.464265	0.56169	38.48813	40.50847	48.00546	71.42806	36.36488	48.23901
22819	GRM2	25.7556	0.290213	0.492298	0.589506	0.555522	0.647123	22.22554	21.34906	26.43779	24.5534	27.80844	32.15934
24537	MAG	8.992598	0.290185	0.893278	0.324854	0.745292	0.807498	7.047123	4.926706	11.82743	11.16063	14.97377	4.019918
10422	GABARAPL	2981.563	0.290183	0.105083	2.761469	0.005754	0.014678	2531.543	2966.972	2552.638	3176.317	3210.805	3451.099
9539	CCDC50	9412.962	0.290048	0.097517	2.974344	0.002936	0.008183	8041.309	9434.643	7933.425	10345.91	10316.93	10405.56
23340	LOC119621	24.51097	0.289993	0.571516	0.50741	0.611867	0.696912	13.01007	25.18094	27.13352	35.71403	29.94755	16.07967
9637	NQO2	3129.095	0.289972	0.098242	2.951604	0.003161	0.008721	2755.967	2977.373	2718.222	3419.619	3232.196	3671.19
8185	CHURC1	4102.403	0.289847	0.086492	3.351147	0.000805	0.002614	3560.423	3851.59	3661.634	4535.682	4552.027	4453.064
10604	DDI2	5068.312	0.289828	0.106515	2.720999	0.006508	0.016317	4365.964	5092.025	4228.655	5343.712	5411.95	5967.568
23822	LOC103241	14.71815	0.289821	0.667596	0.434126	0.664197	0.741234	17.34676	12.59047	9.740239	11.16063	21.39111	16.07967
9975	UBE2Q2	1505.713	0.289657	0.101003	2.867798	0.004133	0.011016	1349.253	1389.879	1323.281	1741.059	1627.863	1602.942
16818	LOC119611	342.0574	0.289316	0.190048	1.522331	0.127926	0.202219	378.3763	257.2836	287.3371	359.3724	402.1528	367.8225
11264	GALNT17	1630.629	0.289272	0.112707	2.566594	0.01027	0.02424	1405.63	1585.852	1416.509	1709.809	1711.289	1954.685
12088	ETS1	12570.36	0.289169	0.121005	2.38973	0.016861	0.037082	10404.81	13344.26	10198.73	13301.24	13191.9	14981.23
8878	CNN3	9828.445	0.289132	0.091836	3.148367	0.001642	0.004915	8433.78	9642.112	8462.181	10828.05	11044.23	10560.32
15945	TICAM2	312.2473	0.289017	0.172383	1.676601	0.09362	0.156092	267.7907	310.3825	262.2907	370.5331	352.9533	309.5337
14496	PER2	474.7627	0.288981	0.150066	1.92569	0.054143	0.099296	412.5277	444.4984	427.8748	544.639	449.2132	569.8234
10447	CYTH3	1474.345	0.288659	0.104743	2.75587	0.005854	0.014896	1306.97	1364.15	1315.628	1558.025	1569.619	1737.61
22096	LOC119621	46.22545	0.288517	0.406048	0.710549	0.477364	0.574358	47.16151	32.84471	43.83108	46.87467	68.45154	38.18922
12079	KIF3C	4368.48	0.288502	0.120671	2.390805	0.016811	0.037001	3641.194	4550.634	3610.846	4823.626	4395.872	5188.709
13294	MSL2	2019.271	0.288374	0.134176	2.149214	0.031617	0.063228	1631.68	2171.583	1653.753	2140.61	2124.137	2393.861
20330	LOC119621	108.9278	0.288327	0.296646	0.971956	0.331073	0.432935	80.22878	129.1892	84.87923	138.3919	96.25998	124.6175
20507	LOC119621	104.3655	0.288145	0.304985	0.944786	0.344768	0.44696	74.26583	128.0944	78.61764	129.4634	111.2338	104.5179
22899	SKOR1	28.96546	0.288114	0.497236	0.579432	0.562298	0.652809	20.0572	21.89647	36.17803	29.01765	38.50399	28.13943
11100	ST7	978.552	0.28808	0.110566	2.605495	0.009174	0.021973	898.7792	897.208	848.7923	1082.582	1037.469	1106.482
12052	LOC103241	5999.96	0.28801	0.120156	2.396973	0.016531	0.036465	4949.791	6401.981	4858.292	6473.168	6500.757	6815.771
15065	FGD4	499.9053	0.287999	0.158051	1.822188	0.068426	0.120751	416.8644	529.3472	402.8285	564.7281	554.0297	531.6341
20677	HE57	80.1996	0.287863	0.311122	0.924948	0.354993	0.456424	54.20864	85.94365	76.53045	91.51721	85.56443	87.43321
11792	ELMO2	1602.55	0.28781	0.11741	2.45133	0.014233	0.032088	1443.576	1515.783	1376.157	1571.417	1747.653	1960.715
10002	MCCC1	1469.657	0.287711	0.100561	2.86107	0.004222	0.011222	1354.674	1349.918	1266.231	1638.381	1578.664	1630.077
10602	CREBL2	1609.922	0.287625	0.105692	2.721348	0.006502	0.016303	1408.34	1560.124	1383.81	1718.738	1743.375	1845.142
11925	WDR37	1235.929	0.28742	0.11879	2.41956	0.015539	0.034643	1194.758	1058.147	1091.603	1247.759	1336.944	1486.365
15268	TMSB4X	27581.04	0.287186	0.160871	1.785201	0.074229	0.129259	28457.91	17240.74	28837.37	30124.79	29812.79	31012.66
23557	LOC119621	21.0812	0.286711	0.602985	0.475487	0.63444	0.715986	18.97302	22.44388	15.30609	11.16063	38.50399	20.09959
15108	MEF2C	1112.978	0.286612	0.15817	1.812056	0.069978	0.123129	840.776	1236.603	933.6715	1191.956	1125.172	1349.687
20121	ZNHIT2	112.8896	0.286598	0.283937	1.009369	0.312797	0.413286	91.07051	81.56436	133.5804	127.2312	111.2338	132.6573
23955	XKR9	17.12315	0.286526	0.692223	0.413922	0.678931	0.75347	11.9259	12.59047	20.87194	26.78552	23.53022	7.034856
10693	GNAI2	14915.06	0.286486	0.106357	2.693632	0.007068	0.017572	12694.04	15105.83	12520.38	16604.79	15147.04	17418.3
21174	LOC103231	68.0046	0.286447	0.335155	0.85467	0.392734	0.493097	56.91907	67.33165	57.7457	93.74933	77.00798	55.27387
11916	DDX24	6457.647	0.28636	0.118259	2.421461	0.015458	0.034488	5362.86	6842.648	5252.772	6890.576	6969.223	7427.803
11268	WIZ	1409.805	0.286213	0.111541	2.565983	0.010288	0.024276	1229.994	1258.5	1327.455	1566.953	1409.674	1666.256
23601	LOC119621	17.40524	0.286194	0.611302	0.468172	0.639662	0.720507	10.29964	18.612	18.08902	20.08914	19.252	18.08963
24589	LOC119621	7.396913	0.286151	0.898827	0.318361	0.750211	0.811109	8.673382	4.926706	6.261582	8.928508	8.556443	7.034856
24219	LOC103221	11.60583	0.286039	0.771158	0.370921	0.710696	0.780107	16.26259	5.474118	9.740239	13.39276	10.69555	14.06971
15489	TM6SF2	404.4213	0.286004	0.163764	1.746444	0.080734	0.13857	408.7331	336.6583	350.6486	392.8543	449.2132	488.42
17307	LOC103241	185.3796	0.285917	0.197492	1.44774	0.14769	0.226864	177.8043	164.771	158.6268	196.4272	209.6328	205.0158
11716	LOC119611	1651.609	0.285737	0.115767	2.468205	0.013579	0.030813	1540.067	1464.327	1467.993	1754.452	1640.698	2042.118



9319	GBE1	3914.535	0.285197	0.094226	3.026725	0.002472	0.007053	3695.403	3564.746	3330.466	4127.203	4226.883	4542.507
22246	HMCN2	68.76677	0.285106	0.416197	0.685026	0.493327	0.589556	63.96619	44.34036	75.83472	75.89232	113.3729	39.1942
24676	ST8SIA5	7.132716	0.28504	0.940706	0.303007	0.761885	0.820794	5.420864	6.02153	7.653045	13.39276	4.278221	6.029877
16201	FAM174A	593.639	0.284767	0.175065	1.62664	0.103814	0.170326	450.4738	676.601	477.2717	660.7096	671.6807	625.0972
18546	LOC119622	222.0829	0.284633	0.228944	1.243244	0.213778	0.306443	196.2353	151.0857	254.6377	238.8376	237.4413	254.2598
15963	PPFIA3	466.7652	0.284295	0.16998	1.67252	0.094422	0.157251	436.3795	349.7961	480.0546	484.3716	479.1608	570.8283
23910	MDFI	22.41338	0.284209	0.674523	0.421348	0.673501	0.748851	17.88885	13.13788	28.52499	37.94616	29.94755	7.034856
10845	MAPK14	4260.838	0.283908	0.106665	2.661669	0.007775	0.01906	4154.008	3593.759	3787.562	4450.861	4417.264	5161.575
10634	TMEM259	5100.936	0.283906	0.104756	2.710171	0.006725	0.016812	4595.266	4343.165	4870.12	5636.121	5037.606	6123.34
21765	LOC119624	51.2117	0.283887	0.370727	0.765757	0.443821	0.542108	40.11439	58.57306	39.65669	58.0353	55.61688	55.27387
12576	KIFBP	2571.311	0.28384	0.124017	2.288723	0.022095	0.046709	2201.413	2658.779	2099.717	2915.158	2534.846	3017.953
21033	EFNA4	76.20878	0.283767	0.324165	0.875381	0.381367	0.482012	62.33993	54.19377	89.74935	89.28508	81.28621	80.39836
9643	WDFY1	3445.104	0.283749	0.0962	0.949562	0.003182	0.008773	3172.289	3246.152	2906.766	3776.759	3597.984	3970.674
10168	GPC4	7611.034	0.283613	0.100504	2.821917	0.004774	0.012479	6578.218	7390.607	6633.799	7924.051	7983.161	9156.368
13402	CAPN15	961.8762	0.283555	0.1333	2.127195	0.033404	0.066262	898.7792	766.3765	940.6288	1100.439	945.4869	1119.547
22589	CDH8	37.62599	0.283459	0.452798	0.626017	0.531304	0.625292	31.44101	38.31883	30.61218	44.64254	55.61688	25.12449
24620	ASB11	7.38141	0.283214	0.905243	0.31286	0.754387	0.814597	8.673382	4.926706	6.261582	6.696381	10.69555	7.034856
20462	LOC119620	78.18692	0.282913	0.297135	0.952135	0.341029	0.443077	69.92914	64.59459	77.22618	98.21359	72.72976	86.42823
14962	DEPDC7	537.887	0.282912	0.153636	1.841444	0.065556	0.116483	467.8205	526.6102	462.6614	654.0132	494.1346	622.0823
24085	LOC119615	11.98693	0.282899	0.720494	0.392646	0.694581	0.766678	11.38381	8.758589	12.52316	15.62489	8.556443	15.07469
19293	LOC103222	134.3212	0.282895	0.248915	1.136514	0.255741	0.352402	143.6529	100.7238	120.3615	133.9276	145.4595	161.8017
25315	LOC103214	2.879469	0.28277	1.434128	0.197172	0.843693	0.886019	3.252518	2.189647	2.087194	4.464254	4.278221	1.004979
11193	TCEAL8	4183.839	0.282726	0.109445	2.583268	0.009787	0.032345	3456.885	4095.735	3767.385	4642.824	4975.571	4164.635
22424	LOC103225	36.72892	0.282703	0.43322	0.652563	0.514038	0.609423	34.15144	27.918	38.26523	29.01765	42.78221	48.23901
21145	LOC119625	70.41727	0.282699	0.329188	0.858777	0.390464	0.490919	61.79785	73.90059	53.57132	73.66019	96.25998	63.31371
15020	POLM	425.0096	0.282641	0.154475	1.829689	0.067296	0.119113	344.2248	425.339	380.5651	448.6575	491.9955	459.2756
9489	RNF13	2189.475	0.282285	0.09451	2.986841	0.002819	0.007897	1984.036	1891.855	2050.32	2419.626	2451.421	2339.592
9596	MIA2	2371.742	0.281837	0.095138	2.962392	0.003053	0.008457	2118.474	2221.397	2078.15	2698.642	2637.523	2476.269
16506	ZNF546	226.9322	0.281676	0.178902	1.574466	0.11538	0.185828	203.8245	206.9217	203.8493	241.0697	256.6933	249.2349
11395	ZMIZ2	2330.001	0.281558	0.110914	2.538519	0.011132	0.025972	1876.703	2272.854	2163.029	2604.892	2404.36	2658.171
16645	PGBD2	255.1944	0.281493	0.181647	1.549673	0.12122	0.19361	220.0871	251.8094	217.0682	303.5693	282.3626	256.2698
14361	LOC103247	602.1462	0.281274	0.144273	1.949592	0.051225	0.094827	578.9482	514.0197	541.9747	660.7096	577.5599	739.6649
23079	PLA2G4E	23.19222	0.280886	0.511099	0.549573	0.582612	0.671119	20.59928	21.89647	20.17621	24.5534	27.80844	24.11951
25708	LOC119623	1.285701	0.28069	2.101856	0.133544	0.893763	0.924217	1.626259	0.547412	1.391463	0	2.139111	2.009959
25709	LOC119626	1.285701	0.28069	2.101856	0.133544	0.893763	0.924217	1.626259	0.547412	1.391463	0	2.139111	2.009959
15196	UQCR10	3108.778	0.280523	0.156132	1.796704	0.072383	0.126631	3035.142	2060.458	3329.075	3363.815	3298.509	3565.667
21734	LOC103233	62.53012	0.280518	0.363418	0.771888	0.440181	0.538429	41.19856	72.25836	54.96278	69.19594	81.28621	56.27885
23851	RNF148	17.37876	0.280382	0.651727	0.430214	0.66704	0.743489	15.17842	10.94824	21.56767	8.928508	23.53022	24.11951
14845	FAM177A1	1298.283	0.28014	0.150372	1.862976	0.062466	0.111866	1080.92	1421.081	1011.593	1491.061	1518.769	1266.274
22869	LOC103241	28.3247	0.280059	0.480127	0.583302	0.55969	0.650606	26.02015	30.10765	20.87194	24.5534	34.22577	34.1693
14395	AP1M2	1043.22	0.27973	0.143905	1.943845	0.051914	0.095876	1039.722	760.355	1026.9	1169.635	1140.146	1122.562
21558	HAGHL	81.38721	0.279729	0.351494	0.795829	0.426132	0.525514	89.44425	45.98259	86.27069	91.51721	70.59065	104.5179
9735	LOC103245	3799.854	0.279719	0.095798	2.919899	0.003501	0.009562	3552.292	3413.66	3338.119	4037.918	3948.798	4508.338
12918	BBX	6220.699	0.279535	0.12602	2.218179	0.026543	0.05462	5110.79	6748.493	5002.309	6578.078	6686.86	7197.663
8368	LOC103235	5725.685	0.279362	0.084822	3.293501	0.000989	0.003144	5355.813	4998.965	5165.805	6392.812	6060.101	6380.615
14637	ERP44	1848.269	0.279233	0.147016	1.899343	0.057519	0.104472	1463.633	2082.902	1461.732	2116.056	1991.512	1973.78
15575	RNF113A	468.8644	0.27914	0.161091	1.732809	0.08313	0.141894	413.6119	485.5543	368.7376	540.1747	534.7777	470.3304
10718	MSMO1	16826.92	0.279117	0.103878	2.686965	0.00721	0.017885	16406.79	13553.37	15658.13	17977.55	17470.12	19895.58
21934	MYH15	62.50596	0.279016	0.378088	0.737966	0.460535	0.558168	49.87195	66.23683	51.48412	66.96381	96.25998	44.2191
24560	ZNF214	9.030372	0.278589	0.8645	0.322255	0.74726	0.808872	8.673382	8.211177	6.957314	15.62489	10.69555	4.019918
17963	LOC119615	411.3536	0.278526	0.206455	1.349092	0.177307	0.262413	454.2684	296.6972	361.7803	415.1756	558.3079	381.8922
23665	LOC103247	16.50384	0.278518	0.605302	0.460131	0.645422	0.72506	15.17842	13.6853	16.00182	20.08914	14.97377	19.09461
10130	HIPK3	4959.549	0.278443	0.098352	2.831096	0.004639	0.012173	4238.031	4956.814	4252.31	5357.105	5488.958	5464.073
11071	ALAS1	2924.289	0.278359	0.106599	2.61127	0.009021	0.021661	2681.701	2786.326	2466.368	3153.995	2951.973	3505.368
10476	SNTB2	3000.938	0.278122	0.101129	2.750182	0.005956	0.015115	2658.392	2929.748	2553.334	3162.924	3212.944	3488.284
19752	LOC103226	110.0671	0.277913	0.262213	1.059876	0.289201	0.389247	94.86511	117.1461	85.57496	129.4634	119.7902	113.5627
22407	LOC119627	35.49711	0.277838	0.423913	0.655412	0.512202	0.607707	29.81475	37.77142	28.52499	40.17829	38.50399	38.18922
13825	NRG1	2479.896	0.277722	0.135836	2.044535	0.040901	0.078671	2015.477	2733.775	1977.269	2631.678	2710.253	2810.928
24393	LOC103236	12.16532	0.277595	0.798551	0.347624	0.728123	0.793527	11.9259	7.663765	13.2189	4.464254	25.66933	10.04979
14804	MNT	501.6506	0.277588	0.148293	1.871886	0.061222	0.109941	434.7533	457.6363	468.2272	620.5313	477.0217	551.7337
9880	ALDOA	24834.97	0.277573	0.096144	2.887047	0.003889	0.010464	22628.85	22842.4	21896.75	26312.31	25106.74	30222.75
12134	GPKOW	1128.679	0.277534	0.116662	2.378946	0.017362	0.038043	1010.991	1067.453	985.8514	1276.777	1114.477	1316.523
12802	DYRK3	705.5824	0.277485	0.12393	2.239048	0.025153	0.052233	623.3993	666.2002	626.1582	785.7087	723.0194	809.0085
22923	SLC25A2	27.39961	0.277467	0.481836	0.575853	0.564714	0.654929	27.10432	25.72836	20.87194	33.4819	32.08666	25.12449
15261	APLF	814.495	0.277366	0.15531	1.785883	0.074118	0.129116	649.4195	898.8502	659.5533	948.654	864.2007	866.2923
13641	SNRNP25	1770.06	0.277365	0.133285	2.080994	0.037434	0.072956	1745.734	1304.482	1741.416	1930.79	2008.625	1880.317
8514	ITPRID2	5780.452	0.277309	0.085243	2.353141	0.001141	0.003564	5289.679	5367.373	5024.572	6408.437	6096.465	6496.187
18927	SAMD15	226.8557	0.277233	0.231195	1.199131	0.230477	0.32373	166.4205	265.4947	181.5859	261.1589	267.3888	219.0855
21246	LOC103230	61.92248	0.277155	0.329138	0.842064	0.399752	0.500208	54.75072	52.55153	59.8329	66.96381	79.14709	58.28881



16621	ACOT11	346.7926	0.276648	0.177957	1.55458	0.120046	0.192003	344.7669	270.4214	329.0809	345.9797	359.3706	431.1362
15033	ALAD	730.0857	0.276546	0.151367	1.826996	0.0677	0.11971	734.527	558.3601	690.8613	821.4227	708.0456	867.2973
18545	ZFYVE28	138.9576	0.276404	0.222208	1.243897	0.213537	0.306114	128.4745	122.0728	125.9274	162.9453	147.5986	146.727
22071	RTL9	51.59753	0.276069	0.386844	0.713644	0.475447	0.572661	37.94605	63.49977	38.26523	53.57105	62.03421	54.26889
22388	PRRX1	53.63664	0.275947	0.41787	0.660367	0.509018	0.604442	35.23561	37.77142	72.35606	51.33892	74.86887	50.24897
12078	SLC25A13	2480.504	0.275925	0.115343	2.39222	0.016747	0.036862	2295.194	2306.793	2135.2	2787.927	2353.022	3004.889
23996	LOC103231	13.54384	0.275888	0.677932	0.406956	0.68404	0.757844	14.63633	9.306001	12.52316	15.62489	17.11289	12.05975
24529	LOC103241	9.319277	0.275872	0.847064	0.325681	0.744666	0.807045	9.215468	11.49565	4.174388	11.16063	12.83466	7.034856
12239	ARL2	2991.165	0.275764	0.116903	2.35891	0.018329	0.039809	2904.499	2319.931	2897.721	3212.031	3146.632	3466.174
23636	FAM180B	19.01601	0.275602	0.594614	0.463497	0.643008	0.723235	18.43094	12.04306	20.87194	17.85702	27.80844	17.08465
11482	BAIAP2	1383.089	0.275515	0.109294	2.520872	0.011706	0.027105	1301.549	1171.461	1285.016	1502.221	1435.343	1602.942
24072	LOC103241	13.16941	0.275177	0.698032	0.394218	0.69342	0.76581	13.55216	10.94824	11.1317	8.928508	21.39111	13.06473
24911	LOC103241	5.491093	0.275121	1.047477	0.262652	0.792819	0.846096	6.505036	2.737059	5.565851	6.696381	6.417332	5.024897
13132	MGRN1	836.8837	0.275003	0.12599	2.182743	0.029055	0.05882	730.7324	836.9927	705.4716	879.458	921.9567	946.6907
12741	AKT3	6160.871	0.274991	0.122202	2.250293	0.02443	0.050976	5087.481	6646.674	4993.264	6598.167	6659.052	6980.587
11528	ERP29	5594.316	0.274953	0.109625	2.508119	0.012138	0.027991	4783.912	5812.966	4590.436	6147.278	6137.109	6094.196
15047	TEC	467.5511	0.274948	0.15071	1.824343	0.0681	0.120319	378.9184	465.3	425.7876	477.6752	539.0559	518.5694
22115	LOC119621	48.51855	0.274717	0.388996	0.706221	0.480051	0.577101	45.53526	31.74989	54.96278	49.10679	53.47777	56.27885
11195	RALGAP1	3731.816	0.274699	0.106343	2.583153	0.00979	0.023249	3285.585	3748.129	3102.266	3933.008	3989.441	4332.466
21811	LOC119611	62.15044	0.273756	0.361079	0.75816	0.448355	0.546491	62.33993	38.31883	68.87741	66.96381	62.03421	74.36848
13183	SPIR1	4495.058	0.273738	0.125968	2.173083	0.029774	0.060043	3788.642	4869.775	3551.709	4926.304	4763.799	5070.121
12596	UBE2G1	2565.58	0.273641	0.119768	2.284768	0.022326	0.047122	2134.736	2701.477	2133.808	2796.855	2725.227	2901.376
20876	LOC103221	83.98591	0.273588	0.305908	0.89435	0.371135	0.47263	94.32303	60.76271	72.35606	91.51721	100.5382	84.41828
25472	LOC119621	2.542599	0.273581	1.616623	0.16923	0.865616	0.903439	3.794605	1.642235	1.391463	0	6.417332	2.009959
17535	SALL1	561.1561	0.273539	0.19388	1.410868	0.158284	0.239975	440.7162	674.9588	409.09	593.7458	603.2292	645.1968
22786	SLC17A7	32.97823	0.273451	0.459694	0.594853	0.551941	0.643936	24.93597	39.41365	25.74206	33.4819	32.08666	42.20914
12184	SNRK	1686.833	0.273382	0.115364	2.369721	0.017802	0.038842	1436.529	1690.955	1458.253	1841.505	1721.984	1971.77
18697	LOC103231	280.5388	0.273136	0.222214	1.229156	0.219013	0.311412	312.7838	185.5726	265.7694	283.4801	290.9191	344.708
23818	GPR135	18.9956	0.273132	0.628725	0.434422	0.663982	0.741119	11.38381	24.63353	16.00182	11.16063	25.66933	25.12449
25482	SLC25A31	2.864296	0.273129	1.629749	0.16759	0.866906	0.904395	5.96295	1.094824	0.695731	0	6.417332	3.014938
11163	DHX32	1987.266	0.272718	0.105341	2.588898	0.009628	0.022931	1855.02	1829.45	1718.456	2247.752	1976.538	2296.378
23069	LOC103231	30.02329	0.272676	0.495025	0.550833	0.581748	0.670414	24.39389	23.53871	32.69937	33.4819	44.92132	21.10457
13909	LOC103211	2933.837	0.272657	0.134354	2.029401	0.042418	0.081075	2410.116	3229.182	2334.179	3053.55	3219.362	3356.631
15555	ZEB2	2103.333	0.272276	0.156925	1.735076	0.082727	0.141389	1620.838	2456.784	1637.056	2359.358	2320.935	2225.025
18059	LOC103211	273.4234	0.272182	0.204294	1.332307	0.182759	0.269043	218.4608	310.3825	214.981	294.6408	284.5017	317.5735
23731	LOC119621	22.12697	0.272158	0.606857	0.448471	0.653813	0.732444	12.46799	15.32753	32.00364	33.4819	21.39111	18.08963
15883	SH2D4A	633.1364	0.272099	0.161221	1.687735	0.091462	0.153089	499.8036	699.5923	521.1028	718.7449	663.1243	696.4508
15765	ANAPC15	363.1371	0.272011	0.159297	1.707575	0.087715	0.147932	319.2889	328.4471	338.8212	357.1403	449.2132	385.9121
24925	LOC119621	6.201537	0.271852	1.046111	0.259869	0.794965	0.84791	3.794605	2.737059	10.43597	8.928508	4.278221	7.034856
11278	LOC103231	3012.512	0.271796	0.106069	2.562447	0.1010394	0.024501	2554.853	3023.355	2608.297	3484.35	3187.275	3216.939
9770	TFRC	16908.4	0.271712	0.093336	2.911123	0.003601	0.0098	15342.13	15945.01	14682.71	17769.96	17506.48	20204.11
14488	BHLHB9	449.8329	0.271534	0.14087	1.927545	0.053912	0.098928	390.3022	423.1493	410.4815	502.2286	466.3261	506.5097
25386	LOC103231	3.908403	0.271243	1.478817	0.183419	0.85447	0.894827	0	7.116354	3.478657	6.696381	2.139111	4.019918
22663	SOC51	35.65846	0.271143	0.442288	0.613046	0.539846	0.633279	37.94605	22.9913	36.17803	42.41041	34.22577	40.19918
14643	SLK	5598.733	0.270764	0.142655	1.89803	0.057692	0.104743	4410.415	6410.74	4403.98	6078.082	5963.841	6325.341
23959	LOC103241	16.13568	0.270701	0.655094	0.413225	0.679442	0.753911	10.84173	13.13788	19.48048	15.62489	25.66933	12.05975
20624	LOC119621	79.86609	0.27046	0.289952	0.932775	0.350936	0.452368	66.67662	80.46954	70.26887	80.35657	91.98176	89.44317
14313	ARHGAP6	758.0699	0.270415	0.138057	1.958724	0.050145	0.093132	612.0155	783.8937	667.2064	808.03	815.0012	862.2724
17997	EID3	410.8983	0.270253	0.201139	1.343617	0.179072	0.264538	474.8677	279.7274	362.476	435.2648	474.8826	438.171
25660	LOC119621	1.61006	0.270234	1.91692	1.040973	0.887891	0.919898	2.168345	1.642235	0.695731	0	2.139111	3.014938
12257	GSE1	2157.723	0.270064	0.114715	2.354213	0.018562	0.04026	1840.383	2117.936	1916.74	2281.234	2169.058	2620.986
13861	TRAF2	952.2577	0.269986	0.132518	2.037348	0.041615	0.079817	978.4659	760.9024	852.2709	1046.868	994.6865	1080.353
11550	MAPRE1	3501.611	0.269985	0.107812	2.504215	0.012272	0.028248	3031.347	3559.272	2936.682	3674.081	3788.365	4019.918
14931	SYF2	2046.722	0.269954	0.146039	1.848502	0.06453	0.114897	1614.333	2318.289	1634.969	2261.145	2156.224	2295.373
11421	SETD3	3362.929	0.269953	0.106626	2.531764	0.011349	0.026417	2903.415	3352.35	2893.547	3832.562	3379.795	3815.907
17777	SENPD	197.4841	0.269884	0.196003	1.376938	0.168532	0.252436	171.8414	168.6028	197.5877	207.5878	218.1893	221.0955
15484	NT5E	660.531	0.269772	0.154359	1.747693	0.080517	0.138243	523.6554	706.1612	568.4125	656.2453	752.967	755.7446
14327	LOC103231	874.9926	0.269684	0.137834	1.956584	0.050396	0.093515	808.2508	719.2991	855.0539	1037.939	821.4185	1007.994
8557	PSMC6	5114.078	0.269654	0.083241	3.239456	0.001198	0.003721	4555.152	4724.711	4629.397	5636.121	5724.26	5414.829
13680	SPACA9	727.2247	0.269471	0.130019	2.072558	0.038213	0.074262	659.7191	627.8814	695.0356	792.4051	723.0194	865.2873
13600	LOC103221	2050.703	0.269175	0.128839	2.089233	0.036687	0.071714	2103.837	1617.054	1863.864	2073.646	2160.502	2485.314
21534	STX11	59.21055	0.269159	0.336618	0.799599	0.423943	0.523383	49.87195	58.57306	53.57132	53.57105	66.31243	73.3635
12123	MAP3K9	2117.552	0.269076	0.113029	2.380583	0.017285	0.037906	2031.74	1960.282	1775.506	2200.877	2171.197	2565.713
16306	ACAD8	724.7309	0.269033	0.167528	1.605901	0.108296	0.176563	724.2274	605.4375	648.4216	743.2983	648.1505	978.85
22642	LOC119621	2808.742	0.268879	0.435691	0.617133	0.537147	0.630688	2871.431	1326.926	3445.957	3087.032	2376.552	3744.554
24359	ARMC12	13.23084	0.268769	0.761462	0.352964	0.724115	0.790283	13.55216	6.568942	15.30609	13.39276	23.53022	7.034856
8014	S100A10	8823.871	0.268741	0.078855	3.408059	0.000654	0.00217	7884.646	8122.496	8008.564	9629.396	9446.313	9851.814
9100	SENP5	4847.767	0.268447	0.087065	3.083273	0.002047	0.005981	4608.276	4289.519	4298.924	5278.98	5148.839	5462.063
11014	DHX36	3764.873	0.268218	0.102119	2.626528	0.008626	0.020821	3282.875	3724.043	3244.891	3870.508	4094.258	4372.666
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11454	NR1D2	2763.936	0.267647	0.105966	2.525777	0.011544	0.026795	2385.722	2777.568	2362.008	2870.515	3131.658	3056.143
14309	PTGR2	2366.529	0.267559	0.13657	1.959131	0.050097	0.093077	1948.258	2621.555	1871.517	2607.124	2633.245	2517.474
11652	WSB2	2001.313	0.267525	0.107847	2.480612	0.013116	0.029924	1849.057	1850.252	1754.635	2200.877	1972.26	2380.796
9682	FKBP15	7202.545	0.267271	0.091039	2.935784	0.003327	0.009135	6390.114	6976.764	6249.059	7618.249	7705.077	8276.006
11122	GLCE	2832.696	0.267221	0.102872	2.597609	0.009388	0.022439	2436.136	2836.688	2442.017	3058.014	3037.537	3185.785
22542	LOC119615	43.64985	0.26715	0.421236	0.634205	0.525947	0.620278	51.49821	27.37059	40.35242	37.94616	53.47777	51.25395
12069	BHLHE40	24825.36	0.267132	0.111596	2.393739	0.016678	0.036735	20510.38	26044.76	21048.66	26606.95	25902.49	28838.89
24561	LOC119621	9.109605	0.266873	0.828356	0.322172	0.747323	0.808884	7.589209	5.474118	11.82743	11.16063	8.556443	10.04979
13804	ECD	1460.591	0.266603	0.130274	2.046474	0.04071	0.078403	1213.189	1557.387	1207.094	1647.31	1531.603	1606.962
14359	MTHFR	707.8495	0.266465	0.136621	1.950397	0.051129	0.094663	687.9076	612.5538	632.4198	718.7449	725.1585	870.3122
16361	SWT1	385.7079	0.26601	0.166798	1.594808	0.110755	0.179966	315.4943	397.421	338.8212	374.9973	451.3524	436.1611
12408	NHS	2927.031	0.265643	0.114556	2.318888	0.020401	0.043707	2519.075	3021.713	2435.756	2988.818	3281.396	3315.427
25325	LOC119615	3.271538	0.265277	1.354743	0.195814	0.844756	0.886789	2.168345	2.189647	4.87012	2.232127	2.139111	6.029877
8111	TMED10	13685.28	0.265244	0.078567	3.376001	0.000735	0.002411	12339.51	12616.75	12340.19	14714.18	14629.38	15471.66
10516	PSMA3	5475.523	0.264985	0.09669	2.74056	0.006133	0.015504	5047.366	4555.561	5316.779	6024.511	6190.586	5718.333
12103	ULK3	2477.509	0.264648	0.110926	2.3858	0.017042	0.037434	2291.941	2202.238	2265.997	2633.91	2427.891	3043.078
14500	NOTCH1	1100.88	0.26457	0.137422	1.925238	0.0542	0.099372	1012.617	875.3115	1118.04	1154.01	1101.642	1343.658
10862	STAT3	7652.127	0.264444	0.099518	2.657252	0.007878	0.019282	6795.595	7447.538	6621.275	8169.585	7775.667	9103.104
20767	LOC103231	103.2813	0.264443	0.291008	0.908715	0.363501	0.465315	112.2119	82.65918	87.66215	127.2312	81.28621	128.6374
10662	MTFR1L	2253.499	0.263892	0.097721	2.700482	0.006924	0.017264	2082.696	2024.876	2041.972	2377.215	2355.161	2639.076
13616	TMEM63A	1406.96	0.26379	0.126444	2.086213	0.036959	0.072162	1375.815	1171.461	1294.756	1482.132	1384.005	1733.59
23965	LOC119615	16.56994	0.263744	0.639748	0.412262	0.680147	0.754505	15.17842	12.59047	16.69755	26.78552	17.11289	11.05477
11298	TTC1	2119.864	0.263661	0.10302	2.559334	0.010487	0.024677	1868.03	2082.355	1831.861	2319.18	2211.84	2405.921
9699	CUNH3orf1	4512.794	0.263625	0.089983	2.929726	0.003393	0.009299	4031.496	4353.019	3917.663	5064.696	4890.007	4819.882
18123	CUNH3orf1	239.4116	0.263538	0.200125	1.316869	0.187882	0.275609	240.6863	178.4563	235.1572	258.9267	243.8586	279.3843
12086	ZNF316	1251.769	0.263386	0.110201	2.390049	0.016846	0.037057	1141.092	1090.444	1185.526	1383.919	1268.493	1441.141
25069	LOC103211	5.833164	0.263126	1.119651	0.235007	0.814203	0.863441	8.673382	2.189647	5.565851	2.232127	4.278221	12.05975
8421	TMED7	8834.552	0.26312	0.080324	3.275739	0.001054	0.003327	7877.599	8345.293	7869.418	9665.11	9679.476	9570.419
15692	UTP3	1088.831	0.263119	0.15305	1.719174	0.085583	0.144992	863.5436	1206.496	902.3636	1129.456	1116.616	1314.513
13649	DLC1	1824.255	0.263068	0.126543	2.078888	0.037628	0.07329	1563.919	1890.213	1523.652	2053.557	1777.601	2136.586
16038	ALKBH6	373.7555	0.262843	0.158497	1.65835	0.097247	0.161199	351.8141	330.0893	338.8212	439.729	352.9533	429.1262
19538	ENDOG	174.6868	0.262805	0.240316	1.093582	0.274138	0.373015	174.0097	131.9262	171.8456	142.8561	222.4675	205.0158
10865	TCF25	3172.76	0.262765	0.09892	2.656341	0.007899	0.019329	3037.852	2779.757	2842.063	3350.423	3289.952	3736.514
12291	LOC103241	1336.809	0.262588	0.111923	2.346155	0.018968	0.041028	863.5436	1130.953	1272.493	1421.865	1565.829	1388.882
14442	TCIRG1	3062.091	0.262458	0.135581	1.935809	0.052891	0.097362	2992.317	2323.763	3042.433	3310.244	2939.138	3764.653
13196	UBE2B	2175.622	0.262343	0.120899	2.169936	0.030012	0.060462	2055.592	1684.934	2193.641	2448.643	2376.552	2294.368
13391	LAMTOR5	1907.114	0.262215	0.12315	2.129229	0.033235	0.065982	1684.804	1552.46	1963.354	2270.073	2019.32	1952.675
16372	NEIL1	621.6471	0.262107	0.16444	1.593934	0.110951	0.180163	632.0727	458.1837	608.0692	703.12	596.8119	731.6251
11944	FKBP1A	8576.67	0.262012	0.108486	2.415156	0.015728	0.035009	7392.432	8801.835	7209.864	9116.007	8855.918	10083.96
17062	LOC119621	381.2008	0.261773	0.176214	1.485534	0.137402	0.214084	401.1439	303.8136	333.9511	379.4616	474.8826	393.952
17071	TRAPPC6A	653.9456	0.261738	0.176275	1.484828	0.137589	0.214288	697.1231	442.3087	645.6387	723.2091	688.7936	726.6002
17531	DNLZ	331.9909	0.261682	0.1854	1.411448	0.158113	0.239771	329.0464	256.1887	324.2108	339.2833	325.1448	418.0715
10939	CCDC8	2165.089	0.261641	0.099063	2.641155	0.008262	0.02008	1955.306	2012.833	1945.265	2294.627	2243.927	2538.578
9930	STAG1	5411.671	0.261626	0.090891	2.878456	0.003996	0.010699	4841.373	5198.223	4731.669	5787.905	5690.034	6220.823
12597	ARHGAP5	4605.556	0.261577	0.114518	2.28416	0.022362	0.047194	3853.15	4867.038	3848.09	4912.911	5007.658	5144.49
23881	LOC119621	17.73523	0.261576	0.614134	0.425926	0.670162	0.746043	15.7205	16.96977	15.30609	13.39276	29.94755	15.07469
16752	ATN1	1585.583	0.261484	0.170624	1.532513	0.125396	0.198988	1140.008	1884.191	1304.496	1622.756	1687.758	1874.287
20981	LOC119621	113.9602	0.261244	0.296413	0.881351	0.378128	0.479125	107.8752	106.1979	93.92374	133.9276	160.4333	81.40334
24093	TRNAR-CC1	15.56895	0.261181	0.66694	0.39161	0.695346	0.767313	14.63633	8.211177	19.48048	15.62489	21.39111	14.06971
23200	LOC103241	27.78678	0.261001	0.492779	0.529652	0.596353	0.683306	29.81475	23.53871	22.2634	22.32127	40.6431	28.13943
12997	CUNH7orf1	2747.508	0.260994	0.118418	2.204	0.027524	0.0563	2636.708	2136.001	2729.354	3004.443	2845.017	3133.526
12711	PISD	2048.961	0.260836	0.115599	2.256396	0.024046	0.050292	1967.774	1708.472	1923.002	2118.289	2089.911	2486.319
22305	PRDM8	66.34999	0.260692	0.386735	0.674084	0.500258	0.59625	47.7036	84.30142	48.00546	60.26743	100.5382	57.28383
9857	FAM32A	2909.185	0.260449	0.090071	2.8916	0.003833	0.010337	2600.388	2739.796	2602.731	3236.584	3054.65	3220.959
12745	NMRAL1	839.0859	0.260413	0.115735	2.250091	0.024443	0.050986	786.0252	728.6051	777.8277	906.2436	894.1483	941.6658
11223	RLF	2702.404	0.260276	0.101051	2.575696	0.010004	0.023697	2372.17	2675.202	2332.787	2832.569	2945.555	3056.143
12197	LOC103221	6536.585	0.259939	0.109827	2.366808	0.017942	0.039108	5606.799	6839.363	5402.354	7095.932	6979.918	7295.146
15234	RAB11B	618.0878	0.259911	0.145231	1.789641	0.073512	0.128286	514.44	648.1356	524.5815	700.8879	648.1505	672.3313
14850	RP56KB2	1874.67	0.259908	0.139576	1.862128	0.062585	0.112035	1888.629	1359.771	1872.213	2082.574	1927.339	2117.492
20596	ISG15	153.8584	0.259823	0.276958	0.93813	0.348178	0.449423	166.4205	99.62895	155.1481	191.9629	124.0684	185.9212
17096	PRDX5	5290.225	0.259772	0.175259	1.482223	0.138281	0.215033	5793.277	3298.704	5357.132	5549.068	5242.96	6500.207
22886	GNB3	40.75926	0.259534	0.445953	0.581977	0.560582	0.651187	36.31979	36.12918	37.56949	37.94616	68.45154	28.13943
10806	ESD	2080.936	0.259442	0.09719	2.669418	0.007598	0.018693	1831.71	1964.114	1885.432	2200.877	2391.526	2211.96
12698	DNMT3B	1214.784	0.259375	0.114801	2.259337	0.023862	0.049959	1125.371	1186.789	1006.723	1283.473	1315.553	1370.792
15174	ZFP1	466.5485	0.259372	0.143997	1.801239	0.071665	0.125557	400.0597	436.8346	440.398	488.8358	483.439	549.7238
22126	LOC103221	49.11314	0.259314	0.36813	0.704409	0.481178	0.578149	49.32986	42.69812	41.74388	64.73168	44.92132	51.25395
12706	MACF1	47856.23	0.259213	0.114847	2.257035	0.024006	0.050228	40481.38	50059.17	40170.14	50175.98	48724.66	57526.03
20989	CUNH11orf1	115.6486	0.259182	0.294317	0.880623	0.378522	0.479442	115.4644	79.37471	121.753	151.7846	89.84265	135.6722
25374	ABHD1	3.232987	0.259068	1.39387	0.185862	0.852553	0.893207	1.084173	5.474118	2.087194	4.464254	4.278221	2.009959
12784	DIAPH1												



13003	ALG11	2314.923	0.258862	0.117497	2.203131	0.027586	0.056399	2104.379	2370.841	1849.95	2459.804	2451.421	2653.146
13006	ARHGEF5	3119.725	0.258855	0.117506	2.202899	0.027602	0.05642	2630.203	3279.544	2614.558	3290.155	3307.065	3596.822
15429	KIF27	1566.037	0.258853	0.147441	1.755643	0.079149	0.136379	1266.856	1767.045	1243.272	1629.453	1786.157	1703.44
13162	ZNF217	4652.917	0.258722	0.118771	2.178319	0.029382	0.059347	3978.372	4949.698	3784.083	5031.214	4855.781	5318.351
13262	CLPTM1	4397.238	0.2584	0.119887	2.155369	0.031133	0.062409	3676.972	4611.945	3728.424	4767.823	4389.455	5208.809
10171	CNOT10	3846.765	0.258345	0.09157	2.821278	0.004783	0.012503	3446.043	3722.4	3342.989	4071.4	4205.492	4292.267
18269	MHC-DMA	200.7351	0.258091	0.200127	1.289637	0.197177	0.2869	185.3935	165.3184	199.6749	198.6593	218.1893	237.1752
12742	COG3	1321.842	0.257974	0.114646	2.250183	0.024437	0.050982	1220.236	1302.293	1089.515	1383.919	1473.847	1461.24
23024	CLEC19A	40.93159	0.257834	0.461596	0.55857	0.576455	0.665612	39.5723	29.01283	41.74388	49.10679	62.03421	24.11951
15984	KCTD6	370.0634	0.257818	0.154553	1.668154	0.095285	0.158461	352.8982	335.5634	320.0364	419.6399	421.4048	370.8374
13181	NXF1	1580.883	0.257794	0.118592	2.173793	0.029721	0.059944	1328.654	1565.598	1431.119	1651.774	1610.75	1897.401
11190	RELCH	3205.666	0.257759	0.099742	2.584265	0.009759	0.023184	3055.199	2867.89	2843.454	3285.691	3381.934	3799.827
10797	STAMBP1	2367.713	0.257525	0.096398	2.671464	0.007552	0.018596	2156.962	2271.212	2042.667	2640.606	2489.925	2604.907
18748	AMN	237.3432	0.257375	0.210147	1.224734	0.220675	0.312922	246.6493	169.6977	233.7657	236.6055	260.9715	276.3694
11698	TM9SF2	6219.942	0.25707	0.104003	2.471769	0.013445	0.030544	5493.503	6227.904	5285.471	6439.686	6530.705	7342.38
10924	BPGM	5446.587	0.25691	0.097077	2.646453	0.008134	0.019795	5249.022	4544.065	5097.624	6107.099	5606.609	6075.101
18695	ZNF132	204.2508	0.256825	0.208914	1.229334	0.218947	0.31135	201.6561	182.2881	176.02	176.338	245.9977	243.205
16307	LOC119615	424.359	0.256782	0.160016	1.604734	0.108552	0.176971	439.09	344.8694	377.7821	430.8005	464.187	489.425
18211	TNNI2	197.9938	0.256682	0.197531	1.299452	0.193789	0.282899	188.104	160.3917	193.4133	212.0521	213.9111	220.0905
22785	MROH7	41.23939	0.25643	0.430838	0.59519	0.551717	0.64373	39.03022	30.65506	41.74388	49.10679	57.75599	29.1444
16241	DPYSL4	946.8496	0.256315	0.158362	1.618539	0.105546	0.17277	958.4087	684.8122	949.6733	968.7431	964.7389	1154.721
10107	PPP5C	3331.885	0.256304	0.090343	2.837012	0.004554	0.011978	2992.859	3139.407	2981.905	3484.35	3597.984	3794.802
22368	TENM1	55.42883	0.256259	0.385728	0.664352	0.506465	0.601948	39.5723	54.74118	56.35424	49.10679	85.56443	47.23404
23163	MBNL3	41.00101	0.25623	0.478707	0.535253	0.592475	0.680004	33.06727	41.05589	36.17803	53.57105	62.03421	20.09959
14293	NFATC3	1625.379	0.256198	0.130548	1.962486	0.049706	0.092453	1340.038	1750.623	1354.589	1770.077	1704.871	1832.078
19706	PEX11G	163.8321	0.256053	0.23953	1.068982	0.285078	0.384593	168.5889	113.3142	166.9755	169.6417	177.5462	186.9262
13672	LOC103234	3748.162	0.255949	0.123402	2.074109	0.038069	0.074025	3224.33	4000.486	3027.127	4069.167	3818.313	4349.551
21348	TULP2	73.43718	0.255938	0.310428	0.824471	0.409672	0.510171	73.18166	55.83601	70.9646	82.5887	87.70354	70.34856
11138	ZFYVE16	4511.747	0.255782	0.098583	2.594584	0.009471	0.022605	4144.792	4419.256	3777.126	4694.163	4900.703	5134.44
16653	APBA3	499.018	0.255764	0.165248	1.54776	0.12168	0.194251	520.945	382.6409	464.0528	506.6928	519.8039	599.9727
10715	CPD	19069.1	0.255751	0.095129	2.68847	0.007178	0.017809	17100.11	18735.17	16319.77	20267.71	19720.46	22271.35
13451	FGFRL1	828.1016	0.255628	0.120752	2.116973	0.034262	0.067717	712.8436	778.967	776.4362	881.6902	859.9225	958.7504
16628	BMT2	353.0716	0.255353	0.164415	1.553104	0.120398	0.192494	340.4302	280.8223	344.387	372.7652	402.1528	377.8723
25038	CDC92B	5.546286	0.255343	1.066868	0.239339	0.810843	0.860968	4.878777	4.379295	5.565851	11.16063	4.278627	3.014938
11516	PGD	20182.45	0.255208	0.101652	2.510612	0.012052	0.027823	17779.89	20431.6	16998.11	21872.61	20646.7	23365.77
16671	LOC103231	304.3441	0.255148	0.165	1.546353	0.122019	0.194691	265.0802	279.7274	290.12	312.4978	320.8666	357.7727
9236	DEGS1	5650.898	0.2551	0.083752	3.045877	0.00232	0.006678	5202.403	5048.232	5211.724	6042.368	5995.927	6404.734
12023	MTFR1	1209.403	0.255088	0.106173	2.402558	0.016281	0.036	1082.004	1139.164	1088.124	1247.759	1364.753	1334.613
13866	KRT7	1289.555	0.254716	0.125072	2.036552	0.041695	0.079941	1190.964	1023.66	1314.932	1430.793	1351.918	1425.061
24382	CUNH17or	12.08262	0.254554	0.728694	0.349329	0.726843	0.792515	11.38381	7.116354	14.61036	15.62489	10.69555	13.06473
10926	SRP14	8942.691	0.254528	0.096183	2.646283	0.008138	0.019802	7601.677	9007.114	7856.894	9939.661	9694.45	9556.35
25017	LOC119621	5.512606	0.254476	1.047607	0.242912	0.808074	0.858722	3.794605	7.663765	3.478657	6.696381	6.417332	5.024897
18106	LHX2	195.8843	0.254424	0.192776	1.319793	0.186904	0.274431	179.4306	181.7407	176.02	212.0521	198.9373	227.1254
19327	LOC103221	146.5867	0.254399	0.224908	1.131126	0.258002	0.354891	139.3162	121.5254	141.2335	140.624	168.9897	167.8316
23998	PRSS47	17.90188	0.254317	0.625508	0.406577	0.684318	0.758073	16.80468	12.59047	18.78475	26.78552	21.39111	11.05477
21126	SLC25A34	97.92283	0.254227	0.295206	0.861184	0.389137	0.489691	101.3702	76.09024	91.14081	75.89232	130.4858	112.5577
24634	LOC103226	10.36821	0.253946	0.819756	0.309783	0.756726	0.816658	4.878777	10.94824	12.52316	6.696381	17.11289	10.04979
14783	STAM	2019.729	0.25391	0.135318	1.876386	0.060602	0.108984	1706.488	2208.259	1614.793	2098.199	2136.972	2353.662
21842	LOC103221	68.79312	0.253837	0.336632	0.754047	0.450821	0.548676	62.88202	53.09895	72.35606	55.80317	96.25998	72.35852
17999	CDC157	294.2675	0.253822	0.189028	1.342776	0.179345	0.264897	269.959	243.0508	296.3816	272.3195	308.0319	375.8623
23351	HAS2	29.11897	0.253809	0.501757	0.505841	0.612969	0.697862	29.27266	27.918	21.56767	26.78552	47.06043	22.10955
15490	ZNF667	418.1797	0.253792	0.145333	1.746287	0.080761	0.138599	389.7601	391.9469	363.1718	473.2109	425.683	465.3055
25686	TRNAG-GC	1.953485	0.253666	1.855614	0.136702	0.891266	0.922392	3.252518	0	2.087194	2.232127	2.139111	2.009959
16309	CHCHD7	391.1129	0.253588	0.158077	1.604201	0.10867	0.17713	361.0295	390.852	320.0364	412.9435	408.5701	453.2457
11617	FIS1	4824.576	0.253456	0.10177	2.490474	0.012757	0.029195	4586.593	3951.766	4664.183	5334.783	5435.48	4974.648
17713	LAMTOR4	1684.484	0.253444	0.183327	1.382467	0.166828	0.2504	1736.303	1026.945	1847.167	1883.915	1585.887	1753.689
23810	ATOH7	20.17159	0.253407	0.582075	0.435352	0.663307	0.740634	26.02015	14.23271	15.30609	20.08914	19.252	26.12947
22630	KIAA1755	39.01532	0.25328	0.40914	0.619054	0.535881	0.629561	41.74065	29.56024	35.4823	40.17829	44.92132	42.20914
12989	BLZF1	1121.313	0.253233	0.114816	2.205553	0.027415	0.056112	975.2134	1102.487	988.6343	1229.902	1274.91	1156.731
22094	CFAP65	58.50508	0.253214	0.356354	0.710569	0.477352	0.574358	45.53526	49.81448	64.00729	60.26743	79.14709	52.25893
23306	TRNAQ-CU	26.11228	0.253194	0.493729	0.51282	0.608077	0.69363	25.47806	21.34906	25.04633	31.24978	21.39111	32.15934
15112	ARPC1B	8659.062	0.253169	0.13977	1.811328	0.07009	0.123302	9172.101	6150.172	8384.259	9499.932	8689.068	10058.84
12266	CDCA2	1353.199	0.253137	0.10765	2.351483	0.018699	0.040527	1294.502	1207.043	1205.702	1488.829	1375.448	1547.668
16313	LOC103241	389.8297	0.252845	0.157691	1.603425	0.108841	0.177376	374.0396	313.667	379.1736	444.1933	412.8484	415.0565
22063	LOC119621	59.86325	0.2528	0.353798	0.714533	0.474898	0.572232	44.45108	53.09895	65.39875	66.96381	77.00798	52.25893
12325	MDM2	4653.644	0.252746	0.107984	2.340592	0.019253	0.041529	4077.032	4822.151	3841.829	4982.107	5080.388	5118.36
24187	LOC119621	16.83907	0.252658	0.671487	0.376266	0.706719	0.776786	12.46799	12.04306	21.56767	8.928508	29.94755	16.07967
11429	P3H2	2361.162	0.252604	0.099843	2.530004	0.011406	0.026532	2180.813	2219.755	2069.105	2395.072	2562.655	2739.574
23372	KIF4B	25.00815	0.252583	0.502423	0.502729	0.615155	0.699721	21.68345	24.08612	22.95914	20.08914	32.08666	29.1444
22011	CYP2J2	61.46675	0.252527										



16820	ZFP36L1	4281.495	0.251928	0.165544	1.521815	0.128055	0.202399	3011.832	5185.632	3528.75	4528.986	4661.122	4772.647
25088	LOC10324	6.179515	0.251767	1.084105	0.232235	0.816355	0.864998	8.673382	1.642235	6.261582	8.928508	8.556443	3.014938
14961	ZNF189	828.3815	0.25175	0.13668	1.841885	0.065492	0.116376	709.5911	858.3417	702.6887	819.1906	934.7914	945.6857
24563	LOC10321	10.10908	0.251642	0.781205	0.32212	0.747362	0.808884	8.131296	10.94824	8.348776	15.62489	8.556443	9.044815
11039	LOC10323	5638.635	0.251578	0.09603	2.619791	0.008798	0.021189	5230.591	5463.717	4753.932	5852.637	6072.935	6457.998
16373	ZNF10	336.1933	0.251423	0.15777	1.593599	0.111026	0.180274	306.8209	324.6152	290.8157	354.9082	355.0924	384.9071
20419	NOTCH4	163.5733	0.251235	0.262122	0.958469	0.337826	0.439828	143.1108	110.5772	193.4133	200.8914	179.6853	153.7619
23385	PTPN6	25.11618	0.251154	0.501046	0.501259	0.616189	0.700508	18.97302	22.9913	27.13352	26.78552	25.66933	29.1444
20977	LOC11962	169.7912	0.251012	0.284621	0.881917	0.377822	0.478829	114.9223	226.0811	123.8402	176.338	194.6591	182.9063
12085	TMEM184	3798.468	0.251002	0.10502	2.390038	0.016847	0.037057	3437.912	3395.595	3580.929	4046.846	3732.748	4596.776
13933	FSD1L	1133.942	0.250769	0.123808	2.025468	0.042819	0.081698	1026.169	1127.668	957.3264	1174.099	1163.676	1354.712
9729	NMD3	5643.728	0.25075	0.085837	2.921236	0.003486	0.009527	5240.349	4918.495	5302.865	6078.082	6333.907	5988.673
13795	ORMDL3	1312.443	0.250692	0.122432	2.047607	0.040599	0.078239	1275.529	1101.94	1224.487	1343.74	1339.083	1589.878
15834	AKAP7	393.2271	0.250629	0.14802	1.693206	0.090416	0.151807	363.74	367.3133	344.387	428.5684	451.3524	404.0017
15632	BRCC3	2069.269	0.250545	0.145031	1.727531	0.084072	0.143097	1719.498	2339.638	1612.01	2116.056	2271.736	2356.677
13700	ACVR1	1075.983	0.250522	0.121139	2.068057	0.038635	0.074971	916.6681	1089.897	943.4117	1178.563	1112.338	1215.02
14030	F11R	716.7429	0.250503	0.124776	2.00763	0.044683	0.084668	667.8504	655.7994	644.2472	732.1376	757.2452	843.1778
13985	COX5B	4016.03	0.250299	0.124326	2.013242	0.044089	0.083812	3940.968	3024.998	4040.808	4540.146	4126.344	4422.915
11827	INPP4A	1489.444	0.250243	0.102458	2.442397	0.01459	0.032796	1310.765	1414.512	1359.459	1553.56	1615.029	1683.341
23208	NR4A2	38.21399	0.250197	0.473631	0.528252	0.597324	0.684241	33.06727	37.224	32.69937	60.26743	44.92132	21.10457
18615	SATB2	287.977	0.250134	0.202549	1.234928	0.216857	0.309867	235.8076	325.71	228.1999	274.5516	337.9795	325.6133
15304	UACA	3860.163	0.249867	0.140458	1.778945	0.075249	0.130717	3146.811	4406.118	3027.127	4138.363	4173.405	4269.153
16256	NIT2	2218.278	0.249649	0.154515	1.615697	0.10616	0.173613	2331.513	1527.826	2224.253	2348.198	2258.901	2618.976
21979	LOC10322	56.04729	0.249602	0.341287	0.731353	0.464563	0.561919	53.66655	47.07742	52.17985	69.19594	59.8951	54.26889
21678	ZNF550	72.47014	0.249439	0.31976	0.780083	0.435342	0.533886	54.20864	76.09024	68.87741	87.05295	64.17332	84.41828
18029	LOC10323	451.5856	0.24936	0.186323	1.338324	0.180791	0.2666	335.5515	518.9464	384.0437	455.3539	509.1083	506.5097
24304	LOC11962	15.6657	0.24913	0.690232	0.360936	0.718147	0.785515	17.88885	10.94824	13.2189	26.78552	17.11289	8.039836
13034	LOC11962	1069.683	0.249018	0.113274	2.19838	0.027922	0.05696	987.6814	938.2638	1006.723	1243.295	1082.39	1159.746
17986	LOC11962	276.537	0.248948	0.18496	1.345956	0.178317	0.263569	245.023	231.5552	279.684	345.9797	286.6408	270.3395
18405	RHBDD3	695.3094	0.248903	0.196918	1.263991	0.206233	0.297908	763.2576	452.1622	694.3399	651.7811	737.9932	872.3222
13482	CPNE8	1236.143	0.248874	0.117904	2.110826	0.034787	0.068597	1063.031	1246.457	1079.775	1267.848	1416.091	1343.658
15378	TBC1D24	605.3096	0.248571	0.140921	1.763904	0.077748	0.134409	585.9954	509.6404	568.4125	631.6919	607.5074	728.6101
18035	PDE4A	232.6755	0.248206	0.185658	1.336901	0.181255	0.267184	211.9558	222.7966	202.4578	232.1412	284.5017	242.2001
19351	RIPK4	212.5407	0.248166	0.220299	1.126499	0.259954	0.357133	213.982	164.771	208.0237	203.1236	205.3546	280.3893
22473	PLB1	50.06509	0.248018	0.385418	0.643505	0.519897	0.615025	39.03022	49.81448	48.7012	69.19594	36.36488	57.28383
10425	UHRF1BP1	5112.168	0.248016	0.089827	2.761057	0.005761	0.014692	4622.37	4920.685	4480.51	5283.445	5670.782	5695.219
15948	RRS1	679.4572	0.247588	0.14768	1.676514	0.093638	0.156094	578.9482	684.8122	605.2863	674.1023	682.3763	851.2176
10519	RIDA	2686.229	0.247587	0.090365	2.739863	0.006146	0.015534	2464.867	2538.349	2366.878	2870.515	2907.051	2969.714
14887	MLF2	6599.207	0.247472	0.133245	1.857266	0.063273	0.112993	5314.615	7439.327	5348.783	7374.948	7001.309	7116.26
9965	MTF	5461.217	0.24746	0.08617	2.871761	0.004082	0.01089	4769.276	5248.584	4962.652	5962.011	5978.814	5845.966
11061	PSMD1	11729.13	0.247433	0.094701	2.612782	0.008981	0.021581	10296.39	11778.11	10104.8	12736.52	12297.75	13161.21
24505	LOC11962	12.67841	0.24739	0.748952	0.330315	0.741162	0.804063	16.26259	8.758589	9.044508	17.85702	17.11289	7.034856
25713	LOC11962	1.631788	0.247276	1.858447	0.133055	0.89415	0.92444	1.084173	0.547412	2.782925	2.232127	2.139111	1.004979
13502	NT5C3A	1822.44	0.246883	0.117204	2.106448	0.035165	0.069234	1601.323	1800.437	1592.529	2042.396	2141.25	1756.704
11839	LOC10323	1555.081	0.246876	0.101216	2.439095	0.014724	0.033064	1426.771	1492.245	1347.632	1671.863	1700.593	1691.38
15399	SYTL4	486.7457	0.246859	0.140284	1.759708	0.078457	0.135451	451.5579	440.1191	447.3553	491.0679	515.5257	574.8483
14415	SLC35B2	3947.636	0.246838	0.127189	1.940729	0.052291	0.096438	3953.436	3099.993	3785.474	4011.132	3961.633	4874.15
10676	PPP6R1	6857.805	0.246784	0.091463	2.698176	0.006972	0.017362	6095.219	6394.317	6333.243	7622.714	6849.432	7851.905
24985	TRNAQ-CU	6.157917	0.246726	0.994868	0.247999	0.804135	0.855631	4.878777	4.926706	6.957314	4.464254	10.69555	5.024897
12798	CFL2	1348.99	0.246723	0.110143	2.240024	0.052089	0.052118	1220.779	1152.302	1327.455	1455.347	1523.047	1415.011
19004	LOC10324	292.7395	0.246532	0.208193	1.184149	0.236354	0.330636	286.2216	204.1846	314.4706	276.7837	340.1186	334.6582
15657	GYG1	916.306	0.2464	0.142943	1.723764	0.08475	0.143903	910.7051	693.5708	912.7996	937.4933	1001.104	1042.164
17974	LOC11962	342.8052	0.246357	0.182787	1.347779	0.177729	0.262876	378.3763	268.2318	293.5986	386.158	363.6488	366.8175
17198	OSCP1	379.1806	0.246271	0.167786	1.467769	0.142167	0.219732	384.3392	327.3523	332.5596	386.158	374.3444	470.3304
12810	ZNF398	2057.397	0.246225	0.110102	2.236343	0.025329	0.052567	1826.289	2052.247	1772.724	2127.217	2151.945	2413.961
13652	PPT2	1159.465	0.24615	0.118428	2.07847	0.037666	0.073348	1150.307	1008.333	1027.595	1229.902	1182.928	1357.727
24570	LOC11962	12.6534	0.246134	0.767396	0.320739	0.748408	0.809752	12.46799	7.116354	14.61036	11.16063	23.53022	7.034856
14381	MSN	25446.11	0.246066	0.126315	1.948034	0.051411	0.095039	20892.01	28138.61	20815.59	27307.84	26107.85	29414.74
25329	LOC10322	4.537538	0.246033	1.259842	0.195288	0.845167	0.887077	1.626259	9.306001	1.391463	4.464254	6.417332	4.019918
25821	LOC11962	1.327698	0.245997	2.089086	0.117753	0.906263	0.933078	0.542086	1.094824	2.087194	2.232127	0	2.009959
11466	DDHD2	2335.516	0.245709	0.097367	2.523521	0.011619	0.026941	2134.194	2213.733	2067.714	2397.304	2519.872	2680.28
19102	TEX22	243.9087	0.245537	0.209927	1.169635	0.242148	0.336989	249.3597	171.3399	248.3761	279.0159	263.1106	252.2498
20724	AIF1L	97.175	0.245393	0.268233	0.91485	0.36027	0.462159	88.36008	91.96518	84.87923	118.3027	109.0946	90.44815
16239	LOC11962	1269.364	0.245321	0.151564	1.618594	0.105535	0.172761	1320.522	918.557	1248.838	1388.383	1253.519	1486.365
22991	CUNH1orf	39.57622	0.245122	0.43387	0.564965	0.572097	0.6615	26.02015	41.6033	40.35242	55.80317	38.50399	35.17428
25270	LOC11962	4.20519	0.245105	1.203061	0.203734	0.838561	0.882202	5.96295	3.284471	2.087194	4.464254	6.417332	3.014938
23487	NXN1L2	27.67885	0.245089	0.503813	0.486469	0.626635	0.709219	34.15144	22.44388	18.78475	33.4819	32.08666	25.12449
14759	SRP54	5655.852	0.245	0.130324	1.879928	0.060118	0.108289	4656.522	6308.374	4563.302	6366.026	6079.353	5961.538
12734	FAM234A	4949.665	0.244989	0.108813	2.251478	0.024355	0.050847	4816.437	4133.507	4648.181	5209.784	4945.624	5944.454
22501	LOC11962	61.69222	0.244796	0.382993	0.639167	0.522714	0.6176						



17802	OPA3	340.9138	0.244082	0.177293	1.376711	0.168602	0.252436	294.3529	362.934	278.9883	401.7829	331.5622	375.8623
28236	LOC119615	0.627562	0.243981	3.753982	0.064993	0.94818	NA	1.626259	0	0	0	2.139111	0
28766	LOC119621	0.627562	0.243981	3.753982	0.064993	0.94818	NA	1.626259	0	0	0	2.139111	0
16165	FAM162A	2395.828	0.243972	0.149372	1.633319	0.102402	0.168411	2311.998	1670.701	2598.557	2613.821	2650.358	2529.533
14153	BCAT2	2000.953	0.243933	0.122884	1.985071	0.047137	0.088541	1905.976	1628.55	1967.528	2169.627	1940.173	2393.861
11378	RALB	1968.013	0.243791	0.095895	2.542252	0.011014	0.025735	1747.686	1880.36	1779.681	2151.77	2072.798	2175.781
17030	HXA9	773.0967	0.243543	0.163528	1.489301	0.136408	0.212942	634.2411	871.4796	618.5052	749.9947	909.122	855.2375
20692	LOC119621	103.029	0.243517	0.263719	0.923397	0.3558	0.457172	89.44425	108.3875	85.57496	102.6778	115.512	116.5776
12138	PRKAG1	2845.918	0.243379	0.102317	2.378677	0.017375	0.038052	2472.998	2866.796	2476.804	3116.049	3153.049	2989.814
10763	SUCLG1	4112.28	0.243339	0.090899	2.677703	0.007428	0.018347	3963.736	3543.397	3789.649	4473.182	4554.167	4349.551
12263	DLST	6305.342	0.243131	0.103325	2.353061	0.01862	0.040362	5948.314	6034.12	5349.479	6685.22	6299.681	7515.236
24188	LOC119621	16.86956	0.242981	0.645971	0.376149	0.706806	0.77685	11.9259	20.80165	13.2189	13.39276	27.80844	14.06971
14945	NCK1	1876.296	0.242779	0.131482	1.846482	0.064822	0.115309	1556.872	2027.613	1568.874	2008.914	2184.032	1911.471
13421	ABR	7154.583	0.242573	0.114271	2.122787	0.033772	0.066897	6154.307	7439.874	6073.735	7718.695	7089.013	8451.877
21944	LOC103221	107.3944	0.242334	0.328783	0.737062	0.461085	0.558601	130.6428	58.02565	107.1426	113.8385	109.0946	125.6224
16114	FRMD8	1885.221	0.242292	0.147476	1.642921	0.100399	0.165639	1958.016	1380.025	1848.558	1892.844	1929.478	2302.408
23626	ENO4	25.42371	0.241991	0.520092	0.465286	0.641727	0.722101	24.39389	26.82318	19.48048	17.85702	27.80844	36.17926
13049	NFX1	2131.402	0.241989	0.110188	2.196139	0.028082	0.057212	1892.966	2166.656	1799.857	2381.679	2192.588	2354.667
24532	LOC119621	11.08384	0.24194	0.74314	0.325564	0.744754	0.80708	12.46799	9.853413	8.348776	8.928508	12.83466	14.06971
12428	ABHD12	3449.548	0.241929	0.104468	2.315816	0.020568	0.043998	3307.269	3052.916	3130.095	3602.653	3456.803	4147.55
21055	PIK3C2G	96.49502	0.241901	0.27736	0.872152	0.383125	0.483751	78.06044	100.7238	85.57496	98.21359	121.9293	94.46807
13994	MYO6	2535.895	0.241688	0.12014	2.011723	0.044249	0.084069	2161.298	2660.421	2153.289	2529	2780.844	2930.52
14112	FAM219B	1292.093	0.241036	0.121025	1.991625	0.046412	0.087441	1231.135	1112.341	1194.571	1412.936	1244.962	1536.614
12119	VPS29	2647.732	0.240811	0.101106	2.381772	0.01723	0.037796	2331.513	2542.728	2402.36	2868.283	3080.319	2661.186
13284	CAPN7	3947.439	0.240565	0.111825	2.151265	0.031455	0.062941	3454.716	4131.317	3272.72	4232.113	4147.736	4446.029
17824	TCEA2	553.9176	0.240487	0.175136	1.373142	0.169708	0.253125	595.2108	405.6322	525.9729	551.3354	569.0034	676.3512
12040	AFTPH	2636.705	0.240432	0.100222	2.398999	0.01644	0.0363	2337.476	2630.861	2284.782	2774.534	2894.217	2898.361
15259	TMLHE	908.4277	0.240418	0.134594	1.786247	0.074059	0.12903	803.9141	940.4535	756.9557	982.1359	904.8438	1062.263
25080	LOC103221	6.458242	0.240311	1.028656	0.233616	0.815283	0.864172	5.96295	8.211177	3.478657	2.232127	12.83466	6.029877
13400	XPC	2992.735	0.240174	0.112896	2.127383	0.033388	0.066241	2582.499	3124.627	2527.592	3140.603	3187.275	3393.816
25895	TRNAK-UU	1.325923	0.240168	2.287178	0.105006	0.916371	0.940822	1.626259	0	2.087194	2.232127	0	2.009959
25206	GMCL2	4.925597	0.239916	1.121012	0.214018	0.830533	0.875971	4.878777	6.02153	2.782925	6.696381	2.139111	7.034856
14539	MEF2A	4996.468	0.239866	0.125029	1.91849	0.055049	0.100659	4207.132	5480.687	4059.593	5334.783	5253.656	5642.96
17653	LOC103231	398.1756	0.239662	0.171676	1.396013	0.162711	0.245038	313.868	313.9079	348.5614	446.4254	434.2395	414.0515
17621	AMOT	940.6101	0.239516	0.170927	1.401275	0.161132	0.24309	697.6652	1081.138	811.9185	897.315	1031.051	1124.572
11467	CCDC115	2800.972	0.239333	0.094853	2.523213	0.011629	0.02696	2505.523	2721.184	2482.37	3082.567	2902.773	3111.416
25099	LOC119621	5.847071	0.239197	1.038853	0.230251	0.817897	0.866321	3.794605	8.758589	3.478657	4.464254	8.556443	6.029877
15001	LOC119621	1358.555	0.239162	0.13048	1.832936	0.066812	0.118405	1209.395	1087.707	1443.643	1499.989	1401.117	1509.479
12599	SLC30A1	4642.707	0.239155	0.104708	2.284006	0.022371	0.047205	4100.883	4727.996	3951.058	4819.162	4915.676	5341.466
10026	DYNC112	6217.352	0.239143	0.083749	2.855479	0.040297	0.011394	5756.415	5834.315	5521.324	6772.273	6496.479	6923.304
25336	LOC119621	4.239329	0.238928	1.238144	0.192972	0.846981	0.888735	4.878777	1.094824	5.565851	4.464254	6.417332	3.014938
18030	ZNF444	326.1012	0.238861	0.178569	1.337645	0.181012	0.2669	267.2486	328.4471	298.4688	372.7652	387.179	302.4988
15676	POLD4	1723.051	0.238849	0.138726	1.721733	0.085118	0.144352	1676.131	1268.901	1797.77	1933.022	1803.27	1859.212
13653	SLC35A4	1580.703	0.238831	0.114927	2.078115	0.037699	0.073402	1362.263	1565.05	1428.337	1656.238	1600.055	1872.277
14626	ADH5	3467.776	0.238753	0.125478	1.902744	0.057074	0.103741	3386.414	2609.512	3550.317	3787.919	3636.488	3836.007
24802	LOC119621	8.159055	0.238645	0.851089	0.2804	0.779171	0.835178	6.505036	7.663765	8.348776	6.696381	10.69555	9.044815
17571	KMT2E	1258.61	0.238268	0.16963	1.404637	0.160129	0.242263	1004.486	1513.046	946.8904	1374.99	1328.388	1383.857
10933	EIF4E2	3202.47	0.238197	0.090101	2.64367	0.008201	0.019942	2882.273	3090.14	2842.063	3450.868	3529.533	3419.945
12871	SMURF1	2485.82	0.237838	0.106928	2.224293	0.026129	0.053969	2255.621	2438.72	2154.68	2662.927	2483.507	2919.465
25173	ZNF433	5.198351	0.237831	1.089437	0.218306	0.82719	0.873601	2.710432	6.568942	4.87012	4.464254	8.556443	4.019918
18325	LOC103231	281.5363	0.237663	0.185812	1.279051	0.200879	0.291425	234.1813	297.2446	241.4188	314.7299	327.2839	274.3594
23624	LOC103211	26.50699	0.23742	0.510063	0.465472	0.641594	0.72201	19.51511	29.01283	23.65487	37.94616	27.80844	21.10457
13165	SECISBP2L	3929.398	0.237377	0.108995	2.177862	0.029416	0.059402	3395.629	4106.136	3319.334	4218.72	4199.074	4337.491
13090	EFL1	5460.91	0.237339	0.108417	2.189128	0.028588	0.058059	4745.424	5621.919	4675.315	5658.442	5685.756	6378.605
16350	NUMBL	636.1621	0.237159	0.148604	1.595916	0.110508	0.179685	527.9921	611.459	617.8095	647.3168	622.4812	789.9139
25283	LOC119621	6.318704	0.237057	1.174361	0.20186	0.840026	0.883285	4.878777	4.379295	7.653045	17.5702	2.139111	1.004979
23416	LOC103231	41.35022	0.23704	0.477156	0.496777	0.619347	0.703166	41.74065	27.37059	43.13534	60.26743	53.47777	22.10955
24211	LOC119621	23.86017	0.237025	0.63723	0.371961	0.709922	0.779533	27.10432	7.663765	30.61218	22.32127	36.36488	19.09461
15680	ZNF329	482.3966	0.236833	0.137626	1.72084	0.08528	0.14459	452.1	428.6235	445.9638	553.5675	517.6648	496.4599
16948	LMF1	463.0162	0.236763	0.157875	1.499681	0.133697	0.20972	460.2313	375.5245	443.1809	466.5145	474.8826	557.7636
14122	CUNH6orf1	1575.164	0.236759	0.11889	1.989902	0.046602	0.087729	1554.704	1376.741	1411.639	1736.595	1508.073	1863.232
14457	OBSL1	1930.45	0.236499	0.122352	1.932946	0.053243	0.097908	1827.915	1614.317	1882.649	1982.129	1905.948	2369.742
23123	ZCWPW2	42.38976	0.236443	0.437724	0.540164	0.589084	0.677277	41.19856	41.05589	33.39511	71.42806	32.08666	35.17428
20799	LOC119621	130.5147	0.236404	0.261365	0.904498	0.365732	0.467473	129.5586	124.8099	102.2725	158.481	160.4333	107.5328
24946	OTOP2	7.844898	0.236272	0.923265	0.255909	0.798021	0.850453	4.336691	7.116354	9.740239	11.16063	10.69555	4.019918
14387	RPUSD4	1046.103	0.235843	0.121162	1.946505	0.051594	0.095338	1016.412	944.2854	926.0185	1124.992	1026.773	1238.135
17629	REEP6	287.8445	0.235495	0.168047	1.401361	0.161106	0.24309	252.0702	258.9258	281.7712	299.105	333.7013	301.4938
15588	USP30	851.043	0.235464	0.135996	1.731407	0.083379	0.142201	701.4598	892.8287	752.0856	941.9576	864.2007	953.7255
15373	KIF16B	1963.318	0.235303	0.133313	1.765038	0.077557	0.134122	1659.868	2149.686	1602.269	2167.395	1978.677	2222.01
24158	CHRM2	16.96463	0.235171	0.616881	0.381225	0.703036	0.773634	15.17842	14.23271	16.69755	20.08914	23.53	



20916	LOC103240	107.8407	0.234318	0.263455	0.889404	0.373786	0.475096	89.98634	110.0298	96.01093	111.6063	136.9031	102.5079
20643	UCP2	113.0433	0.234309	0.252239	0.928916	0.352932	0.454468	102.4543	112.2194	98.09812	124.9991	104.8164	135.6722
25770	LOC119624	1.63478	0.2343	1.886433	0.124203	0.901155	0.929655	2.168345	1.094824	1.391463	0	2.139111	3.014938
13656	MGAT5	6210.197	0.234285	0.11282	2.076637	0.037835	0.073656	5478.325	6345.598	5302.169	6736.559	6028.014	7370.519
12940	CYP4V2	1658.606	0.234278	0.105758	2.215217	0.026745	0.054943	1510.253	1631.287	1430.424	1720.97	1873.861	1784.844
16002	ZNF226	628.5343	0.23412	0.140621	1.664902	0.095932	0.159378	567.0223	641.5666	523.8857	725.4413	628.8985	684.391
22793	LOC103216	47.1652	0.233677	0.393557	0.593756	0.552675	0.644622	55.8349	34.48694	55.3242	49.10679	44.92132	58.28881
20607	LOC119626	122.3478	0.233598	0.249629	0.935782	0.349385	0.45074	126.3061	108.3875	100.881	140.624	143.3204	114.5677
24140	LOC103224	17.62001	0.233596	0.608245	0.384049	0.700942	0.771936	17.88885	12.59047	18.08902	13.39276	25.66933	18.08963
24142	ACTL7B	18.00131	0.233291	0.607857	0.383792	0.701133	0.772073	19.51511	14.78012	14.61036	26.78552	19.252	13.06473
14983	ZNF526	631.0849	0.233278	0.126976	1.837189	0.066182	0.11743	585.9954	582.9936	574.6741	662.9417	650.2896	729.6151
25727	LOC119627	2.284069	0.23325	1.785871	0.130609	0.896085	0.925964	2.710432	0	3.478657	2.232127	4.278221	1.004979
14891	PGAP2	1172.662	0.233084	0.12558	1.856058	0.063445	0.113269	1160.607	983.1516	1095.777	1227.67	1165.815	1402.951
22629	LOC119627	49.23078	0.232896	0.376234	0.619021	0.535903	0.629561	43.909	41.6033	49.39693	69.19594	47.06043	44.2191
20008	LOC103225	157.4164	0.232833	0.226476	1.028068	0.303918	0.403822	136.6058	130.8314	165.5841	189.7308	168.9897	152.7569
12847	CREB3	2999.627	0.232797	0.104428	2.229256	0.025797	0.053383	2938.108	2589.805	2751.618	3236.584	2988.338	3493.309
16407	FOXRED2	646.126	0.232736	0.146631	1.587226	0.112461	0.182215	568.1065	660.1786	557.9766	685.263	620.3421	784.889
24230	LOC119628	19.19655	0.232363	0.627814	0.370114	0.711297	0.780431	19.51511	18.612	13.91463	17.85702	34.22577	11.05477
17266	THAP1	585.5518	0.232026	0.159313	1.456416	0.145278	0.223689	481.9148	640.4718	490.4906	660.7096	658.8461	580.8781
13800	TMEM164	2428.923	0.231931	0.113311	2.046854	0.040672	0.078353	2199.786	2304.056	2204.773	2647.303	2293.127	2924.49
12712	TGOLN2	3687.019	0.2319	0.102813	2.255542	0.024099	0.0504	3355.515	3669.301	3153.75	3823.634	3839.704	4280.208
11258	TBC1D23	2754.386	0.231729	0.09022	2.568481	0.010215	0.024121	2611.772	2527.948	2461.498	2883.908	3050.372	2990.819
17314	GAS2L1	753.6531	0.23163	0.160164	1.446205	0.14812	0.227432	734.527	564.929	784.785	754.4589	763.6625	919.5562
11803	CSGALNAC	2378.308	0.231527	0.094573	2.448138	0.01436	0.032344	2202.497	2266.285	2097.63	2482.125	2554.098	2667.216
13776	CHD4	17982.33	0.23139	0.112769	2.051887	0.040181	0.077541	15699.36	18795.93	15139.81	18865.94	18039.12	21353.8
11892	COPA	16187.88	0.231324	0.095305	2.427184	0.015217	0.034017	15359.48	14781.21	14546.35	16678.45	16421.95	19339.82
23430	CPT1C	37.79113	0.230999	0.466415	0.495265	0.620413	0.703956	34.15144	33.39212	36.17803	24.5534	66.31243	32.15934
23269	KLHL32	32.67071	0.230992	0.44509	0.518978	0.603776	0.689819	30.35684	31.20247	27.82925	35.71403	42.78221	28.13943
20139	ZNF500	141.5523	0.230796	0.229551	1.005424	0.314693	0.415418	143.1108	112.7668	134.9719	149.5525	156.1551	152.7569
19332	TNFRSF9	195.9864	0.230661	0.204186	1.129659	0.25862	0.355649	192.9827	171.8873	178.803	198.6593	190.3808	243.205
14600	TTC13	1552.979	0.23064	0.121025	1.905726	0.056686	0.103219	1325.401	1625.266	1338.587	1587.042	1689.897	1751.679
18565	HELZ2	1303.103	0.230439	0.185704	1.24089	0.214647	0.307373	1348.711	845.7513	1406.769	1424.097	1189.346	1603.947
15176	RABEP1	3726.255	0.230177	0.127815	1.800855	0.071726	0.125639	3042.731	4111.063	3136.357	4037.918	3839.704	4189.759
23889	TRNAT-AG	22.72256	0.230134	0.542609	0.424124	0.671475	0.747255	19.51511	18.06459	25.04633	33.4819	17.11289	23.11453
16641	HOXA10	381.0297	0.230101	0.148427	1.550265	0.121078	0.193429	349.6457	362.934	340.9084	392.8543	410.7092	429.1262
14098	MTMR2	1789.004	0.229745	0.115181	1.99464	0.046082	0.086899	1515.673	1863.937	1561.221	1921.861	1916.643	1954.685
12970	LOC103215	23815.25	0.229728	0.103986	2.209216	0.02716	0.05567	23278.81	20857.48	21641.42	24794.47	23438.24	28881.1
21380	ALKAL2	95.26822	0.229726	0.28022	0.819806	0.412326	0.512689	81.31296	105.6505	75.83472	98.21359	109.0946	101.5029
14598	LOC103233	698.5198	0.229647	0.120452	1.906545	0.05658	0.103039	654.8403	650.3252	624.7668	725.4413	767.9407	767.8043
13394	LOC103228	4894.269	0.229607	0.107858	2.128791	0.033272	0.066039	4377.89	4724.711	4422.764	4839.251	5018.354	5982.643
12536	RDH11	3843.089	0.229389	0.099928	2.295552	0.021701	0.046017	3702.45	3312.936	3604.584	4147.292	3848.26	4443.014
24455	COL8A2	13.75336	0.22923	0.67997	0.337118	0.736028	0.800135	10.29964	12.59047	14.61036	17.85702	17.11289	10.04979
22979	LOC119627	41.53768	0.229047	0.403345	0.567868	0.570124	0.659592	42.28274	32.2973	39.65669	40.17829	55.61688	39.1942
16936	ZNF549	422.0366	0.229024	0.152527	1.501533	0.133218	0.209107	388.1338	417.1278	361.0846	410.7114	489.8563	465.3055
14083	KLHL18	1280.411	0.22902	0.114668	1.997235	0.0458	0.086458	1189.337	1243.72	1108.3	1334.812	1304.858	1501.439
22343	LOC103248	55.69315	0.228999	0.342735	0.668151	0.504037	0.599737	47.7036	55.83601	50.78839	51.33892	64.17332	64.31869
25864	LOC119618	1.312196	0.228992	2.095768	0.109264	0.912993	0.938444	0.542086	1.094824	2.087194	0	2.139111	2.009959
17745	CEP19	825.2997	0.228773	0.166107	1.377263	0.168431	0.252338	724.2274	948.1173	606.6778	874.9938	913.4003	884.3819
14165	MARK2	1636.399	0.228558	0.115305	1.982204	0.047456	0.089062	1435.987	1617.054	1472.863	1772.309	1593.637	1926.546
14002	PSP90AA1	32259.7	0.228456	0.113579	2.011434	0.04428	0.084069	27814.45	34768.31	26551.2	34180.56	33966.94	36276.74
13066	PPP1R7	1681.154	0.228305	0.104068	2.193815	0.028249	0.057472	1509.168	1576.546	1564.004	1669.631	1846.053	1921.521
29562	LOC119625	0.628449	0.228049	3.321017	0.068668	0.945254	NA	1.084173	0.547412	0	0	2.139111	0
13796	ADSS1	1162.003	0.22779	0.111259	2.04738	0.040621	0.078277	1115.072	1037.345	1063.078	1227.67	1187.206	1341.648
15955	SLC25A15	541.4601	0.227711	0.135983	1.67455	0.094023	0.156665	488.4198	491.0284	519.7113	593.7458	534.7777	621.0773
13604	RGP1	2806.521	0.227452	0.108904	2.088563	0.036747	0.071814	2429.089	2867.89	2464.281	2872.747	2969.086	3236.034
24355	LOC119627	21.47662	0.227424	0.643859	0.353219	0.723924	0.790227	18.43094	27.37059	13.2189	40.17829	8.556443	21.10457
15809	ZNF609	763.7606	0.227248	0.133716	1.699483	0.089228	0.150049	655.3824	799.2212	656.7704	812.4942	823.5576	835.1379
28265	LOC119615	0.643952	0.227224	3.295554	0.068949	0.945031	NA	1.084173	0.547412	0	2.232127	0	0
10698	CYRIB	5112.943	0.226741	0.084208	2.692627	0.007089	0.017617	4623.997	4865.944	4642.615	5640.585	5550.992	5353.526
24398	LOC103237	15.08072	0.226643	0.653144	0.347004	0.728588	0.793898	14.09425	17.51718	9.740239	20.08914	14.97377	14.06971
12201	FBXO21	3654.73	0.22664	0.09578	2.366246	0.01797	0.039154	3386.956	3503.983	3219.149	3841.491	3749.861	4226.944
25910	LOC119628	1.297121	0.226433	2.194261	0.103193	0.91781	0.94172	2.168345	0.547412	0.695731	2.232127	2.139111	0
12704	CRYZ	5995.047	0.226298	0.100226	2.257875	0.023953	0.050126	5876.216	4929.443	5774.57	6430.758	6293.264	6666.029
15924	TRIM32	1008.593	0.226293	0.134673	1.680317	0.092896	0.155089	986.0551	842.4668	965.6751	1078.117	956.1825	1223.06
12208	ATP6V1F	3251.819	0.226049	0.095567	2.365352	0.018013	0.039223	2809.634	3210.023	2973.556	3569.171	3414.021	3534.513
18238	LEO1	1932.536	0.225841	0.174476	1.2944	0.195527	0.285047	1441.95	2405.328	1497.214	2049.093	2094.189	2107.442
24309	TRNAC-GC	15.79959	0.225809	0.626976	0.360156	0.71873	0.786024	11.9259	14.78012	17.39328	15.62489	14.97377	20.09959
14979	UTP14C	2114.829	0.225676	0.122766	1.838267	0.066023	0.117179	1929.827	2230.156	1690.627	2205.341	2248.205	2384.816
14196	ARHGEF40	3914.44	0.225522	0.114027	1.977802	0.047951	0.089798	3846.103	3343.591	3644.937	4109.346	3784.087	4758.578
19201	MAML2	552.6767	0.225504	0.195642	1.15								



16734	CCDC186	2046.957	0.224823	0.146309	1.536631	0.124384	0.197605	1638.727	2358.798	1665.581	2122.753	2273.875	2222.01
20208	LOC10323	135.7211	0.224564	0.225613	0.995346	0.319568	0.420413	120.8853	124.8099	129.406	158.481	139.0422	141.7021
25317	LOC11962	4.960066	0.224281	1.138631	0.196975	0.843847	0.886076	6.505036	2.737059	4.87012	4.464254	2.139111	9.044815
14601	NFRKB	970.0152	0.224072	0.117593	1.90549	0.056716	0.103267	912.8734	859.4365	916.9739	1008.921	988.2691	1133.617
26720	LOC10321	0.629337	0.223976	3.319627	0.06747	0.946207	NA	0.542086	1.094824	0	0	2.139111	0
11869	IDE	7285.344	0.223827	0.092002	2.432858	0.01498	0.033553	6728.918	7157.409	6281.063	7636.106	7685.825	8222.742
23218	LOC10324	48.20383	0.223671	0.424563	0.526825	0.598315	0.685081	36.86187	37.224	58.44144	44.64254	74.86887	37.18424
18568	PTMS	6323.633	0.223618	0.180288	1.240339	0.21485	0.307622	4515.037	8159.721	4827.68	6937.451	6857.989	6643.919
25587	LOC11962	2.610204	0.223572	1.457535	0.15339	0.87809	0.91234	2.168345	2.189647	2.782925	2.232127	4.278221	2.009959
27459	LOC11962	0.644839	0.223162	3.294221	0.067744	0.94599	NA	0.542086	1.094824	0	2.232127	0	0
17139	ACY1	3088.25	0.223158	0.151355	1.474403	0.140373	0.217738	3319.195	2202.238	3032.693	3133.906	3088.876	3752.593
18262	PUR1	283.1215	0.223026	0.17271	1.291332	0.196588	0.286185	259.1173	276.443	248.3761	332.5869	271.6671	310.5387
13818	CUNH16or	3897.956	0.222625	0.108865	2.044975	0.040857	0.078604	3409.181	4020.192	3368.036	4113.81	3970.189	4506.328
16199	NMI	890.2662	0.222495	0.136737	1.627176	0.1037	0.170187	767.5943	955.781	742.3454	948.654	943.3478	983.8749
25222	LOC11962	5.916321	0.222481	1.054288	0.211025	0.832868	0.877876	5.96295	8.211177	2.087194	8.928508	4.278221	6.029877
12986	DCBLD2	23156.8	0.222415	0.100818	2.206095	0.027377	0.056039	20779.8	23677.2	19673.2	24298.93	23859.64	26652.06
23973	LOC11962	21.40829	0.222288	0.540824	0.411018	0.681059	0.755265	22.22554	16.42235	20.87194	24.5534	19.252	25.12449
15925	ZEB1	6033.407	0.22222	0.132255	1.680235	0.092912	0.155105	4949.791	6847.574	4910.472	6448.615	6614.13	6429.859
15262	FMR1	5305.547	0.222193	0.124419	1.785853	0.074123	0.129116	4473.839	5872.634	4346.93	5591.478	5745.651	5802.751
15140	OAS3	3111.369	0.222145	0.122909	1.807398	0.0707	0.124144	2664.355	3291.587	2666.043	3178.549	3140.214	3727.469
13207	SNRNP70	7570.143	0.222061	0.102486	2.166736	0.030255	0.060902	6678.504	7709.748	6581.619	8187.442	7589.565	8673.978
22616	LOC11962	62.06756	0.222061	0.356856	0.622269	0.533765	0.627438	60.71367	41.05589	70.26887	58.0353	77.00798	65.32367
18315	ZNHIT1	2467.621	0.222039	0.173475	1.279944	0.200565	0.291128	2627.493	1568.335	2640.301	2705.338	2466.395	2797.863
12353	ARG2	2052.496	0.221879	0.095101	2.333103	0.019643	0.042273	1954.763	1860.653	1870.126	2276.77	2115.58	2237.084
14229	EIF4EBP2	4386.832	0.221865	0.112586	1.970627	0.048767	0.091103	3907.901	4536.949	3710.335	4370.505	4656.844	5138.46
23897	LOC11962	30.44568	0.22186	0.524248	0.423197	0.672151	0.747757	31.9831	22.9913	28.52499	55.80317	19.252	24.11951
25150	LOC11962	8.174699	0.221852	1.001001	0.22163	0.824602	0.871652	2.710432	16.42235	3.478657	6.696381	10.69555	9.044815
22984	LOC10321	43.90434	0.221793	0.391338	0.566755	0.570881	0.660323	42.82482	41.6033	36.17803	46.87467	57.75599	38.18922
15335	FGF5	602.2579	0.221426	0.124893	1.772924	0.076241	0.132173	567.5644	545.7696	555.1936	658.4775	635.3159	651.2267
12256	TSG101	2186.716	0.221257	0.09395	2.355058	0.01852	0.040172	2024.693	2099.324	1934.133	2314.716	2378.691	2368.737
10459	FYTTD1	7967.857	0.22123	0.080327	2.754107	0.005885	0.014959	7430.378	7506.111	7139.595	8428.511	8569.277	8733.272
13467	SEC24A	2341.163	0.221127	0.104613	2.113768	0.034535	0.068175	2101.669	2375.767	2009.968	2502.214	2468.534	2588.827
13271	FBN1	15036.12	0.221091	0.102648	2.153871	0.03125	0.062602	13600.95	14825.01	13240.46	15524.44	14967.36	18058.48
15590	AP3M2	854.5727	0.220839	0.127555	1.731321	0.083395	0.142211	783.3148	849.5831	738.171	834.8155	932.6523	988.8998
25925	LOC11962	1.299784	0.220682	2.19362	0.100602	0.919867	0.943285	0.542086	2.189647	0.695731	2.232127	2.139111	0
18299	UBAP2L	6194.797	0.220618	0.171944	1.283085	0.199462	0.289781	4635.381	7833.463	4697.578	6455.311	6656.912	6890.139
19516	HDAC10	670.6862	0.220581	0.20077	1.098677	0.271909	0.370384	711.2173	430.2657	720.082	616.067	729.4367	817.0483
25267	LOC11962	5.551311	0.220549	1.08153	0.203923	0.838414	0.882113	3.794605	8.211177	3.478657	2.232127	8.556443	7.034856
13834	TWSG1	3886.704	0.220427	0.10788	2.043261	0.041027	0.078841	3435.201	4003.77	3336.032	3984.347	4085.701	4475.174
17116	LOC10322	1349.516	0.220392	0.149028	1.478862	0.139177	0.216174	1452.791	1006.143	1284.32	1421.865	1339.083	1592.892
12761	CIC	3849.074	0.220113	0.097917	2.247961	0.024579	0.051205	3446.585	3499.604	3726.337	4270.059	3786.226	4365.631
21611	LOC10323	184.1417	0.219954	0.278637	0.789394	0.429882	0.528824	129.5586	169.1503	208.7194	243.3018	222.4675	131.6523
19605	FAM241B	447.1959	0.219915	0.202479	1.086116	0.277428	0.376201	492.2144	299.9817	450.1382	437.4969	455.6306	547.7138
20449	LOC10321	157.5645	0.219852	0.230383	0.954288	0.339938	0.441941	169.1309	124.2625	141.9292	183.0344	173.268	153.7619
17377	LOC10323	534.7407	0.219576	0.153215	1.433122	0.151823	0.232274	497.0932	475.1535	505.101	660.7096	583.9772	486.4101
22771	LOC11962	47.05118	0.219472	0.367602	0.597037	0.550483	0.642685	46.61943	40.50847	43.83108	46.87467	49.19955	55.27387
18867	TMEM106	279.6288	0.219471	0.181413	1.209785	0.226362	0.31896	271.0432	256.7361	249.0718	247.7661	331.5622	321.5934
20582	HOXB8	156.6637	0.21945	0.233309	0.940594	0.346913	0.448094	137.1479	171.3399	124.5359	162.9453	188.2417	155.7718
13967	PHC3	3809.164	0.219175	0.108584	2.018494	0.04354	0.082874	3458.511	3945.197	3156.533	3955.329	4246.135	4093.281
12678	IFT22	1639.123	0.219165	0.096755	2.265153	0.023503	0.049285	1544.946	1497.171	1504.171	1770.077	1713.428	1804.943
19349	YIF1B	1135.21	0.218957	0.194242	1.12724	0.259641	0.35674	1227.826	745.5749	1178.569	1194.188	996.8256	1468.275
18447	FKBP1B	347.8968	0.218914	0.174096	1.257431	0.208598	0.300622	342.5986	281.3697	340.9084	328.1227	423.5439	370.8374
14699	CCNDBP1	1064.591	0.218857	0.115761	1.890598	0.058678	0.106123	1010.449	903.2295	1039.423	1176.331	1097.364	1160.751
15088	LOC10322	774.4673	0.218819	0.12033	1.818496	0.068988	0.121557	749.7054	706.1612	692.9484	852.6725	785.0536	860.2624
13259	ACTB	189474.6	0.218747	0.101452	2.15616	0.031071	0.062299	182422.9	166523.2	176475.7	196337.9	186113.3	228974.5
25230	LOC10322	5.877128	0.218584	1.03961	0.210256	0.833468	0.87823	3.252518	6.568942	6.261582	4.464254	10.69555	4.019918
11465	CSNK1A1	22919.79	0.218497	0.086585	2.523494	0.011619	0.026941	22173.5	20883.76	20510.86	24290.01	23478.88	26181.73
17374	FAM207A	954.7973	0.218449	0.152198	1.435295	0.151203	0.231365	986.5972	700.6871	962.1965	1053.564	960.4607	1065.278
14812	PPME1	2564.289	0.218283	0.116693	1.870567	0.061405	0.110212	2254.537	2626.482	2235.385	2783.462	2474.951	3010.918
23055	LOC11962	55.30804	0.218132	0.394642	0.552734	0.580446	0.669319	48.24569	53.64636	49.39693	73.66019	72.72976	34.1693
24427	PKD2L1	16.13173	0.217879	0.639413	0.340748	0.733293	0.798076	17.88885	10.40082	16.00182	22.32127	17.11289	13.06473
12137	SLC25A4	2565.585	0.217832	0.091576	2.3787	0.017374	0.038052	2403.611	2367.556	2346.702	2848.194	2622.55	2804.898
23144	LOC10322	46.42582	0.217778	0.405121	0.537563	0.590878	0.6787	36.31979	44.34036	46.614	62.49956	55.61688	33.16432
19107	STK19	420.4205	0.217749	0.186457	1.167828	0.242876	0.337932	458.6051	309.8351	400.7413	410.7114	432.1004	510.5296
24493	NDNF	14.75273	0.217719	0.655756	0.332013	0.73988	0.803074	11.9259	17.51718	11.1317	15.62489	19.252	13.06473
15328	NCOA2	2995.725	0.217647	0.122666	1.774305	0.076013	0.131837	2562.984	3243.962	2505.329	3234.352	3043.954	3383.766
24440	LOC11962	15.8672	0.217627	0.642082	0.338939	0.734655	0.799133	10.29964	15.32753	18.78475	17.85702	12.83466	20.09959
17401	PHLDB3	421.411	0.21759	0.152236	1.429295	0.152919	0.233628	389.218	383.7357	399.3498	459.8182	397.8746	498.4698
20615	KCNN3	167.0517	0.217569	0.232799	0.934578	0.350006	0.451366	145.8212	175.7192	143.3207	138.3919	201.0764	197.981
21342	TRIM58	102.1333	0.217397	0.263398	0.825355	0.40917	0.509689	105.1648	87.58589	91.14081	11		



21565	LOC103211	91.41104	0.216415	0.272374	0.794549	0.426876	0.526246	85.10756	83.2066	84.1835	100.4457	109.0946	86.42823
22646	TGFB83L	52.10003	0.216374	0.351227	0.616051	0.537861	0.631415	46.07734	49.81448	49.39693	55.80317	49.19955	62.30873
14188	SNX29	2104.411	0.216194	0.109246	1.978959	0.047821	0.089598	1896.218	2060.458	1889.606	2267.841	2047.129	2465.215
17971	ZNF576	304.8203	0.21616	0.160322	1.348287	0.177566	0.262678	273.2115	287.9386	285.9456	314.7299	329.423	337.6731
20633	NUDT6	163.4759	0.216153	0.232333	0.930358	0.352186	0.453781	134.9795	175.7192	145.4079	154.0168	164.7115	206.0208
13659	ZNF277	1191.229	0.215957	0.104017	2.076172	0.037878	0.073723	1099.351	1095.918	1108.996	1290.169	1319.831	1233.11
16238	CDC93	1894.962	0.215934	0.133387	1.618852	0.105479	0.172691	1594.276	2090.566	1577.223	2031.236	1918.782	2157.691
13864	OSGIN2	3110.482	0.215608	0.105842	2.037072	0.041643	0.079852	2723.984	3190.316	2724.484	3216.495	3277.118	3530.493
24288	LOC119621	18.75868	0.215484	0.591877	0.364068	0.715807	0.783503	17.34676	15.87494	18.08902	26.78552	21.39111	13.06473
18070	MIGA2	434.6183	0.215468	0.1621	1.329227	0.183773	0.270371	449.9317	349.2487	409.7858	464.2824	429.9612	504.4997
14550	HSPG2	13856.68	0.21537	0.112381	1.916419	0.055312	0.101063	12897.86	11708.04	13875.67	14249.9	13532.01	16876.62
16154	MPPE1	946.1413	0.215286	0.131584	1.636106	0.101817	0.167563	980.6342	802.5057	847.4008	991.0644	949.7651	1105.477
24789	LOC119621	10.21928	0.215237	0.759877	0.283252	0.776983	0.833277	9.757555	8.211177	10.43597	11.16063	10.69555	11.05477
21288	EVA1B	336.0745	0.215192	0.257455	0.835843	0.403243	0.50358	367.5346	178.4563	388.2181	352.6761	348.675	380.8872
16447	DIPK2A	1118.579	0.214941	0.136022	1.580195	0.114062	0.184371	937.2673	1221.823	946.8904	1227.67	1165.815	1212.005
19268	CKB	257.6852	0.214871	0.188249	1.141423	0.253694	0.350049	263.9961	206.9217	246.2889	279.0159	252.4151	297.4739
13015	MRPL44	1560.059	0.214864	0.09762	2.201032	0.027734	0.056653	1485.317	1426.555	1421.379	1678.559	1647.115	1701.43
12145	TMEM41B	2212.092	0.21468	0.090297	2.377492	0.017431	0.038155	2023.066	2081.807	2039.189	2352.662	2382.969	2392.856
15277	DTX3L	2779.643	0.214639	0.120318	1.783937	0.074434	0.12953	2405.779	2969.162	2348.093	2857.123	2887.799	3209.904
18176	ZNF791	567.342	0.214457	0.164138	1.306564	0.191361	0.279893	477.036	638.2822	459.1827	593.7458	643.8723	591.9329
16603	KDM6B	744.9608	0.214427	0.137753	1.556604	0.119565	0.191442	619.0626	762.5447	689.4698	830.3512	725.1585	843.1778
25284	LOC119621	5.620018	0.214216	1.06283	0.201552	0.840267	0.883503	3.252518	3.284471	9.044508	6.696381	6.417332	5.024897
13883	SNX9	6810.763	0.214205	0.105359	2.03309	0.042043	0.080506	5978.128	7100.479	5842.056	7301.287	6975.64	7666.988
24205	LOC119621	21.33899	0.214172	0.573468	0.373468	0.7088	0.778494	21.68345	19.15941	17.39328	26.78552	29.94755	13.06473
22718	LOC119621	74.77522	0.213975	0.353139	0.605922	0.544566	0.637261	80.77087	60.2153	66.09448	53.57105	117.6511	70.34856
16188	TNFRSF11A	766.2663	0.213874	0.131332	1.628491	0.103421	0.169844	725.3116	749.9542	657.4661	772.3159	785.0536	907.4965
17396	ZNF627	950.0565	0.213772	0.149485	1.430057	0.152701	0.233361	978.4659	749.4068	914.191	863.8331	1108.059	1086.383
20009	OGFOD2	462.3419	0.213667	0.207862	1.027929	0.303983	0.403888	512.8137	302.7187	471.0101	421.872	521.943	543.6939
14433	CASP7	1264.366	0.213417	0.110133	1.937819	0.052645	0.096971	1210.479	1169.819	1131.259	1466.507	1268.493	1339.638
23852	LOC103231	26.90183	0.213207	0.49561	0.430191	0.667056	0.743489	26.02015	25.72836	22.2634	26.78552	38.50399	22.10955
20490	ACSM3	168.8921	0.213047	0.224627	0.948446	0.342902	0.444903	171.8414	170.2451	128.0146	171.8738	175.4071	195.971
21441	LOC119621	133.7087	0.21296	0.262094	0.812535	0.416485	0.516406	149.6158	93.06001	129.406	131.6955	149.7377	148.737
13427	SEC16A	4739.263	0.21296	0.100375	2.121645	0.033868	0.067057	4455.95	4390.79	4331.624	4915.144	4691.07	5651
25672	LOC119611	2.648652	0.212884	1.527143	0.1394	0.889134	0.202776	3.252518	0.547412	3.478657	4.464254	2.139111	2.009959
14990	PHYH	1132.134	0.212771	0.115907	1.835711	0.0664	0.117762	1074.415	1092.087	983.7642	1136.153	1197.902	1308.483
21904	LOC119611	103.7235	0.212556	0.285818	0.743676	0.457072	0.554751	89.98634	111.1246	84.87923	118.3027	132.6249	85.42325
16930	SSH3	1281.763	0.212492	0.141474	1.501993	0.133099	0.208992	1272.277	1031.871	1264.144	1357.133	1189.346	1575.808
17812	IL17RE	1159.964	0.212459	0.154528	1.374886	0.169167	0.252487	1259.267	852.3202	1115.257	1238.83	1144.424	1349.687
21433	LOC103221	113.0211	0.212315	0.260964	0.813578	0.415887	0.515834	107.8752	120.4306	86.27069	120.5349	113.3729	129.6424
23402	LOC103211	35.19774	0.212276	0.425836	0.498493	0.618137	0.702195	33.06727	33.39212	30.61218	40.17829	42.78221	31.15436
24900	LOC103221	9.869536	0.212156	0.799239	0.265447	0.790665	0.84417	12.46799	7.663765	6.957314	13.39276	10.69555	8.039836
13283	COP1	1713.041	0.212069	0.098574	2.151361	0.031448	0.06294	1598.071	1626.908	1533.392	1892.844	1865.305	1761.729
18971	LOC103231	284.8163	0.211849	0.177967	1.190382	0.233896	0.327771	286.2216	257.831	250.4633	296.8729	273.8062	343.703
17122	CEP85L	880.5593	0.211843	0.143337	1.477937	0.139425	0.216482	753.5001	951.9491	744.4326	852.6725	981.8518	998.9496
14140	INOB80B	1247.545	0.211791	0.106559	1.987544	0.046862	0.088108	1123.745	1202.664	1139.608	1319.187	1409.674	1290.394
18280	LOC119621	398.246	0.211655	0.164384	1.287563	0.197898	0.287808	382.713	322.4256	404.2199	441.9611	382.9008	455.2557
25408	LOC119621	4.27845	0.21156	1.179298	0.179395	0.857628	0.897309	3.794605	6.02153	2.087194	4.464254	4.278221	5.024897
20484	LOC103231	168.4272	0.211528	0.222729	0.949714	0.342258	0.444196	141.4845	183.383	144.7121	171.8738	171.1289	197.981
16710	DPM3	588.3549	0.211438	0.137226	1.540806	0.123364	0.196268	539.3759	501.9766	592.7631	651.7811	650.2896	593.9429
24179	LOC103211	42.53671	0.2114	0.560349	0.872764	0.705977	0.776227	60.71367	15.32753	43.13534	51.33592	21.39111	63.31371
21244	LOC119621	112.5168	0.211252	0.250666	0.842762	0.399361	0.499766	99.20181	113.3142	99.48959	136.1597	113.3729	113.5627
17157	SLC39A3	918.6712	0.210789	0.143068	1.47335	0.140657	0.217949	925.8835	759.8076	875.2301	915.1721	896.2874	1139.647
23232	LOC119621	41.59545	0.210469	0.401613	0.524059	0.600237	0.686836	32.52518	45.98259	36.87376	51.33892	40.6431	42.20914
14858	SMPD2	1108.418	0.210269	0.112991	1.860938	0.062753	0.112282	996.3547	1094.276	994.2001	1220.973	1116.616	1228.085
14619	OPA1	8105.497	0.210165	0.110387	1.903891	0.056924	0.103518	7112.173	8630.495	6807.731	8613.778	8376.757	9092.049
20720	LOC103241	139.0164	0.210102	0.229474	0.915583	0.359885	0.461755	121.4273	139.59	125.9274	131.6955	164.7115	150.7469
19893	ALOXE3	261.4244	0.210052	0.200875	1.045689	0.295705	0.395012	223.3396	291.2231	214.2853	245.534	286.6408	307.5237
14314	SUCLA2	1144.756	0.209993	0.10721	1.958701	0.050148	0.093132	1098.809	1068	1019.942	1200.884	1208.598	1272.304
21744	ADAT3	121.8221	0.20995	0.272454	0.770587	0.440952	0.539123	120.8853	87.03848	132.8847	124.9991	113.3729	151.7519
12098	MRPL3	5113.11	0.209602	0.08781	2.386985	0.016987	0.037326	4901.545	4525.453	4802.634	5562.46	5253.656	5632.91
21442	KLF15	103.6373	0.209347	0.25767	0.812462	0.416526	0.516433	101.3702	94.15483	91.83654	124.9991	106.9555	102.5079
16346	TGFB1	5518.584	0.209217	0.131067	1.596257	0.110431	0.179605	4561.657	6205.46	4591.827	6013.35	5510.349	6228.863
20346	LOC103231	191.6835	0.209201	0.21568	0.969959	0.332067	0.433893	161.5417	206.9217	164.8883	178.5702	233.1631	205.0158
23185	LOC103221	53.55803	0.209177	0.393203	0.531981	0.594739	0.681956	43.36691	65.68942	38.96096	75.89232	49.19955	48.23901
21618	HSD17B1	123.1043	0.20916	0.265439	0.78798	0.430708	0.529669	126.8482	102.9134	114.7957	95.98146	143.3204	154.7668
14340	FAM174C	1084.725	0.208998	0.106933	1.954474	0.050645	0.093894	1017.496	971.1086	1031.77	1136.153	1167.954	1183.866
16262	FAM171B	1862.535	0.208934	0.129368	1.615041	0.106302	0.173781	1563.919	2052.794	1566.787	1977.665	2000.068	2013.979
23597	SMIM34A	34.03886	0.208853	0.445651	0.468648	0.639321	0.720276	35.7777	30.10765	29.91645	31.24978	29.94755	47.23404
25848	LOC119611	1.676778	0.208804	1.866994	0.11184	0.910951	0.936924	1.084173	1.642235	2.087194	2.232127	0	3.014938
22250	LOC119621	83.88118	0.20										



19021	LOC103235	680.6996	0.208404	0.176474	1.180934	0.237629	0.332126	728.022	488.2913	681.8167	727.6734	635.3159	823.0782
15322	KCNAB2	944.6579	0.208295	0.117325	1.775361	0.075838	0.131582	897.695	824.9496	910.7124	995.5286	964.7389	1074.323
17688	CGRRF1	571.7389	0.20785	0.149855	1.387001	0.165442	0.248658	570.8169	469.1319	548.2363	642.8526	656.707	542.6889
13438	PLXND1	4499.755	0.207595	0.09793	2.119835	0.03402	0.067303	4194.664	4216.713	4126.383	4571.396	4567.001	5322.371
24034	CDKL4	24.74893	0.207359	0.516597	0.401395	0.68813	0.761169	29.27266	19.70683	19.48048	31.24978	25.66933	23.11453
22571	LOC119624	81.69456	0.207298	0.32922	0.629663	0.528915	0.62297	78.60252	59.12048	91.14081	60.26743	100.5382	100.4979
21262	LOC103215	208.2138	0.207248	0.246554	0.840579	0.400584	0.500871	239.0601	135.7581	206.6322	216.5163	201.0764	250.2399
24452	LOC103215	23.58375	0.20708	0.613556	0.337507	0.735734	0.799914	20.59928	14.78012	29.22072	40.17829	25.66933	11.05477
21388	LOC119625	129.6402	0.206941	0.252989	0.817986	0.413365	0.513804	112.754	146.7064	102.2725	129.4634	136.9031	149.7419
24357	LOC119615	19.50935	0.20689	0.58593	0.353096	0.724017	0.790244	14.09425	24.63353	16.00182	20.08914	17.11289	25.12449
18663	LOC119615	413.5309	0.206809	0.167713	1.233114	0.217533	0.310012	417.9486	327.3523	407.6986	475.443	391.4573	461.2856
20690	TST	895.4987	0.20671	0.22387	0.923349	0.355826	0.457172	1066.826	491.5758	937.1502	966.511	889.87	1021.059
25433	DPT	4.606043	0.206567	1.176691	0.175549	0.860648	0.899632	2.168345	5.474118	4.87012	6.696381	6.417332	2.009959
16610	TMEM205	1968.58	0.206534	0.132723	1.556133	0.119676	0.191547	1997.046	1509.762	1980.051	2133.913	1946.591	2244.119
23060	PCSK4	61.59851	0.206515	0.373906	0.552316	0.580732	0.669504	54.20864	52.55153	63.31155	58.0353	96.25998	45.22408
24030	IGFBP4	28.52762	0.206505	0.513485	0.402164	0.687563	0.760669	23.8518	20.80165	34.09084	44.64254	25.66933	22.10955
14114	JAK1	13258.82	0.206458	0.103705	1.99083	0.0465	0.08757	11828.32	13682.01	11429.47	13941.87	13369.44	15301.82
15336	NUDT16	1511.409	0.206354	0.116405	1.772731	0.076273	0.132211	1359.553	1569.43	1282.929	1582.578	1593.637	1680.326
20167	LOC103215	1947.352	0.206194	0.205966	1.001109	0.316774	0.417572	1382.32	2633.598	1410.247	2071.414	1927.339	2259.194
22292	CTU1	79.24329	0.206188	0.305291	0.675383	0.499433	0.595613	81.31296	58.57306	81.40057	75.89232	89.84265	88.43819
16404	OSBPL7	903.6979	0.206093	0.129785	1.587953	0.112297	0.181993	877.0957	755.4283	889.1447	968.7431	885.5918	1046.184
15308	AKAP8	1645.806	0.205984	0.115828	1.778364	0.075344	0.130848	1530.31	1663.037	1395.637	1747.755	1640.698	1897.401
17101	RIMS2	848.8972	0.205808	0.138927	1.481411	0.138497	0.215306	756.7526	905.4191	701.2972	874.9938	977.5736	877.3471
15792	AFDN	7365.982	0.205712	0.120773	1.703291	0.088514	0.149012	6280.071	8078.156	6169.05	7888.337	7441.966	8338.315
14778	POGLUT1	1356.005	0.2057	0.109574	1.877271	0.060481	0.108803	1298.297	1244.267	1235.619	1566.953	1332.666	1458.225
23612	LOC119625	646.1185	0.20561	0.440272	0.467007	0.640495	0.72114	758.3788	333.9212	709.646	624.9956	509.1083	940.6608
15514	TTC28	2055.448	0.205593	0.118106	1.740749	0.081728	0.14005	1757.444	2167.203	1806.119	2167.395	2089.911	2344.617
18349	ZNFB789	588.744	0.205485	0.161312	1.273839	0.20272	0.293712	634.2411	457.6363	550.3235	564.7281	665.2634	660.2715
17935	CPEB1	531.9754	0.205457	0.151696	1.354404	0.175607	0.260302	474.8677	520.0412	491.8821	479.9073	583.9772	641.1769
13873	VPS41	5302.96	0.205245	0.100832	2.03552	0.041799	0.080099	4820.232	5407.334	4554.953	5540.139	5495.375	5999.727
12767	CDKN1A	11037.68	0.205207	0.091316	2.247218	0.024626	0.051279	10673.14	9935.524	10159.77	11745.45	11014.28	12697.92
25539	LOC103224	5.970792	0.205154	1.285993	0.159529	0.873252	0.909018	6.505036	8.211177	1.391463	11.16063	8.556443	0
16428	SCAPER	1309.18	0.205139	0.129478	1.584352	0.113114	0.183049	1212.105	1371.267	1065.86	1473.204	1283.466	1449.18
26042	LOC103235	0.977529	0.204944	2.564462	0.079917	0.936303	0.955778	1.626259	1.094824	0	0	2.139111	1.004979
17187	INTS5	1165.061	0.204815	0.139399	1.469271	0.141759	0.219262	1215.358	946.475	1090.907	1169.635	1152.981	1415.011
16788	CHMP2B	1629.668	0.204775	0.134051	1.52759	0.126614	0.200507	1399.125	1772.519	1366.416	1799.094	1861.026	1579.828
26038	LOC119625	0.993032	0.204714	2.552864	0.08019	0.936086	0.955742	1.626259	1.094824	0	2.232127	0	1.004979
17454	TNNT1	455.3699	0.204583	0.144273	1.41803	0.156182	0.237888	419.0328	455.4466	394.4797	468.7467	509.1083	485.4051
22713	LOC119615	63.26602	0.204472	0.336863	0.606991	0.543857	0.636571	54.75072	60.76271	59.8329	60.26743	87.70354	56.27885
13436	HARS1	2668.915	0.204175	0.096294	2.120341	0.033977	0.067229	2545.638	2452.405	2448.974	2738.82	2759.453	3068.202
14220	CUL4B	2975.471	0.204069	0.103418	1.973237	0.048469	0.090614	2620.988	3062.769	2613.863	3120.514	3159.466	3275.228
14345	PCNA	7336.244	0.204011	0.104442	1.953348	0.050778	0.094105	7292.688	5968.431	7195.95	7984.318	7555.339	8020.741
24504	TRNAS-AG	16.91744	0.203791	0.617007	0.330291	0.74118	0.804063	15.7205	12.59047	19.48048	15.62489	14.97377	23.11453
21053	CCDC40	196.129	0.203761	0.233527	0.872538	0.382915	0.483532	163.168	218.9647	167.6713	196.4272	173.268	257.2747
14735	TMEM109	3470.491	0.20373	0.108193	1.883015	0.059698	0.107681	3468.269	3079.739	3136.357	3569.171	3443.968	4125.441
18885	PRRC2C	14061.35	0.203546	0.168744	1.206239	0.227726	0.320559	10575.56	17848.36	10789.4	14986.5	14644.35	15523.92
14773	WRN	2262.344	0.203533	0.108383	1.877912	0.060393	0.108682	2024.151	2324.858	1961.267	2475.429	2290.988	2497.374
25299	LOC119625	5.994563	0.203505	1.021168	0.199287	0.842039	0.884847	5.420864	6.568942	4.87012	8.928508	2.139111	8.039836
17031	LOC119615	779.3063	0.203211	0.136453	1.489241	0.136424	0.212954	672.7292	815.6436	688.0783	821.4227	776.4972	901.4666
14491	RCBM23	2664.5	0.203204	0.105467	1.926704	0.054017	0.099098	2528.291	2394.379	2515.765	2810.248	2594.741	3143.576
15163	SYPL1	1449.361	0.203155	0.112654	1.80335	0.071333	0.125067	1270.108	1493.339	1279.45	1546.864	1531.603	1574.803
26104	CXCR3	0.980192	0.202856	2.895507	0.070059	0.944147	0.961544	0	2.737059	0	0	2.139111	1.004979
18037	ARFRP1	1246.539	0.202583	0.15154	1.336831	0.181278	0.267188	1307.512	961.8026	1213.356	1285.705	1172.233	1538.624
22006	CLDN16	99.38791	0.202567	0.279332	0.725182	0.46834	0.565792	86.19173	107.2927	82.0963	109.3742	121.9293	89.44317
18249	EAF1	1586.426	0.202443	0.156556	1.293102	0.195976	0.285498	1637.101	1176.388	1617.575	1658.47	1465.291	1963.73
20257	PAOX	600.199	0.202358	0.205114	0.986561	0.323858	0.425026	641.2882	420.9597	617.1137	600.4422	513.3866	808.0035
22858	LOC103234	61.83495	0.202347	0.346079	0.584685	0.55876	0.649866	55.29281	69.5213	46.614	78.12444	64.17332	57.28383
17676	TOP1MT	1188.529	0.202295	0.145564	1.389731	0.164611	0.247577	969.7925	1340.612	1006.723	1194.188	1296.301	1323.558
13931	ATRN	2398.157	0.202238	0.099835	2.025718	0.042794	0.081665	2268.631	2287.087	2140.765	2473.197	2453.56	2765.703
17876	ATG2A	1685.664	0.202123	0.148091	1.364858	0.172298	0.256239	1688.599	1264.521	1755.33	1738.827	1623.585	2043.123
16499	ABCC10	1521.075	0.20212	0.12829	1.575496	0.115142	0.185529	1486.943	1301.745	1462.427	1558.025	1446.039	1871.272
15356	CTNNBIP1	1603	0.202058	0.114267	1.768303	0.07701	0.13333	1593.734	1350.465	1532	1729.898	1597.916	1813.988
14152	KIF3B	2313.54	0.20194	0.101728	1.985097	0.047134	0.088541	2136.904	2277.233	2046.146	2372.751	2400.082	2648.121
19039	CCDC32	415.674	0.201932	0.171377	1.178291	0.23868	0.33327	437.4637	319.1411	404.9157	410.7114	453.4915	468.3204
16081	SHFL	1174.965	0.201687	0.12217	1.650874	0.098764	0.163276	1025.627	1188.978	1068.643	1142.849	1259.936	1363.757
16153	LOC103215	3936.198	0.201662	0.123231	1.636452	0.101745	0.167454	4079.2	3187.032	3723.554	4203.095	3771.252	4653.055
17742	ZNFS66	416.2545	0.201564	0.146303	1.377714	0.168292	0.252172	391.9284	367.3133	402.1327	424.1041	474.8826	437.1661
19374	CERKL	300.2832	0.201421	0.179265	1.123591	0.261187	0.3584	268.8748	320.2359	249.0718	294.6408	342.2577	326.6183
14231	TIMP2	17344.71	0.201336	0.102168	1.970635	0.048766	0.091103	15660.33	17498.02	15257.39	18120.41	17130	20402.09
24228	LOC103225	26.16322	0.201111	0.543087	0.370311	0.711151	0.780341	32.52518	13.13788	27.13352	31.24978	2	



14876	KLHL8	1082.621	0.200382	0.107815	1.85857	0.063088	0.112745	1002.318	1038.988	979.5898	1205.349	1135.868	1133.617
16337	BLVRB	4074.886	0.200349	0.125344	1.59839	0.109956	0.17893	4056.974	3092.877	4227.264	4450.861	4338.116	4283.222
23782	LOC119621	34.33717	0.200332	0.456024	0.4393	0.660444	0.738285	42.28274	24.08612	29.22072	33.4819	42.78221	34.1693
16026	LOC103231	708.9122	0.200237	0.120556	1.660937	0.096726	0.160456	629.3623	680.9803	668.5978	761.1553	763.6625	749.7147
23809	FAM110C	30.74256	0.199835	0.459046	0.435328	0.663325	0.740634	26.56223	32.84471	25.74206	37.94616	34.22577	27.13445
15931	LOC119621	1359.839	0.199815	0.119018	1.678864	0.093179	0.155493	1291.25	1361.413	1148.652	1390.615	1388.283	1578.823
14675	ERLEC1	4562.987	0.199792	0.105525	1.893322	0.058315	0.105643	3919.284	4776.168	4044.286	5008.893	4919.955	4709.334
13542	BLVRA	3688.959	0.199791	0.095126	2.100276	0.035705	0.070093	3594.033	3410.923	3301.245	3944.168	3700.661	4182.725
16181	ZNF823	906.4758	0.199737	0.122548	1.629872	0.103129	0.169438	766.5101	884.6175	878.013	991.0644	1001.104	917.5463
18346	FBXO46	337.9191	0.199648	0.156683	1.274212	0.202588	0.293568	310.0734	318.0463	315.862	386.158	331.5622	365.8125
23070	LOC103241	54.0037	0.199607	0.36241	0.550777	0.581787	0.670414	41.19856	46.53	63.31155	55.80317	59.8951	57.28383
24300	LOC103231	20.23356	0.199556	0.552116	0.361439	0.717771	0.785233	18.97302	20.25424	17.39328	24.5534	17.11289	23.11453
14618	HECTD4	3503.55	0.198791	0.104394	1.904238	0.056879	0.103443	3293.175	3355.087	3146.097	3703.099	3388.351	4135.491
25042	LOC103221	12.49814	0.198756	0.83185	0.238932	0.811158	0.861139	8.673382	10.94824	14.61036	8.928508	27.80844	4.019918
16445	CPA4	824.9809	0.19872	0.125692	1.581007	0.113876	0.184093	809.877	748.8594	750.6941	821.4227	849.2269	969.8052
24186	LOC103211	28.53101	0.198589	0.527707	0.376324	0.706676	0.776771	21.68345	29.56024	27.13352	44.64254	32.08666	16.07967
14431	MFSD14A	2803.343	0.198551	0.102435	1.93832	0.052584	0.096865	2805.839	2417.918	2611.776	2823.641	3035.398	3125.486
13057	TMED8	5839.274	0.198541	0.090443	2.195201	0.028149	0.057314	5438.21	5650.932	5230.508	6124.956	5953.145	6637.889
22434	MDH1B	88.48409	0.198499	0.304681	0.651498	0.514725	0.609966	74.26583	104.5557	68.18167	107.1421	81.28621	95.47305
20669	LOC103241	240.0994	0.198383	0.214152	0.926367	0.354255	0.455652	204.3666	188.3097	276.9011	270.0874	273.8062	227.1254
18281	PTPA	5227.759	0.198177	0.153944	1.287328	0.19798	0.287911	5708.169	3703.788	5200.592	5319.159	5063.275	6371.57
14612	IRF2BPL	1933.206	0.198115	0.104012	1.904725	0.056816	0.103356	1828.457	1742.412	1836.035	2089.271	1893.113	2209.95
15738	CUNH1orf1	1083.188	0.198035	0.11569	1.711767	0.08694	0.146859	1042.974	962.35	1026.204	1136.153	1080.251	1251.199
13538	SLC25A46	3148.046	0.197916	0.094217	2.100635	0.035673	0.070052	2881.731	3132.838	2783.621	3379.44	3285.674	3424.97
20258	LOC119611	226.7812	0.197731	0.20045	0.986436	0.323919	0.425086	242.8547	183.383	205.9365	243.3018	263.1106	222.1005
19947	PITX1	209.9903	0.197601	0.190324	1.038235	0.29916	0.398716	204.3666	198.7105	182.2816	241.0697	222.4675	211.0457
19385	LOC119611	413.5915	0.197547	0.176416	1.11978	0.262808	0.36042	449.3896	316.404	388.9138	426.3363	483.439	417.0665
12330	UBL5	6141.827	0.197543	0.084469	2.338642	0.019354	0.04173	5843.149	5461.528	5859.45	6725.399	6528.566	6432.874
21802	B4GALNT1	129.3612	0.197494	0.260049	0.759451	0.447583	0.545775	106.2489	147.2538	107.1426	162.9453	121.9293	130.6473
17327	RASSF1	940.4825	0.197265	0.136608	1.444025	0.148732	0.2282	974.1292	769.661	889.1447	964.2789	941.2087	1104.472
24365	CFAP57	22.6105	0.197213	0.560449	0.351884	0.724925	0.790976	14.09425	26.82318	22.2634	31.24978	17.11289	24.11951
18934	LMX1B	372.8098	0.197152	0.164555	1.198091	0.230881	0.324178	325.7939	368.9556	348.5614	437.4969	337.9795	418.0715
14538	MYH9	68839.93	0.196948	0.102651	1.918629	0.055031	0.100633	62189.77	68174.67	62089.15	70990.57	67067.54	82527.91
20015	ARMCS	251.5556	0.196891	0.191882	1.062101	0.304844	0.40491	233.6392	215.1328	256.0291	294.6408	272.4675	287.4241
15919	TMEM135	1020.495	0.196884	0.117101	1.681316	0.092702	0.154813	1031.59	903.2295	919.7569	1040.171	1101.642	1126.582
23558	LOC103231	39.62999	0.196788	0.413895	0.475454	0.634463	0.715986	33.60935	41.05589	36.17803	31.24978	53.47777	42.20914
15421	TOR1A	1883.119	0.196785	0.111995	1.75709	0.078902	0.136024	1889.713	1595.158	1783.855	1995.522	1888.835	2145.631
16639	TOMM40L	759.4476	0.196609	0.126771	1.550904	0.120925	0.193208	774.0993	669.4846	681.121	774.5481	819.2794	838.1529
25134	LOC103211	9.30073	0.196598	0.87155	0.225572	0.821534	0.868962	9.757555	6.568942	9.044508	17.85702	8.556443	4.019918
23676	LOC119621	34.38584	0.196529	0.430147	0.456888	0.647752	0.727308	35.23561	29.56024	31.30791	31.24978	42.78221	36.17926
24885	LOC119621	11.29035	0.196252	0.730633	0.268605	0.788233	0.842081	11.9259	8.758589	11.1317	11.16063	10.69555	14.06971
19098	NFIC	1346.464	0.196098	0.167532	1.170507	0.241797	0.336599	1011.533	1626.908	1127.085	1354.901	1493.099	1465.26
23189	LOC103211	54.49909	0.196082	0.368959	0.531447	0.595109	0.682262	53.12446	60.76271	38.26523	49.10679	68.45154	57.28383
24852	LOC119621	13.61554	0.196021	0.716512	0.273577	0.78441	0.839109	6.505036	17.51718	13.91463	17.85702	12.83466	13.06473
16429	DNAJC16	1385.918	0.195976	0.123706	1.584203	0.113147	0.183092	1223.489	1473.633	1180.656	1428.561	1452.456	1556.713
24246	CFAP206	26.18926	0.195716	0.530742	0.368759	0.712308	0.780991	34.69353	19.15941	18.78475	35.71403	25.66933	23.11453
19090	SSBP4	952.2418	0.19567	0.167047	1.171346	0.24146	0.33626	1047.311	676.0536	942.0203	1035.707	921.9567	1090.403
17911	SLC25A25	536.6017	0.195629	0.143894	1.359532	0.173978	0.258233	556.1806	478.4379	468.2272	560.2639	545.4732	611.0275
17437	RTN4IP1	736.2295	0.195628	0.137744	1.420231	0.155541	0.237142	760.5472	610.9116	690.1655	790.173	729.4367	836.1429
14141	TMX1	3387.934	0.195479	0.098364	1.987297	0.04689	0.088152	3313.774	2902.925	3261.589	3700.867	3446.107	3702.344
15684	TEF	1418.512	0.195306	0.113571	1.719681	0.08549	0.14491	1295.044	1437.503	1238.402	1502.221	1428.926	1608.972
25546	CHRNA9	3.974373	0.195229	1.234319	0.158167	0.874325	0.909885	5.96295	1.642235	3.478657	4.464254	4.278221	4.019918
17340	TM2D1	1135.363	0.195081	0.135438	1.440369	0.149763	0.229605	1112.903	887.3546	1174.395	1229.902	1259.936	1147.687
16221	CCSER2	2643.309	0.194972	0.120098	1.623444	0.104494	0.171259	2251.827	2875.554	2268.084	2745.516	2838.6	2880.271
15876	KLHL42	2204.195	0.19487	0.11543	1.688206	0.091372	0.153006	2049.086	2204.427	1918.131	2028.574	2402.221	2568.728
13043	BACH1	4140.347	0.194828	0.088684	2.196875	0.028029	0.057132	3969.156	3808.344	3811.216	4299.077	4293.195	4661.095
25444	PSORS1C1	6.031236	0.194763	1.12282	0.173459	0.862291	0.900959	7.589209	3.831883	5.565851	11.16063	0	8.039836
19097	ZNF17	391.1931	0.194709	0.166349	1.170489	0.241804	0.336599	356.1507	413.2959	325.6023	372.7652	449.2132	430.1312
22313	LOC103241	83.80594	0.194647	0.289203	0.673044	0.500919	0.596824	79.14461	70.06871	84.1835	91.51721	100.5382	77.38342
18514	ANTKMT	443.5883	0.194613	0.155794	1.249175	0.211601	0.303847	447.7633	355.8177	438.3108	466.5145	472.7435	480.3802
20976	EFCAB6	162.6167	0.194612	0.220625	0.882095	0.377725	0.478729	146.9054	166.9606	139.842	200.8914	158.2942	162.8067
18744	LOC103231	1229.936	0.194591	0.158794	1.225428	0.220414	0.312618	1051.105	1434.766	956.6306	1339.276	1197.902	1399.936
13440	PSMA4	5871.665	0.194536	0.091789	2.119375	0.034059	0.06737	5200.235	5809.134	5414.877	6424.061	6447.28	5934.404
25379	TRNAL-UA1	5.617153	0.19449	1.051603	0.184946	0.853272	0.893819	5.96295	2.737059	6.957314	4.464254	8.556443	5.024897
23993	AFF3	41.15619	0.194476	0.477464	0.40731	0.68378	0.75765	34.15144	44.34036	34.78657	55.80317	57.75599	20.09959
15432	SCIN	1477.022	0.194402	0.110766	1.755074	0.079247	0.13652	1374.189	1433.672	1329.543	1584.81	1437.482	1702.435
19727	LOC119621	391.3929	0.19438	0.182593	1.064557	0.287076	0.386877	366.9925	341.0376	391.6968	421.872	327.2839	499.4748
17970	LRCH1	697.5072	0.19438	0.144153	1.348429	0.177521	0.262626	605.5105	759.2602	587.1973	729.9055	744.4105	758.7595
22350	LEMD1	99.24762	0.194223	0.291289	0.666769	0.50492	0.600568	85.64965	81.01695	109.2298	120.5349	117.6511	81.40334
25297	TRNAF-GA	6.594682	0.194146	0.973686									



23561	LOC119618	43.4551	0.193524	0.407452	0.474961	0.634814	0.716261	31.9831	45.43518	43.13534	55.80317	49.19955	35.17428
16385	UBC	104312.6	0.193088	0.121336	1.591342	0.111533	0.180964	108954.5	84224.78	98855.08	106343	101316.8	126181.2
22954	SPNS3	100.0629	0.193066	0.338465	0.570415	0.568396	0.658308	105.1648	61.31012	112.7085	147.3204	83.42532	90.44815
17417	PDK1	877.6787	0.192926	0.135243	1.426511	0.153721	0.234629	906.3684	738.4585	816.7886	879.458	889.87	1035.129
13780	PEX13	2094.491	0.192346	0.093778	2.051079	0.040259	0.07767	1997.046	1924.153	1946.656	2145.074	2254.623	2299.393
16557	CCDC107	270.2773	0.192235	0.122869	1.564546	0.117689	0.18897	673.2713	690.8337	653.9875	801.3336	712.3239	789.9139
21959	TMEM74	99.88049	0.19215	0.261699	0.734242	0.462801	0.560246	87.27591	100.1764	93.228	98.21359	104.8164	115.5726
23400	LOC103215	48.08315	0.192043	0.38501	0.498801	0.61792	0.70201	44.99317	41.6033	49.39693	35.71403	53.47777	63.31371
24641	PRR18	18.5266	0.191904	0.621905	0.308574	0.757646	0.817396	15.17842	19.70683	16.00182	24.5534	25.66933	10.04979
14053	FRS2	1798.72	0.191843	0.095709	2.004454	0.045021	0.08517	1659.326	1744.601	1633.577	1917.397	1920.921	1916.496
11997	TAF7	5897.103	0.191813	0.079695	2.406827	0.016092	0.035657	5528.739	5524.48	5463.578	6218.706	6365.993	6281.122
21977	GPR21	116.056	0.191727	0.262035	0.731685	0.464361	0.561725	123.5957	88.1333	114.0999	109.3742	130.4858	130.6473
15082	OXNAD1	2106.586	0.191701	0.105373	1.81926	0.068872	0.1214	2049.086	1777.446	2072.584	2292.394	2263.179	2184.825
24717	BLID	17.21815	0.191512	0.647104	0.295953	0.767266	0.825324	20.0572	8.758589	19.48048	13.39276	23.53022	18.08963
18111	ACACB	648.8973	0.191365	0.145077	1.319055	0.187151	0.274717	554.5544	612.5538	656.0747	636.1562	648.1505	785.8939
24737	LOC119628	17.62366	0.191234	0.653599	0.292586	0.769839	0.82735	24.39389	13.13788	12.52316	17.85702	10.69555	27.13445
15401	ARMC9	1219.968	0.191148	0.108637	1.759511	0.078491	0.135493	1211.021	1087.16	1117.345	1337.044	1306.997	1260.244
16202	ARFGEF1	4637.393	0.191126	0.117493	1.626701	0.103801	0.170326	4059.685	5067.939	3864.788	4910.679	4862.199	5059.067
16270	AMOTL1	7051.811	0.191074	0.118404	1.613745	0.106583	0.174155	5999.812	7581.106	6180.182	7410.662	6909.327	8229.777
22681	CDNF	68.66554	0.191063	0.312942	0.610537	0.541506	0.634821	57.46116	70.06871	64.00729	78.12444	77.00798	65.32367
24092	LOC119626	35.78596	0.191028	0.487871	0.391554	0.695387	0.767313	22.76763	52.00412	25.04633	37.94616	42.78221	34.1693
17447	RAC3	559.2467	0.190785	0.134443	1.419078	0.155876	0.237521	555.6385	487.7439	525.2772	587.0494	579.699	620.0723
16203	TMED4	4486.111	0.190774	0.117279	1.626665	0.103808	0.170326	4653.269	3682.987	4239.091	4640.592	4438.655	5262.073
20795	CUNH1orf1	407.7093	0.190549	0.210593	0.904821	0.36556	0.467325	464.568	262.7577	416.0474	417.4077	434.2395	451.2358
24414	LOC119625	22.1942	0.190523	0.553044	0.344498	0.730471	0.795428	17.88885	27.918	16.69755	17.85702	25.66933	27.13445
13088	LOC103215	3108.312	0.190482	0.08698	2.189937	0.028529	0.057946	2883.357	2971.899	2854.586	3379.44	3247.17	3313.417
18947	LOC103235	1147.167	0.19045	0.159358	1.195106	0.232045	0.325589	1227.826	850.1305	1140.999	1187.492	1086.668	1389.887
24325	LOC119625	22.83564	0.190391	0.53184	0.357986	0.720354	0.78728	21.14137	19.15941	23.65487	17.85702	32.08666	23.11453
22500	LOC103226	103.1177	0.190301	0.297719	0.639197	0.522695	0.617615	106.2489	69.5213	112.0128	127.2312	111.2338	92.45811
17242	TRAPPC4	2056.319	0.190258	0.130314	1.459995	0.144291	0.222479	2147.746	1580.925	2036.406	2149.538	2136.972	2286.328
16520	BSCL2	1323.927	0.190217	0.121039	1.571536	0.116058	0.186768	1336.243	1126.026	1252.316	1406.24	1294.162	1528.574
15321	TNKS	2785.898	0.19001	0.106986	1.776027	0.075728	0.131404	2424.752	2866.796	2520.635	2881.676	2857.852	3163.675
18582	SLC39A13	2108.924	0.190002	0.15352	1.237633	0.215852	0.308817	2244.78	1525.637	2144.94	2120.521	2077.076	2540.588
20790	ATPLP1	188.1232	0.189926	0.209637	0.959578	0.364948	0.466673	153.9525	201.4475	171.8456	189.7308	211.772	199.9909
22289	LOC119625	104.2165	0.1898	0.280789	0.675951	0.499072	0.595263	111.6698	89.77554	88.35788	124.9991	124.0684	86.42823
18287	LOC119625	618.3591	0.189786	0.147588	1.285913	0.198473	0.288534	625.5677	500.3344	608.7649	696.4236	594.6728	684.391
25593	LOC103245	3.964623	0.189751	1.241072	0.152893	0.878483	0.912533	4.336691	4.379295	2.087194	6.696381	4.278221	2.009959
16343	TMTCC3	6724.268	0.189712	0.118804	1.596846	0.1103	0.179424	5830.139	7371.995	5648.643	7035.664	6866.545	7592.62
16572	PPTC7	1368.859	0.189623	0.121387	1.562138	0.118256	0.189707	1184.459	1395.9	1262.057	1366.062	1394.7	1609.977
15133	REEP3	8158.877	0.189558	0.104788	1.808967	0.070456	0.123767	7046.581	8676.477	7147.248	8727.616	8661.259	8694.077
24547	LOC103218	21.78599	0.189509	0.585557	0.323639	0.746211	0.808165	27.6464	18.06459	14.61036	20.08914	34.22577	16.07967
16411	GPRC5B	4007.848	0.189415	0.119372	1.586769	0.112565	0.182344	3506.757	4275.834	3457.785	4118.274	3968.05	4720.389
14160	PHLDB1	12106.87	0.189263	0.095441	1.983045	0.047362	0.088922	10931.71	11791.25	11225.63	12854.82	11814.31	14023.48
22547	C1RL	96.49977	0.189139	0.299136	0.632283	0.527202	0.62162	110.5856	70.61612	88.35788	124.9991	91.98176	92.45811
18342	PYROXD2	402.2024	0.189093	0.148181	1.276094	0.201922	0.292667	377.8342	357.4599	393.0882	448.6575	400.0137	436.1611
24060	LOC103224	32.48266	0.189087	0.478275	0.395352	0.692583	0.765267	39.03022	20.25424	32.00364	26.78552	40.6431	36.17926
24758	TRNAF-GA	15.24558	0.188993	0.65473	0.288659	0.772843	0.829863	12.46799	18.612	11.1317	20.08914	17.11289	12.05975
17097	UFSP2	1367.692	0.188909	0.127454	1.482178	0.138293	0.215039	1175.243	1487.318	1172.307	1455.347	1439.621	1476.315
13687	PDHB	3749.04	0.188729	0.091096	2.071752	0.038289	0.07437	3644.447	3428.988	3443.175	3988.811	3799.061	4189.759
14932	CMPPK1	4102.356	0.188454	0.101988	1.847796	0.064632	0.115071	3591.322	4263.791	3649.807	4245.506	4440.794	4422.915
24915	TRNAS-GCI	11.95063	0.188445	0.720025	0.261719	0.793538	0.846727	11.38381	8.211177	13.91463	11.16063	14.97377	12.05975
22655	SAXO2	101.3758	0.188426	0.306787	0.614191	0.539089	0.632606	94.32303	72.80577	115.4914	111.6063	132.6249	81.40334
16037	CALM3	10037.27	0.188401	0.113601	1.658441	0.097228	0.161178	8542.197	10966.3	8640.288	10803.49	10385.38	10885.94
15990	GMPS	5556.67	0.188053	0.112759	1.667737	0.095368	0.158559	4895.582	5997.444	4693.404	5868.262	5749.929	6135.4
23819	LOC103234	36.74734	0.187878	0.432518	0.434382	0.664011	0.74112	31.9831	36.67659	33.39511	37.94616	51.33866	29.1444
17040	RWDD2B	981.7835	0.187545	0.126097	1.487307	0.136934	0.213638	847.281	1030.229	875.9258	1008.912	1095.225	1033.119
24302	LOC103215	24.6239	0.187493	0.518928	0.361309	0.717869	0.785307	17.34676	23.53871	27.82925	31.24978	25.66933	22.10955
17886	BBS12	493.2586	0.18745	0.137555	1.362731	0.172967	0.257092	469.4468	472.4164	443.1809	537.9426	489.8563	546.7088
21603	ADRB1	132.2614	0.187415	0.237247	0.789957	0.429553	0.528615	106.791	137.4004	127.3188	136.1597	141.1813	144.717
18235	DAGLA	2634.584	0.187187	0.144615	1.294382	0.195534	0.285047	2815.597	1954.808	2625.69	2718.731	2571.211	3121.466
14178	UBR1	3492.441	0.187004	0.094441	1.980107	0.047692	0.089425	3411.35	3149.26	3244.195	3591.492	3593.706	3964.644
15556	PANK3	6471.769	0.186885	0.107712	1.735042	0.082733	0.14139	5849.654	6831.699	5480.972	6616.024	6785.259	7267.007
21753	LOC103245	134.7965	0.186803	0.2432	0.768104	0.442426	0.540702	111.1277	147.8012	118.2743	140.624	158.2942	132.6573
15606	NDUF55	4889.922	0.186542	0.107909	1.728705	0.083862	0.14286	4782.286	3988.99	4949.433	5307.998	5322.107	4988.718
14405	SUCO	4200.403	0.18652	0.096033	1.942245	0.052107	0.096166	3964.278	4182.226	3644.241	4381.665	4348.812	4681.194
22965	LOC119615	60.16092	0.186401	0.327531	0.569111	0.569281	0.659017	60.71367	51.45671	56.35424	66.96381	64.71332	61.30375
23978	LOC103215	36.57147	0.186017	0.453489	0.410191	0.681666	0.75578	26.56223	29.56024	45.91827	40.17829	47.06043	30.14938
19935	RABAC1	997.6552	0.186014	0.178613	1.041439	0.297672	0.396971	1075.499	669.4846	1057.512	1082.582	956.1825	1144.672
15271	FBXO3	1900.612	0.185937	0.104192	1.784553	0.074334	0.129398	1675.589	1920.868	1737.937	1957.575	2102.746	2008.954
17977	LOC103234	620.5543	0.185909	0.137995	1.347216								



14700	TBCB	1853.32	0.185232	0.097976	1.890585	0.05868	0.106123	1761.781	1719.968	1726.11	1944.183	1884.556	2083.322
24963	LOC119622	12.01277	0.18522	0.733539	0.252501	0.800654	0.852643	15.17842	8.211177	10.43597	15.62489	8.556443	14.06971
21546	ZNF585B	147.8252	0.185099	0.232016	0.797786	0.424995	0.524389	136.6058	154.9175	125.2316	136.1597	156.1551	177.8814
18352	BAZ2B	2293.088	0.184884	0.145251	1.272857	0.203069	0.294168	1920.612	2683.96	1833.252	2499.982	2410.778	2409.941
16592	PIP4P1	1304.542	0.184861	0.118628	1.558333	0.119154	0.190919	1255.472	1216.896	1197.354	1332.58	1264.214	1560.733
17228	CNST	1030.148	0.184441	0.126053	1.463198	0.143413	0.221305	892.8163	1065.811	937.8459	1006.689	1105.92	1171.806
24337	IGF2BP1	34.57486	0.184012	0.515831	0.356729	0.721294	0.78792	27.6464	31.74989	36.17803	40.17829	55.61688	16.07967
16720	LRRC7	760.5946	0.183797	0.11946	1.538563	0.123911	0.19702	700.9177	739.0059	699.21	790.173	785.0536	849.2077
24819	LOC103222	17.96506	0.183708	0.662016	0.277497	0.781398	0.836966	20.59928	7.116354	22.95914	15.62489	21.39111	20.09959
14216	ALDH9A1	5805.673	0.183636	0.093027	1.974003	0.048381	0.090471	5669.139	5165.378	5481.667	6040.136	5873.998	6603.72
25857	LOC119622	2.351105	0.183572	1.660507	0.110552	0.911972	0.937654	1.626259	3.831883	1.391463	2.232127	0	5.024897
16958	RCOR1	1498.514	0.183341	0.122396	1.49793	0.134151	0.210301	1325.401	1549.723	1339.979	1566.953	1450.317	1758.714
17867	PHF13	1255.451	0.183295	0.134106	1.366799	0.171688	0.255455	1319.98	1066.358	1146.565	1247.759	1238.545	1513.499
16027	RDX	8016.909	0.183094	0.110251	1.660705	0.096773	0.160505	6907.265	8676.477	6941.312	8450.833	8733.989	8391.579
17362	ADAM33	1833.668	0.18302	0.127395	1.436638	0.150821	0.23094	1863.151	1490.055	1804.031	1953.111	1754.071	2137.591
19779	GRIK2	259.399	0.182817	0.173059	1.05638	0.290794	0.390847	249.9018	241.4086	236.5487	299.105	263.1106	266.3196
15573	MAN2A2	3620.938	0.182779	0.10547	1.732999	0.083096	0.141855	3563.676	3233.014	3386.125	3754.438	3525.254	4263.123
20104	GLRX	648.2339	0.182764	0.180588	1.012052	0.311513	0.41194	522.0292	788.8204	509.9711	689.7272	699.4892	679.3661
25240	LOC119622	7.675589	0.182713	0.872684	0.20937	0.83416	0.878611	7.589209	7.116354	6.957314	8.928508	6.417332	9.044815
23863	CUNH10orf	34.61879	0.182615	0.426403	0.428268	0.668456	0.744706	34.69353	32.2973	29.91645	42.41041	34.22577	34.1693
16426	MED12	2375.283	0.182352	0.115043	1.585076	0.112949	0.182805	2006.262	2519.737	2152.593	2448.643	2481.368	2643.096
19701	BLOC1S1	2039.809	0.182312	0.17045	1.069592	0.284803	0.38432	2133.11	1337.874	2263.91	2183.02	2072.798	2248.139
15840	CUNH7orf	1164.586	0.182174	0.107638	1.692475	0.090556	0.151982	1079.836	1111.246	1085.341	1249.991	1163.676	1297.428
16399	SNX12	1728.275	0.18214	0.114664	1.588467	0.112181	0.18186	1731.424	1533.848	1596.008	1917.397	1634.281	1956.695
21436	LOC103232	211.9798	0.182059	0.22389	0.813163	0.416125	0.516079	178.8885	240.3138	175.3243	198.6593	271.6671	207.0258
16990	USP46	787.362	0.182047	0.121845	1.494089	0.135152	0.211479	749.1634	771.3032	693.6442	861.601	787.1927	861.2674
15821	CETN2	9062.508	0.182021	0.107328	1.695938	0.089898	0.15106	7768.64	9494.311	8206.152	9941.894	10105.16	8858.894
15405	WDR55	1760.569	0.18202	0.103481	1.75897	0.078583	0.135607	1667.458	1722.705	1561.917	1870.522	1769.045	1971.77
15993	AP2A1	3030.421	0.182017	0.109192	1.666934	0.095528	0.158794	2962.502	2622.103	2940.857	3127.21	2971.225	3558.632
23181	LOC119615	55.9413	0.181967	0.341456	0.532914	0.594093	0.681347	59.08741	50.36189	48.00546	60.26743	55.61688	62.30873
16386	PARP4	5236.832	0.181861	0.114316	1.590859	0.111641	0.181129	4583.34	5577.032	4566.085	5348.176	5262.212	6084.146
16920	GATD3A	1700.038	0.181734	0.120882	1.503397	0.132737	0.208558	1778.043	1408.491	1596.008	1705.345	1796.853	1915.491
14131	TMCO1	2957.573	0.18153	0.091304	1.988204	0.046789	0.088026	2721.816	2841.615	2748.139	3118.281	3300.648	3014.938
18798	LOC119622	649.9057	0.18141	0.148915	1.218215	0.223142	0.315578	627.1939	641.0192	562.8467	709.8164	579.699	778.951
14193	CXXC5	5567.162	0.181395	0.091686	1.978446	0.047878	0.089681	5270.164	5244.205	5144.238	5953.083	5473.984	6317.301
24990	YBX2	14.21494	0.181177	0.732897	0.247206	0.804749	0.856112	10.84173	13.13788	15.30609	11.16063	27.80844	7.034856
17036	GPR137B	700.6444	0.181051	0.121697	1.487721	0.136824	0.213517	647.7932	680.9803	643.5515	720.977	733.715	776.8491
24510	LOC119622	20.63945	0.18101	0.548648	0.329919	0.741461	0.804289	16.80468	21.34906	20.17621	17.85702	23.53022	24.11951
17675	MTF1	990.9543	0.180985	0.130225	1.389784	0.164595	0.247567	873.3011	1044.462	872.4471	1004.457	1005.382	1145.677
13835	PDI A3	8325.376	0.180819	0.088517	2.042765	0.041076	0.07893	7600.051	8313.543	7502.767	8758.866	8571.416	9205.612
17579	HSP90B1	42095.8	0.180766	0.128765	1.403844	0.160365	0.242523	35148.34	48397.23	34841.53	44222.9	43411.11	46553.66
23618	LOC103222	51.33326	0.18044	0.387015	0.466235	0.641047	0.721616	37.40396	48.71965	57.04997	64.73168	59.8951	40.19918
16534	BTRC	2249.046	0.18031	0.114897	1.569318	0.116574	0.187434	1955.848	2357.703	2016.23	2374.983	2226.814	2562.698
20043	ZNF14	372.7304	0.180284	0.176488	1.021507	0.307014	0.407281	385.9655	327.8997	336.0383	319.1942	449.2132	418.0715
25486	LOC103242	6.275115	0.180029	1.081204	0.166508	0.867757	0.905176	2.168345	8.211177	6.957314	4.464254	12.83466	3.014938
15641	TM9SF4	5127.407	0.180003	0.10426	1.726486	0.08426	0.143217	4767.65	5041.663	4622.439	5198.624	5041.884	6092.186
13469	RNF11	4404.144	0.179934	0.085154	2.113038	0.034598	0.068286	4132.866	4119.274	4141.689	4649.521	4511.384	4870.131
12941	NDUFV2	4938.94	0.179735	0.081136	2.215222	0.026745	0.054943	4640.259	4619.608	4637.05	5167.374	5242.96	5326.391
25168	LOC103232	8.981597	0.179545	0.819889	0.218987	0.82666	0.873202	7.047123	8.211177	9.740239	11.16063	10.69555	7.034856
14828	PEC19	4688.096	0.179487	0.096133	1.867067	0.061892	0.110966	4306.334	4770.694	4115.251	4993.268	4806.582	5136.45
25466	LOC103238	5.639094	0.179379	1.056941	0.169716	0.865234	0.903265	4.878777	7.116354	3.478657	8.928508	6.417332	3.014938
16800	OMA1	1095.254	0.179269	0.117501	1.52568	0.12709	0.201112	976.8396	1125.479	976.8068	1185.259	1193.624	1113.517
21797	PNPLA4	169.4034	0.179245	0.235774	0.760243	0.447109	0.545323	137.6899	179.5511	157.2353	171.8738	220.3284	149.7419
24222	LOC103242	31.29364	0.178836	0.482295	0.370802	0.710785	0.780129	35.7777	19.15941	32.69937	33.4819	38.50399	28.13943
25269	LOC103242	9.674301	0.178686	0.877123	0.203719	0.838573	0.882202	16.26259	3.831883	6.957314	13.39276	8.556443	9.044815
17961	LOC119622	1736.421	0.178651	0.132413	1.349192	0.177275	0.262394	1891.881	1399.732	1598.791	1743.291	1798.992	1985.839
19294	AKR1A1	2135.644	0.17856	0.157126	1.136414	0.255784	0.35244	2322.84	1498.814	2191.554	2319.18	2068.52	2412.956
16292	DDX55	1195.058	0.178171	0.110766	1.608535	0.107718	0.175773	1115.072	1199.927	1047.076	1287.937	1279.188	1241.15
24371	CUNH4orf	26.57414	0.178164	0.507667	0.350947	0.725628	0.791536	20.59928	29.01283	24.3506	29.01765	36.36488	20.09959
18250	ATP5MC3	4883.809	0.178041	0.137694	1.293015	0.196006	0.285524	5184.514	3642.478	4925.778	5069.16	4793.747	5687.179
23574	LOC119622	58.83816	0.177778	0.375729	0.473156	0.636102	0.717348	65.05036	44.88777	54.26705	58.0353	85.56443	45.22408
15452	DYNLRB1	4538.412	0.177713	0.101482	1.751179	0.079915	0.13746	3976.746	4737.849	4064.463	4805.769	4708.183	4937.464
13769	TMEM50A	3893.944	0.177555	0.086495	2.052782	0.040094	0.077411	3681.309	3663.28	3617.107	4325.862	4012.972	4063.132
17674	GGT7	3742.167	0.177349	0.1276	1.389885	0.164564	0.247535	3881.338	3072.075	3590.67	3830.33	3538.089	4540.497
25982	TAS2R5	1.631586	0.177165	1.947766	0.090958	0.927526	0.949052	2.168345	1.642235	0.695731	0	4.278221	1.004979
15368	ADARB1	2830.869	0.17707	0.100256	1.76617	0.077367	0.133837	2698.506	2797.274	2480.282	2955.336	2859.991	3193.825
22522	LOC119622	89.99477	0.177046	0.278	0.636855	0.52422	0.618783	96.49137	79.92212	76.53045	100.4457	94.12087	92.45811
21938	FIGNL2	146.2938	0.177045	0.240076	0.737456	0.460845	0.558438	124.6799	133.5685	151.6694	156.2489	183.9635	127.6324
16293	PQBP1	1430.062	0.176991	0.110042	1.608394	0.107749	0.175801	1306.428	1388.236	1338.587	1439.722	1448.178	1659.221
24118	LOC												



16152	VGLL4	1543.501	0.176475	0.107795	1.637131	0.101603	0.167231	1522.721	1405.206	1422.075	1700.881	1501.656	1708.465
21604	LOC119618	151.2803	0.176443	0.223379	0.789883	0.429596	0.528643	157.7471	141.2322	125.9274	165.1774	166.8506	150.7469
25332	LOC10323	7.922533	0.176117	0.906709	0.194237	0.84599	0.887835	7.047123	8.758589	6.261582	4.464254	14.97377	6.029877
23141	LOC11962	75.42146	0.17578	0.326669	0.538098	0.590509	0.678378	82.39713	50.9093	78.61764	84.82083	83.42532	72.35852
20737	GPLD1	208.3704	0.175754	0.192671	0.912196	0.361666	0.463658	209.7874	195.426	180.1944	229.9091	228.8848	206.0208
24492	AK9	26.35284	0.175751	0.528962	0.332256	0.739696	0.802908	18.43094	26.27577	28.52499	35.71403	32.08666	17.08465
18236	LOC10323	1515.752	0.175685	0.135737	1.294308	0.195559	0.285047	1556.33	1241.53	1479.125	1513.382	1461.013	1843.132
16590	APEH	3981.711	0.175663	0.112686	1.558868	0.119028	0.190738	3985.961	3501.246	3739.556	4017.829	3858.956	4786.717
16108	IMPA2	1469.208	0.175464	0.106752	1.64366	0.100247	0.165449	1386.657	1424.366	1333.717	1475.436	1518.769	1676.306
16770	PKIG	1229.352	0.175281	0.114542	1.530268	0.12595	0.199665	1143.26	1201.022	1119.432	1421.865	1185.067	1305.468
16091	PDXK	3070.33	0.175246	0.10636	1.647664	0.099422	0.164261	3033.515	2700.93	2924.855	3120.514	3050.372	3591.797
15771	TNP02	6613.665	0.174951	0.102495	1.706929	0.087835	0.148063	6400.956	5942.703	6304.022	6839.237	6387.384	7807.685
15255	NDUFA12	2440.122	0.174929	0.097859	1.787565	0.073846	0.128692	2280.557	2223.587	2368.965	2566.946	2761.592	2439.085
22808	LOC10323	91.20787	0.174776	0.295507	0.591445	0.554222	0.646001	95.4072	80.46954	79.31338	93.74933	121.9293	76.37844
23651	BTBD19	46.78186	0.17474	0.378573	0.461574	0.644387	0.724254	47.16151	46.53	38.96096	49.10679	40.6431	58.28881
25879	TRNAW-CC	2.632617	0.174659	1.640876	0.106443	0.915231	0.940163	1.626259	2.737059	2.782925	2.232127	6.417332	0
15596	COPG1	10370.76	0.174589	0.100912	1.730101	0.083612	0.142526	9511.447	10387.14	9340.889	10640.55	10184.31	12160.25
18038	ADCY6	3287.446	0.17451	0.130557	1.336656	0.181335	0.267228	3475.316	2675.202	3122.442	3316.941	3153.049	3981.729
16329	KDEL1	5740.602	0.174463	0.109057	1.599741	0.109656	0.178529	4942.201	6139.771	5101.102	6205.313	5784.155	6271.072
25051	LOC11962	13.64052	0.174354	0.734188	0.237479	0.812285	0.862026	15.7205	14.23271	7.653045	20.08914	17.11289	7.034856
16370	ZNF317	1489.791	0.174218	0.109295	1.594012	0.110933	0.180156	1393.704	1509.762	1298.235	1558.025	1535.881	1643.141
22588	LOC11962	85.65467	0.174198	0.278221	0.626113	0.531241	0.625245	81.85504	78.8273	80.00911	89.28508	100.5382	83.4133
17667	IQGAP1	44246.74	0.174017	0.125008	1.392043	0.163909	0.246648	36911.2	50092.56	37743.43	45780.92	44756.61	50195.71
24701	LOC11962	19.97899	0.173959	0.581978	0.298909	0.765009	0.823358	23.8518	13.13788	19.48048	15.62489	25.66933	22.10955
23504	TRNAI-AAL	74.31388	0.173939	0.359712	0.483551	0.628705	0.711118	72.63957	44.88777	91.14081	93.74933	79.14709	64.31869
24037	LOC11962	41.47973	0.173924	0.433581	0.401134	0.688322	0.761254	41.74065	30.10765	43.83108	60.26743	42.78221	30.14938
17654	OST4	3951.098	0.173793	0.124552	1.395346	0.162912	0.245327	3325.158	4400.644	3411.171	4232.113	4380.899	3956.604
18951	MDH1	5009.39	0.173638	0.145402	1.19419	0.232404	0.326012	5414.901	3546.134	5165.11	5381.658	5114.614	5433.924
23924	OA23	37.00133	0.173533	0.413774	0.41939	0.674931	0.750001	36.86187	37.224	29.91645	40.17829	40.6431	37.18424
18274	CTTNBP2N	2163.09	0.173513	0.134606	1.289042	0.197383	0.287153	1785.633	2462.806	1851.341	2279.002	2263.179	2336.577
22027	LOC10323	146.5194	0.173372	0.240353	0.721323	0.470711	0.568114	131.727	164.771	117.5786	154.0168	141.1813	169.8415
17117	STX8	992.9493	0.173259	0.117184	1.478518	0.139269	0.216304	930.7623	890.0916	978.894	988.8323	1138.007	1031.109
24778	NMUR1	20.64495	0.173155	0.605839	0.28581	0.775024	0.831574	16.80468	20.80165	19.48048	26.78552	29.94755	10.04979
17534	TPST1	1308.913	0.173005	0.122592	1.411217	0.158181	0.239833	1329.196	1078.949	1285.712	1408.472	1306.997	1444.155
18229	VPS37C	503.1299	0.172866	0.1334	1.295849	0.195028	0.284426	488.9619	470.7742	458.487	540.1747	534.7777	525.6043
16011	MRPL49	3275.011	0.172858	0.103967	1.662631	0.096386	0.160044	2963.586	3403.807	2871.283	3511.136	3313.482	3586.772
18516	ZNF513	757.5811	0.172799	0.1384	1.248547	0.211831	0.304143	743.2004	668.9372	725.6478	895.0829	684.5154	828.1031
16516	VOPP1	3167.988	0.172758	0.109869	1.572398	0.115858	0.186492	3189.094	2796.18	2957.554	3109.353	3217.222	3738.524
17647	PIP4P2	644.8936	0.17267	0.123583	1.397198	0.162354	0.244584	600.0896	627.8814	589.9802	703.12	675.959	672.3313
15922	PTER	1371.546	0.172482	0.102624	1.680717	0.092818	0.154978	1237.583	1342.801	1287.103	1482.132	1454.995	1425.061
25261	LOC11962	9.048633	0.172337	0.837819	0.205697	0.837027	0.880898	5.96295	12.04306	7.653045	11.16063	6.417332	11.05477
23849	LOC11962	41.92614	0.172058	0.399762	0.4304	0.666905	0.743413	42.82482	39.96106	34.78657	40.17829	55.61688	38.18922
17045	SPATS2L	5536.359	0.172053	0.115705	1.487003	0.137014	0.2137	4854.926	6045.616	4721.233	5861.565	5587.357	6147.459
23648	PSPN	46.00811	0.171937	0.372244	0.461894	0.644157	0.724173	44.45108	41.05589	43.83108	46.87467	55.61688	44.2191
20256	BICRAL	675.2381	0.171578	0.173879	0.986765	0.323758	0.424934	567.5644	794.842	545.4534	642.8526	703.7674	796.9487
12523	YWHAQ	23393.82	0.171522	0.074668	2.29711	0.021612	0.045881	22062.37	22072.74	21877.27	24810.09	25117.44	24423.01
19923	RAB40B	376.6766	0.171414	0.164244	1.043653	0.296646	0.395841	358.8612	396.8736	306.1218	406.2471	400.0137	391.942
21947	SPA17	209.5824	0.171243	0.23246	0.736655	0.461332	0.558824	163.7101	247.9776	177.4115	236.6055	243.8586	187.9312
23277	LOC11961	74.24038	0.171241	0.331256	0.516945	0.605194	0.691171	85.64965	52.55153	72.35606	78.12444	66.31243	90.44815
21601	LOC10322	156.8303	0.17115	0.216534	0.790406	0.429291	0.528341	156.663	141.7797	145.4079	169.6417	147.5986	179.8913
19141	CUNH2orf	534.6523	0.171087	0.147155	1.162634	0.244978	0.340251	499.2615	558.3601	453.6169	540.1747	545.4732	611.0275
25046	LOC10323	13.29214	0.171086	0.718208	0.238213	0.811716	0.861593	8.131296	15.32753	13.91463	8.928508	21.39111	12.05975
17666	LSM10	1578.278	0.171062	0.122871	1.392201	0.163861	0.24659	1531.394	1290.797	1634.273	1732.131	1561.551	1719.52
18292	SMAD1	783.54	0.170976	0.133091	1.284651	0.198914	0.28908	724.2274	826.5918	658.8576	850.4404	832.114	809.0085
17943	IFF4	9178.317	0.170962	0.126396	1.352593	0.176186	0.261043	7711.179	10422.17	7774.102	9386.094	9510.486	10265.87
16310	AFT172	1580.559	0.170858	0.106507	1.604202	0.10867	0.17713	1434.903	1594.611	1434.598	1591.507	1677.063	1750.674
19773	ATXN7L2	328.3167	0.170781	0.161526	1.057299	0.290375	0.390394	310.0734	297.2446	322.1236	319.1942	344.3968	376.8673
15043	ARL4C	7845.031	0.170434	0.093362	1.825512	0.067924	0.12004	7674.859	7300.284	7178.556	8066.907	7824.867	9024.716
18917	ZNF846	529.6501	0.170353	0.141896	1.200546	0.229927	0.323128	551.8439	455.4466	487.7077	566.9603	556.1688	559.7736
22878	LOC10322	78.12901	0.170323	0.292448	0.582407	0.560293	0.651097	69.92914	82.11177	68.18167	82.5887	85.56443	80.39836
24595	LOC11962	22.29367	0.170147	0.536694	0.317029	0.751222	0.812004	21.14137	24.08612	17.39328	20.08914	29.94755	21.10457
26007	PITX3	1.989197	0.169926	1.983133	0.085685	0.931716	0.952424	2.168345	0	3.478657	0	4.278221	2.009959
14923	CSNK1G1	2723.146	0.169877	0.091826	1.849985	0.064316	0.114577	2557.021	2662.064	2472.629	2823.641	2840.739	2982.779
21325	PCDHB14	483.6653	0.169841	0.205008	0.828463	0.407408	0.507899	365.3662	616.9331	383.348	508.925	504.8301	522.5893
20718	VKORC1L1	272.2105	0.169837	0.185406	0.916025	0.359654	0.461502	253.6964	289.5808	224.7212	314.7299	263.1106	287.4241
22212	LOC10323	130.9522	0.169654	0.245702	0.690484	0.48989	0.586337	108.9594	146.159	115.4914	129.4634	136.9031	148.737
19093	FAM43A	820.5848	0.169538	0.144769	1.171093	0.241561	0.336349	667.3083	895.5657	756.9557	828.1191	844.9487	930.611
19193	CCDC91	1385.437	0.169512	0.146774	1.154919	0.248123	0.343686	1116.698	1606.654	1188.309	1493.293	1452.456	1455.21
19037	URM1	999.6155	0.169235	0.143593	1.178573	0.238568	0.333169	1046.227	817.2858	964.9794	991.0644	971.1562	1206.98
19787	LRRC3B												



17136	CD151	9126.969	0.168958	0.114578	1.474608	0.140318	0.217691	9390.02	7466.697	8928.321	9520.022	8894.422	10562.33
20100	LOC103222	285.7026	0.168806	0.166706	1.0126	0.311251	0.411672	274.8378	280.8223	251.8548	292.4086	303.7537	310.5387
24624	ARHGEF33	26.70031	0.168785	0.541191	0.311876	0.755134	0.815272	21.68345	24.63353	27.82925	33.4819	38.50399	14.06971
20444	ZNF483	392.2811	0.168583	0.176445	0.95544	0.339355	0.441291	313.3259	419.3174	375.6949	363.8367	468.4652	413.0466
19777	GFOD2	596.4651	0.168493	0.15946	1.056646	0.290673	0.390734	638.5777	463.1104	585.8058	620.5313	590.3945	680.3711
21636	LOC119622	187.0938	0.16847	0.214824	0.784223	0.432909	0.531932	172.9256	160.3917	192.7176	223.2127	207.4937	165.8216
18051	BRF1	1353.609	0.168315	0.126149	1.334252	0.182121	0.268223	1360.627	1165.44	1317.715	1433.026	1274.91	1599.927
25583	LOC103222	5.953748	0.168136	1.092285	0.153931	0.877664	0.912014	2.710432	7.663765	6.261582	2.232127	12.83466	4.019918
22712	PIFO	105.2617	0.167796	0.276405	0.607067	0.543806	0.63654	89.98634	105.6505	99.48959	120.5349	130.4858	85.42325
16625	DGCR2	3560.65	0.167657	0.107913	1.553631	0.120272	0.192327	3489.41	3177.726	3402.126	3714.259	3392.63	4187.749
18837	CCDC12	851.3543	0.167555	0.138127	1.213045	0.225113	0.317706	748.6213	933.3371	722.8649	895.0829	919.8176	888.4019
26093	LOC119622	1.307226	0.167539	2.329306	0.071926	0.942661	0.960435	1.626259	0.547412	1.391463	0	4.278221	0
19626	ZNF551	488.9108	0.167506	0.154879	1.081526	0.279463	0.378556	453.1842	518.9464	411.873	502.2286	483.439	563.7935
24906	NKX2-2	19.02435	0.167345	0.635117	0.263488	0.792175	0.845578	13.55216	19.70683	19.48048	24.5534	27.80844	9.044815
24515	LOC119618	30.39556	0.167338	0.509493	0.328441	0.742579	0.80526	34.15144	18.612	34.09084	20.08914	34.22577	41.20416
18125	BRWD3	1410.748	0.167332	0.127077	1.316782	0.187912	0.275621	1258.725	1533.848	1195.962	1421.865	1497.377	1556.713
16932	STAG2	7983.809	0.167313	0.111398	1.501941	0.133112	0.209	6886.665	8708.227	6970.533	8220.924	8417.4	8699.102
17423	ARHGEF9	1463.213	0.167176	0.117276	1.425486	0.154017	0.235008	1266.314	1551.365	1317.715	1571.417	1518.769	1553.698
24751	LOC103222	22.91088	0.167158	0.578466	0.288968	0.772606	0.82975	26.02015	18.612	19.48048	15.62489	40.6431	17.08465
24285	LOC103215	29.46148	0.16707	0.458697	0.364229	0.715687	0.783405	27.6464	29.01283	26.43779	35.71403	27.80844	30.14938
22483	PIH1D2	106.2401	0.166698	0.260311	0.641463	0.521222	0.616319	93.78094	95.79707	112.0128	113.8385	98.39909	123.6125
18144	GARNL3	622.037	0.166688	0.127049	1.313511	0.189011	0.276943	587.0795	595.0366	578.1528	611.6028	675.959	684.391
19699	RECK	443.7469	0.166859	0.155943	1.069999	0.28462	0.384112	443.4267	422.6019	392.3925	433.0326	436.3786	534.6491
16978	RPUSD3	1316.382	0.166806	0.111492	1.496122	0.134622	0.210785	1244.63	1232.771	1247.446	1439.722	1251.38	1482.345
18318	REST	3006.862	0.16679	0.130336	1.279701	0.20065	0.291205	2570.031	3413.66	2517.156	3093.728	3140.214	3306.382
24759	ADAMTS18	23.26927	0.16665	0.577383	0.288631	0.772864	0.829863	25.47806	19.15941	20.17621	20.08914	40.6431	14.06971
25372	LOC119622	8.099918	0.166523	0.89511	0.186037	0.852416	0.893169	6.505036	5.474118	11.1317	11.16063	4.278221	10.04979
16769	ANTXR2	2445.173	0.166454	0.108773	1.530292	0.125944	0.199665	2154.793	2570.646	2189.467	2575.875	2489.925	2690.33
14596	ANO10	4269.206	0.166205	0.087151	1.907093	0.056509	0.102924	4154.008	4038.257	3881.485	4462.022	4402.29	4677.174
20709	ANKRD6	370.1301	0.16619	0.18094	0.918482	0.358367	0.46005	306.8209	408.9166	333.9511	352.6761	372.2053	446.2109
23356	LOC103214	65.03923	0.166134	0.328787	0.505294	0.613352	0.698149	59.08741	67.33165	57.04997	84.82083	55.61688	66.32864
23087	LOC119622	78.94078	0.166097	0.302723	0.548677	0.583227	0.671594	84.56547	60.2153	78.61764	78.12444	87.70354	84.41828
21898	UBALD1	186.5033	0.165953	0.222889	0.744558	0.456539	0.554256	157.7471	211.301	160.0182	176.338	192.52	221.0955
18417	TTC39C	639.2767	0.165907	0.131474	1.261897	0.206986	0.298785	617.4364	552.8859	639.3771	676.3345	648.1505	701.4757
22766	LOC119623	100.5264	0.165854	0.276889	0.598991	0.549179	0.641304	105.1648	77.18507	102.9682	107.1421	94.12087	116.5776
15988	TSPAN5	3237.452	0.165816	0.099406	1.668062	0.095303	0.158471	3077.966	3099.446	2984.688	3281.227	3225.779	3755.608
19287	LOC119618	499.0995	0.165745	0.145693	1.137631	0.255275	0.351868	440.1741	520.0412	449.4425	517.8535	562.5861	504.4997
20957	LOC119624	213.705	0.165697	0.18738	0.884284	0.376543	0.477664	197.8615	215.1328	190.6304	223.2127	235.3022	220.0905
14958	PSMC2	4969.015	0.165653	0.089845	1.843759	0.065218	0.115913	4813.727	4501.367	4740.714	5354.873	4941.346	5462.063
20426	EEA1	4686.403	0.165437	0.172733	0.95776	0.338184	0.44015	3605.416	6041.784	3606.671	4774.52	5044.023	5046.002
21578	WDR97	310.7847	0.16533	0.208717	0.792124	0.428288	0.527669	329.5885	213.4906	336.734	337.0512	310.171	337.6731
18922	MACO1	1476.31	0.165158	0.137686	1.199527	0.230323	0.323564	1245.714	1670.153	1261.361	1535.703	1503.795	1641.131
23236	POLR2L	4212.199	0.165105	0.315431	0.523427	0.600677	0.687252	4554.61	2421.202	4938.997	4667.378	4077.145	4613.861
19569	IRF5	647.7701	0.165093	0.151618	1.088879	0.276207	0.375235	660.8033	547.9592	627.5497	698.6557	581.8381	769.8143
23473	LOC119615	82.68734	0.165058	0.337865	0.488533	0.625172	0.708026	85.64965	58.02565	92.53227	75.89232	68.45154	115.5726
17547	RAB18	5001.306	0.164795	0.116961	1.408969	0.158844	0.240661	4294.408	5525.027	4327.449	5191.927	5429.063	5239.963
14956	PXN	7830.455	0.164623	0.089269	1.844128	0.065165	0.115833	7352.86	7506.111	7300.309	8180.745	7760.693	8882.009
15839	TXNDC9	1973.655	0.164539	0.097219	1.692453	0.09056	0.151982	1868.03	1824.524	1887.519	2075.878	2201.145	1984.834
17553	CEP350	6060.267	0.164495	0.116948	1.406567	0.159556	0.241656	5392.675	6613.83	5142.151	6292.366	6051.544	6869.035
16795	ALG2	1646.16	0.164302	0.107609	1.526841	0.126801	0.200714	1670.71	1444.62	1545.219	1678.559	1719.845	1818.008
23059	LOC103222	110.7935	0.164217	0.297316	0.552333	0.58072	0.669504	76.97626	140.6848	95.3152	118.3027	121.9293	111.5527
21668	ZSCAN22	281.3143	0.164199	0.21028	0.78086	0.434885	0.533529	237.9759	316.9514	244.2017	292.4086	239.5804	356.7677
24724	LOC103233	21.81658	0.164078	0.55601	0.295099	0.767918	0.82572	20.0572	18.06459	22.95914	33.4819	19.252	17.08465
18156	ETFDH	1071.646	0.164026	0.125078	1.311393	0.189725	0.277805	992.5601	1113.983	926.0185	1203.116	1037.469	1156.731
17544	PP1F	2027.797	0.163745	0.116208	1.409069	0.158815	0.240643	2074.022	1688.765	1979.356	2140.61	2010.764	2273.264
26101	LOC103222	1.309091	0.163737	2.329014	0.070303	0.943952	0.961456	0.542086	1.642235	1.391463	0	4.278221	0
16833	CTS2	4438.486	0.163491	0.107621	1.519127	0.128731	0.203309	3937.715	4716.5	3910.706	4564.7	4547.749	4953.544
19469	GDF7	394.7796	0.16346	0.147886	1.105312	0.269025	0.367335	378.9184	354.7229	385.4352	397.3186	417.1266	435.1561
19540	DOK1	885.7451	0.163359	0.149582	1.092099	0.27479	0.373863	887.9375	739.0059	885.666	921.8684	793.6101	1086.383
18520	ZNF658	746.8956	0.163287	0.130852	1.247879	0.212076	0.304429	698.2072	767.4714	649.8131	727.6734	817.1403	821.0682
15681	CWC15	2723.064	0.16318	0.094844	1.720502	0.085341	0.144684	2486.55	2607.322	2608.993	2910.694	3020.424	2704.4
16823	MSANTD3	2844.153	0.163092	0.107232	1.520928	0.128278	0.202715	2524.496	3006.933	2517.852	2959.8	3093.154	2962.679
17560	FAM98C	1113.045	0.16308	0.116016	1.405663	0.159824	0.241966	1029.964	1116.173	1008.81	1118.296	1133.729	1271.299
24571	LOC119622	24.7299	0.163056	0.508348	0.320757	0.748394	0.809752	25.47806	25.18094	18.78475	29.01765	27.80844	22.10955
16200	MRPL34	1406.397	0.163036	0.100213	1.626897	0.103759	0.170274	1302.091	1336.78	1342.066	1533.471	1439.621	1484.355
21032	JHY	651.4357	0.162928	0.186092	0.875526	0.381288	0.481958	499.8036	810.1695	533.626	691.9594	686.6545	686.401
17635	SHOC2	2619.395	0.162732	0.116181	1.400675	0.161311	0.243179	2225.807	2844.352	2344.615	2774.534	2774.427	2752.639
16387	GIGYF1	3323.464	0.162709	0.102297	1.590557	0.111709	0.181228	3172.832	2926.464	3315.856	3437.476	3296.37	3791.788
17822	EZH1	1617.222	0.162671	0.118441	1.373432	0.169618	0.253018	1458.212	1688.218	1436.685	1600.435	1653.533	1866.247
18453	RBM6	2949.112	0.162664	0.129464	1.256448	0.208954	0.301037	2658.934	3316.				



23224	HEXIM2	91.58726	0.162135	0.308184	0.526099	0.59882	0.685481	95.94929	71.16354	93.92374	66.96381	106.9555	114.5677
16867	RPS6KA6	1610.846	0.162119	0.107233	1.511842	0.130574	0.205805	1452.791	1657.563	1449.208	1741.059	1694.176	1670.276
18863	SIRT1	1256.223	0.1621	0.133938	1.210265	0.226177	0.318768	1108.567	1394.258	1054.033	1366.062	1272.771	1341.648
19617	GCH1	586.1686	0.162074	0.149603	1.083363	0.278647	0.377623	594.6687	484.4595	580.24	564.7281	690.9327	601.9827
20867	CNOT4	1187.818	0.162044	0.180873	0.895899	0.370307	0.471801	912.8734	1503.193	946.8904	1178.563	1341.222	1244.165
16911	AQR	7667.468	0.162015	0.107693	1.504417	0.132474	0.208232	6739.76	8204.061	6771.553	8026.729	7692.242	8570.465
18086	PIAS4	1170.4	0.161849	0.122168	1.324808	0.185235	0.272281	1060.863	1155.586	1103.43	1234.366	1097.364	1070.792
16655	ZNF592	1562.267	0.161836	0.104606	1.547099	0.121839	0.194471	1451.707	1523.447	1454.079	1598.203	1574.385	1771.779
19136	TUBGCP6	1843.16	0.161797	0.139071	1.163413	0.244662	0.339901	1892.966	1494.434	1838.818	1868.29	1711.289	2253.164
21820	ZSCAN23	198.4457	0.161701	0.213544	0.757228	0.448913	0.546946	209.2453	162.0339	192.7176	176.338	218.1893	232.1503
20376	LOC119627	285.2613	0.161605	0.167386	0.965464	0.334312	0.436184	281.3428	272.6111	253.2462	290.1765	318.7275	295.464
21081	HOOK2	258.9991	0.161577	0.186096	0.868246	0.38526	0.485846	246.1072	219.5121	269.9438	281.248	241.7195	295.464
22849	LOC103231	129.7443	0.16116	0.27536	0.585269	0.558367	0.649629	107.3331	150.5382	108.5341	176.338	109.0946	126.6274
24459	LOC103247	34.79055	0.161129	0.478365	0.336831	0.736244	0.800255	48.78777	22.9913	26.43779	35.71403	40.6431	34.1693
25543	LOC119627	7.745895	0.160949	1.014775	0.158606	0.873979	0.909597	2.168345	8.211177	11.1317	13.39276	8.556443	3.014938
16263	DOCK9	3637.826	0.160871	0.099625	1.614764	0.106362	0.173869	3455.801	3560.366	3296.375	3647.295	3664.297	4202.824
17388	KCTD5	1103.305	0.160812	0.112381	1.43095	0.152445	0.233077	1068.452	1068	992.8087	1107.135	1142.285	1241.15
22471	AKAP5	120.0295	0.16072	0.24923	0.644868	0.519013	0.614034	100.286	124.2625	114.0999	140.624	128.3466	112.5577
17259	LDLR	8543.699	0.160701	0.110301	1.45693	0.145136	0.22356	8573.096	7400.46	8239.547	8707.527	8184.237	10157.33
21101	ZNF155	242.3979	0.160649	0.185723	0.864996	0.387041	0.48763	226.05	254.5465	205.9365	267.8552	241.7195	258.2797
19188	ALG6	530.8224	0.160597	0.138901	1.156197	0.247601	0.343051	538.8339	492.1232	475.1845	551.3354	530.4994	596.9578
21290	ZNF684	249.9422	0.160521	0.192078	0.835707	0.40332	0.503626	255.3227	203.0898	248.3761	254.4625	295.1973	243.205
17677	C2CD2L	1082.219	0.160502	0.115503	1.389599	0.164651	0.24761	970.8767	1106.867	990.0257	1087.046	1163.676	1174.821
21115	CUNH16or	402.1222	0.160343	0.185805	0.862966	0.388156	0.488711	330.6727	475.7009	331.8639	444.1933	419.2657	411.0366
25198	LOC103234	12.96481	0.160338	0.746089	0.214904	0.829842	0.87552	10.29964	15.32753	10.43597	11.16063	23.53022	7.034856
20565	PAF1	2672.914	0.160319	0.170008	0.943006	0.345678	0.447515	2003.009	3381.91	2187.379	2921.854	2810.791	2732.539
23288	LOC103231	78.14246	0.1603	0.310998	0.515437	0.606248	0.692078	71.01331	65.14201	86.96642	66.96381	81.28621	97.48301
19242	ACSF3	1056.977	0.160118	0.139756	1.145698	0.25192	0.348048	1074.957	846.2987	1078.384	1073.653	1037.469	1231.1
25256	TRNAQ-UL	10.3797	0.16005	0.775333	0.206427	0.836457	0.880472	10.84173	6.568942	11.82743	11.16063	12.83466	9.044815
17261	NDUFA6	1335.401	0.159967	0.109812	1.456728	0.145192	0.223614	1190.422	1240.435	1351.11	1464.275	1422.509	1343.658
17944	ASB6	1298.651	0.159962	0.118298	1.352196	0.176313	0.261217	1286.913	1163.25	1236.315	1285.705	1294.162	1525.559
22892	LOC119615	88.87061	0.159919	0.275452	0.580569	0.561531	0.652119	79.6867	87.03848	84.1835	104.91	91.98176	85.42325
19517	ZNF182	759.5395	0.159849	0.145493	1.098669	0.271912	0.370384	648.3353	834.2556	669.9893	736.6019	862.0616	805.9935
17896	ASF1B	1321.118	0.15973	0.117272	1.362044	0.173184	0.25727	1272.277	1264.521	1213.356	1366.062	1257.797	1552.693
17397	SELENON	5164.127	0.159675	0.111675	1.429827	0.152767	0.233448	4505.822	5456.054	4679.489	5314.694	5061.136	5967.568
18360	JCAD	1359.836	0.159649	0.125512	1.271981	0.20338	0.294491	1273.361	1392.616	1193.875	1303.562	1377.587	1618.017
17241	DOP1B	1766.549	0.159469	0.10921	1.460208	0.144233	0.222402	1721.124	1630.192	1662.102	1821.416	1711.289	2053.173
25141	TRNAK-UU	13.47506	0.159364	0.710906	0.22417	0.822625	0.869874	14.63633	7.116354	16.69755	15.62489	10.69555	16.07967
22358	TMEM182	131.6936	0.159223	0.239189	0.665678	0.505617	0.601209	121.9694	112.2194	139.1463	124.9991	156.1551	135.6722
24057	AKAP14	40.64485	0.159179	0.40133	0.39663	0.691641	0.764321	34.69353	42.69812	37.56949	51.33892	36.36488	41.20416
17306	RILPL2	1017.551	0.159063	0.109863	1.447821	0.147667	0.226842	964.9137	971.1086	949.6733	1109.367	1011.799	1098.443
23335	LOC103216	101.182	0.159025	0.312591	0.508733	0.610939	0.696028	114.9223	69.5213	100.881	100.4457	136.9031	84.41828
13858	LOC103218	14617.19	0.1589	0.077978	2.037768	0.041573	0.079753	13969.02	13454.29	14014.81	15796.76	15168.43	15299.81
19108	LYSMD1	550.5774	0.158537	0.135778	1.167617	0.242961	0.338033	507.9349	541.3903	508.5796	629.4598	575.4208	540.679
24032	BMP6	43.20811	0.15851	0.394388	0.401915	0.687747	0.760809	42.82482	45.43518	33.39511	51.33892	47.06043	39.1942
19283	ELAC1	502.8472	0.158384	0.139084	1.138771	0.254799	0.351285	479.7464	459.8259	484.9248	502.2286	581.8381	508.5196
25241	LOC119627	10.40652	0.158179	0.757973	0.208686	0.834693	0.879138	9.757555	10.94824	9.044508	8.928508	10.69555	13.06473
17643	SLX4	858.8487	0.158109	0.113031	1.398808	0.16187	0.243911	835.8972	810.1695	788.2636	912.9399	913.4003	892.4218
21313	FLYWCH1	875.5202	0.157904	0.190001	0.831073	0.405932	0.506344	1025.085	584.0884	875.2301	970.9752	812.8621	984.8799
19208	POLR3D	810.9813	0.157766	0.136965	1.151867	0.249376	0.34515	727.4799	878.0485	692.9484	832.5834	902.7047	832.1293
24278	LOC119627	39.22619	0.157607	0.431686	0.365097	0.715039	0.782985	46.07734	33.39212	30.61218	51.33892	42.78221	31.15436
25619	LOC119627	6.022539	0.157588	1.066404	0.147775	0.88252	0.915797	7.047123	6.02153	3.478657	11.16063	6.417332	2.009959
20026	HGD	584.5295	0.157567	0.153996	1.023187	0.306219	0.406514	615.268	462.0156	582.3272	620.5313	581.8381	645.1968
18687	STON1	956.9623	0.157486	0.127952	1.230821	0.21839	0.310692	874.3853	984.7939	859.924	928.5648	977.5736	1116.532
23497	LOC119627	63.15319	0.157374	0.324359	0.485184	0.627546	0.710018	64.50828	52.00412	62.61582	71.42806	62.03421	66.32864
17249	THTPA	1990.032	0.157307	0.1079	1.457893	0.14487	0.223281	1742.808	2035.277	1866.647	1742.502	1976.538	2102.417
24004	LOC103234	46.91626	0.15721	0.386936	0.406295	0.684526	0.758181	40.65648	43.79295	47.30973	55.80317	57.75599	36.17926
22383	GTPBP3	155.2931	0.156896	0.237402	0.660889	0.508683	0.60418	172.9256	119.8832	146.7993	160.7131	179.6853	151.7519
25232	LOC119621	12.47215	0.156867	0.746667	0.21009	0.833598	0.878297	16.26259	6.568942	12.52316	17.85702	8.556443	13.06473
17357	BTBD9	1670.155	0.156732	0.108981	1.438153	0.150391	0.230347	1662.579	1488.96	1591.833	1747.755	1636.42	1893.381
19281	ZNF234	813.4988	0.156665	0.137527	1.139158	0.254637	0.351103	776.8098	865.4581	664.4235	892.8508	834.2532	847.1977
24598	LOC103247	30.80682	0.156635	0.494587	0.316699	0.751472	0.812175	28.18849	27.918	29.91645	37.94616	42.78221	18.08963
23762	TMEM240	67.56466	0.156626	0.353141	0.443521	0.657389	0.735509	58.54533	47.07742	86.96642	66.96381	68.45154	77.38342
25056	LOC119627	15.19761	0.156462	0.6602	0.236991	0.812664	0.862255	15.17842	12.04306	16.00182	22.32127	8.556443	17.08465
17996	TCTN1	2176.429	0.156437	0.116432	1.343588	0.179082	0.264538	1955.848	2352.229	1867.343	2332.573	2231.092	2319.493
25202	LOC103231	13.66904	0.156311	0.728586	0.214541	0.830125	0.875679	20.0572	9.306001	9.044508	11.16063	21.39111	11.05477
18868	EPS15L1	1059.908	0.156216	0.129197	1.209133	0.226612	0.319296	896.0688	1106.319	1007.419	1013.386	1176.511	1159.746
22521	HERC6	125.6563	0.156178	0.245125	0.637133	0.524038	0.618603	117.0907	102.366	137.0591	136.1597	132.6249	128.6374
16892	RGS10	1176.259	0.156151	0.103545	1.508042	0.131544	0.207027	1127.54	1086.612	1124.998	1236.598	1223.571	1258.234
17355	P4HA1	2680.598	0.156094	0.108508	1.438553	0.150277</							



16950	LOC103221	8155.332	0.155743	0.103857	1.499594	0.13372	0.209731	7336.597	8663.887	7149.336	8296.816	8434.513	9050.845
19129	PEA15	5306.794	0.155686	0.133707	1.164385	0.244268	0.339477	4456.492	6175.353	4430.417	5696.388	5379.863	5702.254
23972	LOC119621	57.19545	0.155574	0.378371	0.411167	0.68095	0.755175	40.11439	64.59459	56.35424	78.12444	57.75599	46.22906
17558	ATG13	2363.999	0.155527	0.110618	1.40599	0.159727	0.241847	2272.968	2230.703	2211.73	2573.642	2175.476	2719.474
25824	LOC119621	3.66666	0.155479	1.334636	0.116495	0.90726	0.933996	3.794605	3.284471	3.478657	0	6.417332	5.024897
23566	LOC103221	64.20754	0.155446	0.327489	0.47466	0.63503	0.716352	63.42411	55.28859	62.61582	82.5887	62.03421	59.29379
20377	MPST	123.031	0.155365	0.160942	0.965352	0.334369	0.436236	1204.516	809.0747	1176.482	1205.349	1084.529	1258.234
25975	TRNAP-CG	2.338277	0.155211	1.688238	0.091936	0.926749	0.948539	2.710432	0.547412	3.478657	0	4.278221	3.014938
24548	NLRP10	34.12904	0.155165	0.47956	0.323557	0.746274	0.8082	24.39389	46.53	25.74206	29.01765	44.92132	34.1693
17304	RTCA	1578.864	0.15512	0.107132	1.447932	0.147636	0.226808	1586.145	1443.525	1456.861	1622.756	1585.081	1778.814
18995	MOC51	694.4731	0.155007	0.130688	1.186083	0.23559	0.329726	712.3015	633.9029	628.2454	687.4951	723.0194	781.874
17339	GLB1L2	2456.924	0.154813	0.107411	1.441322	0.149494	0.229211	2430.173	2235.082	2317.481	2502.214	2389.387	2867.206
16772	UNC119	1612.319	0.154788	0.101117	1.529975	0.126023	0.199757	1561.751	1484.033	1531.305	1620.524	1798.992	1677.311
25529	LOC103231	10.43153	0.154697	0.962686	0.160693	0.872335	0.908419	5.420864	13.6853	9.740239	15.62489	17.11289	1.004979
22266	SMAD6	136.4584	0.154537	0.227443	0.679455	0.49685	0.593198	137.1479	118.241	132.189	149.5525	136.9031	144.717
16234	LDAH	2342.13	0.154434	0.095292	1.620636	0.105096	0.172106	2172.14	2324.858	2156.072	2366.055	2492.064	2541.593
19482	ZNF510	784.2769	0.154337	0.139861	1.103505	0.269808	0.368178	704.7123	856.6995	664.4235	801.3336	868.4789	810.0135
21465	SHANK3	235.9763	0.154329	0.19103	0.807875	0.419162	0.519144	201.114	213.4906	256.7249	245.534	241.7195	257.2747
19297	MAIP1	729.2848	0.154011	0.135544	1.13624	0.255856	0.352487	729.1062	604.3426	739.5624	732.1376	778.6363	791.9238
23776	LOC103221	65.78278	0.153984	0.349916	0.440058	0.659895	0.737767	76.43418	60.76271	48.00546	80.35657	74.86887	54.26889
17416	BEX3	4442.57	0.153852	0.107829	1.426807	0.153635	0.23452	3988.129	4753.177	3873.137	4691.931	4855.781	4493.263
15371	PPIB	16384.73	0.15368	0.087055	1.765329	0.077508	0.134055	15253.77	16579.46	14707.76	17223.09	16747.1	17797.18
17168	PHF1	1753.443	0.153502	0.104262	1.472228	0.140948	0.218262	1672.336	1733.106	1579.31	1823.648	1745.514	1966.745
25075	LOC119621	14.79949	0.153366	0.654673	0.234263	0.814781	0.863867	11.38381	12.04306	18.78475	13.39276	17.11289	16.07967
16368	TAOK2	3326.458	0.15333	0.096172	1.594336	0.110861	0.180069	3242.219	3098.351	3115.485	3415.154	3302.787	3784.753
25884	LOC119611	3.999804	0.153174	1.442185	0.10621	0.915416	0.940191	1.626259	6.568942	2.782925	4.464254	8.556443	0
25458	LOC103211	8.093387	0.153166	0.897875	0.170587	0.864548	0.902834	8.673382	9.306001	4.87012	13.39276	4.278221	8.039836
25623	CACNG4	7.034563	0.15306	1.042917	1.46761	0.88332	0.916484	5.420864	7.663765	6.261582	11.16063	10.69555	1.004979
20184	LOC103241	577.5471	0.153017	0.153055	0.999748	0.317433	0.41808	615.268	483.912	545.4534	564.7281	577.5599	678.3611
22309	LOC103221	254.9793	0.152924	0.2271	0.673377	0.500707	0.596636	300.3158	173.5295	249.7676	283.4801	269.5279	253.2548
18830	ZDHHC1	845.1033	0.152911	0.125947	1.214088	0.224714	0.317261	793.0724	807.4324	805.6569	881.6902	797.8883	984.8799
24803	LOC119621	21.14141	0.152869	0.545245	0.280367	0.779196	0.835178	17.34676	23.53871	18.78475	24.5534	23.53022	19.09461
19451	TPST2	482.0281	0.15275	0.137618	1.109961	0.267016	0.364949	440.1741	482.8172	446.6595	517.8535	494.1346	510.5296
17058	EGLN1	4095.229	0.152697	0.102745	1.486175	0.137233	0.213874	3796.773	4211.239	3632.413	4290.148	4027.855	4612.856
20497	ATP8A2	322.8809	0.152197	0.16065	0.947382	0.343444	0.445453	292.1846	328.9945	295.6858	334.819	352.9533	332.6482
16423	USP33	3966.691	0.152128	0.09593	1.585824	0.112779	0.182563	3783.763	4015.813	3475.178	4044.614	4190.518	4290.257
18675	DNM2	1708.954	0.151844	0.123288	1.231618	0.218092	0.310471	1409.967	1851.347	1596.008	1787.934	1807.549	1800.923
21783	LMBR1L	444.8829	0.151817	0.199228	0.762024	0.446046	0.544375	495.4669	331.1841	441.7894	450.8897	387.179	562.7885
24535	LOC119621	28.91854	0.151803	0.466887	0.325138	0.745076	0.807331	23.30971	30.10765	28.52499	33.4819	29.94755	28.13943
17192	NUMA1	15362.3	0.151801	0.103358	1.468687	0.141918	0.219435	14208.63	15568.94	13894.45	15792.3	14721.36	17988.13
23463	HK3	92.31106	0.151683	0.309068	0.490775	0.623586	0.706561	75.89209	90.87036	93.228	124.9991	100.5382	68.3386
23836	OLFM2	59.84023	0.151649	0.350767	0.432334	0.665498	0.742225	50.95612	71.16354	47.30973	71.42806	59.8951	58.28881
19099	SIAH2	1015.397	0.151321	0.129288	1.170416	0.241833	0.336622	911.7893	1091.539	885.666	1035.707	1031.051	1136.632
20675	PROSER2	400.4591	0.151287	0.163508	0.925258	0.354832	0.456261	388.6759	347.0591	403.5242	470.9788	359.3706	433.1462
20465	ZBTB3	424.3995	0.15125	0.158958	0.951514	0.341344	0.443422	428.7903	367.8607	413.2644	446.4254	393.5964	496.4599
18820	ZNF555	627.6713	0.151196	0.124433	1.215079	0.224336	0.316862	592.5004	585.1832	608.7649	640.6204	654.5679	684.391
25717	TLR10	5.358305	0.151172	1.142334	0.132336	0.894718	0.924917	3.252518	8.758589	2.782925	8.928508	6.417332	2.009959
18872	GSK3B	3829.292	0.151141	0.12507	1.208455	0.226872	0.319595	3367.983	4324.553	3194.798	3997.739	3938.103	4152.575
19634	FGD1	729.3389	0.151008	0.139848	1.079797	0.280233	0.379443	632.0727	775.1351	669.9893	741.0662	716.6021	841.1678
17694	ARAB14	3835.475	0.150839	0.108836	1.385926	0.16577	0.249067	3337.626	4029.498	3543.36	3881.669	3861.095	4359.601
16376	ABL6IP4	2039.742	0.15069	0.09463	1.592423	0.11129	0.180669	1888.629	1926.342	1988.4	2078.11	2136.972	2220
18742	EIF1AD	993.2581	0.150616	0.122883	1.225691	0.220315	0.312511	889.0216	1046.104	890.5362	1053.564	998.9647	1081.358
20340	RASSF7	690.3405	0.150511	0.155034	0.970822	0.331637	0.43346	709.049	533.1791	720.7777	781.2444	680.2372	717.5553
27040	TRNAV-UA	0.722879	0.150435	2.824184	0.053267	0.957519	NA	1.084173	0.547412	0.695731	0	0	2.009959
25192	LOC119621	14.11285	0.1504	0.696895	0.215814	0.829133	0.874945	18.43094	9.306001	11.82743	20.08914	14.97377	10.04979
24021	EIF5B	2013.036	0.150282	0.372426	0.403522	0.686564	0.759848	1282.034	2921.537	1521.565	1966.504	2111.302	2275.274
17258	FEN1	2111.844	0.150274	0.103141	1.456972	0.145124	0.223556	1988.373	2155.708	1863.864	2194.181	2160.502	2308.438
18302	ERN1	921.7805	0.15019	0.11719	1.28159	0.199987	0.290495	873.8432	918.557	831.399	975.4395	913.4003	1018.044
24509	LOC119621	30.55181	0.150177	0.455248	0.329878	0.741492	0.804289	28.18849	27.37059	31.30791	26.78552	38.50399	31.15436
16031	AGBL2	3114.637	0.150131	0.090411	1.660537	0.096806	0.160533	3002.074	2798.917	3058.435	3278.995	3245.031	3304.372
25753	LOC103221	4.989615	0.149889	1.179189	0.127112	0.898852	0.927891	8.131296	4.379295	1.391463	4.464254	8.556443	3.014938
16929	PBLD	2401.895	0.149762	0.099697	1.50217	0.133053	0.208944	2288.147	2437.625	2105.283	2511.143	2547.681	2521.493
18128	KDM5A	2426.322	0.149705	0.113736	1.316256	0.188088	0.275834	2216.049	2565.172	2124.068	2531.232	2380.83	2740.579
18166	ELAC2	2496.814	0.1497	0.114324	1.309432	0.190388	0.278623	2509.86	2256.431	2342.528	2604.892	2331.631	2935.545
17348	TSC1	3160.546	0.149656	0.103963	1.439509	0.150006	0.229878	2944.071	3201.264	2851.107	3180.781	3153.049	3633.001
25034	LOC119621	19.05783	0.149338	0.6218	0.240171	0.810198	0.860394	25.47806	13.13788	15.30609	13.39276	29.94755	17.08465
18369	ZNF574	928.7917	0.149038	0.117438	1.269072	0.204415	0.295845	854.8702	948.1173	841.1392	944.1897	975.4345	1008.999
24968	TMEM130	18.79639	0.148965	0.591134	0.251999	0.801042	0.852919	16.80468	21.34906	14.61036	24.5534	21.39111	14.06971
21321	NECAB3	657.2208	0.14894	0.179488	0.829809	0.406647	0.507045	702.0018	485.0069	685.9911	723.2091	573.2817	773.8342
24251	LOC119621	46.98731	0.1488	0.404113	0.368213	0.712715	0.781309	47.7036	35.58177	50.788			



21872	RIN3	308.1539	0.148532	0.198299	0.749031	0.453839	0.551632	300.8579	285.749	295.6858	270.0874	284.5017	412.0416
24287	LOC119621	46.89853	0.148467	0.407574	0.364269	0.715657	0.783405	43.909	41.05589	48.00546	33.4819	72.72976	42.20914
24743	LOC103241	25.95149	0.148458	0.510596	0.290754	0.77124	0.828655	19.51511	25.18094	28.52499	35.71403	25.66933	21.10457
25917	LOC119621	3.65369	0.148403	1.46437	0.101343	0.919278	0.942972	7.047123	2.737059	0.695731	0	6.417332	5.024897
21637	ZNF529	220.729	0.148306	0.189213	0.783802	0.433156	0.532212	217.3766	218.4173	194.1091	218.7484	222.4675	253.2548
20415	TAP1	945.2419	0.148144	0.154453	0.959157	0.33748	0.439494	1024.543	770.7558	899.5807	988.8323	847.0878	1140.652
18294	CUNH16or	1057.381	0.148056	0.115258	1.284562	0.198945	0.289109	998.5231	1039.535	976.1111	1078.117	1046.025	1205.975
18214	USP24	6185.575	0.147626	0.113645	1.299011	0.19394	0.28306	5580.779	6712.911	5318.171	6330.312	6175.612	6995.662
18799	VTI1B	3086.044	0.147616	0.121182	1.218136	0.223172	0.31559	2715.853	3441.578	2626.386	3207.566	3304.926	3219.954
18025	MTMR9	1385.969	0.147306	0.110054	1.338488	0.180737	0.266569	1392.62	1347.18	1206.398	1482.132	1401.117	1486.365
18942	PAK2	3558.437	0.147212	0.123041	1.196445	0.231523	0.324941	3029.721	3987.348	3115.485	3752.205	3576.593	3889.271
16608	ATP9B	2086.908	0.147205	0.094591	1.556227	0.119654	0.191542	2027.403	1937.29	1979.356	2218.734	2098.468	2260.199
17121	RIC1	2701.937	0.147187	0.099584	1.478022	0.139402	0.216459	2588.462	2667.538	2442.017	2758.909	2699.558	3055.138
20234	TYSND1	1128.744	0.147047	0.148536	0.989972	0.322188	0.423306	1170.907	925.126	1124.302	1053.564	1101.642	1396.921
23138	CASKIN1	103.4186	0.146821	0.27267	0.538454	0.590264	0.678199	95.94929	82.65918	116.8829	98.21359	111.2338	115.5726
18223	FYCO1	5718.824	0.146767	0.113168	1.296893	0.194668	0.283994	5220.834	6036.31	5033.616	5783.441	5544.575	6694.168
20292	ABHD8	649.3325	0.146646	0.149782	0.979061	0.32755	0.429131	683.5709	523.3257	644.2472	698.6557	624.6203	721.5753
24523	LOC119611	30.62892	0.146641	0.447985	0.327335	0.743414	0.805924	30.35684	29.56024	27.13352	33.4819	32.08666	31.15436
18812	PRMT9	901.4996	0.146571	0.120589	1.215461	0.22419	0.316824	862.4594	907.6088	794.5252	1008.921	921.9567	913.5263
18959	DDX56	4233.951	0.146513	0.12275	1.193595	0.232636	0.326221	4451.071	3503.436	4108.989	4348.183	4019.389	4972.638
19006	LOC103234	1160.075	0.146507	0.123729	1.184093	0.236376	0.330636	1047.311	1231.129	1021.334	1256.687	1266.354	1137.637
16363	AAAS	3887.191	0.146478	0.091852	1.594721	0.110775	0.179973	3668.841	3869.654	3535.707	3984.347	3972.329	4292.267
20084	ETV6	1593.377	0.146313	0.144116	1.015243	0.30999	0.410331	1348.711	1852.442	1337.891	1696.417	1570.107	1754.694
24306	LOC103234	79.73568	0.146293	0.405562	0.360717	0.718311	0.785629	93.23886	34.48694	98.79385	95.98146	85.56443	70.34856
20807	N4BP3	383.0494	0.146283	0.161937	0.903333	0.366349	0.468083	402.7702	319.6885	368.7376	381.6937	421.4048	404.0017
20902	STOX1	312.6628	0.146259	0.164272	0.890345	0.37328	0.474771	276.464	310.9299	303.3389	305.8014	350.8141	328.6283
20017	ITSN2	2632.05	0.146143	0.142545	1.025245	0.305247	0.405406	2206.292	3105.467	2185.988	2732.123	2661.054	2901.376
19330	OGFOD3	676.8426	0.145717	0.128955	1.129988	0.258481	0.355495	660.2612	599.9633	669.2936	741.0662	658.8461	731.6251
24970	LOC103221	18.77602	0.145682	0.579054	0.251586	0.801361	0.853191	17.88885	19.15941	16.00182	17.85702	25.66933	16.07967
19404	PLA2G12A	585.0186	0.145583	0.130324	1.117087	0.263957	0.361654	575.1536	521.136	569.1083	631.6919	616.0639	596.9578
19341	THAP9	610.4105	0.145537	0.128976	1.128401	0.25915	0.356213	572.4432	581.8988	583.0229	613.8349	695.211	616.0524
22013	LOC119611	267.6597	0.145536	0.201156	0.723498	0.469374	0.566861	239.6022	305.4558	217.0682	249.9982	314.4493	279.3843
18357	TLE3	1141.539	0.145512	0.11438	1.272183	0.203308	0.294435	1008.281	1167.082	1079.079	1180.795	1165.815	1248.185
25639	LOC103224	90.93799	0.145466	1.00964	1.044077	0.885439	0.918074	7.116354	6.957314	8.928508	4.278221	6.029877	
23342	LOC119621	103.0733	0.145411	0.286616	0.507337	0.611919	0.696935	117.6327	72.80577	102.9682	107.1421	113.3729	104.5179
21271	HDAC11	645.2473	0.145393	0.173148	0.839705	0.401074	0.501272	702.5439	504.1663	635.2027	696.4236	558.3079	774.8392
18963	TBC1D13	1180.788	0.145344	0.121877	1.192547	0.233047	0.326718	1234.331	1046.104	1087.428	1220.973	1157.259	1338.633
18234	PANK4	1112.222	0.145235	0.112195	1.294485	0.195498	0.285034	1077.668	1027.492	1068.643	1120.528	1118.755	1260.244
18243	GDAP1	1081.814	0.145231	0.112247	1.293851	0.195717	0.285213	1008.823	1099.203	975.4154	1129.456	1110.198	1167.786
22722	LOC103237	179.1559	0.14505	0.239672	0.605205	0.545043	0.637706	150.1579	210.2061	149.5822	158.481	224.6066	181.9013
21223	TAF6L	576.3582	0.145012	0.171032	0.847864	0.396514	0.496693	595.2108	464.2052	585.8058	654.0132	485.5781	673.3362
16895	OSER1	1933.619	0.144969	0.096178	1.5073	0.131734	0.207289	1826.831	1786.752	1893.781	2113.824	2010.764	1969.76
22631	SEMA4A	132.6615	0.144848	0.234228	0.618405	0.536308	0.629954	113.8381	128.0944	135.6676	131.6955	154.016	132.6573
17940	ZSCAN18	1746.613	0.144786	0.107018	1.352912	0.176084	0.260936	1712.993	1671.248	1597.399	1848.201	1677.063	1972.775
19822	PGAP3	946.8703	0.144717	0.13774	1.050654	0.293418	0.393514	965.9979	766.924	968.4581	997.7608	919.8176	1062.263
24969	CHRNA10	20.84809	0.144684	0.574493	0.251846	0.80116	0.853011	23.30971	19.15941	16.00182	29.01765	23.53022	14.06971
20266	ATRX	7308.727	0.144626	0.146772	0.985382	0.324437	0.425621	6171.111	8869.714	5787.789	7629.41	7424.853	7969.487
26035	LOC103227	1.671808	0.144606	1.796943	0.080473	0.935861	0.955595	2.168345	1.094824	1.391463	2.232127	2.139111	1.004979
24844	LOC103241	27.87395	0.144602	0.526958	0.274409	0.78377	0.838694	28.18849	20.25424	29.91645	29.01765	42.78221	17.08465
21427	TCEAL4	4428.464	0.14451	0.177464	0.814305	0.41547	0.515484	3275.286	5623.562	3293.592	4388.362	4609.783	4480.198
17958	MYO18A	4422.129	0.144262	0.106846	1.350186	0.176956	0.261984	3927.958	4690.772	3988.628	4602.646	4387.316	4935.454
25258	LOC103211	12.48128	0.144064	0.699917	0.20583	0.836924	0.880881	9.757555	14.23271	11.82743	11.16063	12.83466	15.07469
17883	VPS26B	2562.677	0.143926	0.105543	1.36368	0.172668	0.25669	2483.84	2406.97	2421.841	2566.946	2500.62	2995.844
17293	CLDN12	1636.818	0.14379	0.099173	1.449897	0.147087	0.226121	1531.394	1606.106	1525.043	1743.291	1766.905	1648.166
18883	FAM193B	988.5631	0.143784	0.119174	1.206506	0.227623	0.320475	929.136	955.781	937.8459	1037.939	939.0696	1131.607
17378	SH3GLB2	3941.923	0.143734	0.1003	1.43304	0.151846	0.232296	3702.45	3891.551	3647.72	4265.595	3726.331	4417.89
19945	ITSN1	3270.157	0.143527	0.138168	1.038786	0.298904	0.398414	2844.327	3816.555	2663.26	3419.619	3264.283	3612.901
16786	LOC103214	3285.995	0.143271	0.093754	1.528157	0.126474	0.200304	3293.717	2922.632	3151.663	3403.994	3538.089	3405.875
19377	SUN2	3541.766	0.14312	0.12747	1.122771	0.261535	0.358822	3611.379	2948.907	3544.751	3727.652	3215.083	4202.824
19642	CCDC71	624.7276	0.143096	0.132626	1.078943	0.280613	0.379803	587.6216	642.6615	551.715	667.406	624.6203	674.3412
21133	RSF1	4248.961	0.143006	0.166229	0.860291	0.389628	0.49013	3338.71	5424.304	3352.729	4388.362	4412.985	4576.677
22918	LOC103227	138.2252	0.142918	0.247784	0.567686	0.564084	0.654363	143.6529	128.6418	121.753	176.338	111.2338	147.732
21011	ZNF564	381.9066	0.1428	0.162539	0.878563	0.379638	0.480632	332.841	399.6106	358.9974	357.1403	410.7092	432.1412
24143	LOC103235	53.11086	0.142791	0.372157	0.383685	0.701212	0.772073	49.87195	54.74118	46.614	73.66019	38.50399	55.27387
18762	SMAD3	1969.343	0.14277	0.116761	1.222747	0.221425	0.313751	1787.259	2095.492	1737.241	1986.593	1974.399	2235.074
19277	EIF2B4	1675.341	0.142735	0.125262	1.139487	0.2545	0.350982	1474.475	1850.799	1453.383	1765.612	1687.758	1820.018
18938	HNRNP2H2	4791.496	0.142434	0.118945	1.197475	0.231121	0.324446	4270.556	5274.86	4122.208	5147.285	4624.757	5309.307
20887	EPS8L2	413.3142	0.14242	0.159639	0.892142	0.372317	0.473885	387.0497	358.5547	436.2236	435.2648	391.4573	471.3354
18701	NIPAA1	3169.176	0.142347	0.115947	1.227696	0.219561	0.312124	2796.624	3429.535	2815.625	3361.583	3078.18	3533.508
23628													



19694	PIGX	783.044	0.141505	0.132125	1.07099	0.284174	0.383568	674.8975	836.9927	722.8649	812.4942	812.8621	838.1529
24666	TMEM270	33.09551	0.141459	0.463128	0.305444	0.760028	0.819158	41.74065	23.53871	29.22072	37.94616	29.94755	36.17926
17975	NAA40	1773.879	0.141378	0.104903	1.347702	0.177754	0.262898	1744.976	1673.985	1646.796	1866.058	1715.567	1995.889
21724	ZNF764	258.5711	0.141125	0.18224	0.774392	0.438699	0.536863	275.3799	227.1759	235.1572	287.9444	252.4151	273.3544
21113	LOC103224	309.654	0.141054	0.163394	0.863276	0.387986	0.488543	284.5953	317.4989	282.4669	316.962	318.7275	337.6731
27832	LOC119624	0.721992	0.14098	3.153564	0.044705	0.964343	NA	1.626259	0	0.695731	0	0	2.009959
20670	NDUFA2	2022.84	0.14086	0.152111	0.926035	0.354428	0.455852	2138.531	1445.715	2189.467	2138.378	2064.242	2160.706
19788	GBX2	581.1444	0.140729	0.133395	1.05498	0.291435	0.39154	554.5544	555.623	549.6278	647.3168	547.6123	632.1321
25290	LOC119624	12.48261	0.140622	0.701817	0.200368	0.841193	0.884267	13.55216	9.306001	12.52316	15.62489	12.83466	11.05477
19485	LOC10324	640.9653	0.14058	0.127422	1.103264	0.269913	0.368264	610.9313	614.1961	606.6778	685.263	618.203	710.5205
19708	PEAR1	1315.51	0.140519	0.131524	1.068393	0.285343	0.384912	1173.617	1360.318	1227.27	1303.562	1236.406	1591.887
25912	LOC119615	3.041302	0.14049	1.364925	0.102929	0.918019	0.94188	2.710432	3.831883	2.087194	4.464254	2.139111	3.014938
19305	NACC2	2205.55	0.140465	0.123887	1.133816	0.256872	0.353739	2206.292	1891.308	2204.077	2263.377	2049.268	2618.976
18016	PPP3R1	2246.434	0.140444	0.104751	1.340744	0.180003	0.265619	1937.959	2305.151	2168.595	2386.144	2323.074	2357.682
22465	SGF29	225.087	0.140438	0.217183	0.646634	0.517869	0.612844	189.7302	262.2103	192.7176	212.0521	222.4675	271.3445
17849	RALGAPB	7292.452	0.140285	0.102468	1.369052	0.170983	0.254669	6714.282	7670.882	6433.428	7526.732	7258.002	8151.388
18727	MLST8	1176.252	0.1402	0.11426	1.227028	0.219812	0.312237	1161.691	1150.112	1049.163	1218.741	1157.259	1320.543
17297	CNOT7	4496.729	0.140174	0.096757	1.448715	0.147417	0.226576	4059.143	4688.035	4086.726	4678.538	4810.86	4657.075
19509	LRP6	3339.981	0.140069	0.127345	1.099918	0.271368	0.369794	2898.536	3776.594	2861.543	3374.976	3377.656	3750.583
17683	HSPA8	91455.96	0.14	0.100827	1.388516	0.16498	0.248034	81994.9	98678.64	80392.46	96450.21	94080.23	97139.31
23118	RIBC1	107.5693	0.139964	0.258839	0.540737	0.588689	0.676974	91.07051	105.1031	109.9256	111.6063	126.2075	101.5029
22287	ADAM8	544.6945	0.139963	0.20695	0.676314	0.498841	0.595042	576.7799	379.3564	603.1991	533.4783	474.8826	700.4707
18271	CDC25B	2110.662	0.139847	0.108437	1.289662	0.197168	0.2869	2100.585	1897.329	2033.623	2171.86	2038.572	2422.001
17567	ARHGAP12	2837.336	0.139659	0.099404	1.404956	0.160034	0.242188	2533.712	2939.601	2625.69	2973.193	3018.285	2923.535
19544	MCM9	607.6826	0.139588	0.127889	1.091475	0.275064	0.37416	557.8069	608.7219	569.1083	647.3168	613.9248	649.2167
23526	LOC10324	93.54023	0.139582	0.291195	0.479342	0.631696	0.713833	104.0806	67.87906	95.3152	98.21359	96.25998	99.49297
18932	LOC119624	2284.274	0.139374	0.116307	1.198329	0.230789	0.324098	2248.574	2091.113	2190.858	2189.717	2241.788	2743.594
20604	MARVELD2	547.128	0.139286	0.148747	0.936398	0.349068	0.450397	492.7565	593.3944	477.2717	582.5851	534.7777	601.9827
25699	LNK1	7.805945	0.139254	1.032188	0.134912	0.892682	0.923458	8.131296	1.094824	13.2189	8.928508	6.417332	9.044815
17570	CERK	1745.978	0.139243	0.099116	1.40486	0.160063	0.24219	1699.983	1617.602	1671.842	1803.559	1758.349	1924.536
18789	SEPTIN11	15830.73	0.13911	0.114076	1.219452	0.222673	0.315065	13943	17601.48	13662.08	16256.58	16081.83	17439.41
19519	BCKDHA	1410.766	0.139109	0.126662	1.098268	0.272088	0.370585	1416.472	1246.457	1371.982	1448.65	1302.718	1678.316
18167	VAT1	6005.569	0.138997	0.106154	1.309387	0.190403	0.27863	5805.745	5601.665	5751.611	5912.904	5796.99	7164.499
24618	LOC119624	35.40191	0.138938	0.443917	1.312983	0.754294	0.814563	38.48813	30.10765	33.39511	24.5534	40.6431	45.22408
16519	VAPA	6190.834	0.138797	0.088312	1.571664	0.116029	0.186732	6142.923	5614.803	5925.544	6546.828	6190.586	6724.318
21969	LOC10323	204.2314	0.138724	0.189336	0.732688	0.463749	0.561189	187.0198	205.8268	189.9347	216.5163	216.0502	210.0407
18333	TSPYL1	5067.918	0.138695	0.10854	1.277828	0.20131	0.291923	4600.145	5465.907	4409.545	5294.605	5086.805	5550.502
19825	PIN4	926.5049	0.138639	0.131969	1.050541	0.293469	0.393538	806.6245	995.1947	844.6179	899.5472	1033.19	979.855
24978	LOC119624	22.20876	0.138327	0.553164	0.250065	0.802537	0.85417	18.97302	24.63353	20.17621	13.39276	29.94755	26.12947
17451	UBN1	3077.212	0.138323	0.097528	1.418287	0.156107	0.237815	2927.266	3078.644	2788.491	3073.639	3155.188	3440.045
20259	PRPF18	694.9851	0.138303	0.140247	0.986139	0.324065	0.425256	639.1198	754.3335	592.0674	696.4236	742.2714	745.6948
20881	AP4M1	845.1392	0.138194	0.154804	0.892704	0.372016	0.473638	937.8094	650.3252	827.9203	886.1544	829.9749	938.6508
21324	NAP1L5	324.1679	0.138148	0.166687	0.82879	0.407223	0.507692	337.7198	312.5721	274.8139	352.6761	331.5622	335.6631
25200	LOC119618	21.23216	0.138129	0.643444	0.214672	0.830023	0.875641	14.63633	31.74989	13.2189	26.78552	29.94755	11.05477
21943	CCDC120	238.2923	0.138017	0.187206	0.737246	0.460973	0.558491	215.2083	208.5639	257.4206	254.4625	243.8586	250.2399
17419	USP15	3787.947	0.137681	0.096549	1.426028	0.15386	0.234823	3415.144	3936.438	3469.612	3993.275	3961.633	3951.579
24797	LOC119624	26.98646	0.137471	0.488374	0.281487	0.778337	0.834459	27.6464	22.9913	25.74206	33.4819	29.94755	22.10955
26095	LOC119624	1.656305	0.137456	1.918126	0.071662	0.942871	0.960576	2.168345	1.094824	1.391463	0	4.278221	1.004979
21037	TIAF1	949.7522	0.137414	0.156995	0.875279	0.381422	0.482013	790.904	1124.384	799.3953	959.8146	981.8518	1042.164
18264	TGFBRAP1	1762.033	0.137377	0.106444	1.290601	0.196842	0.286522	1748.229	1595.705	1696.193	1799.094	1739.097	1993.879
23498	LOC10324	84.7714	0.137157	0.282932	0.484771	0.627839	0.71032	89.44425	78.27989	75.13899	82.5887	87.70354	95.47305
20576	NUDT22	1951.659	0.137074	0.145608	0.94139	0.346505	0.447698	2023.608	1459.4	2096.239	2120.521	1869.583	2140.606
18805	LOC103224	883.802	0.136812	0.112458	1.216561	0.223771	0.31635	857.0385	853.415	816.0929	933.0291	900.5656	942.6707
18245	CDH2	12116.31	0.136778	0.105761	1.293274	0.195916	0.285472	10996.76	12870.75	10765.05	12265.54	12000.41	13799.37
25564	LOC119624	11.09244	0.136744	0.877344	0.155861	0.876143	0.911099	4.878777	20.80165	5.565851	11.16063	17.11289	7.034856
20287	PCSK7	1543.338	0.136692	0.139444	0.980268	0.326954	0.428455	1664.205	1246.457	1504.867	1591.507	1446.039	1806.953
19488	TP53BP2	6312.863	0.136685	0.123954	1.102708	0.270154	0.368537	5464.231	7220.909	5357.132	6582.542	6520.009	6732.357
19034	ZBTB43	1253.485	0.136525	0.115828	1.178691	0.238521	0.333128	1191.506	1222.918	1173.699	1303.562	1185.067	1444.155
16696	SNX13	6573.796	0.136411	0.088402	1.543073	0.122813	0.195543	6099.556	6683.351	6009.032	6772.273	6804.511	7074.05
19522	INTS6	1915.325	0.13638	0.124257	1.097566	0.272394	0.370945	1676.673	2126.695	1670.451	1937.486	2087.772	1992.874
19730	EOLA2	1079.963	0.136346	0.128162	1.063861	0.287392	0.387243	1145.971	954.6862	990.0257	1120.528	1037.469	1231.1
21168	LOC10323	528.3596	0.136343	0.159429	0.855193	0.392444	0.492873	500.8878	561.0971	446.6595	493.3001	639.5941	528.6192
20362	ZNF282	1487.692	0.136217	0.140774	0.967632	0.333228	0.435069	1581.266	1234.414	1442.947	1493.293	1373.309	1800.923
19971	OTUD5	3030.45	0.135826	0.131353	1.034051	0.301112	0.400835	2620.988	3470.043	2574.206	3207.566	2973.364	3336.532
18323	CEP164	2134.579	0.135745	0.106116	1.279204	0.200825	0.291379	2004.635	2206.07	1895.172	2198.645	2141.25	2361.702
18976	TDG	1267.546	0.135714	0.114127	1.189145	0.234382	0.328341	1171.991	1306.125	1145.87	1243.295	1405.396	1332.603
20492	FNBP4	3364.071	0.135688	0.143099	0.948214	0.343021	0.445013	2881.731	4019.098	2716.135	3475.422	3593.706	3498.334
19682	CDC14A	847.1407	0.13565	0.12644	1.072836	0.283345	0.382721	755.1263	900.4924	766.0002	881.6902	894.1483	885.3869
18351	ATP5PF	2053.75	0.135544	0.106481	1.272939	0.20304	0.294143	1967.231	1780.183	2126.155	2100.431	2179.754	2168.746
18131	TAPBP1	1269.721	0.135525										



25946	LOC103235	4.108034	0.134644	1.391919	0.096733	0.922939	0.945669	6.505036	2.189647	2.782925	11.16063	0	2.009959
18459	NFKB2	2364.241	0.134611	0.107283	1.25473	0.209577	0.301844	2070.228	2427.224	2269.476	2392.84	2376.552	2649.126
21511	ORMDL2	871.3522	0.134585	0.167811	0.802002	0.422552	0.522165	936.1832	619.6702	936.4544	950.8861	883.4527	901.4666
25792	LOC119627	4.753792	0.134575	1.115706	0.120619	0.903993	0.931722	2.710432	5.474118	5.565851	4.464254	4.278221	6.029877
23643	LOC119627	95.93063	0.134572	0.291118	0.462259	0.643896	0.724018	87.81799	101.2712	86.27069	116.0706	70.59065	113.5627
19576	LOC103246	1225.86	0.134389	0.123511	1.088073	0.276563	0.375564	1084.715	1329.663	1092.994	1279.009	1249.241	1319.538
21509	ANKDD1B	388.0628	0.134371	0.167503	0.802204	0.422435	0.522127	384.8813	401.8003	324.9066	352.6761	429.9612	434.1511
19169	RP2	802.5098	0.134351	0.116042	1.157774	0.246956	0.342497	793.0724	746.6697	754.1728	857.1368	844.9487	819.0583
19732	TSKU	989.784	0.134164	0.126131	1.063683	0.287472	0.387293	929.136	935.5268	973.3282	988.8323	939.0696	1172.811
18665	LRCH4	1291.878	0.13411	0.108794	1.232695	0.21769	0.310012	1180.664	1330.758	1184.135	1348.205	1349.779	1357.727
21981	LOC119618	945.8584	0.134019	0.183365	0.730883	0.464851	0.562215	744.8267	1210.875	749.9984	966.511	998.9647	1003.974
25369	LOC119627	13.10822	0.133997	0.716301	0.187068	0.851607	0.892427	12.46799	13.13788	11.1317	15.62489	19.252	7.034856
20343	CILK1	1004.554	0.133976	0.138067	0.970373	0.33186	0.433688	900.9475	1127.668	844.6179	1060.26	1039.608	1054.223
25896	LOC103234	4.690966	0.133922	1.276351	0.104925	0.916435	0.940822	7.047123	1.642235	4.87012	0	8.556443	6.029877
18335	APTX	1356.709	0.133715	0.104683	1.277334	0.201485	0.292128	1362.263	1267.258	1254.404	1383.919	1401.117	1471.29
19619	COPE	5052.299	0.133689	0.123478	1.082699	0.278942	0.377984	5144.942	3965.999	5343.913	5564.693	5097.501	5196.749
24988	PBX4	27.94138	0.133635	0.539884	0.247526	0.804501	0.855917	31.44101	23.53871	23.65487	29.01765	44.92132	15.07469
19226	ARMH3	1358.575	0.133461	0.116067	1.14986	0.250202	0.345969	1316.728	1360.866	1214.747	1381.687	1317.692	1559.728
20200	KBTBD6	819.4677	0.133457	0.1339	0.996695	0.318912	0.419717	779.5202	857.2469	711.7332	819.1906	806.4447	942.6707
17712	RNF149	2035.529	0.133383	0.096484	1.382442	0.166836	0.2504	2050.713	1906.635	1867.343	2131.681	2109.163	2147.641
21973	BEAN1	405.3277	0.133345	0.182204	0.731847	0.464262	0.56169	328.5043	476.7957	355.5187	419.6399	404.2919	447.2159
18330	ARF5	1672.943	0.133328	0.104288	1.278462	0.201086	0.291647	1533.562	1674.533	1575.136	1866.058	1724.123	1664.246
22314	CYSLTR2	223.4763	0.133268	0.19809	0.672765	0.501097	0.597009	189.1881	241.956	206.6322	236.6055	252.4151	214.0606
20260	FAM98A	2108.544	0.13323	0.135133	0.98592	0.324172	0.425376	1744.434	2399.853	1892.389	2073.646	2171.197	2369.742
24919	LOC119627	26.99446	0.133055	0.509859	0.260965	0.794119	0.847178	34.15144	20.80165	21.56767	31.24978	32.08666	22.10955
21392	LRR6C1	604.8536	0.132914	0.162587	0.817495	0.413645	0.51406	618.5205	477.3431	639.3771	578.1209	603.2292	712.5304
20402	ZNF428	707.42	0.132498	0.137904	0.9608	0.336653	0.438678	688.4497	636.6399	705.4716	703.12	671.6807	839.1579
20689	DDA1	1402.466	0.132424	0.143395	0.923491	0.355751	0.45716	1173.075	1619.244	1223.096	1515.614	1356.196	1527.569
19487	MIEN1	1495.611	0.132293	0.119936	1.103035	0.270012	0.368362	1525.973	1246.457	1511.129	1578.114	1490.96	1621.032
20061	ZCCHC2	2009.284	0.132223	0.129735	1.019179	0.308118	0.40832	1742.266	2252.6	1760.2	1982.129	2049.268	2269.244
19840	RABGGTA	821.2113	0.132145	0.126185	1.047236	0.294991	0.395012	795.2407	786.6308	774.349	828.1191	787.1927	955.7355
26090	LOC103220	2.394228	0.132119	1.82762	0.07229	0.942371	0.960224	5.420864	0.547412	0.695731	6.696381	0	1.004979
21385	LOC103238	397.1733	0.132003	0.161334	0.818197	0.413245	0.513709	371.8712	418.2226	349.9529	381.6937	400.0137	461.2856
24166	EXOC3L1	58.86849	0.131999	0.346865	0.830548	0.703538	0.774009	58.54533	45.98259	64.70302	51.33892	66.31243	66.32864
19376	CADPS2	1194.254	0.131972	0.11747	1.123454	0.261245	0.35846	1220.236	1178.578	1020.638	1209.813	1259.936	1276.324
18586	LYSMD3	2602.443	0.131817	0.106551	1.237133	0.216038	0.309016	2292.483	2709.141	2444.8	2830.337	2787.261	2550.638
19047	ARL8B	4064.136	0.131664	0.111804	1.177628	0.238945	0.333526	3582.107	4446.626	3606.671	4136.131	4404.429	4208.854
20803	RFXANK	1017.184	0.131639	0.145598	0.904127	0.365928	0.467641	1048.395	833.1608	1036.64	948.654	1018.217	1218.035
18327	CNPY2	2204.944	0.131615	0.102923	1.278772	0.200977	0.29152	2235.564	1925.247	2153.289	2352.662	2235.371	2327.532
25504	A3GALT2	11.21044	0.131511	0.805556	0.163254	0.870318	0.907207	5.420864	10.94824	15.30609	17.85702	10.69555	7.034856
18596	MED21	2306.782	0.131508	0.106398	1.236001	0.216458	0.309452	2089.201	2168.846	2343.223	2372.751	2622.55	2244.119
21865	LOC103216	521.7592	0.131386	0.175137	0.750191	0.45314	0.550899	462.9418	593.3944	433.4406	618.2992	556.1688	466.3105
20294	GIT2	1287.584	0.131326	0.134242	0.978274	0.327939	0.42947	1117.782	1417.797	1153.523	1404.008	1204.319	1428.076
26120	SERPINI2	1.726218	0.131227	1.918443	0.068403	0.945465	0.962297	1.084173	0.547412	3.478657	2.232127	0	3.014938
21356	TM2D3	683.8255	0.131166	0.159313	0.823323	0.410324	0.51081	731.2745	530.9895	699.21	700.8879	656.707	783.884
17864	RPL8	26636.42	0.131144	0.095947	1.366839	0.171676	0.255455	26100.92	22768.5	27412.51	28205.16	27036.22	28295.2
24726	ALOX12B	35.46283	0.131045	0.444456	0.294843	0.768114	0.825864	30.89892	33.93953	35.4823	42.41041	44.92132	25.12449
24602	SLC29A4	46.66831	0.130999	0.414544	0.316006	0.751998	0.812611	48.78777	37.224	45.91827	58.0353	59.8951	30.14938
22491	LOC119626	259.5725	0.130942	0.204524	0.640226	0.522026	0.61705	221.1712	307.6454	213.5895	276.7837	275.9453	262.2996
22229	ARHGAP44	205.4906	0.130906	0.19042	0.687461	0.491792	0.588164	205.9928	181.7407	200.3706	218.7484	216.0502	210.0407
19060	CEP68	1805.582	0.130862	0.111317	1.175587	0.23976	0.334419	1787.259	1764.856	1625.228	1787.934	1781.879	2086.337
18914	PDXDC1	4349.204	0.130743	0.108823	1.201433	0.229583	0.322696	4229.9	4214.524	4021.327	4223.184	4222.604	5183.684
22769	LOC119627	175.055	0.130658	0.218588	0.597733	0.550018	0.642199	195.1511	143.4219	162.8011	187.4987	177.5462	183.9112
19020	IFT122	2253.975	0.130641	0.110598	1.181225	0.237513	0.331982	2179.187	2261.358	2021.1	2328.108	2141.25	2592.847
20814	P4HTM	1298.491	0.130622	0.144699	0.902711	0.366679	0.468348	1313.475	1077.854	1334.413	1310.259	1170.094	1584.853
19380	STRIP1	1479.235	0.13058	0.116454	1.121298	0.262161	0.359626	1410.509	1426.555	1406.073	1546.864	1366.892	1718.515
19116	DYNLL1	4888.264	0.130208	0.111715	1.16554	0.243801	0.339058	4487.391	4331.67	5179.024	5517.818	5210.874	4602.806
20745	PDIA5	518.2865	0.130035	0.142723	0.911101	0.362242	0.464218	488.4198	532.6317	466.8357	506.6928	526.2212	588.918
24333	LOC119627	71.69417	0.130001	0.363954	0.357191	0.720949	0.787681	84.56547	47.62483	75.13899	58.0353	66.31243	98.48799
19425	ATOX1	1331.114	0.129822	0.116483	1.114522	0.265055	0.362754	1338.953	1132.595	1344.153	1399.544	1343.361	1428.076
18905	KDM2A	5207.089	0.129702	0.107859	1.202519	0.229162	0.322258	4641.886	5641.079	4639.137	5323.623	5298.577	5698.234
19010	TOGARAM	1954.311	0.129677	0.109624	1.182924	0.236839	0.331214	1822.494	2052.794	1726.805	1950.879	2034.294	2138.596
17990	PLAUR	3392.605	0.129615	0.096373	1.344924	0.17865	0.264002	3264.986	3370.415	3090.439	3508.904	3339.152	3781.738
17472	ZFAND5	12393.44	0.129533	0.091512	1.415467	0.156932	0.23877	11973.6	12128.46	11417.65	12613.75	12171.54	14055.64
23841	LOC103214	80.12325	0.129315	0.299708	0.43147	0.666126	0.742777	87.81799	66.23683	75.13899	75.89232	96.25998	79.39338
25139	TPPP3	19.54945	0.129261	0.575367	0.224658	0.822246	0.869541	21.14137	19.70683	14.61036	20.08914	25.66933	16.07967
17178	SLC31A1	6769.822	0.129032	0.08772	1.470964	0.141301	0.218673	6435.649	6800.497	6167.659	7165.128	6780.981	7269.017
23270	HAP1	133.0487	0.129001	0.24868	0.518743	0.60394	0.689976	129.5586	110.0298	139.842	142.8561	160.4333	115.5726
18268	WLS	2776.131	0.128675	0.099765	1.289781	0.197127	0.286874	2577.621	2722.279	2663.955	2841.498	2703.836	3147.596
19194	APBB1	3009.004	0.128582	0.111341	1.154848	0.248153	0.343709	3106.155	25				



17426	GLUD1	7371.004	0.128255	0.090078	1.423818	0.154499	0.235703	7349.607	6952.13	6832.778	7854.855	7176.716	8059.935
25259	GPRC5D	17.55363	0.128232	0.623081	0.205803	0.836945	0.880881	15.17842	13.6853	20.87194	17.85702	25.66933	12.05975
21003	ZNF318	2422.23	0.128106	0.145829	0.878468	0.37969	0.480632	1978.073	2890.882	2076.758	2499.982	2421.473	2666.211
19747	UBE2D1	1596.144	0.128056	0.120738	1.06061	0.288867	0.388896	1438.155	1738.58	1401.203	1604.899	1651.393	1742.634
18387	CERS2	7083.431	0.127918	0.100983	1.266718	0.205256	0.296771	7020.018	6456.175	6841.127	7118.253	6847.293	8217.717
21891	CRTC2	718.0689	0.127784	0.17139	0.745575	0.455924	0.553686	568.1065	867.6477	622.6796	787.9408	712.3239	749.7147
18301	CAPN2	16571.57	0.127629	0.099584	1.281628	0.199973	0.290491	15763.33	16725.62	15036.15	15733.54	16141.73	19189.08
20040	DENND4B	2021.6	0.127526	0.124837	1.021538	0.307	0.407281	1971.568	1799.343	2032.927	2116.056	1811.827	2397.881
21750	PLEKHH3	824.6983	0.1275	0.165869	0.768679	0.442084	0.540359	857.0385	630.6184	881.4916	854.9046	742.2714	981.8649
19494	YIPF3	3520.435	0.127491	0.115752	1.101413	0.270717	0.369172	3184.757	3744.297	3171.144	3665.153	3309.204	4048.057
21663	SLC41A3	2333.908	0.127335	0.162844	0.781945	0.434247	0.532911	2636.166	1694.24	2366.878	2401.769	2115.58	2788.818
20433	SNRNP48	1308.72	0.127256	0.133001	0.956805	0.338666	0.440632	1172.533	1470.896	1109.692	1390.615	1317.692	1390.892
22544	SLC2A6	851.9236	0.127248	0.200879	0.63346	0.526434	0.620797	1006.654	554.5282	884.9703	857.1368	787.1927	1021.059
19263	PKN2	4732.046	0.127218	0.111348	1.14253	0.253234	0.34949	4126.361	5204.792	4237.7	5017.821	4960.598	4845.006
21206	DUSP19	366.2942	0.127214	0.149823	0.849092	0.39583	0.496234	363.1979	337.7531	349.9529	372.7652	387.179	386.9171
19067	HCCS	1136.538	0.127105	0.108207	1.174642	0.240138	0.334815	1111.819	1100.845	1045.684	1142.849	1249.241	1168.791
22668	LOC119615	173.1191	0.126967	0.207445	0.612052	0.540503	0.633917	156.1209	179.0037	160.0182	187.4987	188.2417	167.8316
18464	RNF14	2498.403	0.126746	0.101139	1.253185	0.210138	0.301974	2257.248	2590.353	2315.394	2676.32	2639.663	2511.444
25892	LOC103214	4.083345	0.12671	1.202924	0.105335	0.91611	0.94063	2.710432	4.379295	4.87012	2.232127	4.278221	6.029877
25155	LOC119615	19.05328	0.126301	0.572062	0.220783	0.825262	0.872176	17.88885	19.15941	18.08902	20.08914	14.97377	24.11951
25067	LOC119615	22.78733	0.126295	0.537225	0.235088	0.81414	0.863437	18.97302	19.70683	26.43779	31.24978	19.252	21.10457
23072	ZSWIM9	209.0494	0.126258	0.229249	0.550744	0.581809	0.670414	152.8684	222.2492	222.634	229.9091	241.7195	184.9162
19219	GDI1	13586.94	0.126094	0.109548	1.151037	0.249717	0.345407	12223.51	14793.8	11967.28	13999.9	13328.8	15208.35
20262	MAP2K3	1965.779	0.125922	0.127755	0.985656	0.324302	0.425504	2044.75	1657.016	1944.569	1988.825	1846.053	2313.463
25383	LOC103230	13.89182	0.125871	0.684477	0.183893	0.854097	0.894543	8.673382	15.32753	16.00182	11.16063	17.11289	15.07469
21071	UBOX5	610.3555	0.125721	0.144531	0.869857	0.384379	0.484965	596.8371	541.3903	618.5052	589.2815	592.5337	723.5852
19094	VPS37B	1442.862	0.125349	0.107043	1.171022	0.24159	0.336371	1354.674	1433.124	1356.676	1520.078	1394.7	1597.917
19492	RAB11FIP3	2034.132	0.125281	0.113691	1.10195	0.270483	0.368922	2084.864	1747.886	2009.968	2029.003	2040.712	2292.358
23820	ULBP3	107.6145	0.125269	0.28845	0.434284	0.664082	0.741168	94.86511	114.9565	96.70666	107.1421	147.5986	84.41828
22989	ZDHHC24	505.8257	0.125137	0.221208	0.565696	0.5716	0.661011	600.0896	321.8781	531.5388	558.0317	438.5177	584.8981
19483	ZMYM5	830.5678	0.125023	0.1133	1.103471	0.269823	0.368179	796.867	798.6738	786.8722	866.0653	887.7309	847.1977
23798	LOC103242	91.83099	0.125011	0.286161	0.436856	0.662216	0.739748	93.78094	84.84883	82.79203	109.3742	104.8164	75.37346
19321	ZNF322	931.3167	0.124991	0.110471	1.131437	0.257871	0.354808	889.5637	911.4407	873.1429	973.2074	947.626	992.9197
25986	LOC119622	3.428829	0.124988	1.388717	0.900002	0.928285	0.949683	4.336691	2.737059	2.782925	6.696381	0	4.019918
20747	ALDH6A1	1453.024	0.124932	0.137166	0.910809	0.362396	0.464371	1253.304	1647.71	1271.797	1522.311	1398.978	1624.047
21336	NEK3	486.8559	0.124916	0.151207	0.826125	0.408733	0.509288	428.7903	523.3257	446.6595	466.5145	526.2212	529.6242
24992	LOC119622	27.33386	0.124842	0.505661	0.246889	0.804994	0.856305	27.10432	24.63353	25.74206	26.78552	40.6431	19.09461
21311	RPRD2	1408.225	0.124794	0.150127	0.831258	0.405828	0.506261	1193.132	1675.628	1174.395	1444.186	1420.369	1541.639
19526	ATP5MK	2612.594	0.124781	0.113766	1.096818	0.272721	0.371315	2233.938	2700.93	2559.596	2756.677	2922.025	2502.399
19651	NINJ1	2067.521	0.124664	0.115685	1.077618	0.281204	0.38041	1827.373	2183.078	1926.48	2261.145	1950.869	2256.179
20629	LMAN2L	839.3297	0.124647	0.133811	0.931514	0.351588	0.453098	893.3583	760.9024	758.3472	872.7616	797.8883	952.7205
25588	LOC119622	10.10316	0.124601	0.812749	0.153308	0.878156	0.912372	10.29964	7.116354	11.1317	8.928508	17.11289	6.029877
16408	LOC103216	18657.02	0.124536	0.078461	1.587236	0.112459	0.182215	18473.76	17681.4	17403.72	19399.42	19119.37	19864.42
19191	COTL1	1620.473	0.124431	0.107672	1.155649	0.247825	0.34331	1528.141	1596.8	1532	1696.417	1544.438	1825.043
20630	ZNF256	692.0255	0.124336	0.133544	0.931047	0.351829	0.453387	667.8504	706.7087	615.0265	654.0132	733.715	774.8392
22621	ZNF101	220.226	0.124321	0.200052	0.621444	0.534307	0.627937	226.05	222.2492	181.5859	256.6946	226.7457	208.0308
17338	NIPSNAP2	5194.173	0.124283	0.086222	1.441425	0.149465	0.22918	4995.868	4754.819	5159.544	5372.73	5578.801	5303.277
18862	TTC19	1263.632	0.124267	0.102645	1.210654	0.226028	0.318575	1191.506	1247.552	1188.309	1343.74	1294.162	1316.523
25360	LOC103222	16.88107	0.124218	0.658196	0.188724	0.850309	0.891383	11.9259	24.08612	11.82743	17.85702	23.53022	12.05975
20510	ISYNA1	1401.378	0.124136	0.131422	0.944558	0.344884	0.447038	1443.576	1150.66	1432.511	1502.221	1315.553	1563.748
21489	SLU7	2881.943	0.124055	0.153937	0.805881	0.420311	0.519986	2383.554	3556.535	2332.787	3073.639	3007.59	2937.555
22992	ZDHHC15	176.3621	0.123981	0.219446	0.564974	0.572092	0.6615	185.9356	160.9391	158.6268	158.481	220.3284	173.8614
21177	MIA3	5391.09	0.123927	0.145097	0.854099	0.39305	0.493401	4465.708	6546.498	4467.987	5511.122	5459.01	5896.215
25496	LOC119624	12.6056	0.123737	0.751566	0.164639	0.869228	0.906355	16.26259	10.94824	9.740239	11.16063	6.417332	21.10457
24964	LOC119622	28.15155	0.123608	0.489474	0.252532	0.80063	0.852643	30.89892	19.15941	30.61218	29.01765	32.08666	27.13445
18517	DYNLL2	3679.643	0.123573	0.098981	1.248449	0.211867	0.304179	3403.218	3759.624	3409.084	3754.438	3630.071	4121.421
18571	OSBPL2	2574.93	0.12355	0.099669	1.239608	0.215121	0.307952	2431.257	2590.353	2375.923	2743.284	2487.786	2820.977
22645	PAXX	509.715	0.123545	0.200514	0.616141	0.537802	0.631374	559.9752	363.4814	544.0619	517.8535	442.7959	630.1221
23352	WNT9A	127.8297	0.123495	0.244177	0.505763	0.613023	0.697894	117.0907	125.9047	121.753	145.0883	147.5986	109.5428
24474	TCF7L1	66.25166	0.123481	0.369433	0.334246	0.738194	0.801867	51.49821	83.75401	54.26705	53.57105	94.12087	60.29877
25616	HSPB6	11.7995	0.12337	0.833205	0.148067	0.88229	0.915665	5.96295	17.51718	9.740239	11.16063	21.39111	5.024897
19344	EFHC1	1205.872	0.123305	0.109346	1.127661	0.259463	0.356569	1194.758	1155.039	1117.345	1194.188	1234.267	1339.638
25142	MPV17L	23.2741	0.123268	0.550827	0.223787	0.822923	0.870154	28.18849	21.34906	16.69755	20.08914	34.22577	19.09461
21171	KIAA2026	2155.809	0.123174	0.144087	0.854854	0.392632	0.493038	1896.218	2560.792	1733.763	2256.68	2233.232	2254.169
21187	PHLDA3	1396.606	0.12317	0.144478	0.852521	0.393925	0.494309	1454.418	1110.151	1450.6	1493.293	1264.214	1606.962
21155	CUNH9orf	2973.397	0.122855	0.143218	0.85782	0.390992	0.49135	2462.698	3569.125	2508.112	3120.514	3084.598	3095.337
23724	ABCB4	119.1098	0.122621	0.272446	0.450073	0.652658	0.731365	123.0536	101.8186	120.3615	102.6778	106.9555	159.7917
24937	LOC103236	34.77737	0.122565	0.477131	0.25688	0.797272	0.849961	33.60935	36.12918	29.22072	58.0353	23.53022	28.13943
21122	GOLGB1	12350.28	0.122531	0.142216	0.861584	0.388916	0.489506	10218.87	14971.17	10289.87	12533.39	12485.99	13602.4
21896	KIZ												



25960	LOC119624	4.117343	0.121781	1.294794	0.094054	0.925066	0.947283	3.794605	4.926706	3.478657	4.464254	0	8.039836
18200	SACM1L	2300.119	0.121719	0.093472	1.3022	0.192848	0.281696	2209.544	2287.634	2110.849	2370.519	2451.421	2370.747
23789	LOC119615	112.4204	0.121682	0.277793	0.438031	0.661364	0.739096	130.6428	80.46954	112.0128	118.3027	115.512	117.5826
29537	LOC119623	0.653169	0.12162	3.283699	0.037037	0.970455	NA	1.084173	0	0.695731	0	2.139111	0
25343	LOC119624	1123.078	0.121605	0.636139	0.19116	0.8484	0.889978	517.1504	2083.449	626.854	1120.528	1075.973	1314.513
18160	UBE2G2	2480.296	0.121496	0.092696	1.310699	0.189959	0.278088	2348.86	2494.556	2284.086	2584.803	2577.628	2591.842
20487	TOX4	3264.352	0.121492	0.127994	0.949198	0.34252	0.444476	2847.038	3749.224	2785.708	3372.744	3304.926	3526.473
20821	TOR1B	940.9078	0.121227	0.134479	0.901454	0.367347	0.469042	996.8968	800.8635	910.7124	941.9576	917.6785	1077.338
24889	LOC103241	521.615	0.121214	0.452691	0.267763	0.788881	0.842638	294.3529	821.1177	383.348	584.8173	530.4994	515.5545
26106	LOC119615	2.075297	0.121202	1.740376	0.069641	0.944479	0.961809	1.626259	1.094824	3.478657	2.232127	0	4.019918
27407	CD200R1L	0.668672	0.121128	3.259762	0.037159	0.970359	NA	1.084173	0	0.695731	2.232127	0	0
27554	LOC119626	0.668672	0.121128	3.259762	0.037159	0.970359	NA	1.084173	0	0.695731	2.232127	0	0
19595	LOC119615	2142.042	0.121088	0.111425	1.086722	0.27716	0.376029	2044.208	2224.134	1893.085	2145.074	2117.72	2428.03
25015	LOC119621	31.46955	0.121087	0.49819	0.243054	0.807963	0.858673	23.30971	38.86624	27.13352	33.4819	44.92132	21.10457
18961	RALGAP2	2467.876	0.121005	0.101413	1.193194	0.232794	0.326397	2361.328	2489.629	2247.212	2524.536	2427.891	2756.659
22778	TRIM45	245.1646	0.120991	0.202943	0.596179	0.551056	0.643156	279.1745	209.6587	217.7639	252.2303	226.7457	285.4142
20498	ACVR2A	1444.421	0.12089	0.127614	0.947307	0.343482	0.445481	1260.893	1613.77	1275.971	1495.525	1538.021	1482.345
20506	LIN54	2309.793	0.120822	0.127884	0.944775	0.344774	0.44696	2011.683	2633.051	1995.358	2354.894	2391.526	2472.249
20704	TRMU	958.6515	0.120778	0.13125	0.920211	0.357462	0.459	1006.112	793.1997	958.0221	966.511	998.9647	1029.099
23056	TMEM134	733.2433	0.120673	0.218371	0.552604	0.580534	0.669363	862.4594	451.0673	795.9167	828.1191	626.7594	835.1379
25073	LOC103238	25.0484	0.120666	0.514752	0.234415	0.814663	0.86379	29.27266	24.08612	18.08902	26.78552	29.94755	22.10955
20651	TDRKH	584.5225	0.120588	0.129914	0.928214	0.353296	0.454801	583.2849	558.3601	540.5833	604.9064	581.8381	638.162
18510	MRPS21	2988.834	0.120472	0.09642	1.249452	0.2115	0.303746	2881.189	2657.137	3054.261	3098.192	3150.91	3091.317
18397	MON2	3691.114	0.120439	0.09521	1.26498	0.205879	0.297509	3431.407	3739.37	3445.957	3698.634	3737.026	4094.286
18791	LYPLA1	2825.59	0.120369	0.098723	1.219256	0.222747	0.315124	2632.371	2804.391	2679.957	3100.424	3028.981	2707.415
20210	ACBD3	5070.371	0.120287	0.120873	0.99515	0.319663	0.420497	4533.468	5710.6	4335.798	5131.66	5103.918	5606.78
24308	LOC103228	59.56634	0.120128	0.33316	0.360571	0.71842	0.785716	60.71367	52.00412	59.13717	64.73168	53.47777	67.33362
21738	GID4	956.007	0.119987	0.155565	0.771299	0.440529	0.53878	905.8263	1060.884	786.8722	877.2259	945.4869	1159.746
21090	MEI51	1283.505	0.119876	0.138293	0.866683	0.386035	0.486617	1093.388	1461.042	1134.738	1426.329	1277.049	1308.483
21486	TMEM1061	4293.201	0.119613	0.14831	0.806504	0.419952	0.519614	4588.761	3075.907	4683.664	4392.826	4333.838	4684.209
23871	LOC119621	99.54566	0.119546	0.280012	0.426932	0.669429	0.745539	98.11763	76.63765	112.0128	93.74933	111.2338	105.5228
22106	LOC119621	559.3052	0.119261	0.168529	0.707659	0.479157	0.576241	593.5846	432.4553	584.4144	616.067	511.2474	618.0624
24272	IZUMO4	87.275	0.119233	0.325686	0.366098	0.714292	0.782364	73.72375	65.14201	112.0128	78.12444	111.2338	83.4133
20927	LOC103233	1576.118	0.11902	0.134194	0.886925	0.375119	0.47654	1338.411	1787.847	1409.552	1613.828	1559.412	1747.659
18157	RSRP1	2961.615	0.118968	0.090733	1.311189	0.189794	0.277891	2909.378	2852.016	2759.966	2941.943	3131.658	3174.73
24807	TRNAA-UG	34.72853	0.118935	0.426002	0.279189	0.7801	0.836012	30.35684	33.39212	36.17803	40.17829	32.08666	36.17926
19337	DNAJC14	3209.364	0.118855	0.105288	1.12885	0.258961	0.356026	2963.586	3392.311	2879.632	3243.281	3225.779	3551.597
23935	STX1B	105.0196	0.118792	0.284192	0.417997	0.675949	0.750788	98.65972	118.241	85.57496	82.5887	130.4858	114.5677
25622	LOC103228	11.21541	0.118753	0.808255	0.146926	0.883191	0.916385	14.09425	7.116354	11.82743	4.464254	10.69555	19.09461
25814	LOC119626	6.108683	0.118587	1.002471	0.118295	0.905834	0.932853	5.420864	3.831883	8.348776	4.464254	8.556443	6.029877
21131	ERC1	3354.805	0.118432	0.137632	0.860498	0.389514	0.490049	2900.704	3910.163	2844.15	3319.173	3315.622	3839.022
23780	LOC119621	101.3759	0.118358	0.268989	0.440012	0.659929	0.737771	94.32303	102.9134	93.228	95.98146	128.3466	93.46309
25194	LOC103238	27.07509	0.1183	0.548859	0.215538	0.829348	0.875137	27.6464	36.67659	13.2189	24.5534	34.22577	26.12947
21635	INAFM1	381.4272	0.117593	0.149943	0.784255	0.43289	0.531932	357.777	372.24	370.1291	374.9973	389.3181	424.1013
19686	SHB	2932.893	0.11748	0.109574	1.072146	0.283655	0.383062	2719.647	3143.239	2579.772	3078.103	2887.799	3188.8
25439	LOC119626	15.00133	0.117407	0.67281	0.174502	0.861471	0.900279	9.215468	19.15941	15.30609	13.39276	12.83466	20.09959
23266	TMC7	138.0312	0.117261	0.225542	0.519907	0.603128	0.689167	142.0266	132.4737	123.1445	140.624	141.1813	148.737
25791	LOC119624	7.080354	0.11722	0.970744	0.120752	0.903887	0.931714	8.673382	3.831883	7.653045	4.464254	12.83466	5.024897
20328	KRCC1	2625.622	0.1171	0.120342	0.973055	0.330526	0.432262	2376.507	2637.43	2535.245	2928.551	2960.529	2315.473
22554	CACNG7	381.2046	0.116936	0.185129	0.631649	0.527616	0.621915	314.9522	423.6967	356.2145	473.2109	359.3706	359.7826
20388	DUSP6	7051.558	0.116905	0.12136	0.963292	0.335401	0.43731	6187.916	8054.617	6055.646	7464.233	7071.9	7475.037
23350	LOC119621	148.7996	0.116842	0.230824	0.506196	0.612719	0.697607	134.9795	166.4132	127.3188	142.8561	160.4333	160.7967
18084	ZDHC6	3496.438	0.116822	0.088156	1.325179	0.185112	0.27213	3318.653	3453.621	3288.722	3765.598	3638.627	3513.408
19413	DNAJB12	2314.846	0.116804	0.104626	1.116398	0.264252	0.361878	2117.389	2369.746	2181.814	2352.662	2269.596	2597.872
24253	LOC103238	64.67159	0.116697	0.317205	0.367891	0.712955	0.781475	58.54533	66.23683	61.22436	73.66019	62.03421	66.32864
21487	TTL3	533.552	0.116627	0.144614	0.806466	0.419974	0.519617	567.0223	458.7311	509.2754	578.1209	545.4732	542.6889
24945	ZDHC22	44.80983	0.116443	0.454552	0.256171	0.797819	0.850271	36.31979	44.34036	46.614	46.87467	70.59065	24.11951
19996	PTBP2	1141.962	0.116263	0.112859	1.030164	0.302933	0.402736	1074.415	1171.461	1038.727	1241.063	1191.485	1134.622
19497	INTS14	1743.252	0.116249	0.105556	1.101304	0.270764	0.369199	1682.094	1773.067	1566.091	1705.345	1854.609	1878.307
20365	TIMM13	1408.095	0.116075	0.120051	0.966885	0.333602	0.435492	1444.66	1183.504	1424.162	1495.525	1503.795	1396.921
20830	FRMD4A	4357.922	0.116057	0.128874	0.900543	0.367831	0.469457	3763.164	5051.516	3734.686	4522.289	4359.508	4716.369
23474	TMEM139	139.5929	0.116011	0.237452	0.488566	0.625149	0.708026	143.1108	145.6115	112.0128	142.8561	158.2942	135.6722
21481	MINDY2	458.2349	0.115955	0.143671	0.807092	0.419614	0.519324	440.7162	471.869	406.3071	488.8358	466.3261	475.3553
17814	CAP1	12926.56	0.115887	0.08431	1.374537	0.169275	0.25262	12151.41	13136.79	11937.36	13314.64	13187.62	13831.53
22670	SPESP1	322.2748	0.11582	0.189374	0.611594	0.540806	0.634201	285.1374	367.8607	272.7267	323.6584	380.7617	303.5038
25027	LOC103228	31.7609	0.115775	0.480574	0.24091	0.809625	0.860019	33.60935	25.18094	32.00364	49.10679	23.53022	27.13445
23410	LOC103228	126.0872	0.115682	0.232585	0.497375	0.618925	0.702867	122.5115	122.6202	117.5786	124.9991	141.1813	127.6324
22431	LOC103224	293.5699	0.115658	0.177493	0.651621	0.514646	0.609912	268.8748	312.0247	262.9865	285.7123	344.3968	287.4241
21064	NTAN1	795.2725	0.115654	0.132829	0.870695	0.383921	0.484549	710.1331	844.6564	738.171	837.0476	757.2452	884.3819
26066	PCDH19	2.704102	0.115554	1.525464	0.07575	0.939618	0.958361	0.542086	4.379295	2.782925	2.232127		



21298	SOS1	1303.382	0.115249	0.138182	0.834037	0.40426	0.504593	1144.886	1483.486	1125.693	1256.687	1441.761	1367.777
20176	SNAPC4	1108.72	0.115119	0.115044	1.000646	0.316998	0.417753	1078.752	1032.966	1084.645	1205.349	1039.608	1211
20661	UPRT	780.9203	0.115065	0.124092	0.927253	0.353795	0.455265	745.3688	767.4714	735.3881	752.2268	894.1483	790.9188
19977	KIAA0754	11676.47	0.114971	0.111223	1.033702	0.301275	0.400931	10559.3	12657.26	10422.75	12044.56	11138.35	13236.58
21240	RASSF8	9216.483	0.114828	0.136032	0.844124	0.3986	0.498907	7750.209	11028.71	7771.319	9520.022	9360.748	9867.893
25007	LOC103232	35.22874	0.114661	0.469098	0.244428	0.806899	0.857816	44.45108	31.74989	24.3506	33.4819	49.19955	28.13943
20450	STARD9	1581.757	0.114285	0.119787	0.954072	0.340047	0.442062	1494.532	1668.511	1399.116	1517.846	1608.611	1801.928
22441	ZNF225	309.8464	0.114245	0.175648	0.650424	0.515419	0.610607	290.5583	335.016	269.248	301.3371	310.171	352.7478
19946	JAK2	2150.064	0.11421	0.109958	1.038666	0.29896	0.398469	1990.541	2299.677	1906.304	2229.895	2160.502	2313.463
28689	CDX4	0.654944	0.113946	3.281115	0.034728	0.972297	NA	0	1.094824	0.695731	0	2.139111	0
19078	ACTN4	15859.48	0.113917	0.097148	1.172611	0.240952	0.335764	15046.69	15544.31	15117.55	16575.77	14809.06	18063.5
19235	ANAPC13	2462.88	0.113914	0.099254	1.147703	0.251091	0.347037	2494.681	2181.983	2422.537	2517.839	2541.263	2618.976
25235	TRNAL-CA	35.66469	0.113793	0.5427	0.20968	0.833917	0.878529	53.66655	14.23271	35.4823	29.01765	36.36488	45.22408
20606	SERTAD3	1133.638	0.11378	0.121533	0.936207	0.349166	0.450494	1138.923	979.3197	1152.827	1127.224	1142.285	1261.249
19142	RASA2	2666.506	0.113625	0.097745	1.162465	0.245047	0.340328	2448.062	2770.999	2464.976	2752.213	2800.096	2762.689
20035	KIAA1191	2941.992	0.11356	0.111112	1.022027	0.306768	0.407059	2649.718	3157.471	2673	3187.477	2823.626	3160.66
24343	LOC119615	93.28464	0.113549	0.319403	0.355503	0.722213	0.788758	123.0536	68.42648	77.92191	98.21359	85.56443	106.5278
20019	CDH24	1233.974	0.113292	0.110532	1.024973	0.305376	0.405536	1154.644	1181.315	1224.487	1308.026	1178.65	1356.722
21968	WDR13	1477.403	0.113268	0.154462	0.733309	0.46337	0.560756	1613.249	1115.078	1534.088	1508.918	1377.587	1715.5
22797	LOC103242	214.3267	0.113214	0.190848	0.593216	0.553037	0.644931	214.6662	206.3743	198.2834	196.4272	231.024	239.1851
20893	MID2	1067.629	0.113061	0.126875	0.891124	0.372863	0.474423	977.3817	1149.565	953.8477	1069.189	1058.86	1196.931
24821	LOC119620	54.22761	0.112977	0.407154	0.27748	0.781411	0.836966	66.67662	30.65506	58.44144	64.73168	55.61688	49.24399
19373	PLS3	4627.037	0.1127	0.100283	1.123821	0.261089	0.358285	4408.788	4802.991	4131.253	4796.841	4522.08	5100.77
21320	HEG1	2563.958	0.112466	0.135504	0.829984	0.406548	0.506946	2186.234	2959.856	2249.3	2616.053	2474.951	2897.356
21069	PIAS3	691.5897	0.112344	0.12909	0.870275	0.38415	0.484723	648.3353	714.3724	633.8113	714.2806	675.959	762.7794
20697	LRP11	6313.101	0.112131	0.121575	0.922315	0.356364	0.457745	5605.173	7203.939	5396.093	6395.044	6434.445	6843.91
21186	ANKRD29	658.539	0.112118	0.131511	0.852542	0.393913	0.494309	634.2411	656.3468	611.5479	613.8349	701.6283	733.635
23272	PKP3	470.417	0.11207	0.216147	0.51849	0.604117	0.690119	540.4601	315.8566	503.7095	450.8897	425.683	585.903
19613	RMC1	1709.999	0.111758	0.103122	1.08375	0.278476	0.377468	1633.848	1690.955	1611.314	1763.38	1662.089	1898.406
20335	MSH6	5401.852	0.111711	0.114982	0.971559	0.33127	0.433086	4958.464	6012.771	4608.525	5444.158	5572.383	5814.811
20609	RANBP2	17248.75	0.11171	0.119411	0.935514	0.349523	0.450875	15341.59	19619.24	14785.68	17336.93	17371.72	19037.33
24764	LOC103242	62.00367	0.111679	0.387813	0.287971	0.773369	0.830238	42.82482	88.1333	48.00546	66.96381	57.75599	68.3386
23908	DNASE1	94.37601	0.111651	0.26487	0.421534	0.673365	0.748763	91.6126	94.15483	86.96642	93.74933	96.25998	103.5129
21102	EFCA87	733.327	0.111537	0.128986	0.864472	0.387192	0.487798	662.4295	774.0403	679.0338	725.4413	787.1927	771.8242
20352	VANGL1	2213.069	0.111378	0.114989	0.9686	0.332745	0.434651	2046.918	2354.418	1985.617	2314.716	2098.468	2478.279
21713	SLC45A3	694.8521	0.111369	0.143509	0.776042	0.437724	0.535941	742.1162	576.9721	686.6869	741.0662	669.5416	752.7296
23742	LOC119622	141.2976	0.111229	0.24924	0.446274	0.6554	0.733881	130.6428	147.8012	129.406	109.3742	181.8244	148.737
25866	LOC103222	6.509264	0.111178	1.020902	0.108902	0.91328	0.938667	8.673382	6.568942	3.478657	11.16063	2.139111	7.034856
21521	GPR160	942.102	0.111109	0.138663	0.801283	0.422968	0.522494	861.9173	1049.388	802.874	1006.689	1018.217	913.5263
20275	TTG33	1007.902	0.111013	0.112865	0.983599	0.325313	0.426557	1033.759	939.9061	932.28	1049.1	1065.277	1027.089
21296	LRRC41	4278.037	0.110681	0.132666	0.834286	0.40412	0.504486	4553.526	3592.116	4204.305	4100.417	3997.998	5219.863
27253	LOC119625	0.654057	0.110608	2.966435	0.037287	0.970256	NA	0.542086	0.547412	0.695731	0	2.139111	0
27439	MDFIC2	0.654057	0.110608	2.966435	0.037287	0.970256	NA	0.542086	0.547412	0.695731	0	2.139111	0
20733	TMOD3	3530.347	0.11057	0.121076	0.913234	0.361119	0.463047	3125.128	3985.705	3075.828	3493.279	3711.357	3790.783
20598	HIBCH	960.5192	0.110517	0.117902	0.937357	0.348575	0.449892	950.2774	908.7036	916.9739	917.4042	990.4082	1079.348
21868	RHBDF1	1153.16	0.110493	0.147291	0.75017	0.453153	0.550899	1219.694	911.9881	1200.137	1142.849	1101.642	1342.653
20273	APLP2	38962.21	0.110272	0.112068	0.983974	0.325128	0.426357	34865.37	43595.88	33962.82	39972.93	38850.53	42525.71
19951	PMM2	1784.331	0.110179	0.106185	1.037613	0.29945	0.399022	1800.269	1590.779	1761.592	1837.041	1762.627	1953.68
17966	ANXA4	14747.6	0.110049	0.081598	1.348675	0.177441	0.262554	13898.55	13798.61	14862.91	15227.57	14978.05	15719.89
19721	MFAP3	1807.259	0.110036	0.103242	1.065803	0.286513	0.386235	1712.451	1811.386	1695.497	1881.683	1747.653	1994.884
21456	DNAJC27	751.9114	0.110004	0.135784	0.810136	0.417862	0.517727	734.527	765.2817	674.8594	705.3521	755.1061	876.3421
20255	NFKB1	2239.475	0.109914	0.111392	0.986737	0.323771	0.424934	2185.15	2247.125	2036.406	2299.091	2096.328	2572.747
19968	EPS15	8010.625	0.109405	0.105701	1.035046	0.300647	0.400276	7344.186	8732.861	7045.672	8301.28	8028.082	8611.669
20649	CUNH140r	1429.34	0.109366	0.117796	0.928429	0.353185	0.454708	1386.657	1265.069	1471.472	1419.633	1634.281	1398.931
24103	LOC103230	117.0719	0.109326	0.280511	0.389738	0.696731	0.768476	127.9324	79.92212	130.1018	1127.2312	117.6511	119.592
19273	JUN	10555.1	0.109284	0.095838	1.140302	0.25416	0.350587	9817.184	10860.1	9794.506	11022.24	10126.55	11710.026
21277	ZNF84	1195.207	0.109259	0.13021	0.839098	0.401414	0.501555	1081.462	1313.788	1054.033	1151.778	1339.083	1231.1
22683	INPP1	305.6596	0.109041	0.178763	0.609979	0.541876	0.635091	273.7536	310.3825	297.773	272.3195	372.2053	307.5237
19769	UBE2E3	1920.567	0.108739	0.102786	1.057921	0.290091	0.39011	1953.679	1718.326	1875.692	1964.272	1940.173	2071.263
25044	LOC119620	30.99279	0.108568	0.455508	0.238344	0.811614	0.861554	26.02015	29.56024	33.39511	33.4819	36.36488	27.13445
21235	SPART	1291.414	0.108558	0.128458	0.845083	0.398064	0.49833	1115.614	1435.314	1175.786	1395.079	1326.249	1300.443
20457	SLC2A1	8527.391	0.108489	0.11387	0.952743	0.34072	0.442785	8711.328	7429.473	8487.923	8611.546	7927.544	9996.531
20780	TRAM2	1398.482	0.10837	0.119503	0.90684	0.364492	0.466314	1334.617	1387.142	1323.281	1386.151	1315.553	1644.146
21856	D2HGDH	1955.027	0.108172	0.143916	0.751637	0.45227	0.550128	2107.09	1507.572	2035.014	1973.2	1863.165	2244.119
21799	APC	2999.904	0.108165	0.142372	0.759737	0.447412	0.545617	2545.638	3595.401	2522.026	3171.852	2945.555	3218.949
18973	ABCD3	3077.004	0.108104	0.090874	1.189609	0.2342	0.328162	3080.677	2986.131	2819.104	3116.049	3230.057	3230.004
20970	MRTFB	1570.73	0.107992	0.122303	0.828989	0.377242	0.478254	1433.818	1716.683	1387.288	1513.382	1672.785	1700.425
22026	LARP1B	2057.353	0.107876	0.149465	0.721748	0.47045	0.567824	1789.427	2473.207	1676.017	2113.824	2286.709	2004.934
20585	ZBTB7B	2336.982	0.107309	0.114198	0.939678	0.347383	0.448636	2343.439	2062.648	2350.876	2377.215	2205.423	2682.29
25225	CACNA2D2	32.71301	0.107197	0.508675	0.210739	0.833091	0.878057	22.76763	32.84471	37.56949	37.94616	47.06043	18.08963
21242	ERCC												



21127	LOC103220	858.7183	0.106657	0.123869	0.861046	0.389213	0.489763	828.8501	851.7728	802.1783	946.4218	791.4709	931.616
20591	STIL	2224.744	0.106541	0.113485	0.938813	0.347827	0.449067	2061.012	2420.108	1948.048	2272.305	2263.179	2383.811
21816	RHOG	1033.081	0.106466	0.140512	0.757702	0.448629	0.546675	1036.469	896.1131	1058.903	1026.778	939.0696	1241.15
25731	LOC119624	9.853149	0.106464	0.820033	0.129829	0.896701	0.926462	14.63633	6.02153	7.653045	8.928508	12.83466	9.044815
19799	RUFY3	2529.201	0.106356	0.100931	1.053749	0.291998	0.392079	2500.644	2582.689	2225.645	2593.732	2586.185	2686.31
17860	SSR2	9191.673	0.106246	0.077696	1.367453	0.171483	0.255257	8864.738	8817.162	8879.619	9611.539	9337.218	9639.773
20698	ARF3	8536.93	0.106065	0.115026	0.922098	0.356478	0.457824	7738.825	9418.22	7517.377	8680.742	8224.881	9641.763
19364	VPS13C	14157.62	0.10596	0.094151	1.125423	0.26041	0.357519	13020.37	14914.23	12983.04	14267.76	14361.99	15398.3
21059	EMC7	2332.193	0.105904	0.121511	0.871556	0.383451	0.48407	2070.228	2616.081	2051.016	2462.036	2464.255	2329.542
24164	MCMD2C	87.34117	0.105847	0.278159	0.380527	0.703555	0.774009	84.02339	90.32295	77.22618	98.21359	89.84265	84.41828
20146	ATRAID	2281.954	0.105811	0.105361	1.004275	0.315246	0.416004	2210.086	2001.885	2382.88	2319.18	2447.143	2330.547
19503	MAP2K4	2038.95	0.10581	0.096123	1.100778	0.270993	0.369397	1972.652	1918.131	2005.098	2140.61	2004.347	2192.865
22708	LOC103242	269.4094	0.10575	0.174088	0.607452	0.543551	0.636353	273.2115	252.3568	251.159	274.5516	305.8928	259.2847
22987	HILPDA	334.63	0.105684	0.186688	0.566099	0.571327	0.660753	367.5346	260.0206	338.8212	379.4616	327.2839	334.6582
20486	ZBED1	1696.429	0.105632	0.111286	0.949192	0.342523	0.444476	1689.683	1548.628	1671.147	1709.809	1625.724	1933.58
21971	TDRD3	965.1397	0.105591	0.144227	0.732116	0.464098	0.56156	864.6278	1110.151	814.0057	966.511	1039.608	995.9347
20681	USP11	4301.391	0.105479	0.114106	0.924394	0.355281	0.456707	4129.072	4222.735	4090.205	4218.72	3983.024	5164.589
20967	MEGF8	4628.33	0.105355	0.119289	0.88319	0.377134	0.478185	4748.135	3929.322	4708.014	4631.663	4353.09	5399.755
23821	LEF1	178.3059	0.105347	0.242629	0.43419	0.66415	0.741213	146.3633	207.4691	159.3225	229.9091	168.9897	157.7818
25781	LOC103215	8.534303	0.105228	0.862298	0.122033	0.902873	0.930994	4.878777	8.758589	11.1317	6.696381	10.69555	9.044815
19774	CSK	2087.145	0.105084	0.099389	1.057297	0.290376	0.390394	1994.336	2082.902	1961.267	2113.824	2062.103	2308.438
21304	CC2D1A	1552.381	0.104994	0.126091	0.832685	0.405022	0.505423	1567.172	1375.646	1550.089	1660.702	1381.865	1778.814
19496	YIPF4	2245.773	0.104948	0.095291	1.101346	0.270746	0.369193	2274.594	2059.363	2159.55	2305.787	2316.657	2358.687
21763	CC2D2A	559.9143	0.104881	0.136932	0.765938	0.443713	0.542026	535.5813	582.4462	502.318	553.5675	577.5599	608.0126
19331	PSMA6	6015.93	0.104757	0.092724	1.129768	0.258574	0.355604	5925.004	5330.149	6136.351	6252.188	6361.715	6090.176
26022	LOC119624	4.467776	0.104676	1.265953	0.082686	0.934102	0.954311	3.252518	4.379295	4.87012	11.16063	2.139111	1.004979
22249	ZNF695	385.1513	0.104669	0.152994	0.684138	0.493888	0.59014	396.2651	367.8607	348.5614	379.4616	427.8221	390.937
25575	LOC119620	14.34087	0.104643	0.675114	0.155	0.876821	0.911463	15.17842	13.13788	12.52316	22.32127	12.83466	10.04979
23779	YPEL1	121.3192	0.104482	0.237409	0.440092	0.65987	0.737767	111.1277	116.5987	123.8402	122.767	121.9293	131.6523
25594	LOC119621	16.86475	0.10423	0.682617	0.152692	0.878641	0.912662	17.88885	10.94824	19.48048	31.24978	8.556443	13.06473
22334	TRIP11	5199.91	0.104209	0.155712	0.669244	0.50334	0.599159	4259.715	6556.351	4220.306	5200.856	5508.21	5454.024
26135	LOC119624	2.391695	0.104008	1.57935	0.065855	0.947493	0.963808	2.168345	1.094824	3.478657	4.464254	2.139111	1.004979
20888	KLF11	1429.104	0.103908	0.116499	0.891922	0.372435	0.474013	1293.418	1546.438	1293.365	1450.883	1493.099	1497.419
18926	EIF5A2	3044.75	0.103827	0.086578	1.199239	0.230435	0.323688	2888.236	2961.498	258.25	3122.746	3118.823	3218.949
22837	ZNF597	328.4355	0.103698	0.176462	0.587653	0.556765	0.648141	319.2889	353.0806	278.2925	363.8367	297.3364	358.7777
21158	FAM83G	1362.093	0.103696	0.120975	0.857169	0.391351	0.491733	1340.038	1266.164	1340.674	1339.276	1283.466	1602.942
21243	LOC103235	1295.281	0.103694	0.123022	0.842889	0.399929	0.4997	1169.28	1353.202	1227.966	1370.526	1191.485	1459.23
19541	SBDS	4804.792	0.103651	0.09492	1.091981	0.274841	0.373914	4501.485	4837.478	4551.475	5008.893	5313.551	4615.871
21018	MED15	1390.667	0.103618	0.11806	0.877672	0.380122	0.480804	1359.553	1302.84	1367.112	1372.758	1317.692	1624.047
25907	LOC119615	6.787245	0.103599	0.997436	0.103865	0.917276	0.941288	4.336691	9.853413	5.565851	2.232127	10.69555	8.039836
20056	TRIM56	1992.235	0.103542	0.10157	1.019411	0.308008	0.408276	1952.595	1915.941	1900.042	1946.415	2004.347	2234.069
18829	ARFGAP3	4082.631	0.103517	0.085263	1.214092	0.224713	0.317261	3970.783	3900.857	3941.318	4133.899	4154.153	4394.775
20095	LOC103240	4866.224	0.103357	0.101984	1.01346	0.31084	0.411211	4662.485	4997.87	4422.069	4886.126	4712.461	5516.332
25684	LOC119620	16.005	0.103286	0.749218	0.137858	0.890352	0.921586	22.76763	12.04306	10.43597	20.08914	25.66933	5.024897
21895	MCEE	490.2519	0.103212	0.13856	0.744889	0.456339	0.554089	457.5209	459.8259	503.0138	488.8358	502.691	529.6242
25618	GABRB2	20.12099	0.103164	0.697917	0.147817	0.882487	0.915797	8.131296	26.27577	22.95914	20.08914	34.22577	9.044815
21077	PPM1F	6352.732	0.103161	0.118711	0.86901	0.384842	0.485411	6579.844	5460.433	6344.374	6406.204	5867.581	7457.953
22161	RAB4B	498.9224	0.103085	0.147651	0.698165	0.485074	0.581909	478.1202	486.6491	483.5333	462.0503	496.2737	586.908
23086	MTRF1	245.9472	0.103083	0.187837	0.54879	0.58315	0.671542	223.3396	248.525	240.7231	214.2842	284.5017	264.3096
21302	KMT2D	1827.98	0.102904	0.123505	0.833192	0.404736	0.505113	1645.377	1976.157	1671.842	1720.97	1856.748	2096.384
22898	ZNF671	304.5222	0.102891	0.177538	0.579543	0.562223	0.652751	306.8209	304.9084	271.3352	363.391	337.9795	342.698
24706	LOC103231	70.60847	0.102853	0.345535	0.297664	0.76596	0.824214	59.08741	91.41777	52.87558	73.66019	81.28621	65.32367
24786	LOC103244	50.49633	0.102818	0.362352	0.283752	0.776601	0.832967	42.82482	49.81448	52.87558	51.33892	59.8951	46.22906
23324	FUOM	877.1824	0.102804	0.201423	0.510388	0.60978	0.695035	1003.402	556.7178	979.5898	930.797	810.7229	981.8649
24394	MEI1	94.48034	0.102761	0.295618	0.347616	0.728129	0.793527	113.2961	75.54283	83.48776	93.74933	113.3729	87.43321
19992	ELF2	2533.974	0.102597	0.099513	1.03099	0.302545	0.402314	2384.638	2614.439	2329.309	2591.499	2759.459	2524.508
25774	LOC119620	9.475397	0.102506	0.83392	0.12292	0.90217	0.930553	9.757555	8.211177	9.044508	6.696381	17.11289	6.029877
19450	BIN1	2771.52	0.102497	0.092318	1.110264	0.266885	0.364803	2716.395	2611.702	2695.959	2841.498	2746.618	3016.948
23738	LOC119621	137.2612	0.102455	0.229135	0.447139	0.654775	0.733304	127.9324	141.7797	125.9274	149.5525	149.7377	128.6374
19684	FAM91A1	6683.051	0.102409	0.095507	1.072271	0.283598	0.383025	6050.768	7034.242	6256.016	6801.291	6755.311	7200.678
24700	SARDH	65.8179	0.102371	0.342148	0.299201	0.764787	0.823152	67.7608	53.64636	67.48594	69.19594	85.56443	51.25395
20896	NBEA	1150.612	0.102236	0.114746	0.890976	0.372942	0.474482	1102.604	1166.535	1065.165	1124.992	1152.981	1291.399
21686	DOT1L	819.2549	0.102175	0.131088	0.779443	0.435719	0.534151	726.3957	833.1608	816.0929	819.1906	785.0536	935.6359
20579	USP4	2546.647	0.102097	0.108495	0.941033	0.346688	0.447847	2405.779	2687.792	2280.607	2544.625	2522.011	2839.067
21908	CKLF	3843.576	0.102023	0.137274	0.743205	0.457357	0.554996	4090.584	2887.05	4146.559	3921.847	4006.554	4008.863
23317	LOC103230	219.4083	0.101898	0.199373	0.511094	0.609286	0.69468	222.7975	192.689	222.634	203.1236	213.9111	261.2947
21430	TP53I11	4555.06	0.101865	0.12515	0.813941	0.415679	0.51567	3841.766	5211.908	4131.949	4578.092	4564.862	5001.783
23518	B4GALT1	173.4762	0.101758	0.211773	0.480505	0.630868	0.713147	167.5047	165.3184	171.8456	171.8738	158.2942	206.0208
24799	LOC119618	49.89364	0.101672	0.361323	0.281389	0.778412	0.834472	49.87195	49.26706	44.52681	60.26743	49.19955	46.22906
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25678	LOC119621	15.58691	0.100452	0.723205	0.138899	0.88953	0.92095	15.17842	12.59047	16.69755	8.928508	32.08666	8.039836
21581	POFUT2	2071.821	0.100276	0.126661	0.791689	0.428542	0.527909	2243.695	1805.912	1955.005	2142.842	1901.669	2381.801
22435	TMEM1201	829.6937	0.100254	0.154065	0.650721	0.515227	0.610533	880.3483	668.3898	857.8368	868.2974	746.5496	956.7405
20764	WDSUB1	1282.54	0.099984	0.109974	0.909165	0.363263	0.465101	1239.209	1187.884	1289.886	1223.206	1388.283	1366.772
19974	ALDH7A1	3829.356	0.099955	0.096685	1.033831	0.301215	0.400912	3716.002	3962.714	3413.258	3921.847	3876.069	4086.247
20735	TFIP11	1618.111	0.099924	0.109449	0.912975	0.361256	0.463177	1479.354	1690.955	1519.477	1580.346	1672.785	1765.749
23679	CTSK	185.0247	0.099733	0.218478	0.456488	0.648039	0.72757	171.8414	188.3097	178.1072	147.3204	207.4937	217.0756
22950	CUNH11or	241.1108	0.099659	0.174539	0.570987	0.568008	0.657952	234.7234	230.4604	233.07	247.7661	252.4151	248.2299
24994	LOC103231	43.18142	0.099656	0.404374	0.246445	0.805338	0.856602	49.87195	34.48694	40.35242	55.80317	36.36488	42.20914
23162	THAP3	714.3925	0.099597	0.186002	0.53546	0.592332	0.67987	800.6616	493.218	777.8277	694.1915	714.463	805.9935
21041	RBMXL1	1475.045	0.099461	0.113709	0.874698	0.381738	0.482275	1384.489	1573.809	1312.149	1520.078	1574.385	1485.36
21862	LOC103211	3348.841	0.099233	0.132229	0.75046	0.452978	0.550812	3493.747	2583.236	3625.456	3368.28	3520.976	3501.348
20788	CLASP1	3931.994	0.099144	0.109413	0.90614	0.364862	0.466608	3524.103	4143.907	3729.12	3964.258	3758.417	4472.159
25803	LOC103231	9.956975	0.098558	0.822329	0.119852	0.9046	0.932016	8.131296	14.23271	6.957314	8.928508	6.417332	15.07469
21154	SPTY2D1	2704.761	0.098538	0.114853	0.857949	0.390921	0.491284	2460.53	2988.869	2387.75	2691.945	2883.521	2815.952
20990	DEDD	1184.535	0.0984	0.111796	0.880176	0.378764	0.479726	1090.678	1198.832	1147.261	1189.724	1172.233	1308.483
21629	C1GALT1C	927.8918	0.098356	0.125137	0.785992	0.431872	0.53083	831.5605	966.7293	887.0575	953.1182	1037.469	891.4168
20424	DNAL1	1431.565	0.098325	0.102639	0.957968	0.338079	0.440062	1393.704	1423.271	1328.151	1537.935	1480.265	1426.066
22306	SNUPN	606.5484	0.09831	0.145873	0.673939	0.50035	0.596333	659.7191	532.6317	567.0211	566.9603	656.707	656.2516
22007	SALL2	1067.174	0.098219	0.135506	0.724828	0.468558	0.566029	958.9508	1193.905	942.716	1053.564	1060.999	1192.911
21261	ABCF3	1603.807	0.098207	0.116793	0.840859	0.400427	0.500703	1502.663	1587.494	1564.7	1616.06	1486.682	1865.242
25260	LOC119621	37.83334	0.098078	0.476696	0.205746	0.836989	0.880893	39.03022	32.2973	36.87376	64.73168	29.94755	24.11951
25602	LOC119621	15.00151	0.097991	0.650192	0.15071	0.880204	0.914	13.55216	13.13788	16.69755	11.16063	21.39111	14.06971
21626	ZNFA46	1152.976	0.097956	0.124605	0.786135	0.431788	0.530776	1189.337	1036.798	1120.128	1032.116	1060.999	1307.478
25357	LOC103231	29.03202	0.097741	0.516881	0.189099	0.850015	0.89118	23.30971	21.34906	39.65669	20.08914	40.6431	29.1444
25331	LOC103211	29.11177	0.097543	0.501715	0.19442	0.845847	0.887721	30.35684	18.612	34.78657	35.71403	32.08666	23.11453
21236	LTBP4	2027.794	0.09744	0.115299	0.845108	0.398051	0.49833	1966.689	1814.67	2103.196	2066.95	1903.808	2311.453
21638	TBK1	1530.769	0.097341	0.124199	0.78375	0.433187	0.532224	1426.229	1688.765	1320.498	1535.703	1672.785	1540.634
21480	PPP2R2D	1265.135	0.097336	0.120611	0.807026	0.419652	0.519324	1142.718	1360.318	1166.046	1345.973	1215.015	1360.742
20891	ASH2L	1229.204	0.097136	0.108999	0.891163	0.372842	0.474423	1215.358	1222.371	1127.781	1292.402	1195.763	1321.548
25942	LOC119621	7.103655	0.097103	0.996065	0.097486	0.92234	0.945201	7.589209	4.926706	7.653045	4.464254	14.97377	3.014938
21752	SKP1	11011.44	0.097017	0.126301	0.768145	0.442401	0.540696	11262.93	8572.469	12087.64	11490.99	11707.35	10947.24
21931	CCDC51	739.3581	0.09684	0.130934	0.739613	0.459535	0.557053	726.9378	700.6871	721.4734	736.6019	695.211	855.2375
22233	ANAPC2	1453.764	0.096738	0.140827	0.686926	0.492129	0.588435	1551.451	1186.789	1481.908	1488.829	1326.249	1687.361
24389	LOC103221	104.5723	0.096702	0.277688	0.348239	0.727661	0.79318	120.8853	85.39624	96.01093	100.4457	126.2075	98.48799
22716	UPF2	1976.878	0.096681	0.159426	0.606433	0.544227	0.636931	1645.774	2477.586	1607.835	2013.379	2085.633	2031.064
20360	SGMS1	1726.997	0.096646	0.099845	0.967966	0.333061	0.434894	1607.828	1768.688	1630.794	1761.148	1809.688	1783.839
21226	MAP2K7	1623.604	0.096491	0.113902	0.847144	0.396915	0.497126	1592.108	1475.275	1644.709	1743.291	1497.377	1788.863
21287	CD55	1490.515	0.096486	0.115426	0.835915	0.403203	0.503554	1367.142	1559.029	1399.812	1397.311	1578.664	1641.131
22336	ABRACL	577.8787	0.096271	0.143392	0.668921	0.503546	0.599335	602.8	485.5543	586.5015	604.9064	609.6465	577.8632
23170	FOS	353.087	0.09627	0.180198	0.534246	0.593171	0.680598	371.8712	302.7187	353.4315	308.0335	359.3706	423.0964
23403	LOC103211	299.551	0.096204	0.192995	0.498476	0.618148	0.702195	263.454	329.5419	275.5096	363.8367	252.4151	312.5486
22560	KIF21B	425.0602	0.096169	0.152406	0.63101	0.528034	0.622242	395.723	420.9597	417.4388	381.6937	481.2999	453.2457
21545	ZNFA64	1305.243	0.096154	0.120464	0.7982	0.424755	0.524117	1172.533	1332.4	1283.624	1415.169	1193.624	1434.106
25722	LOC119611	11.3491	0.09607	0.730782	0.131462	0.89541	0.925452	9.757555	11.49565	11.82743	13.39276	8.556443	13.06473
25371	LOC119621	23.59176	0.095865	0.51355	0.186671	0.851919	0.892683	21.14137	21.89647	25.04633	24.5534	27.80844	21.10457
21526	ULK4	787.0914	0.095796	0.119665	0.800539	0.423399	0.522901	784.9411	755.4283	742.3454	765.6196	864.2007	810.0135
20968	PUM2	4627.284	0.095786	0.108467	0.883085	0.37719	0.478211	4330.728	4985.279	4109.685	4629.431	4552.027	5156.55
20123	IREB2	5112.427	0.095738	0.094899	1.008838	0.313052	0.413581	4859.804	5298.946	4673.923	5049.071	5232.265	5560.551
25345	LOC103231	32.13428	0.09572	0.501984	0.190683	0.848774	0.8903	22.22554	47.62483	22.95914	33.4819	36.36488	30.14938
25741	LOC119621	11.0039	0.095689	0.743278	0.128739	0.897564	0.926994	9.757555	12.04306	10.43597	11.16063	8.556443	14.06971
20393	TFE3	3558.124	0.095671	0.099391	0.962577	0.33576	0.437708	3416.228	3557.629	3354.121	3522.296	3467.498	4030.973
21083	FTO	3920.606	0.095588	0.110193	0.86746	0.38569	0.486343	3536.029	4299.372	3539.881	3921.847	3957.355	4269.153
25005	PRRT4	42.24193	0.095563	0.390479	0.244733	0.806663	0.857634	41.19856	38.86624	43.13534	44.64254	36.36488	49.24399
21839	MTRF1L	1336.837	0.095533	0.126602	0.754591	0.450494	0.548413	1186.085	1491.15	1200.832	1323.651	1230.369	1398.931
25945	LOC119611	6.78992	0.095454	0.98634	0.096776	0.922904	0.945669	5.420864	6.568942	7.653045	2.232127	12.83466	6.029877
21844	ELL	780.9738	0.095268	0.126338	0.754071	0.450807	0.548676	786.5673	741.743	740.9539	816.9585	727.2976	872.3222
22739	FAM89B	659.4488	0.09521	0.157966	0.602725	0.546692	0.639144	642.3723	550.1489	724.9521	683.0309	590.3945	765.7944
25913	LOC119621	9.191693	0.095125	0.924769	0.102863	0.918072	0.94188	11.9259	3.831883	11.1317	2.232127	14.97377	11.05477
24247	CLIP3	162.8652	0.094911	0.257379	0.368759	0.712307	0.780991	141.4845	207.4691	124.5359	158.481	158.2942	186.9262
22467	GCC1	746.443	0.094525	0.146309	0.646062	0.518239	0.613228	797.409	698.4975	675.5552	714.2806	699.4892	893.4267
25559	LOC119621	20.61676	0.094438	0.604667	0.156183	0.875889	0.911049	26.56223	12.59047	21.56767	17.85702	14.97377	30.14938
21819	CHD7	4190.868	0.094333	0.124568	0.757277	0.448884	0.546946	3782.137	4786.021	3596.235	4073.632	4295.334	4611.851
25424	ZFR2	22.56869	0.094172	0.530624	0.177475	0.859135	0.898368	22.76763	18.06459	24.3506	22.32127	27.80844	20.09959
21804	SLC25A28	1333.913	0.094078	0.1239	0.759304	0.447671	0.545832	1314.017	1417.249	1141.695	1410.704	1270.632	1449.18
24736	LRRC73	65.62366	0.094022	0.321188	0.292732	0.769727	0.827264	61.25576	63.49977	66.79021	69.19594	55.61688	77.38342
21264	MAU2	2154.179	0.094019	0.111886	0.840311	0.400734	0.501012	2174.851	2047.32	2034.319	2316.948	1948.73	2402.906
23661	LOC103221	173.2533	0.094017	0.204252	0.460299	0.645302	0.725047	166.4205	176.814	158.6268	178.5702	188.2417	170.8465
26058	TRNAK-UU	3.772511	0.093989	1.232485	0.07626	0.939212	0.958207	4.336691	3.284471	3.478657	2.232127	4.278221	5.024897
21817	ARHGFE18	1521.121	0.093834	0.123838	0.757712	0.							



20971	CAMK2G	1504.983	0.093474	0.105869	0.882916	0.377281	0.478281	1483.69	1482.391	1406.073	1433.026	1593.637	1631.082
21773	LOC103232	693.4746	0.09347	0.122344	0.763996	0.44487	0.543189	675.4396	648.1356	691.557	683.0309	723.0194	739.6649
22008	TOR3A	838.1244	0.093144	0.128524	0.724725	0.468621	0.56608	843.4864	825.497	767.3917	895.0829	763.6625	933.6259
26192	LOC103235	2.384051	0.09308	1.611075	0.057775	0.953928	0.968204	2.168345	3.831883	0.695731	4.464254	2.139111	1.004979
25779	LOC103240	11.26026	0.093024	0.75977	0.122437	0.902553	0.930772	8.131296	12.04306	12.52316	6.696381	17.11289	11.05477
20832	LOC119627	1621.67	0.092784	0.103096	0.899977	0.368133	0.469797	1474.475	1608.296	1623.837	1665.167	1741.236	1617.012
23556	EEF1AKMT	281.1156	0.092756	0.195017	0.475631	0.634337	0.715905	298.1475	232.1026	289.4243	249.9982	282.3626	334.6582
22311	RAB40C	637.0632	0.092631	0.137554	0.673411	0.500686	0.596636	658.0929	547.4118	646.3344	656.2453	628.8985	685.396
25668	LOC103225	15.66621	0.092555	0.661467	0.139924	0.88872	0.92047	16.26259	18.06459	11.1317	8.928508	23.53022	16.07967
19429	STARD3NL	4479.35	0.092525	0.083109	1.113294	0.265582	0.3634	4413.125	4314.7	4277.356	4732.109	4586.253	4552.557
21677	CLUH	6083.803	0.092486	0.118515	0.780375	0.43517	0.533699	6256.761	5234.899	6182.269	6176.295	5574.522	7078.07
24220	LOC103218	129.4522	0.09237	0.249041	0.370904	0.710709	0.780107	138.7741	105.6505	132.8847	136.1597	115.512	147.732
22496	ARSB	969.2751	0.092343	0.144383	0.639569	0.522453	0.617417	899.3213	1099.75	818.1801	991.0644	921.9567	1085.378
22142	DNAJC5	4876.105	0.092228	0.13154	0.701143	0.483214	0.580197	5282.632	3932.059	4952.216	4828.091	4590.531	5671.099
23519	LOC103245	308.043	0.092111	0.191757	0.480353	0.630976	0.713232	311.6997	243.0508	340.9084	343.7476	280.2235	328.6283
22982	DPH6	337.6282	0.092079	0.162361	0.567127	0.570628	0.660088	325.2518	332.279	323.5151	305.8014	387.179	351.7428
23813	LOC103247	634.3276	0.092018	0.211543	0.434987	0.663572	0.740827	462.9418	850.1305	528.7558	591.5136	729.4367	643.1869
20744	HMG20B	2314.656	0.091945	0.100909	0.911167	0.362207	0.464198	2251.285	2160.087	2317.481	2357.126	2233.232	2568.728
21676	DCAF11	2369.873	0.091657	0.117448	0.780406	0.435152	0.533699	2395.48	2293.656	2201.99	2399.537	2149.806	2778.768
25698	PGF	18.04256	0.091319	0.676851	0.134917	0.892678	0.923458	18.97302	11.49565	21.56767	8.928508	34.22577	13.06473
22113	CGREF1	950.9767	0.091263	0.12923	0.706209	0.480058	0.577101	982.8026	831.5185	953.152	948.654	913.4003	1076.333
24181	LOC103215	134.2092	0.091252	0.241988	0.377093	0.706104	0.77632	142.5687	126.9995	118.2743	138.3919	160.4333	118.5876
25811	LOC119625	11.34245	0.091246	0.768931	0.118666	0.90554	0.932695	10.84173	10.40082	11.1317	20.08914	8.556443	7.034856
22032	MAN2B2	969.0429	0.091212	0.12667	0.720071	0.471481	0.568915	890.6479	1003.406	926.0185	993.2965	898.4265	1102.462
22108	ZNF197	1333.837	0.091087	0.128779	0.707308	0.479375	0.576451	1279.324	1479.107	1116.649	1343.74	1388.283	1395.916
20778	UBE2A	3129.115	0.091067	0.100403	0.907016	0.364398	0.46624	2811.26	3283.376	2997.211	3323.637	3091.015	3268.193
25305	LOC119625	30.88444	0.090781	0.457669	0.198356	0.842767	0.885396	28.73058	29.01283	31.30791	40.17829	29.94755	26.12947
22274	GLA	1231.874	0.090765	0.13387	0.678011	0.497764	0.594104	1346	1047.746	1189.005	1292.402	1142.285	1373.807
25891	TKTL2	9.888428	0.090611	0.859862	0.105378	0.916076	0.94063	10.84173	8.758589	8.348776	13.39276	14.97377	3.014938
21322	FBXW8	2063.716	0.090433	0.109058	0.829215	0.406983	0.50744	1888.087	2174.32	1939.699	2029.003	2057.824	2293.363
20701	KAT5	1491.803	0.090353	0.098084	0.921177	0.356958	0.458419	1454.96	1452.284	1428.337	1569.185	1497.377	1548.673
22191	COMMD3	773.8118	0.090309	0.130269	0.693247	0.488155	0.584813	737.2375	684.2648	828.6161	758.9232	827.8358	805.9935
20254	CBFL	3403.418	0.090248	0.091445	0.986902	0.32369	0.42489	3292.633	3446.505	3155.142	3412.922	3463.22	3650.085
20283	MYL12B	15659.93	0.090243	0.09197	0.981227	0.326481	0.42792	14246.57	16218.72	15040.32	16307.92	16924.64	15221.42
24559	LOC103225	109.5167	0.090157	0.279736	0.322295	0.747229	0.808872	90.52842	125.9047	102.2725	87.05295	134.764	116.5776
20634	CUNH6orf1	2008.463	0.090038	0.096813	0.930027	0.352357	0.453935	1959.1	2031.445	1846.471	2033.468	2107.024	2073.273
25939	CDC14C	7.181755	0.089931	0.913373	0.09846	0.921567	0.944518	9.215468	6.02153	5.565851	6.696381	8.556443	7.034856
24652	PRELID2	93.36592	0.089928	0.292958	0.306966	0.758869	0.81834	74.26583	113.3142	83.48776	102.6778	91.98176	94.46807
22031	NABP1	1473.591	0.089923	0.124833	0.720346	0.471312	0.568737	1330.28	1636.761	1317.715	1424.097	1550.855	1581.838
22004	SLC35A2	1387.624	0.089906	0.123871	0.725802	0.46796	0.565384	1404.004	1240.435	1394.246	1446.418	1257.797	1582.843
23083	TOR2A	327.2609	0.089902	0.163762	0.548982	0.583018	0.67147	289.4741	345.4169	315.862	330.3548	350.8141	331.6432
21569	EPN2	2678.199	0.089754	0.113024	0.794114	0.427129	0.52646	2398.19	2945.076	2442.713	2808.016	2631.106	2844.092
26207	LOC119626	2.698245	0.089541	1.623706	0.055146	0.956022	0.969826	2.168345	3.284471	2.087194	2.232127	6.417332	0
20263	NEK6	4147.303	0.08943	0.090742	0.985542	0.324358	0.425557	4157.802	3790.827	4111.772	4160.685	4224.744	4437.989
21772	COP55	2161.305	0.089395	0.116983	0.764168	0.444767	0.543089	2262.126	1799.343	2222.862	2191.949	2235.371	2256.179
25219	LOC119625	51.69881	0.089289	0.422591	0.211129	0.832661	0.877762	55.8349	49.26706	43.13534	55.80317	77.00798	29.1444
22710	TMEM9	2374.431	0.088954	0.146484	0.607263	0.543676	0.636468	2627.493	1844.23	2436.451	2448.643	2156.224	2733.544
22288	NDST2	1164.272	0.08889	0.131456	0.676196	0.498916	0.595104	1155.728	1144.638	1090.907	1205.349	1018.217	1370.792
21076	DYNC1H1	43672.25	0.088822	0.10221	0.869017	0.384838	0.485411	41408.35	44678.66	40906.92	43059.96	41327.62	50651.97
25322	LOC119625	37.58068	0.088742	0.452241	0.196228	0.844432	0.886541	29.81475	38.31883	40.35242	58.0353	27.80844	31.15436
22307	TTL1	1132.86	0.088739	0.131716	0.673713	0.500494	0.596478	1055.442	1269.995	967.0666	1169.635	1189.346	1145.677
24581	LCA5L	86.53477	0.088731	0.278181	0.318968	0.749751	0.810875	87.27591	85.94365	77.92191	98.21359	83.42532	86.42823
22230	RASAL2	2364.826	0.088678	0.129031	0.687261	0.491918	0.588288	2068.602	2712.973	2097.63	2383.912	2320.935	2604.907
25746	FBXL22	13.66303	0.088672	0.692524	0.128041	0.898116	0.927356	14.09425	16.96977	8.348776	13.39276	17.11289	12.05975
24351	LOC119625	134.7825	0.088444	0.250071	0.353674	0.723583	0.78996	113.8381	147.2538	132.8847	111.6063	143.3204	159.7917
21258	PHLPP2	1802.371	0.088372	0.105068	0.841092	0.400297	0.500606	1869.656	1675.628	1700.367	1792.398	1805.409	1970.765
19592	SAP18	7840.245	0.088365	0.081296	1.086951	0.277059	0.375949	7391.348	7674.166	7735.141	8307.977	7854.814	8078.025
23420	SNRNP35	576.3446	0.088297	0.177881	0.496385	0.619623	0.703359	456.9788	706.1612	513.4498	600.4422	569.0034	612.0325
21876	CCDC117	1517.403	0.088245	0.117884	0.748578	0.454111	0.551863	1427.855	1648.804	1336.5	1495.525	1612.889	1582.843
25808	LOC119625	11.61886	0.088004	0.739017	0.119083	0.90521	0.932463	15.17842	9.306001	9.044508	11.16063	14.97377	10.04979
23708	LOC119625	271.0239	0.087989	0.194327	0.452787	0.650702	0.729666	258.5752	229.913	302.6431	238.8376	286.6408	309.5337
24516	LRFN1	124.2287	0.087828	0.267421	0.328426	0.74259	0.80526	97.57555	153.2753	110.6213	122.767	130.4858	130.6473
22962	RSRC2	4412.812	0.087794	0.154216	0.569294	0.569157	0.65896	3640.11	5557.872	3637.284	4689.699	4370.203	4581.701
20512	HERPUD1	3538.726	0.087742	0.092913	0.944434	0.344996	0.447139	3550.666	3378.626	3365.253	3816.937	3405.464	3715.409
21990	CEP57L1	1222.155	0.087715	0.120281	0.729252	0.465847	0.56319	1189.88	1305.03	1057.512	1279.009	1283.466	1218.035
21702	MEMO1	1539.401	0.087539	0.11261	0.777366	0.436943	0.535246	1587.771	1347.18	1545.219	1504.454	1625.724	1626.057
25188	LOC103215	51.37835	0.087477	0.404411	0.216308	0.828748	0.874713	53.12446	34.48694	61.22436	71.42806	42.78221	45.22408
22189	RNF166	709.7024	0.087328	0.125938	0.693424	0.488044	0.584733	661.8875	700.6871	704.0801	763.3874	667.4025	760.7695
21690	SPAST	1809.189	0.08721	0.112007	0.778613	0.436207	0.534651	1699.983	1915.394	1652.362	1834.808	1747.653	2004.934
20470	REEP2	3230.865	0.087189	0.091706	0.950744	0.							



25137	LOC103221	44.59226	0.086776	0.385493	0.225104	0.821898	0.869243	43.909	48.17224	36.87376	51.33892	47.06043	40.19918
25715	LOC103231	19.65033	0.086723	0.653076	0.132792	0.894358	0.92458	25.47806	7.663765	24.3506	22.32127	14.97377	23.11453
20897	CXADR	6074.62	0.086681	0.097305	0.890811	0.37303	0.474566	5591.621	6445.227	5641.686	5937.458	6410.915	6420.814
21505	PLEKHM2	3770.375	0.086673	0.107979	0.802688	0.422155	0.521854	3685.645	3685.176	3607.367	3950.865	3396.908	4296.287
24174	GMPR	143.5404	0.086493	0.228442	0.378621	0.704969	0.77528	133.3532	157.1072	128.0146	138.3919	147.5986	156.7768
22014	TMBIM4	2219.247	0.086415	0.119449	0.723451	0.469403	0.56687	2383.012	1835.472	2240.255	2292.394	2276.014	2288.338
21707	TNK52	3958.593	0.086373	0.111205	0.776697	0.437337	0.535616	3470.979	4232.588	3822.348	3774.527	4032.224	4418.895
26029	ZACN	5.148229	0.086372	1.064074	0.081171	0.935306	0.955285	3.794605	4.926706	6.261582	4.464254	6.417332	5.024897
26746	LOC103221	0.439427	0.086345	3.758204	0.022975	0.98167	NA	1.084173	0.547412	0	0	0	1.004979
23256	GOLT1A	524.5669	0.086241	0.165434	0.521304	0.602155	0.688291	574.0695	408.3692	545.4534	531.2462	530.4994	557.7636
21353	RTN2	1385.645	0.086221	0.104668	0.823759	0.410076	0.510555	1368.226	1315.978	1351.806	1448.65	1334.805	1494.404
22321	LOC103221	1980.562	0.086195	0.128263	0.672018	0.501572	0.597388	2128.231	1668.511	1973.094	1964.272	1876	2273.264
22382	UBE4B	1948.53	0.086177	0.130339	0.661179	0.508497	0.603985	1669.084	2163.919	1842.992	1948.647	1837.496	2229.044
24442	LOC119621	129.9615	0.086093	0.254092	0.338827	0.73474	0.79916	120.8853	151.0857	106.4469	116.0706	147.5986	137.6822
22968	LOC119621	703.5693	0.086089	0.151355	0.568788	0.5695	0.659172	615.8101	636.6399	792.438	796.8693	729.4367	650.2217
25833	LOC103241	14.30826	0.086003	0.753656	0.114115	0.909147	0.935533	18.97302	8.758589	13.91463	4.464254	25.66933	14.06971
23940	TSSC4	691.9108	0.085988	0.206121	0.417173	0.676552	0.751301	748.0792	442.3087	825.1374	729.9055	650.2896	755.7446
23149	CRELD2	811.8782	0.085949	0.160026	0.537093	0.591203	0.678955	866.254	697.9501	803.5697	868.2974	667.4025	967.7952
25695	LOC119621	18.54171	0.085925	0.634189	0.135487	0.892226	0.923137	21.14137	18.612	15.30609	8.928508	17.11289	30.14938
20686	PIK3C3	5205.408	0.085612	0.092678	0.923766	0.355608	0.457016	4889.619	5474.666	4788.719	5307.998	5377.724	5393.725
22064	ARFGAP1	1689.777	0.085584	0.119782	0.714497	0.47492	0.572233	1789.427	1500.456	1634.273	1720.97	1585.081	1908.456
21649	CYTH2	1301.514	0.085398	0.109014	0.783363	0.433414	0.532418	1273.361	1309.409	1210.573	1276.777	1304.858	1434.106
24712	LOC119621	166.5663	0.085322	0.287927	0.296331	0.766977	0.825109	117.0907	230.4604	135.6676	187.4987	183.9635	144.717
25843	LOC103211	14.82435	0.084624	0.751034	0.112676	0.910287	0.936423	8.673382	20.25424	15.30609	11.16063	6.417332	27.13445
22609	NUMB	1825.485	0.084613	0.13578	0.62316	0.533179	0.626944	1546.572	2120.673	1650.971	1828.112	1809.688	1996.894
22578	MIB2	934.1693	0.084601	0.134579	0.628637	0.529587	0.623575	934.0148	780.0618	1006.723	1008.921	915.5394	959.7554
23257	DNAJC30	765.3141	0.084541	0.162156	0.521355	0.60212	0.688291	606.5946	908.1562	715.2118	765.6196	772.219	824.0832
22057	TSFM	1203.516	0.084506	0.118168	0.715135	0.474525	0.571917	1242.462	1063.621	1202.92	1187.492	1200.041	1324.563
23771	ADPRM	250.0875	0.084404	0.191232	0.441369	0.658946	0.736952	281.8849	232.65	212.8938	254.4625	267.3888	251.2449
26248	TRNAD-GU	2.08971	0.084217	1.722893	0.048881	0.961014	0.973353	3.252518	1.642235	1.391463	2.232127	0	4.019918
22572	LOXL3	724.349	0.084058	0.133502	0.629636	0.528933	0.62297	773.0152	649.7778	690.1655	720.977	710.1847	801.9736
23543	ZNFE53	294.4356	0.083804	0.175449	0.477655	0.632896	0.714672	259.6594	303.8136	297.0773	290.1765	280.2235	335.6631
22100	CEP250	4003.124	0.083691	0.117983	0.709346	0.47811	0.575138	3702.992	4454.837	3507.182	4035.686	3858.956	4459.094
22366	HERPUD2	3155.713	0.083458	0.125593	0.664514	0.506362	0.601903	2806.923	3645.215	2740.486	3648.19	3142.354	3251.109
22354	CALD1	3073.911	0.08327	0.12494	0.666477	0.505106	0.600709	2735.368	3519.858	2702.916	2995.514	3140.214	3349.597
24855	LOC119611	72.18843	0.083125	0.304122	0.273328	0.784601	0.839212	69.38706	64.59459	76.53045	66.96381	81.28621	74.36848
22870	AP1G2	770.4221	0.083078	0.142425	0.583308	0.559686	0.650606	732.9008	804.6954	713.1247	741.0662	710.1847	920.5612
25440	LOC103241	28.53819	0.083045	0.476102	0.174426	0.86153	0.900306	33.06727	27.918	22.2634	29.01765	27.80844	31.15436
22824	LOC119611	715.1327	0.083015	0.140873	0.589286	0.555669	0.647205	735.0691	652.5149	701.993	687.4951	669.5416	844.1828
23683	KLHL25	476.4968	0.082953	0.181836	0.456196	0.648249	0.727694	550.7598	358.5547	480.7504	482.1394	464.187	522.5893
21574	GARRE1	1493.941	0.08274	0.104356	0.792857	0.427861	0.527253	1453.334	1479.107	1422.075	1613.828	1422.509	1572.793
26054	MESP1	5.13526	0.082712	1.075836	0.076882	0.938718	0.957849	7.047123	4.379295	3.478657	4.464254	6.417332	5.024897
23005	COX19	1016.187	0.082696	0.147109	0.562141	0.57402	0.663348	869.5065	1187.336	901.6679	1060.26	1099.503	978.85
22675	PGGT1B	2347.422	0.082596	0.135316	0.610393	0.541601	0.634821	2052.339	2777.02	2010.664	2392.84	2440.725	2410.946
22099	NT5DC1	869.4469	0.082593	0.1164	0.709557	0.477979	0.575007	801.7457	881.8804	851.5752	904.0114	859.9225	917.5463
24965	NKD1	62.89956	0.08259	0.327385	0.252272	0.800831	0.852797	52.58238	67.33165	63.31155	60.26743	70.59065	63.31371
22977	UNC45A	3658.599	0.082516	0.145264	0.568043	0.570006	0.659512	4068.9	2907.304	3692.246	3531.225	3354.126	4397.79
24809	LOC119621	100.6154	0.082453	0.295505	0.279025	0.780226	0.83608	74.80792	120.4306	98.09812	87.05295	119.7902	103.5129
22143	BRMS1	1405.707	0.082348	0.117526	0.70068	0.483503	0.580494	1417.014	1272.185	1413.03	1444.186	1306.997	1580.833
23891	CUNH11or	207.2858	0.082176	0.193887	0.423833	0.671687	0.747351	214.1241	186.6674	202.4578	234.3733	201.0764	250.0158
28400	LOC119611	0.440315	0.082152	3.755668	0.021874	0.982548	NA	0.542086	1.094824	0	0	0	1.004979
22409	TRAPPC14	997.0039	0.081987	0.125137	0.655182	0.51235	0.607829	1013.159	864.9107	1030.378	1049.1	956.1825	1068.293
25398	LOC103241	33.40183	0.081955	0.449648	0.182264	0.855375	0.895352	39.5723	27.918	30.61218	29.01765	32.08666	41.20416
22768	CYTH1	975.4232	0.081916	0.136914	0.598303	0.549638	0.641783	846.1968	1109.604	887.7532	988.8323	1001.104	1019.049
21924	GDI2	15510	0.081882	0.110535	0.740776	0.458829	0.55635	13603.66	17493.09	14111.52	15901.67	16291.47	15658.59
23081	CASP9	1136.522	0.081857	0.149103	0.548996	0.583008	0.67147	1264.145	908.7036	1143.782	1162.938	1048.164	1291.399
21515	HS2ST1	2714.239	0.081724	0.101918	0.801865	0.422631	0.522224	2644.839	2835.046	2435.06	2683.017	2768.009	2919.465
22284	RNF5	1309.781	0.081683	0.120748	0.676474	0.49874	0.595004	1343.832	1110.151	1364.329	1332.58	1371.17	1336.623
22187	AIFM1	4129.094	0.081583	0.117554	0.694005	0.487679	0.584349	3849.355	4605.376	3585.799	4158.453	4012.972	4562.607
24644	LOC119621	129.9957	0.081141	0.263301	0.308168	0.757955	0.817632	112.2119	129.1892	134.9719	138.3919	164.7115	100.4979
23250	HYKK	328.8337	0.081007	0.155082	0.522348	0.601428	0.687697	320.373	321.3307	317.2535	348.2118	325.1448	340.688
23677	ARV1	407.8213	0.080437	0.176044	0.456911	0.647735	0.727308	325.2518	469.6793	394.4797	408.4792	429.9612	419.0764
23748	SEC63	2272.072	0.080368	0.180665	0.444844	0.656432	0.734851	1860.44	3025.545	1741.416	2299.091	2207.562	2498.379
22695	ANKRD46	629.4519	0.080139	0.131584	0.609036	0.5425	0.635487	634.2411	558.9075	644.2472	642.8526	633.1768	663.2864
26367	LOC119621	1.042471	0.080104	2.527288	0.031696	0.974715	0.982733	1.626259	0	1.391463	2.232127	0	1.004979
26368	LOC103231	1.042471	0.080104	2.527288	0.031696	0.974715	0.982733	1.626259	0	1.391463	2.232127	0	1.004979
22581	MTX2	1605.129	0.079933	0.127424	0.627305	0.530459	0.62451	1620.296	1320.357	1743.503	1667.399	1580.803	1698.415
21411	TIPRL	2389.079	0.079932	0.098005	0.815589	0.414735	0.514935	2257.79	2400.948	2304.262	2526.768	2558.376	2286.328
23027	TRIP4	784.4282	0.079774	0.14303	0.557741	0.577022	0.66618	705.7965	885.1649	699.9058	765.6196	780.7754	869.3072
21357	CTNNA1	11794.85	0.079773	0.096905	0.823213	0.410387	0.510846	11434.77	11940.69	11039.17	11729.83	11262.42	13



22615	TIMM17A	1878.719	0.079243	0.127257	0.6227	0.533482	0.627133	1988.915	1523.994	1971.007	1890.612	1888.835	2008.954
25620	LOC103232	26.69837	0.079122	0.535879	0.147648	0.88262	0.915865	23.30971	24.08612	29.91645	17.85702	44.92132	20.09959
24720	LOC10324	94.62607	0.079113	0.26752	0.295728	0.767438	0.825337	91.6126	88.1333	95.3152	100.4457	104.8164	87.43321
25288	LOC11962	57.01306	0.078995	0.394134	0.200427	0.841147	0.884255	37.94605	72.80577	54.96278	49.10679	77.00798	50.24897
24152	TNFRSF25	225.7328	0.078921	0.206176	0.382784	0.70188	0.772585	232.5551	200.3527	229.5914	194.195	220.3284	277.3743
27237	OTOS	0.441202	0.078594	3.993193	0.019682	0.984297	NA	0	1.642235	0	0	0	1.004979
28353	LOC10321	0.441202	0.078594	3.993193	0.019682	0.984297	NA	0	1.642235	0	0	0	1.004979
29481	LOC11962	0.441202	0.078594	3.993193	0.019682	0.984297	NA	0	1.642235	0	0	0	1.004979
25078	LOC11962	70.09405	0.078562	0.336045	0.233783	0.815153	0.864138	66.67662	52.55153	84.87923	84.82083	66.31243	65.32367
25984	LOC11962	8.243964	0.078553	0.865345	0.090776	0.927671	0.949127	9.215468	9.853413	4.87012	8.928508	8.556443	8.039836
26252	LOC11962	2.071215	0.07834	1.628046	0.048119	0.961621	0.973819	2.168345	1.094824	2.782925	2.232127	2.139111	2.009959
25703	LOC10324	26.04123	0.078198	0.582318	0.134288	0.893175	0.923825	33.06727	17.51718	24.3506	22.32127	44.92132	14.06971
26139	LOC11962	4.145423	0.078198	1.199384	0.065198	0.948016	0.964192	5.420864	2.737059	4.174388	2.232127	4.278221	6.029877
25122	LOC10323	91.70343	0.078195	0.343796	0.227447	0.820076	0.867798	106.2489	65.14201	93.92374	102.6778	121.9293	60.29877
23734	RPP38	675.977	0.078149	0.17442	0.448051	0.654116	0.732691	596.295	818.9281	559.368	725.4413	601.0901	754.7396
22253	MTCH1	6420.302	0.077856	0.113948	0.683259	0.494443	0.590697	6855.766	5669.544	6222.621	6506.65	5933.893	7333.335
22403	MTHFSD	1059.143	0.077853	0.118653	0.656141	0.511733	0.607259	1112.361	945.3802	1036.64	1046.868	1075.973	1137.637
25454	CUNH17or	33.39788	0.077852	0.454804	0.171177	0.864084	0.902443	26.56223	41.05589	29.22072	40.17829	34.22577	29.1444
20776	PSMB2	6964.276	0.077821	0.085775	0.907271	0.364264	0.46609	6689.888	6941.729	6702.676	7178.52	6776.703	7496.142
25807	TRNAD-GU	17.27819	0.077792	0.65164	0.119378	0.904976	0.932258	16.80468	8.758589	25.04633	17.85702	17.11289	18.08963
22254	SELENOK	1732.981	0.077792	0.113951	0.682677	0.494811	0.591088	1799.185	1555.197	1698.976	1912.933	1807.549	1624.047
26065	LOC11962	8.158029	0.077777	1.027344	0.075707	0.939652	0.958361	11.38381	7.663765	4.174388	4.464254	19.252	2.009959
23235	ARHGAP21	6156.84	0.077688	0.148337	0.523726	0.600469	0.687044	5069.05	7691.683	5213.115	6305.759	6137.109	6524.327
22618	SLC22A5	740.1988	0.077596	0.124726	0.622128	0.533858	0.627492	738.3216	695.213	731.2137	700.8879	761.5234	814.0334
22271	RFT1	1098.205	0.077578	0.114299	0.678726	0.497311	0.593643	1143.802	1019.281	1044.989	1060.26	1155.12	1165.776
21937	HMGXB3	3996.283	0.077432	0.104968	0.737678	0.46071	0.558325	4022.823	3767.836	3884.964	3948.633	3762.696	4590.746
25748	LOC11962	16.93021	0.077388	0.604938	0.127927	0.898207	0.927402	15.7205	14.23271	19.48048	20.08914	14.97377	17.08465
26388	LOC11962	1.414166	0.077317	2.579614	0.029972	0.976089	0.983376	0.542086	0	3.478657	4.464254	0	0
20731	TXNRD1	41159.35	0.077275	0.084592	0.913509	0.360975	0.462893	40542.64	41615.89	38018.24	41551.04	40797.12	44431.15
26296	CLDN34	2.061466	0.077264	1.868031	0.041361	0.967008	0.977656	0.542086	3.831883	1.391463	4.464254	2.139111	0
23145	PAK4	1317.638	0.077118	0.143456	0.537575	0.590871	0.6787	1347.627	1086.612	1419.292	1258.92	1240.684	1552.693
23142	SPRED3	750.3241	0.076915	0.142942	0.538808	0.590522	0.678378	673.8134	853.415	663.7277	785.7087	744.4105	780.869
26360	TFEC	1.362749	0.076892	2.331783	0.032976	0.973694	0.982005	2.710432	1.094824	0	2.232127	2.139111	0
21719	MET	21286.37	0.076786	0.099014	0.775506	0.438041	0.536181	20168.32	22465.23	19532.66	21517.7	20325.83	23708.47
22755	EPB41L3	5070.964	0.076709	0.127764	0.600396	0.548242	0.64052	4576.293	5882.487	4352.495	5182.999	4840.807	5590.701
22717	PRDX6	13373.31	0.0763	0.125892	0.606076	0.544465	0.63717	14758.3	10580.38	13724	13575.8	13010.07	14591.3
20853	NAP1L4	8110.527	0.076258	0.084915	0.89806	0.369153	0.470625	8084.134	7959.368	7650.262	8196.37	8021.665	8751.361
22140	ARID1B	3064.046	0.076247	0.108727	0.701275	0.483132	0.580129	2736.452	3341.402	2874.066	3113.817	3033.259	3285.278
21696	ARGFGEF2	6790.673	0.076206	0.097962	0.777907	0.436624	0.535013	6431.313	7113.617	6294.977	6825.844	6567.07	7511.217
24446	CAP2	247.4465	0.076108	0.225237	0.3379	0.735438	0.799759	211.4137	316.404	194.1091	256.6946	258.8324	247.2249
22594	ZNF644	4311.698	0.075979	0.121474	0.625474	0.53166	0.625572	3903.022	4971.594	3719.38	4439.701	4389.455	4447.034
22294	EDC4	3820.766	0.075953	0.112485	0.675224	0.499533	0.59568	3891.096	3467.306	3809.825	3874.972	3484.611	4396.785
22153	AP1B1	5198.52	0.075943	0.108654	0.69894	0.48459	0.581516	5398.096	4691.319	5103.19	5223.177	4842.947	5932.394
22015	SPATA20	2789.23	0.075904	0.104929	0.723385	0.469443	0.566893	2754.341	2641.809	2759.271	2785.694	2622.55	3171.715
24364	LOC10324	179.9058	0.075903	0.215644	0.351981	0.724853	0.79093	185.3935	181.1933	158.6268	214.2842	154.016	185.9212
23894	ZNF283	380.0451	0.075891	0.179067	0.423813	0.671703	0.747351	403.8543	379.3564	331.1681	328.1227	376.4835	461.2856
22180	PREB	2202.074	0.075738	0.109027	0.694672	0.487261	0.584032	2333.14	1973.967	2130.329	2171.86	2186.171	2416.976
23631	TMEM243	472.5567	0.075638	0.163122	0.463693	0.642868	0.723122	483.541	395.7787	505.101	437.4969	472.7435	540.679
21541	SMIM12	2002.132	0.075626	0.094718	0.798439	0.424616	0.524043	1896.218	1927.984	2023.187	2078.11	2081.355	2005.939
25819	LOC11962	19.10335	0.075552	0.640101	0.118031	0.906043	0.932924	18.97302	17.51718	18.78475	35.71403	8.556443	15.07469
22210	ACOT7	2705.668	0.075508	0.10933	0.690642	0.489791	0.586245	2778.193	2360.987	2770.402	2729.891	2626.828	2967.704
23501	ZNF2	360.0467	0.075406	0.155637	0.484503	0.628029	0.710444	347.4774	371.6926	334.6468	363.8367	348.675	393.952
22764	SLC15A4	1722.396	0.075397	0.125801	0.599335	0.548949	0.641092	1789.969	1516.331	1733.067	1600.435	1685.619	2008.954
21466	PIGK	4216.932	0.07534	0.093289	0.8076	0.419321	0.51918	3919.827	4381.484	4021.327	4127.203	4425.82	4425.93
22097	TGS1	1967.478	0.075265	0.105986	0.71014	0.477618	0.574624	1922.238	2075.786	1749.764	2049.093	1982.956	2025.034
22440	KMT2B	1803.426	0.075198	0.115592	0.650547	0.515339	0.610607	1799.098	1967.945	1724.022	1830.344	1809.688	1909.461
21720	MAPK8IP1	2262.465	0.075191	0.097	0.775169	0.43824	0.5364	2135.82	2266.832	2212.426	2314.716	2196.867	2448.13
21927	LPGAT1	4085.088	0.075079	0.101387	0.740525	0.458981	0.556484	3807.073	4362.872	3769.473	4218.72	3961.633	4390.755
23958	FREM2	244.5807	0.074946	0.181165	0.413689	0.679102	0.753565	232.013	253.9991	227.5042	238.8376	275.9453	239.1851
26094	LOC11962	7.474045	0.074883	1.041968	0.071867	0.942708	0.960446	6.505036	11.49565	3.478657	2.232127	17.11289	4.019918
22487	IPMK	1599.674	0.074815	0.116753	0.640798	0.521654	0.616719	1431.65	1756.645	1487.474	1595.971	1644.976	1681.331
20924	RIOK3	4231.602	0.074754	0.084241	0.887376	0.374876	0.476306	4019.57	4122.558	4224.481	4408.451	4258.969	4355.581
23042	MVK	736.7479	0.074751	0.134602	0.555346	0.578658	0.667634	763.7997	682.0751	711.7332	747.7625	675.959	839.1579
24229	LOC10322	216.3568	0.074751	0.201905	0.370228	0.711212	0.78037	193.5248	242.5034	194.8048	214.2842	245.9977	207.0258
26334	LOC10321	1.376048	0.074687	2.059008	0.036273	0.971064	0.98032	2.168345	0.547412	1.391463	0	2.139111	2.009959
26119	LOC11962	5.783589	0.074686	1.08977	0.068533	0.945361	0.962228	4.336691	6.02153	6.261582	2.232127	12.83466	3.014938
23674	EID2B	384.0255	0.074456	0.162746	0.457496	0.647315	0.72691	369.7029	423.1493	329.7767	383.9258	393.5964	404.0017
24936	GABRG3	111.406	0.074387	0.289499	0.256951	0.797217	0.849936	86.73382	142.3271	95.3152	122.767	119.7902	101.5029
22679	ATXN7	3023.606	0.074378	0.121842	0.610446	0.541566	0.634821	2751.088	3455.811	2631.256	3004.443	3093.154	3205.885
25927	LOC10323	13.76658	0.074294	0.740977	0.100265	0.920134	0.943442	15.7205	6.568942	17.39328	15.62489	19.252	8.039836
22503	COL7A1	67563.6	0.074277	0.116253	0.638926</								



24374	LOC119621	174.4647	0.073794	0.210486	0.350586	0.725899	0.791746	168.0468	188.3097	152.3652	185.2665	183.9635	168.8366
23699	LPAR5	338.7199	0.073789	0.162662	0.453637	0.65009	0.729256	308.4471	366.7659	314.4706	345.9797	352.9533	343.703
21204	PDGFC	4954.98	0.073765	0.086845	0.849381	0.395669	0.496079	4834.326	4945.866	4709.406	5033.446	4881.451	5325.386
21726	SDHA	8921.694	0.073566	0.095065	0.773857	0.439015	0.537201	8804.567	9079.92	8204.76	8959.758	8582.112	9899.048
24176	LOC119621	193.3059	0.073537	0.194451	0.37818	0.705297	0.775576	196.2353	188.3097	181.5859	196.4272	188.2417	209.0357
22112	MRPS9	2022.423	0.073509	0.104059	0.706421	0.479926	0.57701	1849.599	2149.139	1912.566	2111.592	2068.52	2043.123
25745	MPP4	25.42639	0.073269	0.571611	0.12818	0.898006	0.927306	30.35684	22.44388	20.17621	29.01765	38.50399	12.05975
25638	LOC103218	31.9004	0.07324	0.507547	0.144303	0.885262	0.917961	28.18849	33.93953	29.91645	26.78552	53.47777	19.09461
25534	LOC103221	33.50007	0.073239	0.457647	0.160035	0.872854	0.908781	28.18849	33.93953	34.78657	46.87467	32.08666	25.12449
23687	SF3A1	3515.555	0.073134	0.160676	0.455164	0.648991	0.728392	2722.9	4472.355	3085.569	3504.439	3493.168	3814.902
25175	LOC119615	69.14276	0.072977	0.334937	0.217883	0.82752	0.873868	79.14461	65.68942	57.7457	51.33892	85.56443	75.37346
23967	PIGH	313.1937	0.072935	0.177028	0.411996	0.680342	0.754659	297.6054	271.5163	346.4742	352.6761	297.3364	313.5536
21708	BIRC6	15473.88	0.072908	0.093893	0.776498	0.437455	0.53571	14776.73	16321.63	14155.35	15403.91	15350.26	16835.42
25302	LOC103220	49.72216	0.072834	0.366694	0.198623	0.842557	0.885336	50.95612	39.96106	54.26705	53.57105	51.33866	48.23901
24408	ZMYND12	225.7737	0.072615	0.21011	0.345604	0.729641	0.794719	247.7335	181.7407	232.3743	196.4272	248.1368	248.2299
22606	FBXW7	2494.726	0.072457	0.116193	0.623594	0.532894	0.626692	2271.884	2758.408	2266.693	2377.215	2695.279	2598.877
23599	PDLIM1	779.1251	0.072274	0.154303	0.468388	0.639507	0.720411	676.5238	925.6734	676.2509	783.4766	812.8621	799.9637
22184	ARCN1	9458.662	0.072239	0.10404	0.694342	0.487468	0.584175	8638.146	10413.41	8616.633	9627.164	9341.496	10115.12
21796	RHEB	8892.851	0.072105	0.094819	0.760444	0.446989	0.545203	8406.133	9227.721	8371.04	9314.666	9623.859	8413.688
24519	USP49	270.1669	0.071854	0.219149	0.327878	0.743004	0.80561	254.2385	271.5163	260.8993	252.2303	370.0661	212.0507
25118	WDR31	76.74972	0.071762	0.315027	0.227796	0.819805	0.86765	67.21871	78.8273	77.92191	62.49956	102.6773	71.35354
25387	LOC103231	52.71224	0.071595	0.390762	0.18322	0.854625	0.894884	53.66655	48.17224	51.48412	80.35657	36.36488	46.22906
25478	LOC103214	42.47959	0.071387	0.424662	0.168103	0.866502	0.904151	41.74065	29.01283	52.87558	46.87467	49.19955	35.17428
21998	MAZ	4804.184	0.071318	0.09796	0.728034	0.466593	0.563886	4493.896	4949.15	4619.656	4870.501	4575.558	5316.341
24971	LOC119621	291.8846	0.071246	0.283268	0.251514	0.801417	0.853216	198.4036	433.5502	219.8511	319.1942	340.1186	240.1901
25416	LOC103241	62.32948	0.071096	0.398735	0.178304	0.858484	0.897869	77.51835	41.05589	62.61582	53.57105	91.98176	47.23404
22040	FMNL3	2789.98	0.071025	0.098862	0.718421	0.472498	0.569935	2770.603	2718.994	2681.349	2763.373	2693.14	3112.421
24599	FBXO41	163.7899	0.071021	0.224363	0.316545	0.751589	0.812268	163.168	135.2107	182.2816	158.481	164.7115	178.8863
23956	ANAPC10	869.7227	0.070985	0.171553	0.413779	0.679036	0.753524	737.2375	1081.138	723.5606	919.6363	949.7651	806.9985
20631	ARF4	12142.29	0.070949	0.076222	0.930816	0.351948	0.453519	11963.3	11725.01	11842.04	12566.87	12398.29	12358.23
22545	SC5D	5646.438	0.070941	0.112002	0.63339	0.526479	0.620823	5072.844	6340.671	5105.973	5968.708	5859.024	5531.407
25744	TMEM88	23.79297	0.070882	0.552061	0.128394	0.897837	0.927177	17.34676	32.84471	18.78475	29.01765	25.66933	19.09461
22218	CHMP1B	2590.932	0.070833	0.102775	0.689206	0.490693	0.58714	2420.958	2735.417	2427.407	2736.588	2485.647	2739.574
22608	ATP5M1	4495.201	0.070806	0.113607	0.623257	0.533115	0.626896	4508.532	3820.934	4821.418	4783.448	4778.773	4258.098
24332	HOXA3	227.8574	0.070744	0.198028	0.357242	0.720911	0.787681	215.2083	212.9432	242.1145	198.6593	228.8848	269.3345
25670	ALB	32.25337	0.070696	0.506706	0.139521	0.889039	0.920728	31.9831	30.65506	30.61218	24.5534	55.61688	20.09959
22862	ARFGEF3	1856.972	0.070672	0.121003	0.584048	0.559188	0.65025	1761.781	1907.183	1773.419	1801.326	1711.289	2186.835
23117	LOC103231	629.5751	0.070404	0.130169	0.540869	0.588598	0.676899	600.0896	649.2304	596.2418	631.6919	611.7857	688.4109
22740	SMG9	1288.011	0.070383	0.116779	0.602705	0.546705	0.639144	1177.412	1363.603	1232.836	1227.67	1315.553	1410.991
23850	CCDC92	1394.851	0.070055	0.162817	0.430266	0.667002	0.743489	1163.317	1751.718	1168.133	1475.436	1341.222	1469.28
22890	STX6	1090.131	0.069975	0.120494	0.580733	0.561421	0.652048	1076.584	1139.711	978.1983	1040.171	1110.198	1195.926
22508	LUC7L	2486.891	0.069956	0.109623	0.63815	0.523376	0.618172	2381.928	2706.951	2188.771	2584.803	2560.515	2498.379
22410	NXPE3	2613.31	0.069931	0.106794	0.654815	0.512587	0.608082	2634.54	2409.707	2613.167	2575.875	2489.925	2956.65
23536	CCDC130	420.3989	0.069724	0.145849	0.478052	0.632613	0.714566	429.3324	390.852	412.5687	410.7114	425.683	453.2457
23962	RAB1F	291.936	0.069678	0.168736	0.412943	0.679649	0.754023	301.4	275.8956	279.684	281.248	288.7799	324.6084
21251	EID1	7683.49	0.069598	0.082675	0.841829	0.399884	0.500278	7516.57	7789.123	7188.992	7939.676	7739.302	7927.278
25333	LOC103221	56.84352	0.069557	0.358677	0.193927	0.846233	0.888055	48.78777	58.57306	59.13717	42.41041	74.86887	57.28383
22278	SSH1	3109.258	0.069232	0.102272	0.676942	0.498443	0.59478	2915.883	3297.061	2895.634	3051.318	3103.85	3391.806
21597	COPB1	10499.67	0.069224	0.08754	0.790769	0.429079	0.528178	10735.48	9863.813	10150.02	10524.48	10346.88	11377.37
23137	SLC7A6OS	661.9806	0.069223	0.128445	0.538929	0.589936	0.677851	627.736	697.4027	614.3308	674.1023	658.8461	699.4657
22704	RIN2	904.4754	0.069066	0.113566	0.608161	0.543081	0.635914	863.0015	928.4104	857.8368	910.7078	926.2349	940.6608
25754	PCDHB4	24.06663	0.069019	0.544711	0.126707	0.899172	0.928152	18.43094	26.82318	25.04633	15.62489	36.36488	22.10955
23506	STXBP1	683.1532	0.069005	0.142809	0.483196	0.628957	0.711343	600.0896	758.7128	644.2472	683.0309	663.1243	749.7147
22915	RAMAC	1469.325	0.068928	0.119433	0.577121	0.563858	0.654164	1514.589	1260.142	1531.305	1479.9	1448.178	1581.838
25651	LOC119621	28.0492	0.068661	0.484555	0.141698	0.887318	0.919627	21.14137	29.56024	31.30791	33.4819	25.66933	27.13445
24594	HARB11	162.7882	0.068634	0.216416	0.317139	0.751138	0.811947	177.2622	141.2322	157.931	169.6417	166.8506	163.8117
22840	NDUFAF3	2068.573	0.068451	0.116627	0.586927	0.557252	0.648623	2197.076	1802.08	2064.235	2075.878	1980.816	2291.353
23229	MBNL1	8799.183	0.068242	0.129994	0.524963	0.599609	0.686248	7690.579	10520.71	7562.6	8781.188	8999.239	9240.786
26206	LOC119621	5.526375	0.068197	1.237073	0.055128	0.956036	0.969826	4.336691	4.379295	6.957314	8.928508	8.556443	0
26024	REELD1	14.59278	0.068194	0.826266	0.082532	0.934224	0.954363	14.09425	16.42235	11.1317	26.78552	17.11289	2.009959
26295	RFPL4B	2.4224	0.068096	1.649234	0.041289	0.967065	0.977656	4.336691	1.642235	1.391463	0	2.139111	5.024897
22035	CNPY3	2546.536	0.067989	0.094544	0.719121	0.472067	0.569543	2628.035	2375.22	2458.019	2602.66	2554.098	2661.186
22569	KCTD10	2648.131	0.067976	0.107931	0.629808	0.52882	0.62292	2415.537	2896.356	2446.887	2665.16	2676.027	2788.818
24170	ZNF668	369.6129	0.067953	0.178939	0.379755	0.704127	0.774492	382.713	295.6024	405.6114	399.5507	342.2577	391.942
23807	SETMAR	435.9715	0.067823	0.155726	0.435524	0.663182	0.740567	388.6759	450.5199	441.7894	404.015	436.3786	494.4499
23715	TMEM138	543.1072	0.067711	0.149892	0.451731	0.651463	0.730241	481.3727	606.5323	505.101	531.2462	545.4732	588.918
22283	MED7	1608.66	0.067675	0.100047	0.676435	0.498765	0.595004	1583.976	1520.163	1609.922	1698.649	1567.968	1671.281
25893	LOC119615	14.85204	0.067675	0.643604	0.10515	0.916257	0.940744	14.09425	17.51718	11.82743	15.62489	14.97377	15.07469
22789	GTF3C1	9529.445	0.067606	0.113682	0.594696	0.552047	0.644002	8747.106	10533.3	8643.767	9557.968	8954.317	10740.22
23554	LOC103221	621.3428	0.067559	0.141834	0.47632	0.633846	0						



23524	LOC103245	471.6937	0.066842	0.1394	0.479502	0.631581	0.713758	467.8205	456.5415	459.1827	444.1933	506.9692	495.4549
25908	LOC119624	15.90052	0.066597	0.643276	0.103528	0.917544	0.94152	14.63633	10.94824	20.87194	15.62489	19.252	14.06971
23465	FAM104B	1687.892	0.066508	0.135664	0.49024	0.623964	0.706929	1486.943	1984.915	1473.559	1727.666	1766.905	1687.361
25743	LOC103230	23.52844	0.066474	0.517775	0.128383	0.897846	0.927177	22.76763	19.15941	27.13352	22.32127	25.66933	24.11951
23276	NDOR1	985.8118	0.066291	0.128151	0.517294	0.604951	0.690953	1016.954	862.1736	1015.072	955.3503	966.878	1098.443
23394	EDC3	1005.889	0.066288	0.13265	0.499718	0.617274	0.701442	987.1393	1052.126	914.8868	982.1359	926.2349	1172.811
23329	CUNH15or	1174.474	0.066246	0.130053	0.509381	0.610485	0.69569	1102.604	1222.918	1122.215	1227.67	1026.773	1344.663
26325	LOC103235	2.077758	0.066234	1.752151	0.037801	0.969846	0.979425	1.084173	3.831883	1.391463	0	2.139111	4.019918
24117	TMEM208	951.4625	0.066227	0.17071	0.387948	0.698055	0.76949	1092.304	696.3078	1003.245	937.4933	909.122	1070.303
25867	TSSK6	18.23328	0.065853	0.6062	0.108632	0.913494	0.938851	22.76763	15.87494	14.61036	13.39276	25.66933	17.08465
22018	SNX3	7105.442	0.06585	0.091057	0.72317	0.469576	0.566976	6549.488	7455.749	6822.342	7189.681	7523.252	7092.14
23379	TOP2B	18826.22	0.065768	0.130947	0.50225	0.615492	0.699895	16625.25	22602.09	15965.64	18964.15	18608.12	20192.05
25609	PURG	38.93275	0.06563	0.438999	0.149498	0.881161	0.914743	41.74065	41.05589	29.91645	42.41041	51.33866	27.13445
25950	LOC119620	15.50358	0.065608	0.684865	0.095797	0.923682	0.946284	16.80468	8.758589	19.48048	13.39276	23.53022	11.05477
26053	MORC1	9.630358	0.065561	0.848872	0.077234	0.938438	0.957601	7.589209	8.211177	11.82743	11.16063	14.97377	4.019918
26275	LOC119623	3.763447	0.06552	1.489362	0.043992	0.964911	0.976125	3.252518	7.663765	0	2.232127	6.417332	3.014938
22468	ZC3HAV1	4325.541	0.065517	0.101487	0.645571	0.518558	0.613577	4149.129	4578.005	3960.103	4207.559	4303.891	4754.558
23237	LOC103247	1001.154	0.06526	0.124699	0.523344	0.600735	0.687289	948.1091	1078.949	910.7124	1040.171	947.626	1081.358
25764	PTCH2	25.97965	0.065195	0.520402	0.125279	0.900303	0.928958	28.18849	17.51718	29.91645	33.4819	25.66933	21.10457
24762	LOC119622	148.0252	0.065148	0.225947	0.288332	0.773093	0.830008	149.6158	132.4737	153.0609	160.7131	130.4858	161.8017
23284	TMEM1791	1487.188	0.064983	0.12589	0.516192	0.60572	0.691594	1286.913	1677.27	1397.724	1511.15	1497.377	1552.693
24330	CFAP410	482.3295	0.064892	0.181566	0.357402	0.720791	0.787597	522.5713	361.8392	531.5388	513.3892	447.0741	517.5644
23614	HEBP1	460.9631	0.064853	0.138958	0.466712	0.640706	0.721317	439.632	439.0243	473.7931	459.8182	479.1608	474.3503
22509	CANT1	1936.465	0.064812	0.101567	0.638122	0.523394	0.618172	1911.397	1825.071	1947.352	1984.361	1848.192	2102.417
26277	TRNAR-UC	3.14449	0.064675	1.468095	0.044054	0.964862	0.976125	4.878777	2.189647	2.087194	6.696381	0	3.014938
22576	IPO8	4367.975	0.064569	0.102677	0.628856	0.529444	0.623461	4100.883	4669.97	4044.982	4234.345	4365.925	4791.742
22815	RAB35	1579.045	0.064457	0.109282	0.589823	0.555309	0.647049	1584.518	1491.15	1561.917	1571.417	1499.517	1765.749
24173	PLSCR3	445.8275	0.06433	0.169708	0.379063	0.704641	0.77495	380.0025	499.787	430.6577	464.2824	395.7355	504.4997
22643	ECHS1	4678.361	0.064264	0.104182	0.616846	0.537336	0.630883	4898.292	4032.235	4794.285	4689.699	4757.382	4898.27
25443	LOC103224	58.34793	0.064034	0.368926	0.17357	0.862203	0.900903	60.17159	49.26706	60.52863	84.82083	47.06043	48.23901
23355	DEXI	1234.574	0.063967	0.126582	0.505339	0.613321	0.698143	1296.671	1114.53	1216.834	1185.259	1170.094	1424.056
25894	LOC103218	20.79432	0.063835	0.608678	0.104875	0.916475	0.940822	19.51511	18.06459	22.2634	33.4819	21.39111	10.04979
22351	ALKBH5	5875.779	0.063569	0.095334	0.666798	0.504901	0.600568	5713.59	5817.345	5716.129	5881.655	5555.47	6568.546
21950	CNNT1	5011.619	0.063525	0.086283	0.736241	0.461584	0.559053	4936.238	5095.309	4671.836	5024.518	5219.43	5122.38
22798	TTC5	1345.451	0.06331	0.106743	0.59311	0.553108	0.644985	1361.721	1246.457	1339.283	1444.186	1311.275	1369.787
26389	LOC103247	1.709296	0.063295	2.125535	0.029778	0.976244	0.983495	0	2.189647	2.782925	0	4.278221	1.004979
22761	TMEM25	1999.26	0.062958	0.105005	0.599576	0.548789	0.640989	1980.784	1930.174	1962.658	2004.45	1882.417	2235.074
22736	TJAP1	1786.999	0.062789	0.104108	0.603117	0.546431	0.638937	1746.06	1755.002	1749.764	1765.612	1717.706	1987.849
22586	SLC25A40	1587.709	0.062748	0.100209	0.626172	0.531202	0.625245	1535.731	1564.503	1563.308	1613.828	1544.438	1704.445
25624	CYGB	40.16095	0.062655	0.427557	0.146542	0.883493	0.916628	37.40396	33.93953	45.22254	33.33892	44.92132	28.13943
23883	KMT2A	4132.526	0.062645	0.147162	0.425686	0.670336	0.746199	3468.269	5101.878	3560.753	3966.49	4139.179	4558.587
25040	PKD1L2	135.1064	0.062427	0.260962	0.239218	0.810937	0.86099	149.6158	107.8401	139.1463	109.3742	168.9897	135.6722
25854	TKTL1	21.35011	0.062396	0.56384	0.110663	0.911883	0.93763	17.88885	23.53871	20.87194	15.62489	32.08666	18.08963
22905	ARHGEF12	33064.49	0.062373	0.107745	0.578895	0.56266	0.65308	30535.18	36565.47	29954.02	32901.55	31787.18	36643.56
23675	ZNF407	1388.394	0.062339	0.136416	0.456976	0.647688	0.727299	1237.041	1613.77	1226.574	1359.365	1386.144	1507.469
23442	GTF2E2	2231.335	0.06227	0.126193	0.493452	0.621693	0.705047	2053.965	2565.172	1928.567	2236.591	2378.691	2225.025
22957	CRBN	1319.835	0.062187	0.109103	0.569982	0.56869	0.658562	1297.213	1306.672	1271.797	1229.902	1439.621	1373.807
22693	MRPS24	2648.948	0.062045	0.101821	0.609351	0.542292	0.635299	2517.991	2821.36	2436.451	2794.623	2594.741	2728.519
23650	LOC103234	795.539	0.061994	0.13425	0.461778	0.644241	0.724192	717.7224	809.6221	812.6142	816.9585	720.8803	895.4367
23408	MOB2	966.2606	0.061894	0.124343	0.497765	0.61865	0.702615	984.4288	893.9235	962.8922	995.5286	884.4527	1077.338
25786	LOC119624	41.02623	0.061856	0.51087	0.121081	0.903627	0.931627	48.24569	16.96977	55.65851	49.10679	29.4755	46.22906
26059	LOC103238	10.40042	0.061796	0.811312	0.076168	0.939286	0.958245	6.505036	15.32753	8.348776	15.62489	8.556443	8.039836
23293	LOC103239	6068.554	0.06178	0.119985	0.5149	0.606623	0.692327	5387.796	6970.195	5460.796	5825.851	6199.143	6567.541
23865	LOC119618	459.3868	0.061684	0.144201	0.427764	0.668823	0.745051	471.0731	435.7398	444.5723	428.5684	474.8826	501.4848
22524	OSBPL9	10376.29	0.061444	0.09649	0.636791	0.524261	0.618783	9870.309	11207.16	9385.416	10799.03	10682.72	10313.1
23361	VAC14	2139.707	0.061396	0.121645	0.504713	0.613761	0.69843	2046.918	2196.216	2046.146	2203.109	1869.583	2476.269
26453	LOC119624	0.747599	0.061329	3.096194	0.019808	0.984197	0.989108	1.084173	0	1.391463	0	0	2.009959
22806	BSG	5364.534	0.061294	0.103591	0.591691	0.554057	0.645837	5427.911	4772.336	5558.198	5332.551	5163.813	5932.394
23219	TINF2	1105.863	0.061291	0.116362	0.526723	0.598386	0.685133	1078.21	1111.246	1063.078	1104.903	1039.608	1238.135
25793	NKX1-2	29.12808	0.061108	0.506391	0.120674	0.903949	0.931722	23.8518	28.46541	32.00364	42.41041	29.94755	18.08963
24824	LOC119623	162.2332	0.060998	0.219922	0.27736	0.781503	0.836998	162.0838	137.9478	177.4115	156.2489	166.8506	172.8565
23406	PGRMC2	3027.357	0.060938	0.122381	0.49794	0.618527	0.702535	2754.883	3459.095	2679.262	2984.354	2986.198	3300.353
24006	ZNF276	879.4166	0.0608	0.149923	0.405542	0.685079	0.758678	951.3616	718.7517	916.9739	868.2974	817.1403	1003.974
23697	RNF25	732.7703	0.06079	0.133948	0.453834	0.649948	0.729159	736.6954	701.2345	720.082	694.1915	695.211	849.2077
24195	ZNF416	296.9056	0.060731	0.162153	0.374528	0.708012	0.77795	294.895	297.792	279.684	294.6408	305.8928	308.5287
23151	PPARA	1239.16	0.060639	0.113012	0.536572	0.591564	0.67931	1290.166	1213.065	1138.217	1290.169	1180.789	1322.553
22200	TRAPPC3	3341.447	0.060588	0.087556	0.691987	0.488946	0.585523	3241.134	3360.561	3208.713	3497.743	3431.134	3309.397
22555	SDHB	3438.897	0.060587	0.095941	0.631505	0.527711	0.621999	3622.221	3136.122	3340.902	3493.279	3561.619	3479.239
23139	LOC103248	4683.743	0.06058	0.112531	0.538337	0.590345	0.678262	4928.649	4211.786	4623.135	4685.235	4308.169	5345.486
23186	EHMT2	4001.777	0.060557	0									



23122	PRKAB1	1390.483	0.060156	0.111362	0.54019	0.589066	0.677277	1411.593	1299.556	1378.94	1383.919	1326.249	1542.643
22390	P4HB	38538.07	0.060069	0.091066	0.659618	0.509499	0.604959	38197.03	38719.53	36299.09	38312.23	36863.29	42837.25
25697	LOC119621	35.10086	0.060022	0.444424	0.135056	0.892568	0.923412	41.74065	27.37059	34.09084	42.41041	27.80844	37.18424
23730	HOXD8	877.5184	0.059839	0.133314	0.448862	0.653531	0.732159	793.0724	985.3413	798.0039	906.2436	909.122	873.3272
22341	HSDL2	5384.355	0.05978	0.089456	0.668262	0.503966	0.599702	5135.184	5646.553	5037.095	5450.854	5488.958	5547.487
25135	LOC119621	299.182	0.059585	0.264418	0.225346	0.82171	0.869114	235.8076	434.0976	207.3279	316.962	331.5622	269.3345
23143	SLC3B6	2813.892	0.059466	0.110545	0.537938	0.59062	0.678461	2787.95	2462.258	3015.3	2834.801	3052.511	2730.529
24022	PPP1R12A	10381.53	0.05938	0.1473	0.403121	0.686859	0.76011	8853.897	13084.78	8565.149	10361.53	10597.15	10826.64
23249	TDRD7	1383.309	0.059367	0.113652	0.52236	0.60142	0.687697	1372.563	1437.503	1257.187	1437.49	1302.718	1492.395
23210	FAM13B	984.3712	0.059334	0.112371	0.528021	0.597485	0.684366	1008.823	957.9707	923.2355	1042.403	998.9647	974.8301
25551	LOC119621	48.96301	0.059281	0.376509	0.157449	0.874891	0.910331	45.53526	41.6033	57.7457	42.41041	49.19955	57.28383
22590	NCKAP1	16499.8	0.059274	0.094705	0.625883	0.531391	0.625367	16381.85	16780.91	15327.66	16180.69	15906.43	18421.27
25701	KIF5A	60.70668	0.059126	0.43918	0.134628	0.892906	0.923618	53.12446	62.95236	59.8329	93.74933	68.45154	26.12947
24123	UBIAD1	428.0047	0.059104	0.152721	0.387006	0.698752	0.770067	382.1709	466.3949	409.09	448.6575	423.5439	438.171
23369	DBNDD2	949.9461	0.059092	0.117308	0.503737	0.614446	0.699006	963.8296	947.5699	883.5788	950.8861	917.6785	1036.134
25625	LOC119621	44.94908	0.059066	0.40343	0.146411	0.883597	0.9167	45.53526	35.58177	50.09266	42.41041	59.8951	36.17926
23974	ANKRD49	649.2422	0.058922	0.143411	0.410861	0.681174	0.755355	600.6317	693.5708	611.5479	609.3707	757.2452	623.0873
25987	SLC16A7	17.11408	0.058917	0.655928	0.089823	0.928428	0.949793	13.01007	12.04306	25.74206	20.08914	10.69555	21.10457
24507	LOC103215	696.3979	0.058804	0.178275	0.329851	0.741513	0.804289	618.5205	875.3115	551.0192	705.3521	750.8278	677.3562
25832	LAMA1	29.73965	0.058785	0.513109	0.114565	0.90879	0.935281	22.76763	27.37059	36.17803	31.24978	42.78221	18.08963
25847	PTTG2	25.5772	0.058648	0.523787	0.111969	0.910848	0.936855	27.10432	21.89647	25.04633	31.24978	32.08666	16.07967
22577	GALNT2	9886.712	0.058647	0.093279	0.628723	0.52953	0.623535	9780.322	9989.718	9294.275	9950.822	9380	10925.13
24242	PLIN3	2107.706	0.058605	0.158694	0.369294	0.711909	0.780776	2435.164	1556.839	2206.164	2129.449	1953.008	2365.052
24233	CUNH12or	1846.733	0.058496	0.158255	0.369632	0.711657	0.780729	1964.521	1340.064	2124.764	1912.933	1807.549	1930.566
23569	SEC31A	9491.206	0.058435	0.1233	0.473931	0.635549	0.716877	8529.729	11111.91	8257.636	9439.665	9373.583	10234.71
24058	DLG3	587.8235	0.058364	0.147228	0.39642	0.691795	0.76446	517.6925	654.7045	557.2808	602.6743	560.447	634.142
23411	RELL1	1244.466	0.058361	0.117391	0.49715	0.619083	0.703017	1169.822	1352.107	1137.521	1223.206	1270.632	1313.508
24041	WDR61	3109.06	0.058361	0.145645	0.400705	0.688637	0.761508	3419.481	2313.91	3404.909	3285.691	3120.962	3109.406
24172	CACD	705.2953	0.058357	0.153781	0.379481	0.704331	0.774641	621.231	832.6134	619.8967	700.8879	714.463	742.6798
24322	SNTA1	439.0814	0.058352	0.162816	0.358395	0.720048	0.787044	468.3626	359.1022	464.0528	437.4969	449.2132	456.2607
23485	ZNF302	948.6321	0.058301	0.119725	0.486952	0.626292	0.708962	931.8465	968.3715	887.7532	890.6187	1052.442	960.7604
25675	LOC103231	59.89493	0.058126	0.417932	0.139081	0.889386	0.920897	72.63957	43.79295	57.7457	58.0353	91.98176	35.17428
25871	LOC103234	22.16128	0.058124	0.540278	0.107582	0.914327	0.939561	26.56223	16.96977	21.56767	20.08914	25.66933	22.10955
25092	CHST7	163.6843	0.058065	0.250362	0.231925	0.816596	0.865184	174.5518	125.3573	182.9774	180.8023	130.4858	187.9312
23026	PCBP1	2080.062	0.058053	0.104032	0.558031	0.576823	0.665979	2097.332	2048.962	1973.79	2116.056	1950.869	2293.363
23837	LOC103244	6270.901	0.057842	0.133953	0.43181	0.665879	0.742638	5464.773	7566.874	5405.137	6377.187	6141.387	6670.049
25590	LOC103241	45.39541	0.05757	0.376185	0.153036	0.87837	0.912508	43.909	49.26706	40.35242	42.41041	49.19955	47.23404
23464	CXXC1	1319.61	0.057437	0.117124	0.490397	0.623853	0.706833	1197.469	1402.469	1283.624	1354.901	1247.102	1432.096
23885	SETD2	4385.977	0.057311	0.134803	0.425143	0.670732	0.746553	3797.315	5222.856	3879.398	4426.308	4152.014	4837.971
23823	DOCK11	1284.59	0.057308	0.132023	0.434078	0.664232	0.741242	1194.216	1472.538	1109.692	1339.276	1281.327	1310.493
24723	LOC119621	778.1414	0.05724	0.193908	0.295193	0.767847	0.825677	937.2673	555.0756	793.8295	727.6734	945.4869	709.5155
25646	LOC103221	41.62807	0.057038	0.399031	0.142942	0.886336	0.918783	46.07734	43.24553	33.39511	40.17829	40.6431	46.22906
23476	RMDN1	949.4927	0.057038	0.1169	0.487922	0.625605	0.708456	986.5972	866.5529	937.1502	999.9929	969.0171	937.6458
24667	ZMAT5	420.6694	0.056998	0.186766	0.305187	0.760224	0.819269	462.3997	312.5721	461.2699	448.6575	432.1004	407.0167
23535	ATP13A1	2459.007	0.056894	0.119006	0.478081	0.632592	0.714566	2522.328	2183.078	2529.679	2671.856	2181.893	2665.206
23166	UBQLN1	8570.877	0.056795	0.106193	0.534829	0.592768	0.680224	7975.717	9470.224	7764.362	8582.528	8340.392	9292.04
25852	TRNAY-GU	30.33282	0.056737	0.510637	0.111111	0.911528	0.93738	38.48813	21.34906	29.91645	37.94616	17.11289	37.18424
24018	AAR2	1294.833	0.056539	0.13997	0.403936	0.68626	0.75964	1421.893	1068	1323.281	1223.206	1266.354	1466.265
25734	LOC103231	35.3546	0.056428	0.436736	0.129204	0.897196	0.926865	29.27266	38.31883	35.4823	42.41041	38.50399	28.13943
24960	LOC103231	147.2212	0.056359	0.222524	0.253271	0.800059	0.852146	137.1479	142.3271	155.1481	136.1597	149.7377	162.8067
24528	IK	5080.361	0.056339	0.172636	0.326343	0.744165	0.806573	4054.806	6825.13	4063.071	5216.481	5118.892	5203.784
23994	PLEKHG2	2356.941	0.056267	0.138174	0.407215	0.68385	0.757696	2005.72	2780.305	2150.506	2325.876	2248.205	2631.036
23089	SCYL1	3636.845	0.056258	0.102749	0.547526	0.584018	0.672446	3811.951	3337.022	3555.187	3582.564	3512.42	4021.928
24161	SLC25A17	2026.653	0.056114	0.147278	0.38101	0.703196	0.773713	2238.817	1549.723	2176.943	1941.95	2004.347	2248.139
23494	CREM	1129.245	0.056065	0.115463	0.485566	0.627275	0.709803	1122.661	1042.82	1153.523	1124.992	1247.102	1084.373
24360	SPIN3	393.0509	0.05587	0.158296	0.352947	0.724128	0.790283	357.2349	433.5502	365.259	386.158	417.1266	398.9768
23980	NHEJ1	680.2468	0.055777	0.136121	0.409757	0.681984	0.756028	686.8234	706.7087	611.5479	645.0847	669.5416	761.7744
23774	WARS2	715.5126	0.055568	0.126163	0.440448	0.659612	0.737573	707.9648	722.5836	676.2509	763.3874	663.1243	759.7645
24005	HTRA2	670.2413	0.055469	0.136641	0.405942	0.684785	0.758384	715.554	583.541	674.1637	696.4236	650.2896	701.4757
23333	ATG2B	4206.902	0.055373	0.108828	0.508816	0.610881	0.695992	3992.466	4590.048	3800.78	4055.775	4173.405	4628.935
24396	ZNF205	546.8441	0.055352	0.159375	0.347305	0.728362	0.793717	585.9954	450.5199	575.3698	562.496	502.691	603.9927
26290	LOC119621	3.805659	0.055112	1.303828	0.04227	0.966284	0.977126	3.794605	2.189647	4.87012	6.696381	4.278221	1.004979
22796	NDUFB8	4770.952	0.055069	0.092806	0.593378	0.552928	0.644833	4893.414	4380.389	4768.543	4964.25	4618.34	5000.778
23165	AP1S1	10531.07	0.055001	0.10278	0.535132	0.592558	0.680042	11024.95	9024.631	10943.16	10803.49	10490.2	10900.01
23433	COLGALT1	5525.852	0.054956	0.111099	0.494659	0.620841	0.704351	5640.951	5321.39	5308.43	5441.926	5005.519	6436.893
23095	GFM1	5198.948	0.054814	0.100439	0.545745	0.585241	0.673651	4887.993	5616.993	4799.155	5075.857	5245.099	5568.591
24904	TMEM161	645.4599	0.054769	0.207325	0.264171	0.791648	0.845084	734.527	448.8777	720.082	654.0132	528.3603	786.8989
26141	LOC119621	8.374309	0.054759	0.844596	0.064834	0.948306	0.964376	7.047123	8.758589	9.044508	8.928508	6.417332	10.04979
25531	LOC103246	68.5908	0.054746	0.341053	0.160519	0.872472	0.90849	84.56547	62.40495	53.57132	71.42806	81.28621	58.28881
26311													



24546	FBXL14	370.0706	0.054568	0.168601	0.323653	0.746201	0.808165	397.3493	306.5506	384.7394	390.6222	374.3444	366.8175
25990	SCFL	18.39487	0.054504	0.613457	0.088846	0.929204	0.950477	17.34676	12.59047	23.65487	22.32127	21.39111	13.06473
23048	PATJ	3129.909	0.054469	0.098178	0.554795	0.579035	0.667895	3045.441	3315.126	2853.194	3127.21	3172.301	3266.183
24339	ZNF875	385.3678	0.054404	0.15258	0.356559	0.721422	0.788014	359.4033	410.0114	365.9547	377.2295	393.5964	406.0117
24623	LMNTD2	413.9811	0.054324	0.173982	0.312238	0.754859	0.815008	390.3022	366.2185	466.8357	383.9258	387.179	489.425
25865	LOC103231	30.97051	0.054172	0.496273	0.109158	0.913077	0.938494	43.36691	22.9913	25.04633	35.71403	23.53022	35.17428
23927	TRMO	754.8211	0.054008	0.128871	0.419083	0.675156	0.750157	716.6382	800.8635	705.4716	810.2621	703.7674	791.9238
24069	LOC103215	2150.191	0.053961	0.13681	0.394421	0.69327	0.765708	1949.885	2506.051	1877.779	1973.2	2188.31	2405.921
23046	GNA11	4134.023	0.053956	0.097211	0.555504	0.578867	0.66776	4038.001	3942.46	4195.956	4256.666	3854.677	4516.378
23178	SCYL2	3801.278	0.053912	0.101162	0.532926	0.594085	0.681347	3494.289	4136.244	3560.057	3906.222	3822.591	3888.266
25985	LOC119621	18.71512	0.053692	0.595688	0.090134	0.92818	0.949612	21.68345	21.34906	11.82743	20.08914	19.252	18.08963
23579	TTCC38	1112.331	0.053265	0.112784	0.472272	0.636733	0.717907	1123.745	1116.173	1039.423	1095.974	1086.668	1212.005
23754	NDUF83	3337.392	0.05309	0.119563	0.444033	0.657019	0.73526	3191.262	3042.515	3587.191	3645.063	3625.793	2932.53
23375	CYLD	2310.293	0.053049	0.105595	0.50238	0.6154	0.699874	2193.281	2459.521	2153.984	2370.519	2201.145	2483.304
26161	LOC103241	10.53172	0.052958	0.855277	0.061919	0.950627	0.966034	7.589209	11.49565	11.82743	20.08914	2.139111	10.04979
22432	EIF1AX	13324.23	0.052878	0.08115	0.651603	0.514657	0.609912	12649.59	13547.89	13038.7	13783.38	13805.82	13120.01
26079	LOC119621	14.13853	0.052846	0.710158	0.074414	0.940681	0.958932	11.9259	20.25424	9.044508	11.16063	21.39111	11.05477
23303	ZBED6	3875.051	0.052692	0.10259	0.513616	0.607521	0.693084	3744.733	4028.404	3647.024	3741.045	3745.583	4343.521
23223	ITM2C	4047.261	0.05269	0.100143	0.526144	0.598788	0.685475	4133.409	3848.852	3944.797	4082.56	3777.669	4496.278
24949	PRMT6	226.4602	0.052671	0.206455	0.255119	0.798631	0.851	243.9389	180.6459	243.506	238.8376	209.6328	242.2001
23534	ZSCAN21	1314.13	0.052582	0.109984	0.478088	0.632588	0.714566	1312.391	1364.15	1192.484	1390.615	1300.579	1324.563
23853	FANCM	841.2736	0.052576	0.122348	0.429724	0.667397	0.743837	829.9342	886.8071	759.0429	863.8331	874.8963	833.128
24899	ZNF230	209.6873	0.052515	0.197745	0.265572	0.790569	0.844101	222.7975	190.4993	206.6322	205.3557	194.6591	238.1801
23902	ACTR1B	2477.168	0.05242	0.124128	0.422303	0.672804	0.748295	2627.493	2104.798	2570.032	2455.34	2314.518	2790.828
24441	CHCHD1	1399.132	0.052174	0.153976	0.338847	0.734725	0.79916	1489.111	1051.031	1582.093	1363.83	1486.682	1422.046
26355	LOC119621	2.39238	0.052135	1.560756	0.033404	0.973352	0.981772	2.710432	2.737059	1.391463	2.232127	4.278221	1.004979
26310	SLC24A5	3.880339	0.052125	1.326158	0.039305	0.968647	0.978772	2.710432	3.284471	5.565851	6.696381	0	5.024897
24524	AAK1	1322.967	0.052089	0.159266	0.327058	0.743624	0.806119	1137.839	1646.615	1113.866	1247.759	1379.726	1411.996
23064	LPIN1	4495.455	0.05208	0.094407	0.551651	0.581188	0.669913	4541.6	4473.449	4234.221	4466.486	4329.56	4927.414
23701	GLRX5	1329.404	0.051899	0.114467	0.453398	0.650262	0.729387	1392.62	1181.862	1344.849	1308.026	1339.083	1409.986
26253	LOC119621	5.168867	0.051877	1.087608	0.047698	0.961957	0.974122	4.336691	4.379295	6.261582	4.464254	8.556443	3.014938
23645	STK36	1144.846	0.051836	0.112194	0.462024	0.644064	0.724135	1159.523	1110.699	1107.604	1127.224	1103.781	1260.244
24521	LOC119621	647.16	0.051818	0.158084	0.327785	0.743074	0.805628	563.2277	770.2084	573.2826	638.3883	669.5416	668.3113
26329	LOC119621	3.127342	0.051765	1.393637	0.037144	0.97037	0.979805	1.084173	3.284471	4.87012	2.232127	4.278221	3.014938
23638	YIPF2	1416.451	0.051679	0.111532	0.463359	0.643107	0.723296	1479.896	1273.827	1422.771	1408.472	1403.257	1510.484
23596	PDLIM5	3196.838	0.051615	0.110093	0.468828	0.639192	0.720161	3161.448	3323.885	2940.857	3109.353	3005.45	3640.036
24335	LOXL2	448.5333	0.051535	0.144462	0.356739	0.721287	0.78792	427.1641	457.6363	436.9193	491.0679	417.1266	461.2856
23515	CRYZL1	1261.522	0.051468	0.106981	0.481094	0.630449	0.712758	1310.765	1187.336	1221.009	1263.384	1262.075	1324.563
24062	CHD9	6028.717	0.051445	0.130247	0.394981	0.692857	0.765507	5381.291	7204.487	5179.024	5870.494	6173.473	6363.53
25061	SLC44A3	165.4182	0.051347	0.217482	0.236097	0.813357	0.862819	173.4676	149.4434	165.5841	180.8023	143.3204	179.8913
23764	GNAQ	5393.344	0.051218	0.115654	0.442859	0.657868	0.735932	4945.996	6112.4	4838.116	5299.069	5279.325	5885.16
23572	XYLT2	1667.444	0.050989	0.107739	0.473262	0.636026	0.717324	1712.993	1560.671	1645.405	1683.024	1576.525	1826.048
24146	LOC103221	849.3703	0.050837	0.132516	0.383626	0.701256	0.77209	809.877	916.3674	779.2191	767.8517	913.4003	909.5064
23827	TOPBP1	8842.367	0.0508	0.117166	0.43357	0.664601	0.741505	7949.697	10250.29	7861.069	8866.008	8877.309	9249.831
23931	ZC3H7A	1855.21	0.050591	0.120947	0.418293	0.675733	0.750673	1710.825	2073.596	1687.149	1776.773	1858.887	2024.029
24311	MFAP1	3165.906	0.050553	0.140579	0.359609	0.71914	0.786384	2720.731	3867.464	2743.965	3191.942	3133.797	3337.537
24124	QPCTL	768.3245	0.050547	0.130702	0.386731	0.698955	0.770259	834.813	685.3596	745.1283	796.8693	750.8278	796.9487
23348	MGPR	9426.194	0.050496	0.099735	0.5063	0.612646	0.697584	8860.944	10369.62	8553.321	9491.004	9583.216	9699.057
24231	AP5S1	725.3836	0.050438	0.136345	0.369929	0.711435	0.78055	780.0623	623.5021	736.0838	732.1376	718.7412	761.7744
22997	AGO4	3258.158	0.05043	0.089398	0.564107	0.572681	0.662031	3273.66	3266.406	3065.392	3220.959	3332.734	3389.796
24512	RSBN1L	675.0789	0.050412	0.152919	0.329661	0.741656	0.804346	589.2479	783.3463	619.2009	689.7272	635.3159	733.635
23196	NIPSNAP1	2574.681	0.050377	0.095072	0.529887	0.59619	0.683295	2538.59	2566.814	2488.631	2616.053	2464.255	2773.743
23509	AREL1	2754.9	0.050222	0.10416	0.482167	0.629688	0.712078	2752.172	2773.736	2602.035	2714.266	2596.88	3090.312
26023	LOC119621	20.56492	0.049989	0.604947	0.082634	0.934143	0.954317	18.97302	26.27577	14.61036	33.4819	14.97377	15.07469
23273	GLT8D1	2102.738	0.049895	0.096344	0.517884	0.604539	0.690572	2130.399	2027.066	2046.146	2082.574	2077.076	2253.164
25586	LOC119621	60.53086	0.049835	0.324864	0.153402	0.878082	0.91234	62.33993	57.47824	58.44144	64.73168	59.8951	60.29877
23261	TPI1	16790.14	0.049812	0.095639	0.52084	0.602478	0.688573	17530.53	15557.44	16419.96	16805.68	15940.65	18486.6
24838	PARP11	321.4231	0.049527	0.180048	0.275076	0.783258	0.838349	306.2788	296.6972	342.9956	294.6408	391.4573	296.4689
23833	MRPL32	2387.475	0.049437	0.114239	0.432754	0.665194	0.742004	2108.174	2609.512	2318.177	2455.34	2558.376	2275.274
24160	GPR27	777.861	0.049374	0.129561	0.381083	0.703141	0.773713	725.3116	850.1305	716.6033	823.6549	778.6363	772.8292
24942	LOC103221	237.1073	0.049299	0.192199	0.256497	0.797567	0.850071	218.4608	269.3266	211.5023	232.1412	245.9977	245.215
25459	LOC103215	83.46118	0.049213	0.288586	0.170531	0.864593	0.902834	73.72375	87.03848	84.1835	93.74933	87.70354	74.36848
23775	LARP4B	5547.658	0.049202	0.111706	0.440456	0.659607	0.737573	5074.471	6260.749	5026.659	5517.818	5471.845	5934.404
26343	LOC119621	4.921604	0.049175	1.387914	0.035431	0.971736	0.980661	3.252518	10.40082	0.695731	11.16063	0	4.019918
24630	RTF1	2874.309	0.049075	0.158027	0.310545	0.756147	0.816166	2461.072	3655.616	2361.312	2863.819	2759.453	3144.581
26005	LOC103241	20.95211	0.048907	0.570457	0.085733	0.931679	0.952422	26.56223	15.32753	20.17621	24.5534	14.97377	24.11951
25830	LOC119615	37.50209	0.048901	0.424875	0.115096	0.908369	0.934921	34.15144	44.34036	31.30791	42.41041	40.6431	32.15934
26002	LOC103241	21.92546	0.04886	0.565007	0.086477	0.931087	0.952004	29.81475	15.87494	19.48048	17.85702	21.39111	27.13445
23899	BTBD2	903.6887	0.04868	0.1151	0.422931	0.672345	0.74791	905.8263	855.6047	905.8422	941.9576	864.2007	948.7006
26221	MKX	8.95726	0.0486	0.922703	0.052672	0.957993	0.971292						



23305	NMT2	2912.663	0.04848	0.09446	0.513239	0.607784	0.693326	2807.465	2973.541	2815.625	2845.962	2887.799	3145.586
25425	NOS3	93.37399	0.048443	0.273926	0.176847	0.859629	0.898849	82.93921	87.58589	105.0554	98.21359	91.98176	94.46807
24024	GPR108	2518.653	0.048439	0.120157	0.403127	0.686854	0.76011	2675.738	2218.113	2541.507	2526.768	2301.683	2848.112
24399	LDLRAD3	811.7944	0.048257	0.13915	0.346799	0.728742	0.794033	821.2608	792.1049	788.2636	732.1376	772.219	964.7803
24210	TFG	6348.377	0.048217	0.12959	0.372076	0.709836	0.779471	5649.082	7553.188	5526.194	6542.364	6040.849	6778.587
25071	LOC119618	1062.539	0.048027	0.204525	0.234825	0.814345	0.863522	1338.411	751.5964	1040.814	1058.028	1324.11	862.2724
24850	LOC119620	319.4828	0.047936	0.175133	0.273712	0.784306	0.839098	351.8141	278.0852	313.0791	348.2118	293.0582	332.6482
24209	DLAT	3096.229	0.047774	0.128186	0.372696	0.709375	0.778997	2822.644	3622.771	2689.002	3303.548	2962.668	3176.74
23777	AKAP11	1860.093	0.047758	0.108503	0.440154	0.659826	0.737767	1813.821	1967.398	1707.325	1984.361	1754.071	1933.58
24674	MTG2	507.5129	0.047699	0.157201	0.303429	0.761563	0.820546	545.3389	460.3733	492.5778	575.8888	434.2395	536.659
26227	LOC103228	7.711935	0.047538	0.918463	0.051758	0.958721	0.971808	8.673382	4.379295	9.740239	11.16063	4.278221	8.039836
24439	CEP128	1208.027	0.047479	0.139843	0.339516	0.734221	0.798722	1056.526	1418.891	1088.124	1287.937	1178.65	1218.035
25456	VWCE	95.90405	0.047315	0.277135	0.170729	0.864437	0.902776	107.8752	94.15483	80.00911	95.98146	106.9555	90.44815
23725	LOC119621	1449.59	0.047272	0.105103	0.449766	0.652879	0.731582	1369.31	1497.719	1413.03	1491.061	1396.839	1529.579
23590	TSNAX	3399.873	0.047096	0.100211	0.469967	0.638378	0.719427	3523.019	3017.334	3492.571	3522.296	3414.021	3429.995
24419	ZNF672	648.6394	0.047011	0.137078	0.342953	0.731634	0.796531	680.3184	610.9116	625.4625	691.9594	579.699	703.4856
24444	CUNH21orf	518.4692	0.046997	0.139002	0.338107	0.735282	0.799685	498.1774	551.7911	479.3589	511.1571	549.7514	520.5794
23527	MANF	3070.481	0.046864	0.097808	0.479142	0.631837	0.713963	3213.488	2787.968	3062.609	3118.281	3039.676	3200.86
24531	FUS	1203.093	0.046779	0.14365	0.325647	0.744692	0.807045	1027.254	1314.336	1215.443	1082.582	1167.954	1410.991
25849	LOC119625	48.13384	0.046759	0.419185	0.111547	0.911183	0.937127	49.32986	50.9093	40.35242	40.17829	74.86887	33.16432
23921	EXOC1	1677.75	0.046497	0.110787	0.419692	0.67471	0.749851	1568.256	1813.575	1570.961	1613.828	1773.323	1726.555
24553	ZNF133	459.9869	0.046281	0.143355	0.322841	0.746816	0.808622	485.7094	445.0458	428.5705	459.8182	451.3524	489.425
24234	PCCA	833.107	0.04625	0.125154	0.369542	0.711724	0.780737	857.0385	865.4581	735.3881	839.2797	866.3398	835.1379
23985	PSMD14	5397.218	0.04623	0.112932	0.409356	0.682279	0.756238	5692.991	4541.328	5695.257	5624.96	5628	5200.769
25683	LOC103216	72.22771	0.04619	0.334277	0.13818	0.890098	0.921359	80.22878	58.57306	73.05179	66.96381	96.25998	58.28881
25873	CCDC81	36.92352	0.046187	0.429809	0.107459	0.914424	0.939589	27.10432	42.15071	39.65669	37.94616	38.50399	36.17926
24863	MGMT	1063.137	0.046145	0.169806	0.271751	0.785814	0.840214	1175.785	770.2084	1195.266	1035.707	1031.051	1170.801
24156	ARNT	2841.087	0.04605	0.120741	0.381396	0.702909	0.77359	2613.398	3263.669	2511.59	2821.409	2838.6	2997.854
24527	ZNF383	519.3065	0.045922	0.140667	0.326458	0.744078	0.806512	542.6285	511.2826	475.8803	546.8711	549.7514	489.425
25596	MBLAC1	115.8411	0.045894	0.301757	0.15209	0.879116	0.913084	120.3432	80.46954	140.5377	100.4457	149.7377	103.5129
25650	LOC103231	81.46966	0.045736	0.322497	0.141818	0.887224	0.919565	65.05036	107.2927	68.18167	82.5887	81.28621	84.41828
24448	LOC103235	786.066	0.045626	0.135045	0.337854	0.735473	0.799761	745.9108	856.6995	722.1692	734.3698	782.9145	874.3321
23673	ZNF134	1724.067	0.045599	0.099569	0.457964	0.646978	0.726562	1677.757	1768.688	1645.405	1671.863	1796.853	1783.839
24760	CREB5	535.6004	0.045477	0.157648	0.388473	0.772985	0.829927	469.4468	623.5021	487.7077	535.7105	562.5861	534.6491
24703	LOC103227	1652.503	0.045436	0.152367	0.298198	0.765552	0.823842	1785.633	1255.763	1838.818	1805.791	1531.603	1697.41
25327	LOC119627	162.898	0.045302	0.231627	0.19558	0.844939	0.886898	155.0367	192.1415	132.8847	167.4095	171.1289	158.7868
25006	DTX2	554.3378	0.04528	0.185136	0.244579	0.806783	0.857727	607.6788	437.9295	595.5461	566.9603	455.6306	662.2815
25041	PLEKHN1	232.5783	0.045276	0.189291	0.239188	0.81096	0.86099	203.8245	244.6931	237.2444	229.9091	256.6933	223.1054
25974	LOC119626	26.87936	0.045153	0.491314	0.091903	0.926775	0.948539	20.59928	28.46541	30.61218	26.78552	25.66933	29.1444
24310	CTDNBP1	1043.4	0.04514	0.125351	0.360107	0.718767	0.786032	974.6713	1155.039	953.152	1060.26	1011.799	1105.477
24048	ZNF75A	1276.47	0.045117	0.113139	0.398775	0.690059	0.762858	1341.664	1286.418	1141.695	1263.384	1309.136	1316.523
24226	DCAF6	6443.085	0.04498	0.121412	0.370476	0.711028	0.780264	5733.648	7553.736	5739.088	6464.24	6733.92	6433.879
24596	CKS2	3244.6	0.044946	0.141883	0.316781	0.75141	0.812141	3421.107	2539.443	3617.803	3513.368	3450.386	2925.495
25470	NOL3	95.43297	0.044919	0.26542	0.169238	0.865609	0.903439	87.81799	95.24966	98.09812	100.4457	100.5382	90.44815
24273	RTL10	1010.486	0.044827	0.122499	0.365936	0.714412	0.78246	1039.722	929.5053	1020.638	975.4395	969.0171	1128.592
25977	LOC119626	26.76877	0.044471	0.486706	0.091371	0.927198	0.948899	26.56223	23.53871	28.52499	26.78552	32.08666	23.11453
26209	LOC103216	11.88376	0.044425	0.809928	0.054851	0.956257	0.969976	15.7205	4.379295	14.61036	17.85702	10.69555	8.039836
24722	CENATAC	382.7939	0.044405	0.150285	0.295468	0.767636	0.825484	390.8443	372.7874	365.259	417.4077	378.6226	371.8424
25043	SF3B4	1233.638	0.044223	0.185163	0.238832	0.811236	0.861187	929.136	1644.973	1069.339	1225.438	1304.858	1228.085
25785	LOC103227	54.43335	0.043844	0.36174	0.121203	0.903531	0.931563	50.95612	60.2153	48.7012	71.42806	47.06043	48.23901
26137	LOC119627	14.34152	0.043631	0.665874	0.065525	0.947756	0.964001	10.84173	16.96977	14.61036	17.85702	10.69555	15.07469
23991	ACTR10	2179.76	0.043522	0.106707	0.407863	0.683374	0.757263	2264.295	1927.437	2251.387	2171.86	2188.31	2275.274
26127	CRACR2A	18.65493	0.043494	0.649678	0.066947	0.946624	0.963291	21.14137	16.42235	16.69755	13.39276	34.22577	10.04979
24868	FHL3	434.4373	0.043359	0.16033	0.270435	0.786826	0.841108	374.5817	485.5543	425.0919	415.1756	444.935	461.2856
23025	UQCRL2	9019.046	0.043298	0.077553	0.558306	0.576635	0.665792	8978.034	8810.046	8862.226	9091.453	9279.462	9093.054
25153	DYNLRB2	284.452	0.04328	0.195864	0.220972	0.825114	0.872089	327.9623	233.1974	281.0755	254.4625	299.4755	310.5387
24216	ITGB1BP1	1580.039	0.04328	0.116556	0.371325	0.710396	0.779892	1662.037	1368.53	1638.447	1560.257	1662.089	1588.873
24292	MDGA1	768.6945	0.043106	0.118678	0.36322	0.716441	0.784068	755.1263	741.743	776.4362	736.6019	804.3056	797.9537
24046	MEAF6	2890.161	0.043059	0.107948	0.398882	0.68998	0.762834	2689.29	3199.622	2650.737	3011.139	2887.799	2902.381
24436	CCDC9	751.6007	0.042628	0.125496	0.339675	0.734102	0.798661	757.2947	725.3207	740.9539	803.5657	684.5154	797.9537
24274	AGBL3	2211.369	0.042573	0.116419	0.365683	0.714601	0.782635	2407.948	1929.079	2201.294	2314.716	2085.633	2329.542
24132	ITCH	5971.949	0.042572	0.110585	0.384971	0.700259	0.771408	5628.483	6738.639	5285.471	5852.637	6098.605	6227.858
24673	DDAH2	1362.27	0.042294	0.139062	0.30414	0.761021	0.819995	1460.923	1163.798	1405.377	1479.9	1172.233	1491.39
26148	LOC119627	13.9172	0.042203	0.659587	0.063984	0.948983	0.964806	14.63633	13.6853	12.52316	15.62489	14.97377	12.05975
26081	LOC119626	24.16776	0.042166	0.568529	0.074167	0.940878	0.95906	18.43094	31.74989	22.2634	24.5534	12.83466	35.17428
23582	ANKRD13C	4708.005	0.042125	0.089356	0.471422	0.637339	0.718469	4696.094	4746.608	4479.119	4502.2	4849.364	4974.648
26393	LOC119627	3.848212	0.042023	1.451007	0.028961	0.976895	0.983965	8.131296	2.189647	0.695731	8.928508	2.139111	1.004979
24105	PDE12	2801.989	0.041907	0.107559	0.389618	0.696819	0.768494	2635.082	3062.769	2589.512	2712.034	2808.652	3003.884
25787	PRSS16	69.77967	0.04178	0.345291	0.121	0.903691	0.931657	69.92914	68.42648	66.79021	53.57105	102.6773	57.28383
24860	SLC3												



25776	SLC28A1	77.48335	0.041297	0.336209	0.122831	0.902241	0.930559	85.10756	58.57306	83.48776	93.74933	87.70354	56.27885
25771	CHRN2	77.83941	0.041151	0.331526	0.124125	0.901216	0.929682	75.89209	72.25836	80.70484	62.49956	113.3729	62.30873
25649	CENPBD1	88.4485	0.041138	0.289452	0.142122	0.886983	0.919352	95.4072	76.09024	89.74935	107.1421	74.86887	87.43321
24323	TAX1BP3	3574.819	0.041118	0.114822	0.3581	0.720268	0.787252	3734.433	3043.61	3795.215	3792.384	3381.934	3701.339
23647	GPAM	5238.969	0.040966	0.088694	0.461877	0.644417	0.724173	5270.706	5249.132	4979.349	5187.463	5125.309	5621.855
24207	IDH3G	5349.066	0.040966	0.109728	0.373337	0.708897	0.778537	4995.326	5911.5	4917.429	5392.819	5031.188	5846.971
26212	LOC10324	11.52061	0.040944	0.760973	0.053804	0.957091	0.970673	8.673382	10.94824	13.91463	17.85702	10.69555	7.034856
24482	FZR1	1672.559	0.040836	0.122382	0.333677	0.738623	0.802219	1771.538	1459.947	1720.544	1654.006	1570.107	1859.212
24940	BRD7	5298.055	0.040763	0.158853	0.256609	0.797481	0.850067	4376.805	6901.768	4390.065	5403.979	5403.394	5312.321
26477	LOC10322	1.057546	0.040638	2.785268	0.01459	0.988359	0.992391	0	0.547412	2.782925	0	0	3.014938
23589	PSMD7	3560.327	0.040611	0.086399	0.470042	0.638325	0.719398	3396.713	3594.306	3541.273	3544.618	3627.932	3657.12
24070	CLK4	1814.136	0.040526	0.102747	0.394422	0.693269	0.765708	1753.649	1888.571	1727.501	1736.595	1843.913	1934.585
25251	ZMAT1	612.1938	0.040493	0.195198	0.207444	0.835663	0.879811	490.0461	784.9885	535.7132	529.0141	712.3239	621.0773
24031	CNOT8	2149.848	0.040478	0.100676	0.402065	0.687636	0.760718	2227.433	1979.441	2153.289	2247.752	2079.216	2211.96
24258	ZNF200	1024.653	0.040433	0.109974	0.367658	0.713128	0.781537	1060.863	984.2464	985.8514	1053.564	1018.217	1045.179
25970	SYT4	36.61978	0.040323	0.434069	0.092895	0.925987	0.947915	33.60935	33.93953	39.65669	46.87467	38.50399	27.13445
24647	ZNF570	540.3027	0.040289	0.130899	0.307789	0.758243	0.817864	540.4601	542.4851	515.5369	529.0141	562.5861	551.7337
25212	MICU3	214.171	0.040237	0.189496	0.212336	0.831845	0.877146	212.4979	211.301	211.5023	191.9629	224.6066	233.1552
24861	ORC3	1213.387	0.039941	0.146893	0.271907	0.785694	0.840178	1077.668	1463.232	1049.163	1174.099	1259.936	1256.224
24467	WDR48	3226.368	0.039935	0.118955	0.335715	0.737086	0.800863	2963.044	3702.146	2881.024	3308.012	3125.241	3378.741
24874	RAB8A	3255.849	0.039866	0.14755	0.270184	0.787018	0.841155	2767.893	4075.481	2789.883	3261.138	3225.779	3414.92
26004	LOC10324	41.4251	0.039674	0.459843	0.086277	0.931246	0.952053	52.04029	48.17224	22.95914	33.4819	40.6431	51.25395
24770	ZNF319	708.2725	0.039633	0.13823	0.286717	0.774329	0.831034	735.0691	670.5795	695.0356	712.0485	628.8985	808.0035
26266	LOC11962	8.739687	0.03961	0.874082	0.045316	0.963855	0.975561	9.757555	6.568942	9.044508	15.62489	6.417332	5.024897
25244	TPCN2	595.1198	0.039559	0.189837	0.208383	0.83493	0.879283	683.0288	448.3303	633.1155	609.3707	498.4128	698.4607
25140	MED26	328.9424	0.039307	0.175265	0.224271	0.822547	0.869825	352.3561	317.4989	307.5133	301.3371	308.0319	386.9171
24342	DPCD	1699.866	0.039248	0.110411	0.355469	0.722238	0.788758	1763.949	1517.973	1751.156	1738.827	1636.42	1790.873
25404	SPAG4	169.5865	0.039247	0.217594	0.18037	0.856862	0.896695	180.5148	152.1805	171.1499	147.3204	175.4071	190.9461
24373	FCHSD1	1375.409	0.039229	0.111873	0.350658	0.725845	0.79172	1340.038	1434.219	1301.018	1319.187	1345.501	1512.494
24313	PRKAA1	4829.044	0.039164	0.108927	0.359542	0.71919	0.786397	4485.223	5425.946	4377.542	4805.769	5073.971	4805.812
24948	SLC10A7	438.2272	0.039003	0.152857	0.255158	0.798601	0.851	413.0698	470.7742	413.2644	482.1394	397.8746	452.2408
25994	LOC10323	36.02456	0.038952	0.445299	0.087474	0.930295	0.951446	26.56223	40.50847	38.96096	46.87467	32.08666	31.15436
26114	LOC11961	24.8313	0.038903	0.564277	0.068943	0.945035	0.96208	31.44101	14.78012	26.43779	35.71403	23.53022	17.08465
23904	DEC1	2476.452	0.038865	0.092045	0.422245	0.672846	0.748311	2374.88	2461.164	2490.023	2598.196	2513.455	2420.996
26318	LOC11962	6.326467	0.038831	1.011014	0.038408	0.969362	0.979197	7.589209	5.474118	5.565851	11.16063	2.139111	6.029877
25176	SHC2	900.1792	0.038772	0.17821	0.217563	0.827769	0.874096	984.4288	660.1786	1022.725	941.9576	780.7754	1011.009
25935	LOC10323	50.02849	0.038694	0.389782	0.099271	0.920923	0.944009	61.25576	35.58177	51.48412	55.80317	42.78221	53.26391
24344	WDR26	4818.172	0.038464	0.108305	0.355145	0.722481	0.788989	4564.909	5346.571	4353.191	4881.662	4616.201	5146.5
24139	RPS6KC1	2822.569	0.038426	0.1	0.384262	0.700785	0.771798	2774.94	2980.11	2602.731	2861.587	2725.227	2990.819
25850	MICOS13	1722.092	0.038349	0.3441	0.111448	0.911261	0.937171	1928.201	982.0568	2188.075	1860.702	1711.289	1862.227
24586	UVRAG	1081.706	0.0382	0.119882	0.318642	0.749998	0.810977	1069.536	1133.142	1002.549	1120.528	994.6865	1169.796
24827	SIX1	613.6181	0.038101	0.137579	0.276939	0.781827	0.837188	604.4263	665.6528	544.7577	638.3883	622.4812	606.0026
24922	L3MBTL1	956.7821	0.038052	0.146013	0.260606	0.794397	0.847405	1052.19	850.678	935.7587	845.9761	930.5131	1125.577
25375	LOC10323	2115.793	0.037946	0.204161	0.185865	0.85255	0.893207	2412.826	1265.616	2587.425	2071.414	2062.103	2295.373
25971	LOC11962	39.4663	0.037942	0.408657	0.092847	0.926025	0.947918	44.99317	35.58177	36.87376	33.4819	40.6431	45.22408
24027	NANS	2086.367	0.037789	0.093864	0.402587	0.687252	0.760419	2042.581	2109.725	2028.057	2062.485	2083.494	2191.86
25356	LOC10323	198.639	0.037716	0.199367	0.189181	0.849951	0.89118	189.7302	192.1415	203.8493	212.0521	218.1893	175.8714
24477	PACS2	2147.577	0.037714	0.113055	0.333593	0.738687	0.802219	2120.642	2032.54	2213.121	2120.521	1961.564	2437.075
24083	AGFG1	4073.825	0.037705	0.096024	0.392663	0.694568	0.766678	3994.634	4264.338	3807.042	4111.578	3901.738	4363.621
24932	CTMEM250	1235.667	0.037693	0.146204	0.25781	0.796554	0.849366	1320.522	1000.669	1342.066	1220.973	1135.868	1393.907
24886	TRCTC1	550.3249	0.037599	0.140104	0.268366	0.788417	0.842244	516.6083	580.8039	532.2345	602.6743	504.8301	564.7985
24280	DUSP18	2297.725	0.037577	0.102968	0.364944	0.715153	0.783045	2354.281	2221.945	2233.993	2180.788	2256.762	2538.578
25018	PINX1	410.2105	0.037534	0.154727	0.242583	0.808328	0.858958	385.9655	445.5932	385.4352	390.6222	406.431	447.2159
26181	SIM1	15.01654	0.03745	0.632374	0.059221	0.952776	0.967478	14.63633	15.87494	13.91463	15.62489	14.97377	15.07469
26369	LOC11962	5.854554	0.037397	1.181451	0.031654	0.974748	0.982733	4.336691	4.926706	7.653045	2.32127	14.97377	1.004979
24483	NOL6	3762.809	0.03733	0.111964	0.333409	0.738825	0.802257	4014.15	3410.376	3724.946	3691.938	3497.446	4237.998
24426	GTDC1	1757.236	0.037225	0.109152	0.341039	0.733074	0.79787	1647.4	1917.036	1638.447	1816.951	1749.793	1773.789
26082	TRNAC-GC	28.19219	0.037141	0.501375	0.074078	0.940949	0.959095	31.9831	22.44388	29.22072	17.85702	38.50399	29.1444
24240	NRIP1	5181.452	0.037119	0.100522	0.369256	0.711937	0.780776	4927.023	5609.329	4810.287	4921.84	5403.394	5416.839
25401	RPP25L	785.1264	0.037098	0.204655	0.181271	0.856155	0.896062	914.4997	501.9766	909.3209	834.8155	740.1323	810.0135
26097	NOA1	24.45408	0.036884	0.516452	0.071417	0.943066	0.9607	24.93597	29.01283	18.78475	22.32127	23.53022	28.13943
23740	CASD1	4879.617	0.036852	0.082533	0.44651	0.655229	0.733752	4898.292	4792.043	4764.368	4859.34	4898.563	5065.097
25790	LOC10323	75.08549	0.036818	0.304775	0.120802	0.903848	0.93171	72.63957	85.94365	64.00729	73.66019	74.86887	79.39338
26301	LOC11962	8.73173	0.036629	0.8962	0.040872	0.967398	0.977787	10.84173	3.284471	11.82743	6.696381	10.69555	9.044815
24749	GK5	739.3933	0.036433	0.125833	0.289535	0.772172	0.829455	753.5001	769.661	666.5107	763.3874	731.5758	751.7246
24578	DCUN1D4	1365.566	0.03636	0.11384	0.319395	0.749427	0.810598	1229.994	1423.818	1392.854	1296.866	1443.9	1405.966
26384	EV12A	4.829892	0.036337	1.195294	0.0304	0.975748	0.983182	3.252518	3.831883	6.957314	2.32127	10.69555	2.009959
25309	LOC11962	272.6456	0.036215	0.183146	0.197738	0.84325	0.885738	309.5313	245.2405	253.2462	283.4801	260.9715	283.4042
25358	MOK	223.69	0.036171	0.191422	0.188958	0.850126	0.891261	211.9558	202.5424	247.6804	225.4448	237.4413	217.0756
25011	LOC10322	680.9279	0.035909	0.147291	0.243798	0.807387	0.858164	609.3051	786.0834				



24633	EWSR1	15643.12	0.035438	0.114345	0.309919	0.756623	0.81658	14056.84	17879.02	14421.12	15615.96	14877.51	17008.27
25802	LRRRC36	80.20354	0.035425	0.295467	0.119895	0.904566	0.932016	86.19173	76.63765	75.13899	91.51721	66.31243	85.42325
26048	RCAN2	31.1846	0.035067	0.449508	0.078012	0.937818	0.957152	31.44101	31.20247	29.91645	35.71403	25.66933	33.16432
26456	LOC119621	1.748631	0.035052	1.831548	0.019138	0.984731	0.989533	0.542086	1.094824	3.478657	2.232127	2.139111	1.004979
24601	LOC103233	1727.364	0.034848	0.110244	0.316098	0.751928	0.812569	1789.969	1669.059	1665.581	1763.38	1580.803	1895.391
24954	SNAPC3	920.4691	0.034839	0.137185	0.253957	0.799529	0.851786	873.3011	1039.535	816.7886	848.2083	971.1562	973.8251
24245	SPRPA	4634.297	0.034765	0.09422	0.368981	0.712142	0.780874	4640.801	4488.777	4613.395	4587.021	4391.594	5084.191
24757	FAM120C	2006.31	0.034763	0.120258	0.289069	0.772528	0.82975	1846.888	2252.052	1851.341	1984.361	1912.365	2190.855
24572	SMARCD3	1716.569	0.034711	0.108354	0.320343	0.748708	0.810044	1709.198	1608.843	1773.419	1799.094	1580.803	1828.058
25826	LOC103238	80.08626	0.034621	0.298126	0.11613	0.907549	0.934185	83.4813	71.16354	81.40057	95.98146	79.14709	69.34358
24244	PHF20	5798.035	0.034547	0.093614	0.369034	0.712102	0.780863	5624.688	6101.452	5464.97	5682.995	5677.2	6236.903
25276	TAF1C	401.9029	0.034427	0.169781	0.202776	0.83931	0.882707	433.127	341.585	420.2217	379.4616	380.7617	456.2607
24773	PARVB	1598.566	0.034427	0.120269	0.286249	0.774687	0.831351	1679.384	1567.787	1496.518	1640.613	1418.23	1788.863
24685	STK38	1838.805	0.034416	0.114166	0.301456	0.763067	0.8218	1701.067	2024.876	1724.718	1752.22	1963.704	1866.247
24134	TMBIM6	26348.39	0.034196	0.088895	0.384681	0.700474	0.77158	26619.69	25588.22	25909.04	25944.01	25096.05	28933.36
24682	HIPK1	5795.943	0.034102	0.112874	0.302124	0.762558	0.821352	5353.103	6513.653	5319.562	5852.637	5435.48	6301.221
26198	LOC119621	18.18645	0.034068	0.60255	0.05654	0.954911	0.969037	14.09425	16.42235	22.95914	22.32127	19.252	14.06971
24526	IFT52	1493.653	0.034036	0.104253	0.326471	0.744068	0.806512	1543.862	1387.142	1495.127	1513.382	1555.133	1467.27
26123	LOC103215	28.41685	0.033913	0.502609	0.067474	0.946204	0.962938	36.86187	24.08612	23.65487	33.4819	19.252	33.16432
26403	TRNAF-GA	3.837809	0.033796	1.235975	0.027344	0.978185	0.984891	2.168345	4.926706	4.174388	4.464254	4.278221	3.014938
24986	PASK	1073.595	0.033788	0.136419	0.24768	0.804382	0.855825	1109.109	1083.328	996.9831	1060.26	932.6523	1259.239
25074	DRG2	1507.386	0.033747	0.14407	0.234238	0.8148	0.863867	1642.522	1214.159	1617.575	1415.169	1452.456	1702.435
26432	LOC10323C	3.189052	0.033689	1.455713	0.023143	0.981537	0.987218	3.252518	3.831883	2.782925	2.232127	0	7.034856
25528	LOC119621	192.9268	0.033642	0.208688	0.161209	0.871929	0.908063	216.2925	166.4132	189.9347	178.5702	205.3546	200.9959
26294	LOC10323C	10.43317	0.033509	0.808603	0.04144	0.966945	0.977646	9.215468	14.23271	7.653045	4.464254	14.97377	12.05975
24830	PRRC1	2684.972	0.033354	0.120668	0.276412	0.782232	0.83752	2463.783	3085.213	2412.796	2582.571	2827.904	2737.564
24781	SFXN3	2194.75	0.033346	0.116783	0.285542	0.775229	0.831664	2231.227	2090.566	2194.337	2165.163	1963.704	2523.503
25148	LOC10323C	1427.126	0.033266	0.149775	0.222106	0.824232	0.87133	1184.459	1750.623	1296.843	1453.115	1422.509	1455.21
25563	ZNF865	233.4264	0.033254	0.213245	0.155944	0.876077	0.911099	204.9086	285.2016	200.3706	256.6946	235.3022	218.0805
24643	EXOC8	1424.391	0.033218	0.107768	0.308241	0.757899	0.817625	1360.095	1508.12	1358.763	1388.383	1422.509	1508.474
25186	PPOX	812.4679	0.033181	0.153217	0.216561	0.828551	0.874574	903.658	655.7994	852.9667	814.7263	757.2452	890.4118
26452	LOC103245	2.088291	0.033174	1.653533	0.020062	0.983994	0.988969	2.168345	3.284471	0.695731	2.232127	2.139111	2.009959
26105	LOC119621	37.81849	0.033083	0.473121	0.069926	0.944253	0.961615	46.07734	21.89647	45.22254	31.24978	34.22577	48.23901
25801	LOC119621	88.51216	0.033049	0.27574	0.119855	0.904598	0.932016	80.77087	89.22813	91.83654	95.98146	89.84265	83.4133
25226	ZNRF1	737.14	0.03292	0.156304	0.210616	0.833187	0.878073	770.3047	655.2519	767.3917	683.0309	652.4288	894.4317
24776	ZNF622	1315.472	0.032881	0.115001	0.285923	0.774937	0.831518	1314.559	1301.745	1291.973	1270.08	1232.128	1482.345
25549	PHETA2	176.2418	0.032812	0.208241	0.157566	0.874799	0.910272	173.4676	159.8442	189.9347	189.7308	162.5724	181.9013
25263	LOC119621	16618.63	0.032804	0.159991	0.205039	0.837542	0.88137	16375.35	13235.87	19685.02	16517.74	13613.3	20284.51
25318	FAM131A	713.3586	0.032779	0.166385	0.19701	0.843819	0.886076	812.0454	560.0023	747.2155	654.0132	705.9065	800.9686
24815	EXT2	5359.867	0.032716	0.117689	0.277987	0.817022	0.836731	5800.866	4861.017	5243.032	5261.123	4838.668	6154.494
24804	SERINC3	7139.557	0.032692	0.116812	0.279865	0.779581	0.835557	6720.787	8233.621	6223.317	6968.7	7159.603	7531.316
25076	GID8	1256.269	0.032558	0.139078	0.234099	0.814908	0.863947	1131.334	1485.128	1111.083	1258.92	1223.571	1327.578
25151	NFIA	836.8227	0.032332	0.146173	0.221189	0.824945	0.87198	742.1162	986.4361	752.7813	832.5834	874.8963	832.123
25097	FBLIM1	1218.416	0.032282	0.139871	0.230801	0.81747	0.865937	1290.166	1081.686	1248.142	1252.223	1035.33	1402.951
24450	TUFT1	4233.566	0.032233	0.095484	0.33757	0.735687	0.799895	4287.903	4252.295	4023.415	4343.719	3944.52	4549.542
24983	KRI1	1935.968	0.032223	0.129726	0.248391	0.803832	0.855376	1738.471	2245.483	1762.288	1828.112	1938.034	2103.422
24704	PHKG2	1285.248	0.032208	0.107997	0.298229	0.765528	0.823842	1346	1233.866	1235.619	1290.169	1247.102	1358.732
24683	MEGF9	4145.496	0.032206	0.106634	0.302023	0.762635	0.821401	3846.645	4502.462	3954.537	3944.168	4068.588	4556.577
24957	DCAF12	633.5455	0.032196	0.126929	0.253654	0.799763	0.851933	660.8033	609.8168	607.3735	633.9241	665.2634	624.0923
24584	AP2A2	4732.285	0.032171	0.100918	0.318785	0.74989	0.810894	4576.293	5015.934	4452.681	4651.753	4494.272	5202.779
24907	HCYV1	5967.85	0.032164	0.122099	0.263424	0.792224	0.845596	5391.049	6993.733	5321.649	5906.208	5809.825	6384.635
25104	LOC119621	574.0217	0.032062	0.139709	0.229488	0.818489	0.866776	573.5274	534.2739	599.7204	542.4069	554.0297	640.1719
24689	DNAJB14	4064.577	0.032047	0.106441	0.301082	0.763352	0.821974	3826.588	4516.695	3711.727	4136.131	4239.717	3956.604
25049	ADIPOR1	5230.186	0.031984	0.134553	0.237706	0.812109	0.861908	4632.128	6383.369	4501.382	5241.034	5219.43	5403.775
24782	NCOA5	1905.376	0.031902	0.111909	0.285071	0.77559	0.832017	1774.249	2090.566	1791.508	1870.522	1865.305	2040.108
25342	NDUFB2	3191.153	0.031752	0.165515	0.191836	0.84787	0.88947	3727.386	2251.505	3491.876	3241.048	2949.834	3485.269
25238	ZDHHC8	1069.257	0.031462	0.150134	0.209557	0.834014	0.878559	1112.903	869.8374	1191.788	1174.099	943.3478	1123.567
24918	UBXN6	1873.787	0.031195	0.119482	0.261081	0.79403	0.84715	2065.349	1615.412	1881.953	1890.612	1824.661	1964.735
25273	MYEF2	4244.374	0.031152	0.15338	0.203101	0.839056	0.882614	3492.12	5430.325	3674.157	4196.399	4199.074	4474.169
25199	ECI1	973.6636	0.031111	0.144878	0.214739	0.829971	0.875621	1068.452	828.2341	996.2873	1022.314	851.366	1075.328
25224	CCNYL1	837.7891	0.031049	0.147371	0.210682	0.833135	0.878057	750.2475	985.3413	751.3899	877.2259	787.1927	875.3371
26211	RIPOR2	19.24467	0.030944	0.570002	0.054287	0.956706	0.970357	20.59928	21.34906	15.30609	17.85702	19.252	21.10457
26136	LOC11962C	33.95914	0.030836	0.470012	0.065606	0.947691	0.963972	31.9831	33.93953	33.39511	49.10679	34.22577	21.10457
25909	LOC119615	91.09324	0.030832	0.298482	0.103296	0.917728	0.941672	75.35001	82.65918	111.317	100.4457	98.39909	78.3884
26319	LOC103234	10.1078	0.030815	0.807011	0.038184	0.969541	0.979265	8.131296	7.663765	13.91463	8.928508	14.97377	7.034856
24562	CYB5A	2373.68	0.030732	0.095406	0.32212	0.747362	0.808884	2297.362	2293.108	2451.062	2453.108	2462.116	2285.323
24565	MOB1B	4348.491	0.030669	0.095436	0.321354	0.747942	0.809446	4124.735	4657.38	4127.774	4323.63	4286.778	4570.647
25156	PITPNM1	4030.819	0.030638	0.138938	0.220518	0.825468	0.872272	4163.765	3244.51	4561.215	4053.543	3619.375	4542.507
25490	CHID1	1963.141	0.030531	0.183968	0.165959	0.868189	0.905485	2268.089	1355.392	2207.556	1988.825	1670.645	2288.338
26142	LOC11962C	31.99225	0.0305	0.470224	0.064864	0.94828							



24870	CTC1	1272.415	0.029984	0.110885	0.270408	0.786847	0.841108	1277.155	1244.267	1262.057	1196.42	1255.658	1398.931
25476	SFT2D3	264.3414	0.02997	0.177927	0.168439	0.866238	0.903946	276.464	251.262	258.8121	276.7837	235.3022	287.4241
26254	CSNK1A1L	17.7584	0.029895	0.62986	0.047463	0.962145	0.974238	14.63633	18.612	19.48048	8.928508	27.80844	17.08465
25110	BOLA3	1113.403	0.029841	0.130539	0.228597	0.819182	0.867302	1149.765	950.8543	1204.311	1205.349	1071.694	1098.443
24714	RARS1	4796.905	0.02972	0.100479	0.295785	0.767395	0.825324	4560.031	5237.636	4447.811	4749.966	4718.878	5067.106
25187	RANBP10	961.229	0.029564	0.136577	0.216464	0.828626	0.874619	925.3414	1085.518	846.0093	897.315	969.0171	1044.174
24991	UFL1	2756.361	0.02951	0.11949	0.246966	0.804935	0.856276	2534.311	3149.26	2483.761	2732.123	2661.054	2957.655
25457	TMEM216	537.2141	0.029367	0.172256	0.170485	0.864629	0.902834	575.6957	413.2959	605.982	569.1924	530.4994	528.6192
25181	IER5	666.0391	0.029099	0.134016	0.217127	0.82811	0.874306	695.4968	621.8598	665.1192	620.5313	654.5679	738.6599
25231	MAST4	1177.095	0.029034	0.138135	0.210186	0.833522	0.878253	1034.843	1351.56	1113.17	1087.046	1176.511	1299.438
24691	LOC103221	4182.593	0.029001	0.096435	0.300728	0.763622	0.822198	4075.947	4471.807	3874.528	4323.63	4049.336	4300.307
24890	KDM6A	2846.465	0.028854	0.108046	0.267055	0.789427	0.843187	2669.775	3127.911	2656.302	3017.836	2699.558	2907.406
24881	GNL2	3350.941	0.028821	0.107009	0.269331	0.787675	0.84162	3169.579	3707.073	3078.611	3303.548	3294.23	3552.602
24574	SMIM14	6338.412	0.028803	0.090034	0.319913	0.749034	0.810331	6667.662	5859.496	6300.543	6319.151	6338.185	6545.431
25054	PI4KA	2562.727	0.02875	0.121124	0.237359	0.812378	0.862036	2302.783	2812.054	2503.241	2491.054	2365.856	2901.376
25102	AP1M1	2888.907	0.028726	0.124846	0.230088	0.818024	0.866377	3108.323	2526.853	2951.988	2859.355	2592.602	3294.323
26092	RAP1GAP2	51.10646	0.028714	0.398521	0.072052	0.942561	0.96037	43.36691	50.9093	55.65851	62.49956	62.03421	32.15934
25196	FAM117A	678.0658	0.028431	0.132107	0.215215	0.8296	0.875346	666.2241	689.1915	662.3363	602.6743	712.3239	735.645
25021	PDZD11	1832.785	0.028428	0.117433	0.242077	0.80872	0.859272	1650.653	2029.803	1760.2	1975.432	1828.94	1751.679
25436	NAIF1	439.2094	0.028349	0.16164	0.175385	0.860777	0.89966	485.1673	395.7787	424.3961	486.6037	385.0399	458.2706
26193	TRNAL-AAI	35.10806	0.028306	0.48955	0.05782	0.953892	0.968204	46.61943	20.25424	38.26523	33.4819	27.80844	44.2191
24545	COQ9	3304.989	0.028259	0.087291	0.323731	0.746142	0.808165	3194.515	3277.902	3347.164	3236.584	3399.047	3374.721
25606	FRS3	211.3318	0.028189	0.187871	0.150044	0.88073	0.914403	204.9086	218.9647	205.2408	203.1236	209.6328	226.1204
24921	RALY	4009.168	0.027777	0.106478	0.260869	0.794194	0.847223	3764.248	4287.329	3866.179	4035.686	3685.688	4415.88
25558	LOC103221	401.5545	0.027692	0.177056	0.156405	0.875713	0.910902	348.0194	473.5112	368.7376	428.5684	425.683	364.8075
24825	PSPC1	3409.952	0.027578	0.099539	0.277053	0.78174	0.837162	3448.753	3610.728	3072.35	3350.423	3510.281	3467.179
25096	LOC103234	709.2886	0.0275	0.118882	0.231323	0.817064	0.865542	703.6281	716.5621	687.3826	707.5843	723.0194	717.5553
26149	CD300LG	38.97382	0.027393	0.428038	0.063996	0.948974	0.964806	46.61943	31.74989	36.87376	51.33892	32.08666	35.17428
25189	NAB2	2205.263	0.027253	0.126086	0.216149	0.828871	0.874795	2369.46	1875.433	2313.307	2218.734	2023.599	2431.045
25355	ABCG2	470.8347	0.027189	0.143754	0.189133	0.849989	0.89118	479.2044	489.9336	427.8748	499.9964	472.7435	455.2557
24984	F2RL1	1357.065	0.027157	0.109474	0.248071	0.804079	0.855605	1425.687	1305.03	1305.192	1386.151	1279.188	1441.141
26167	LOC119621	35.4089	0.027115	0.449094	0.060376	0.951856	0.96698	27.10432	43.24553	34.09084	44.64254	34.22577	29.1444
24829	EXOC6	2466.697	0.027003	0.097669	0.27649	0.782172	0.83749	2370.002	2604.585	2352.963	2488.822	2581.907	2401.901
24962	FIGA	1277.214	0.026975	0.106808	0.252552	0.800615	0.852643	1268.482	1324.737	1205.007	1265.616	1257.797	1341.648
24811	PURB	4492.997	0.026632	0.095531	0.278778	0.780415	0.836184	4300.371	4796.97	4261.355	4397.29	4434.376	4767.623
25131	FAM3A	1606.426	0.026363	0.11639	0.226504	0.82081	0.868299	1649.027	1422.723	1707.325	1627.221	1518.769	1713.49
24669	ACTR3	11101.88	0.026355	0.086344	0.305235	0.760187	0.819269	10784.27	11685.05	10535.46	10964.21	11037.81	11604.5
25964	MSX2	99.24532	0.026139	0.279236	0.09361	0.925419	0.947516	96.49137	117.1461	82.0963	98.21359	91.98176	109.5428
25228	SCAF1	1742.235	0.026136	0.12418	0.210472	0.833299	0.878122	1751.481	1641.141	1793.595	1774.541	1503.795	1988.854
24742	ELP1	5447.466	0.02613	0.089676	0.291383	0.770758	0.828171	5497.84	5483.424	5219.377	5321.391	5300.716	5862.045
25365	LOC119621	483.7422	0.026051	0.138425	0.1882	0.85072	0.891638	489.504	489.9336	456.3998	491.0679	511.2474	464.3005
25431	FRRS1	696.6307	0.025883	0.147242	0.175783	0.860465	0.89951	780.6044	587.3729	703.3844	741.0662	658.8461	708.5105
25193	XPR1	6221.21	0.025845	0.119717	0.215884	0.829078	0.874945	5691.907	7253.207	5554.024	6062.457	6115.717	6649.949
24955	MAP3K2	6353.749	0.025844	0.101796	0.253879	0.799589	0.851816	5978.128	6989.354	5926.936	6232.099	6218.395	6777.582
26379	LOC103221	9.748632	0.02576	0.834651	0.030863	0.975378	0.982961	9.215468	13.6853	5.565851	11.16063	12.83466	6.029877
25881	PMEL	267.77	0.025602	0.241269	0.106114	0.915492	0.940191	332.2989	195.9734	271.3352	223.2127	248.1368	335.6631
25455	SHROOM4	606.7121	0.025596	0.149495	0.171216	0.864054	0.902443	702.5439	547.4118	554.4979	591.5136	618.203	626.1022
26356	ACCSL	12.23355	0.025452	0.761387	0.033429	0.973332	0.981772	11.9259	10.40082	13.2189	17.85702	14.97377	5.024897
26237	LOC119611	26.35289	0.025444	0.500395	0.050844	0.95945	0.972139	30.89892	19.70683	27.82925	29.01765	23.53022	27.13445
25421	LOC103231	2183.293	0.025423	0.14296	0.177834	0.858853	0.988209	1947.174	2677.391	1868.734	2162.931	2139.111	2304.418
26442	LOC103241	4.596473	0.025212	1.170674	0.021536	0.982818	0.988116	5.96295	2.189647	5.565851	6.696381	2.139111	5.024897
25517	MED31	482.5729	0.025209	0.155232	0.162395	0.870995	0.90745	493.2986	446.688	494.665	560.2639	417.1266	483.3951
26176	LOC103211	38.22386	0.025015	0.419631	0.059613	0.952464	0.967346	36.31979	31.20247	45.91827	37.94616	42.78221	35.17428
25573	RTN1	387.8217	0.024937	0.160766	0.155113	0.876733	0.911427	407.6489	384.8305	363.8675	397.3186	340.1186	433.1462
25599	TBCA	1730.851	0.024924	0.164931	0.15112	0.879881	0.913735	1388.283	2122.316	1632.186	1830.344	1948.73	1463.25
25082	LAMTOR1	2739.951	0.024766	0.106128	0.233358	0.815483	0.86435	2867.095	2418.465	2866.413	2714.266	2727.366	2846.102
25185	VPS16	3120.31	0.024748	0.114254	0.216608	0.828514	0.87457	3282.333	2932.485	3074.437	2917.39	2928.443	3586.772
25420	HSD17B8	1434.206	0.024625	0.138498	0.177798	0.858882	0.898209	1561.209	1202.664	1507.65	1323.651	1384.005	1626.057
25500	CUNH3orf1	505.8059	0.02456	0.149634	0.164135	0.869625	0.906627	530.7026	464.7526	507.1882	470.9788	581.8381	479.3752
25157	FEM1B	5940.527	0.024438	0.110821	0.220521	0.825465	0.872272	5550.964	6762.178	5359.219	5950.851	5799.129	6220.823
26233	LOC119621	34.26272	0.02441	0.473641	0.051537	0.958898	0.971812	44.45108	24.08612	33.39511	24.5534	44.92132	34.1693
25215	APAF1	950.1936	0.024371	0.115131	0.211684	0.832354	0.877543	996.8968	918.0096	912.7996	908.4757	986.13	978.85
26440	LOC119621	4.878303	0.024271	1.09737	0.022118	0.982354	0.987742	5.96295	4.926706	3.478657	4.464254	6.417332	4.019918
26204	DNASE1L2	51.40059	0.024207	0.435206	0.055622	0.955643	0.969538	53.12446	29.01283	71.66033	55.80317	38.50399	60.29877
25229	UPF1	4799.492	0.024196	0.115015	0.210368	0.833338	0.878173	4965.511	4371.083	4950.129	4564.7	4415.124	5530.402
25636	LOC103241	332.3647	0.024094	0.166866	0.144389	0.885194	0.917961	355.0666	303.8136	326.9937	357.1403	348.675	302.4988
25729	COMMD4	1453.923	0.023963	0.183636	0.130489	0.89618	0.925995	1788.343	987.5309	1551.481	1446.418	1384.005	1565.758
25461	IDNK	635.0781	0.02383	0.139869	0.170374	0.864716	0.90289	692.7864	638.2822	556.5851	674.1023	624.6203	624.0923
26219	LOC119621	34.6159	0.023785	0.447158	0.053191	0.95758	0.970958	38.48813	30.65506	32.69937	37.94616	42.78221	25.12449
25338	ZFAND2B	1100.629	0.023743										



25391 THOC7	2819.004	0.023236	0.12696	0.183021	0.854782	0.895012	2515.823	3246.152	2622.212	2837.033	3105.989	2586.817
25680 LSM7	833.8329	0.023224	0.167796	0.138408	0.889918	0.92128	910.7051	634.9977	939.2374	772.3159	817.1403	928.601
25592 GSTP1	11349.08	0.023107	0.151101	0.152922	0.87846	0.912533	13118.49	8366.642	12292.88	11415.1	10451.69	12449.69
24967 SAMD8	3167.992	0.023091	0.091609	0.252067	0.80099	0.852898	3184.757	3173.346	3075.133	3049.085	3150.91	3374.721
25806 LOC103247	341.2782	0.022955	0.192196	0.119436	0.90493	0.932247	330.1306	408.9166	274.8139	332.5869	378.6226	322.5984
25643 EIF4E3	429.4244	0.022798	0.158995	0.143387	0.885985	0.918532	424.4536	482.2698	371.5206	421.872	434.2395	442.191
25280 TMEM165	1628.015	0.022787	0.112636	0.20231	0.839675	0.88302	1732.508	1441.335	1670.451	1638.381	1683.48	1601.937
26386 LOC103235	11.24934	0.022738	0.753372	0.030182	0.975922	0.983282	14.63633	7.116354	11.82743	11.16063	10.69555	12.05975
25109 AKAP8L	2263.532	0.022716	0.099326	0.228705	0.819098	0.867248	2236.648	2328.69	2176.943	2247.752	2154.084	2437.075
25405 LOC119625	747.0327	0.02251	0.124785	0.18039	0.856846	0.896695	706.8806	784.4411	731.9094	801.3336	705.9065	751.7246
25392 ISOC1	821.4145	0.022504	0.123131	0.182764	0.854983	0.895152	842.9443	857.2469	745.824	830.3512	797.8883	854.2325
25352 ATG14	1225.864	0.02249	0.118618	0.189598	0.849624	0.890946	1156.27	1351.56	1143.087	1227.67	1187.206	1289.389
25955 LIPT1	122.1117	0.022443	0.237703	0.094415	0.924779	0.947226	117.6327	121.5254	123.1445	129.4634	128.3466	112.5577
25277 TUBGCP5	1155.83	0.02243	0.110613	0.202782	0.839306	0.882707	1216.442	1149.017	1076.296	1154.01	1142.285	1196.931
25598 SCR3	741.4075	0.022255	0.146757	0.151642	0.879469	0.91338	650.5036	863.8158	690.8613	752.2268	776.4972	714.5404
26468 LOC119625	3.190509	0.021992	1.411815	0.015577	0.987572	0.991937	2.168345	1.094824	6.261582	4.464254	2.139111	3.014938
25362 TRIM68	1071.956	0.02198	0.116533	0.188616	0.850394	0.891401	1041.348	1150.66	1001.853	1035.707	1069.555	1132.612
25295 USP47	6930.453	0.021963	0.110076	0.199524	0.841853	0.884786	6559.245	7762.847	6315.849	6607.096	6785.259	7552.421
26175 LOC119625	72.87765	0.021881	0.364591	0.060015	0.952144	0.967058	97.03346	53.09895	65.39875	69.19594	96.25998	56.27885
25265 POC1B	1813.971	0.021871	0.106773	0.20484	0.837697	0.881463	1742.808	1955.902	1704.542	1819.183	1751.932	1909.461
25030 ACTG1	67005.13	0.021867	0.090801	0.240829	0.809688	0.860019	69061.26	64010.51	66428.43	66155.78	63103.76	73271.04
25275 LOC119618	1278.344	0.021863	0.107683	0.203026	0.839115	0.882622	1277.155	1314.883	1217.53	1265.616	1232.128	1362.752
26340 MMP2	18.86028	0.021857	0.610934	0.035776	0.971461	0.980497	19.51511	17.51718	18.08902	22.32127	25.66933	10.04979
25032 DUSP3	8894.898	0.021805	0.090662	0.240509	0.809936	0.860185	8958.519	8781.58	8750.909	8772.259	8396.009	9710.112
26172 LOC119625	54.1243	0.02169	0.360098	0.060233	0.95197	0.966992	64.50828	43.24553	53.57132	55.80317	51.33866	56.27885
25334 PPFA1	3876.653	0.021646	0.111927	0.193397	0.846648	0.888456	3708.413	4307.584	3531.532	3785.687	3685.688	4241.013
26247 LOC103215	35.96574	0.021421	0.436332	0.049093	0.960845	0.973219	36.31979	37.77142	34.09084	35.71403	25.66933	46.22906
26251 LOC119625	41.60514	0.021346	0.442124	0.048281	0.961493	0.973726	48.24569	49.26706	25.74206	35.71403	53.47777	37.18424
25981 LOC103218	340.5718	0.021323	0.23432	0.090998	0.927494	0.949052	272.6694	474.606	266.4651	370.5331	314.4493	344.708
26169 TMEM258	1917.367	0.021314	0.353128	0.060358	0.951871	0.96698	2266.463	1100.298	2343.919	1897.308	1696.315	2199.9
25072 DPH3	5882.031	0.021308	0.0908	0.234673	0.814462	0.863612	5985.718	5392.006	6137.742	5959.779	5948.867	5868.075
25406 LIMK2	1537.946	0.021275	0.118273	0.179881	0.857246	0.897027	1647.4	1413.417	1524.347	1529.007	1416.091	1697.41
25272 ZDHHC5	4728.381	0.021257	0.104661	0.203105	0.839053	0.882614	4744.34	4792.59	4552.17	4622.735	4321.004	5337.446
26157 NCCRP1	66.10599	0.021169	0.338523	0.062533	0.950138	0.965685	48.78777	75.54283	73.05179	64.73168	64.17332	70.34856
26011 GFOD1	128.6167	0.020942	0.246037	0.085116	0.932169	0.952703	134.4374	134.1159	112.7085	124.9991	151.8769	113.5627
26262 LOC119625	34.04814	0.020869	0.451535	0.046219	0.963136	0.974982	42.28274	32.84471	25.74206	40.17829	32.08666	31.15436
26420 LOC119625	10.6233	0.020538	0.827802	0.024811	0.980206	0.986328	13.01007	6.02153	12.52316	17.85702	4.278221	10.04979
25690 DNAJB5	765.8232	0.020512	0.15039	0.136394	0.89151	0.922569	676.5238	905.4191	701.2972	741.0662	746.5496	824.0832
25237 AP2M1	11683.54	0.02049	0.097795	0.209517	0.834045	0.878559	11620.71	12419.68	10767.14	11528.94	11069.9	12694.9
25183 IL13RA1	4623.323	0.02037	0.093912	0.216907	0.828281	0.874393	4416.92	4967.215	4387.282	4774.52	4534.915	4659.085
26425 LOC119625	9.055914	0.020356	0.841936	0.024178	0.980711	0.986649	7.589209	9.306001	9.740239	6.696381	14.97377	6.029877
25610 IFIH1	803.3131	0.020303	0.136164	0.149107	0.881469	0.915028	756.7526	915.82	720.082	801.3336	812.8621	813.0284
26308 LOC119625	63.75585	0.020056	0.500953	0.040036	0.968065	0.978257	34.15144	117.1461	39.65669	62.49956	40.6431	88.43819
26488 LOC119625	2.46209	0.020048	1.50783	0.013296	0.989391	0.992922	2.710432	3.284471	1.391463	2.232127	2.139111	3.014938
25377 LOC119625	4086.915	0.019978	0.107817	0.185299	0.852995	0.893599	4344.28	3751.961	4086.726	3999.972	3799.061	4539.492
25384 LOC103225	4176.524	0.019944	0.108646	0.183567	0.854353	0.89475	4440.772	3813.271	4195.956	4102.649	3867.512	4638.985
26260 LOC119625	35.14087	0.019855	0.426821	0.046517	0.962898	0.974812	31.9831	35.58177	37.56949	29.01765	38.50399	38.18922
26060 LOC103235	141.3209	0.019389	0.254819	0.076088	0.939349	0.958273	158.2892	118.241	143.3207	122.767	179.6853	125.6224
26185 NXPH4	78.98278	0.019311	0.330696	0.058395	0.953434	0.967999	61.79785	105.6505	68.18167	71.42806	83.42532	83.4133
26087 DNHD1	119.0312	0.019233	0.26297	0.073139	0.941695	0.959672	118.7169	123.1677	109.9256	136.1597	134.764	91.45313
25213 CASP3	2708.41	0.019119	0.090167	0.212038	0.832077	0.877356	2674.112	2784.684	2613.863	2736.588	2667.471	2773.743
25485 KDM3B	5592.862	0.018999	0.113998	0.166658	0.867639	0.905088	5299.978	6406.908	4963.348	5522.282	5465.428	5899.229
26077 TAF4	110.6747	0.018847	0.25263	0.074601	0.940532	0.958854	103.5385	123.7151	102.2725	111.6063	113.3729	109.5428
25540 ISCA1	2541.429	0.018667	0.117246	0.159209	0.873504	0.909245	2697.422	2150.781	2727.963	2531.232	2558.376	2582.797
25447 MTM1	2192.358	0.018552	0.107471	0.172621	0.86295	0.901541	2101.669	2388.905	2047.537	2176.324	2109.163	2330.547
25642 YTHDF1	2648.517	0.018544	0.129079	0.143664	0.885766	0.918343	2364.039	3121.342	2412.101	2520.071	2620.411	2853.137
26531 LOC119615	1.052576	0.018439	2.525322	0.007302	0.994174	0.996198	1.084173	0	2.087194	0	2.139111	1.004979
25571 B4GALT2	1699.366	0.018178	0.117163	0.155153	0.876701	0.911427	1741.724	1508.12	1820.729	1698.649	1597.916	1829.063
25519 SF3A3	5151.228	0.018124	0.111793	0.162121	0.871211	0.907604	4840.289	5883.582	4634.267	5035.678	5150.978	5362.57
25633 CIAO2A	2178.942	0.018119	0.125078	0.144862	0.88482	0.917682	2249.658	1827.808	2416.971	2165.163	2316.657	2097.392
26039 PLAG1	196.238	0.018062	0.225592	0.080066	0.936185	0.955742	217.3766	216.7751	149.5822	216.5163	188.2417	188.9361
25285 HAT1	3324.407	0.017986	0.089564	0.200816	0.840842	0.884055	3232.461	3451.431	3229.585	3249.977	3351.986	3431
25906 CARMIL2	302.7945	0.017882	0.172175	0.103858	0.917282	0.941288	306.8209	269.874	325.6023	330.3548	286.6408	297.4739
25542 STT3A	12072.85	0.017665	0.111347	0.158647	0.873947	0.909597	11241.79	13836.38	10921.59	11937.42	11660.29	12839.62
25763 SIX5	675.4297	0.017463	0.138881	0.125739	0.899939	0.928652	692.7864	589.5625	733.9966	678.5666	648.1505	709.5155
27836 KNG4	0.678777	0.01741	3.247468	0.005361	0.995723	NA	0.542086	0	1.391463	0	2.139111	0
25918 BOLA1	431.5669	0.017385	0.171632	0.101292	0.919319	0.942978	442.8846	365.1237	480.0546	479.9073	372.2053	449.2258
25562 NAMPT	2465.061	0.017318	0.111101	0.155881	0.876127	0.911099	2328.261	2752.387	2269.476	2381.679	2588.324	2470.24
25449 KLHDC10	4386.985	0.017305	0.10039	0.172382	0.863137	0.901696	4330.186	4660.664	4097.162	4241.041	4216.187	4776.667
25760 ADAM12	1057.362	0.017217	0.136632	0.126009	0.899725	0.92854	939.4357	1232.771	982.3727	1044.635	1037.469	1107.487
25789 POLR2E	5193.522	0.017213	0.142423	0.120859	0.903803	0.931699	5796.53	4044.826	5650.73	5194.159	4710.322	5764.562
26693 TIFAB	0.694279	0.017177	3.224973	0.005326	0.99575	NA	0.542086	0				



25700	UBL7	911.9714	0.016971	0.125868	0.13483	0.892746	0.923489	974.6713	863.2684	885.666	926.3327	829.9749	991.9147
25671	CDC23	3211.778	0.016949	0.121605	0.139374	0.889154	0.920776	2982.017	3730.064	2868.5	3245.513	3056.789	3387.786
26348	LOC103245	31.3105	0.016743	0.48198	0.034738	0.972289	0.981005	21.14137	33.39212	38.26523	35.71403	34.22577	25.12449
25693	BAZ2A	6907.168	0.016494	0.121666	0.135567	0.892164	0.923137	6290.912	8133.992	6180.877	6676.292	6787.398	7373.534
25544	DGCR8	1979.627	0.016492	0.103958	0.158642	0.873951	0.909597	2019.814	1992.032	1899.347	1890.612	1910.226	2165.731
25662	SAMM50	1418.398	0.016478	0.117326	0.140448	0.888306	0.920256	1424.061	1375.646	1438.772	1352.669	1311.275	1607.967
26397	LOC103214	20.83538	0.016303	0.573121	0.028446	0.977306	0.984257	20.0572	22.9913	18.78475	31.24978	12.83466	19.09461
25872	FGF12	593.9179	0.016254	0.151177	0.10752	0.914377	0.939576	561.0594	689.7389	519.7113	607.1385	598.951	586.908
26503	CHSY3	3.128027	0.015952	1.472612	0.010833	0.991357	0.994424	1.626259	4.926706	2.782925	0	6.417332	3.014938
26182	PRRG4	96.47582	0.01582	0.269497	0.058702	0.95319	0.967861	104.6227	85.94365	96.70666	107.1421	91.98176	92.45811
25766	CFAP36	2301.178	0.015631	0.125376	0.124676	0.90078	0.929347	2029.029	2684.508	2150.506	2301.323	2408.639	2233.064
25733	SUSD1	1275.377	0.015512	0.120005	0.129264	0.897149	0.926853	1182.29	1430.387	1193.179	1308.026	1264.214	1276.324
25877	UCK1	804.7471	0.015449	0.14451	0.106908	0.914862	0.939893	836.4393	723.131	848.0965	761.1553	723.0194	936.6409
25589	HES1	1663.125	0.015239	0.099596	0.153011	0.87839	0.912508	1721.666	1600.632	1642.622	1689.72	1608.611	1715.5
26366	LOC103228	33.00542	0.015193	0.474858	0.031995	0.974476	0.982573	26.02015	31.74989	39.65669	35.71403	42.78221	22.10955
26344	LOC119625	36.59385	0.014969	0.423004	0.035387	0.971771	0.980661	34.15144	31.74989	43.13534	35.71403	40.6431	34.1693
25718	NOL9	3693.121	0.014949	0.113294	0.131944	0.895028	0.925201	3530.609	4168.541	3326.292	3571.403	3602.262	3959.619
25503	METTL6	2278.875	0.014934	0.091278	0.163605	0.870042	0.906955	2272.426	2281.065	2244.429	2345.965	2312.379	2216.985
25705	RNF114	3122.646	0.014742	0.110171	0.133814	0.89355	0.92409	3433.033	2745.27	3144.01	3138.371	3031.12	3244.074
26505	LOC119625	2.7909	0.014693	1.422491	0.010329	0.991759	0.994698	3.252518	2.189647	2.782925	2.232127	4.278221	2.009959
25736	ST13	15520.62	0.014692	0.113894	0.128997	0.89736	0.926957	14266.63	18136.3	13920.89	15479.8	15778.08	15542.01
25846	RAD9A	608.6561	0.014563	0.129887	0.112122	0.910726	0.936766	576.7799	600.5108	641.4643	616.067	583.9772	633.1371
26049	AP153	272.3629	0.014513	0.186381	0.077869	0.937932	0.957195	231.4709	296.6972	283.8584	263.391	299.4755	259.2847
25652	FAM114A2	1803.448	0.014377	0.101536	0.141593	0.887402	0.919659	1767.202	1879.812	1736.546	1712.041	1908.087	1817.003
25956	GAS2L3	693.9562	0.014303	0.151582	0.094359	0.924824	0.947236	615.8101	815.0962	639.3771	752.2268	658.8461	682.3811
25402	RPN1	17965.75	0.014276	0.079062	0.180563	0.856711	0.896609	18363.18	17479.95	17789.85	18292.28	17435.89	18433.33
25761	BET1L	1156.548	0.014113	0.11213	0.125867	0.899837	0.928608	1143.26	1143.543	1171.612	1113.831	1103.781	1263.259
26423	LOC103245	46.35158	0.014112	0.57268	0.024642	0.980341	0.986383	26.56223	88.68071	22.2634	35.71403	72.72976	32.15934
25749	LRRG47	1575.578	0.014053	0.109887	0.127887	0.898239	0.927402	1653.906	1489.508	1563.308	1640.613	1443.9	1662.236
25978	LOC119625	20954.32	0.014041	0.153809	0.091291	0.927261	0.948928	20953.26	16791.86	24818.83	20836.91	17433.75	24891.33
25773	SGSM2	3386.868	0.013855	0.112288	0.123389	0.901799	0.930211	3566.386	3130.101	3422.998	3316.941	3073.902	3810.882
26903	LOC119625	0.679664	0.013789	3.246262	0.004248	0.996611	NA	0	0.547412	1.391463	0	2.139111	0
26283	LOC103215	83.62616	0.013781	0.319873	0.043083	0.965635	0.976731	65.05036	106.1979	77.92191	73.66019	100.5382	78.3884
26044	YLFPM1	2520.305	0.013776	0.172446	0.079886	0.936328	0.955778	1975.905	3381.91	2166.507	2522.303	2547.681	2527.523
26268	LOC103245	131.2089	0.013672	0.303942	0.044981	0.964122	0.975716	185.3935	88.68071	117.5786	122.767	141.1813	131.6523
25750	SPG21	2135.297	0.01363	0.106849	0.127567	0.898492	0.927627	2235.564	2115.199	2030.84	2098.199	1989.373	2342.607
25874	PAFAH1B3	1910.373	0.013317	0.124002	0.107392	0.914478	0.939607	2046.918	1614.865	2045.45	1946.415	1809.688	1998.904
26480	LOC103228	7.801395	0.013171	0.928174	0.014191	0.988678	0.992598	9.757555	3.831883	9.740239	11.16063	4.278221	8.039836
25862	PAPOLG	1710.658	0.012974	0.117965	0.109978	0.912427	0.937935	1607.828	1936.743	1565.396	1694.184	1692.037	1767.759
25853	ZNF148	5489.644	0.012901	0.116292	0.110934	0.911668	0.937481	5056.04	6399.244	4940.388	5517.818	5405.533	5618.84
26407	IMPG2	33.71709	0.012862	0.482949	0.026631	0.978754	0.985351	45.53526	21.89647	32.69937	31.24978	42.78221	28.13943
25692	VPS39	3987.866	0.01272	0.093716	0.135725	0.892038	0.923044	3986.503	4095.735	3834.871	3790.152	3931.685	4288.247
26474	LOC103218	8.883446	0.012693	0.847798	0.014971	0.988055	0.992212	8.131296	9.853413	9.044508	8.928508	4.278221	13.06473
26111	TMEM131H	573.3417	0.012655	0.18307	0.069125	0.94489	0.962043	519.3187	723.6784	468.2272	533.4783	639.5941	555.7536
26215	LOC119625	217.9111	0.01238	0.231094	0.053572	0.957276	0.970787	182.6831	281.3697	185.7603	212.0521	239.5804	206.0208
25878	EVA1A	1311.141	0.012371	0.115822	0.106813	0.914938	0.939934	1385.031	1197.19	1337.196	1350.437	1217.154	1379.837
26115	SNAPIN	1001.652	0.012182	0.177232	0.068732	0.945203	0.962177	1138.381	717.1095	1139.608	968.7431	947.626	1098.443
26012	HID1	745.9242	0.012061	0.141614	0.085169	0.932127	0.952703	654.8403	836.4453	740.2582	734.3698	701.6283	808.0035
25757	DCUN1D3	2003.356	0.012009	0.095035	0.126363	0.899444	0.928322	1992.709	2048.415	1946.656	2004.45	1946.591	2081.312
26074	MED4	726.5973	0.01168	0.156126	0.074809	0.940367	0.958759	642.9144	879.1434	648.4216	703.12	759.3843	726.6002
26422	LOC103245	31.63876	0.011516	0.468092	0.024602	0.980373	0.986383	36.31979	23.53871	34.09084	31.24978	38.50399	26.12947
26381	LOC119625	59.36868	0.01147	0.372233	0.030814	0.975418	0.982961	55.8349	60.76271	61.92009	33.4819	74.86887	69.34358
25876	MDN1	8465.692	0.011419	0.106455	0.107265	0.914579	0.939674	8369.814	8964.416	7970.994	7984.318	7921.127	9583.484
25888	BBS4	1731.471	0.011356	0.107205	0.105931	0.915637	0.940289	1791.053	1651.541	1737.241	1705.345	1619.307	1884.337
26346	LOC119625	95.08402	0.011284	0.321352	0.035115	0.971988	0.980806	74.26583	112.2194	95.3152	100.4457	121.9232	66.32864
26510	LOC103216	4.56425	0.01126	1.160952	0.009699	0.992262	0.995039	3.794605	2.737059	6.957314	4.464254	6.417939	3.014938
25886	ZNF629	2573.465	0.011085	0.104482	0.106096	0.915506	0.940191	2488.176	2779.757	2427.407	2506.679	2477.09	2761.684
25989	GMEB2	1103.154	0.010976	0.122747	0.089419	0.928749	0.950048	1156.812	985.8887	1158.393	1060.26	1071.694	1185.876
25969	REXO1	1117.247	0.010954	0.117834	0.092958	0.925937	0.947901	1137.839	1007.785	1194.571	1149.545	1078.112	1135.627
26052	SPEN	2584.37	0.010932	0.141271	0.077384	0.938318	0.957515	2269.174	3167.872	2288.956	2426.322	2586.185	2767.713
25972	RNF215	1062.913	0.010877	0.117356	0.092687	0.926152	0.948012	1119.408	997.3843	1064.469	1008.921	1039.608	1147.687
25915	UFD1	2259.707	0.010821	0.105459	0.102606	0.918276	0.942016	2260.5	2448.026	2045.45	2265.609	2233.232	2305.423
26380	LOC119615	86.51872	0.01009	0.327435	0.030814	0.975418	0.982961	102.9964	58.02565	96.70666	100.4457	85.56443	75.37346
26446	LOC103235	40.18134	0.009962	0.475406	0.020955	0.983282	0.98845	29.81475	63.49977	26.43779	44.64254	38.50399	38.18922
26261	STKLD1	162.5226	0.009866	0.212279	0.046475	0.962932	0.974812	175.0939	148.3486	162.1054	162.9453	166.8506	159.7917
26009	TTC8	1426.969	0.009812	0.115008	0.085319	0.932008	0.952656	1343.832	1585.852	1336.5	1401.776	1456.734	1437.121
26108	ZFP2	492.3795	0.009756	0.140577	0.0694	0.944671	0.961931	527.9921	481.7224	461.2699	484.3716	515.5257	483.3951
26080	LOC103226	1193.541	0.009715	0.130832	0.074258	0.940805	0.959023	1087.425	1380.573	1099.951	1245.527	1150.842	1196.931
25838	MCM6	6601.864	0.009693	0.085073	0.113935	0.909289	0.935591	6675.794	6618.756	6450.126	6511.114	6378.828	6976.567
26010	CBLB	3966.212	0.00961	0.112871	0.085145	0.932146	0.952703						



26128	GRAMD1C	524.0134	0.009177	0.137993	0.066507	0.946974	0.963506	538.2918	531.5369	499.5351	479.9073	539.0559	555.7536
26515	LOC103218	8.031391	0.009173	0.992656	0.009241	0.992627	0.995247	13.01007	3.284471	7.653045	2.232127	14.97377	7.034856
26033	VPS13B	5863.621	0.00916	0.11368	0.080577	0.935779	0.955584	5347.682	6772.579	5416.964	5747.727	5756.347	6140.425
26168	PMVK	607.1407	0.00916	0.151685	0.060388	0.951847	0.96698	688.4497	540.2955	587.893	654.0132	539.0559	633.1371
26160	SLC25A1	3460.065	0.008939	0.143677	0.062217	0.95039	0.965852	4042.338	2773.188	3537.098	3408.458	3123.102	3876.206
25883	RTN4	15451.12	0.008858	0.083457	0.106144	0.915468	0.940191	15869.04	15411.28	14936.66	15044.54	15104.26	16340.97
26541	HCRTR2	2.459098	0.008843	1.541612	0.005736	0.995423	0.997036	1.626259	2.737059	2.782925	4.464254	2.139111	1.004979
26171	PER3	1170.592	0.008677	0.143908	0.060294	0.951921	0.96698	1022.375	1410.68	1069.339	1142.849	1157.259	1221.05
25993	SLC5A3	2353.807	0.008648	0.0988	0.087526	0.930253	0.95144	2354.281	2419.013	2272.259	2328.108	2224.675	2524.508
26183	FASN	23916.78	0.008538	0.145838	0.058541	0.953317	0.967954	26078.15	18439.02	27026.38	23649.39	21179.33	27128.42
25979	MAT2A	9099.186	0.008529	0.09372	0.091002	0.927491	0.949052	8675.008	9495.405	9054.248	8805.741	8667.676	9897.038
26350	LOC119625	123.1268	0.008509	0.247346	0.034399	0.972559	0.98122	108.4173	141.7797	117.5786	129.4634	121.9293	119.5926
26088	COQ10B	2577.664	0.008435	0.115604	0.072962	0.941837	0.959779	2687.122	2219.755	2802.406	2558.018	2695.279	2503.404
26134	SLC25A11	2557.435	0.008424	0.127726	0.065954	0.947415	0.963764	2727.779	2249.315	2679.957	2497.75	2265.318	2924.49
26493	LOC103216	16.16115	0.008422	0.639742	0.013165	0.989496	0.992932	17.88885	13.6853	16.00182	20.08914	19.252	10.04979
26021	PHTF1	2411.88	0.008413	0.101459	0.082924	0.933912	0.954155	2400.901	2591.448	2223.557	2381.679	2389.387	2484.309
26514	CLDND2	8.865625	0.008365	0.900283	0.009291	0.992587	0.995245	6.505036	4.379295	16.00182	6.696381	8.556443	11.05477
26068	CERS5	1845.222	0.008312	0.110215	0.075419	0.939881	0.958521	1993.252	1782.373	1749.069	1774.541	1771.184	2000.914
26232	LOC103215	550.8504	0.008154	0.158663	0.05139	0.959015	0.971812	540.4601	641.0192	467.5315	522.3177	551.8906	581.8831
26203	FZD4	495.5101	0.008086	0.144227	0.056063	0.955292	0.969219	497.6353	509.6404	476.576	531.2462	436.3786	521.5843
26463	LOC119623	35.80981	0.008085	0.479994	0.016844	0.986561	0.991144	34.15144	33.93953	37.56949	33.4819	55.61688	20.09959
26243	TMEM107	407.3907	0.008084	0.161753	0.049977	0.960141	0.972653	441.2583	366.2185	408.3943	404.015	455.6306	368.8275
26116	VPS53	1447.335	0.007897	0.114822	0.068777	0.945167	0.962177	1401.835	1567.24	1365.721	1379.454	1398.978	1570.783
26174	PSEN1	3628.704	0.007862	0.130824	0.060095	0.95208	0.967054	3263.902	4358.493	3236.542	3358.01	3476.055	3879.221
26186	ZNF614	778.0965	0.007861	0.134771	0.058328	0.953487	0.968015	741.0321	866.5529	717.9948	752.2268	847.0878	743.6848
26026	BLOC155	2140.597	0.007826	0.095846	0.081657	0.93492	0.955001	2099.501	2232.345	2073.975	2062.485	2190.449	2184.825
26297	LOC119626	335.6145	0.007779	0.188277	0.041316	0.967044	0.977656	349.1036	312.5721	337.4297	397.3186	352.9533	264.3096
26069	JPT2	4807.247	0.00773	0.102559	0.075375	0.939917	0.958521	5143.858	4513.958	4732.365	4622.735	4558.445	5272.122
26244	CYP2R1	544.1557	0.007688	0.154301	0.049823	0.960264	0.972741	601.7159	472.4164	556.5851	486.6037	564.7252	582.8881
26304	SGSM3	1219.308	0.007339	0.179886	0.040801	0.967455	0.97779	1434.903	866.5529	1350.415	1203.116	1093.086	1367.777
26025	ATP6V1D	4993.773	0.007205	0.087621	0.082232	0.934462	0.95457	5071.218	4699.53	5172.763	4959.786	5101.779	4957.564
26188	ADAP2	852.8432	0.007161	0.122954	0.058245	0.953554	0.968025	847.281	921.2941	784.785	848.2083	832.114	883.377
26347	PNF54	198.702	0.007135	0.203795	0.035011	0.972071	0.980852	199.4878	196.5208	201.7621	169.6417	194.6591	230.1403
26166	PPA2	2768.954	0.006953	0.115321	0.060295	0.95192	0.96698	2990.691	2366.461	2930.421	2718.731	2823.626	2783.793
26498	LOC119627	18.81637	0.006921	0.595832	0.011615	0.990733	0.993986	16.26259	20.80165	19.48048	24.5534	10.69555	21.10457
26508	TRNAS-UG	14.7675	0.006872	0.675331	0.010176	0.991881	0.994762	15.17842	10.94824	18.08902	8.928508	21.39111	14.06971
26124	HMGNA4	2837.389	0.006845	0.101727	0.067286	0.946354	0.963054	2959.792	2697.098	2842.063	2689.713	2742.34	3093.327
26499	LOC119628	23.11742	0.006751	0.589547	0.011451	0.990863	0.994079	25.47806	18.06459	25.04633	13.39276	40.6431	16.07967
26216	CNOT11	1836.976	0.006665	0.124889	0.053364	0.957442	0.970881	1787.801	2110.82	1598.791	1906.236	1769.045	1849.162
26523	LOC119629	12.41906	0.006033	0.761759	0.00792	0.993681	0.995972	13.01007	7.116354	16.69755	20.08914	8.556443	9.044815
26271	NAA16	838.3793	0.005912	0.131685	0.044894	0.964192	0.975716	832.6447	933.8846	743.7368	810.2621	853.5052	856.2425
26328	FAM98B	679.2983	0.00591	0.157998	0.037407	0.970161	0.979631	609.3051	814.0014	612.2436	618.2992	697.3501	724.5902
26293	TMEM201	855.9417	0.005895	0.1408	0.041868	0.966604	0.977347	918.8364	740.6482	907.9294	805.7978	810.7229	951.7156
26213	MAML1	3535.01	0.005885	0.109344	0.053819	0.957079	0.970673	3413.518	3764.551	3413.258	3383.905	3262.144	3972.684
26320	EIF3J	1782.468	0.005839	0.152805	0.038821	0.96952	0.979265	1479.354	2247.125	1610.618	1754.452	1771.184	1832.078
26395	NDUFB7	2418.921	0.005717	0.197898	0.02889	0.976952	0.983984	2735.368	1501.551	3006.255	2564.714	2252.484	2453.155
26187	ARPC5	6779.713	0.00568	0.097547	0.058225	0.95357	0.968025	6836.793	6270.055	7187.601	6801.291	7228.055	6354.485
26413	LOC119627	152.415	0.005607	0.220121	0.025473	0.979678	0.986057	155.5788	155.465	145.4079	169.6417	132.6249	155.7718
26330	SMUG1	1019.095	0.005496	0.148769	0.036946	0.970528	0.979926	1166.028	828.7815	1059.599	948.654	1016.078	1095.428
26267	PRUNE1	953.022	0.005494	0.121372	0.045264	0.963897	0.975566	947.567	1017.639	891.9276	937.4933	898.4265	1025.079
26457	SSC5D	102.5957	0.005435	0.294536	0.018453	0.985277	0.990044	94.86511	121.5254	88.35788	109.3742	124.0684	77.38342
26345	IFIT5	371.1524	0.005337	0.151657	0.035188	0.97193	0.980784	370.245	367.3133	375.6949	379.4616	342.2577	391.942
26306	LOC103224	4310.172	0.005206	0.128535	0.040502	0.967693	0.977922	4723.741	3455.263	4728.886	4361.576	4261.108	4330.457
26269	SPCS1	2845.174	0.005199	0.115728	0.044921	0.96417	0.975716	3038.394	2425.034	3058.435	2812.48	2834.322	2902.381
26341	GMPPB	1433.754	0.005174	0.145025	0.035674	0.971543	0.980542	1612.707	1164.345	1520.869	1390.615	1324.11	1589.878
26373	TSR3	541.636	0.005066	0.161407	0.031386	0.974962	0.982799	620.1468	462.0156	541.9747	562.496	481.2999	581.8831
26404	FIP1L1	1387.041	0.004958	0.181028	0.027386	0.978152	0.984891	1112.903	1871.054	1168.133	1459.811	1396.839	1313.508
26246	USO1	7964.351	0.004953	0.100205	0.049434	0.960574	0.972981	7598.967	8867.524	7387.276	7961.997	7743.581	8226.762
26387	TSPAN33	387.3441	0.004906	0.16333	0.030036	0.976038	0.983362	416.3223	344.8694	402.1327	357.1403	376.4835	427.1163
26195	PFN2	17167.4	0.004883	0.084914	0.057507	0.954141	0.968383	16541.77	17684.14	17183.17	17312.38	18028.42	16254.54
26280	DYM	1949.692	0.004817	0.109515	0.043985	0.964916	0.976125	1907.06	2129.432	1804.727	1832.576	2004.347	2020.009
26202	PPIA	37378.78	0.00478	0.085077	0.056181	0.955198	0.969192	35722.95	39199.61	37021.95	38691.69	38161.73	35474.77
26486	LOC119626	53.27786	0.004755	0.358275	0.013271	0.989412	0.992922	61.25576	54.74118	43.13534	55.80317	53.47777	51.25395
26281	ZNF263	1480.652	0.004598	0.104699	0.043918	0.96497	0.976132	1505.374	1497.719	1434.598	1374.99	1531.603	1539.629
26558	LOC119615	5.994604	0.004476	1.032347	0.004336	0.99654	0.997548	4.878777	4.379295	8.348776	8.928508	6.417332	3.014938
26299	IDH3A	3127.133	0.004358	0.10623	0.041028	0.967274	0.977787	2934.856	3472.781	2956.163	3129.442	3270.7	2998.859
26292	NCBP2	7145.711	0.004337	0.103617	0.041858	0.966612	0.977347	6690.972	7965.937	6743.028	7294.591	7448.383	6731.352
26483	LOC103215	80.3026	0.004322	0.309316	0.013974	0.98885	0.992659	70.47123	98.53413	71.66033	89.28508	68.45154	83.4133
26540	GNAT2	12.78721	0.00414	0.70887	0.005841	0.99534	0.997027	13.55216	14.23271	11.1317	11.16063	8.556443	18.08963
26353													



26412	MIER2	967.6258	0.003555	0.138419	0.025684	0.979509	0.985925	1044.6	838.0875	1019.246	1020.082	855.6443	1028.094
26352	VAPB	4694.469	0.003553	0.103578	0.034305	0.972634	0.981234	4549.731	5244.205	4271.791	4709.788	4656.844	4734.458
26364	RRM2B	4911.39	0.003508	0.107744	0.032558	0.974027	0.982192	5260.406	4255.032	5199.896	5008.893	4924.233	4819.882
26409	ZNF382	884.3006	0.003311	0.126486	0.026178	0.979115	0.985641	848.3652	980.4146	823.0502	848.2083	879.1745	926.5911
26511	LOC103232	59.58062	0.003292	0.339737	0.009689	0.992269	0.995039	53.66655	67.33165	57.04997	53.57105	70.59065	55.27387
26405	EFCAB14	4555.529	0.003181	0.11763	0.027046	0.978423	0.985093	4221.769	5203.697	4230.742	4499.968	4203.352	4973.643
26444	TRIM33	2885.766	0.003169	0.147796	0.02144	0.982894	0.988135	2504.981	3643.026	2501.154	2814.712	2808.652	3042.073
26528	LAMC2	42.23302	0.003078	0.412151	0.007469	0.99404	0.996176	43.36691	44.88777	36.87376	44.64254	53.47777	30.14938
26418	RUNDC1	786.4064	0.003034	0.121354	0.024998	0.980057	0.986258	789.2778	796.4842	773.6533	808.03	720.8803	830.113
26437	ZNF107	1539.167	0.002999	0.131897	0.022737	0.98186	0.987357	1536.273	1776.899	1297.539	1540.168	1578.664	1505.459
26543	LOC103216	32.27013	0.002904	0.512557	0.005665	0.99548	0.997055	17.34676	34.48694	44.52681	40.17829	29.94755	27.13445
26439	CDK5RAP1	1686.212	0.002841	0.126476	0.02246	0.982081	0.987504	1860.44	1476.917	1720.544	1703.113	1525.186	1831.073
26436	NDUFA1	3170.621	0.002618	0.114244	0.022914	0.981719	0.987258	3263.902	2801.654	3433.434	3196.406	3411.882	2916.45
26560	LOC103238	14.13414	0.002598	0.65838	0.003947	0.996851	0.997677	16.26259	11.49565	14.61036	13.39276	14.97377	14.06971
26431	SURF4	12979.43	0.002277	0.09695	0.023485	0.981263	0.987011	13386.28	12788.09	12742.32	12535.63	12023.94	14400.35
26496	LOC103224	282.3038	0.002255	0.186154	0.012112	0.990337	0.993663	303.5684	260.0206	283.1627	234.3733	327.2839	285.4142
26491	ZNF490	313.96	0.0022	0.165602	0.013284	0.989401	0.992922	333.3831	303.8136	304.0346	285.7123	342.2577	314.5586
26530	LOC103214	90.84469	0.001981	0.270186	0.007332	0.99415	0.996198	88.36008	95.24966	89.05362	84.82083	94.12087	93.46309
26489	PDCD4	1940.845	0.00198	0.147462	0.013428	0.989286	0.992922	1717.872	2422.297	1679.496	1861.594	1933.756	2030.059
26482	SEC22A	773.9905	0.00198	0.141497	0.01399	0.988838	0.992659	836.4393	651.9675	832.7905	790.173	748.6887	783.884
26572	LOC119627	9.514938	0.001979	0.840593	0.002354	0.998122	0.99861	10.84173	4.926706	12.52316	8.928508	12.83466	7.034856
26470	MOB3C	735.3619	0.00197	0.129697	0.015191	0.98788	0.992172	785.4831	663.4631	756.9557	747.7625	703.7674	754.7396
26565	LOC103233	22.03051	0.00191	0.541824	0.003525	0.997187	0.997901	20.0572	21.89647	24.3506	26.78552	14.97377	24.11951
26485	TRMT2B	524.3747	0.001901	0.13395	0.013628	0.989127	0.992862	560.5173	498.1448	516.2327	511.1571	498.4128	561.7835
26533	LOC119627	90.48696	0.001817	0.269435	0.006744	0.994619	0.996518	87.27591	91.96518	91.83654	89.28508	94.12087	88.43819
26467	WSCD1	964.725	0.001813	0.115593	0.015687	0.987484	0.991886	950.8195	963.9922	981.677	968.7431	892.0091	1031.109
26478	DMPK	701.6986	0.0018	0.124577	0.014448	0.988473	0.992467	690.618	729.1525	686.6869	705.3521	656.707	741.6748
26494	SNX25	943.7079	0.001614	0.129172	0.012492	0.990033	0.993434	961.1191	1039.535	830.0075	906.2436	945.4869	979.855
26564	LOC103214	37.96161	0.001608	0.433457	0.00371	0.99704	0.997828	33.60935	34.48694	45.22254	51.33892	29.94755	33.16432
26500	ZNF367	1163.501	0.001542	0.138568	0.011131	0.991119	0.99426	1023.459	1383.857	1081.167	1145.081	1178.65	1168.791
26516	UXS1	1018.504	0.00124	0.139221	0.008908	0.992893	0.995476	939.4357	1198.832	916.9739	959.8146	1041.747	1054.223
26517	MBTPS2	816.4011	0.001101	0.125937	0.008746	0.993022	0.995568	765.968	891.1864	792.438	767.8517	842.8096	838.1529
26509	DLG5	9338.537	0.001069	0.109596	0.009752	0.992219	0.995039	8527.561	10234.96	9249.053	9328.059	8438.792	10252.8
26529	LOC103234	4837.667	0.001022	0.138171	0.007397	0.994098	0.996196	5558.554	3817.103	5135.889	4738.806	4547.749	5227.903
26507	NDUFB11	2908.561	0.000941	0.090476	0.010397	0.991704	0.994698	2952.744	2789.063	2983.296	2930.783	2825.765	2969.714
26581	LOC119625	8.177972	0.000777	0.9107	0.000853	0.99932	0.999478	9.757555	10.40082	4.87012	6.696381	4.278221	13.06473
26544	CLUAP1	1297.414	0.00075	0.135058	0.005555	0.995568	0.997106	1205.058	1523.994	1162.567	1352.669	1208.598	1331.598
26567	LYSMD2	225.1262	0.000711	0.207471	0.003429	0.997264	0.99794	221.1712	196.5208	259.5078	187.4987	243.8586	242.2001
26580	DTX1	12.10235	0.000615	0.730131	0.000843	0.999328	0.999478	11.9259	12.59047	12.52316	8.928508	8.556443	18.08963
26556	BRPF1	1429.944	0.00053	0.122548	0.004325	0.996549	0.997548	1335.701	1586.947	1371.287	1392.847	1324.11	1568.773
26568	ASRGL1	4087.211	0.000308	0.09774	0.003155	0.997482	0.998121	4052.096	4349.187	3864.092	4026.757	3867.512	4363.621
26575	RNF7	2194.981	0.000303	0.160535	0.001888	0.998493	0.998894	2508.234	1594.063	2483.761	2095.967	2207.562	2280.298
26573	WVOX	480.2771	0.00028	0.142237	0.001966	0.998431	0.998882	475.9518	494.3129	470.3144	437.4969	526.2212	477.3652
26577	ZNF619	445.5972	0.00019	0.161992	0.00117	0.999066	0.99933	442.3425	502.524	388.9138	444.1933	485.5781	410.0316
26584	LOC119624	86.74499	0.000108	0.314045	0.000344	0.999725	0.999772	92.69677	76.09024	91.83654	58.0353	113.3729	88.43819
26585	SEPTIN10	6698.169	-2.97E-05	0.096317	-0.00031	0.999754	0.999772	6337.532	7261.418	6490.478	6796.827	6988.475	6314.286
26582	SRRM2	7839.947	-6.30E-05	0.134379	-0.00047	0.999626	0.999739	6644.353	9625.142	7253	7540.125	7705.077	8271.986
26576	G6PD	61834.31	-0.00012	0.092873	-0.00134	0.998927	0.999266	63285.33	60756.14	61478.3	60905.82	56793.39	67786.87
26578	DCAF15	942.2619	-0.00016	0.132599	-0.00119	0.999048	0.99933	998.5231	818.9281	1012.985	921.8684	896.2874	1004.979
26570	UBAP2	2797.789	-0.00043	0.156401	-0.00273	0.997821	0.998385	2304.951	3608.539	2481.674	2861.587	2639.663	2900.321
26559	DCAF7	4866.401	-0.0005	0.115569	-0.00431	0.99656	0.997548	4586.593	5502.036	4518.775	4712.02	4511.384	5367.595
26553	ORAI3	1479.926	-0.0005	0.108388	-0.00462	0.996316	0.997516	1501.037	1497.719	1447.817	1428.561	1390.422	1613.997
26547	LOC119623	1418.863	-0.00056	0.103429	-0.00539	0.995703	0.997129	1368.768	1487.865	1403.29	1379.454	1407.535	1466.265
26552	LOC103226	7433.65	-0.00058	0.117958	-0.00493	0.996064	0.997302	8016.373	6693.752	7603.648	7145.038	6659.052	8484.037
26563	ZNF420	415.6356	-0.00064	0.158577	-0.00406	0.996763	0.997677	400.0597	455.4466	394.4797	419.6399	367.927	456.2607
26583	LOC119618	1.374629	-0.00065	2.287939	-0.00029	0.999772	0.999772	1.084173	2.189647	0.695731	0	4.278221	0
26539	SRSF6	8690.782	-0.00067	0.108367	-0.00617	0.99508	0.996805	8052.151	9980.412	8046.829	8732.081	8428.096	8905.123
26571	LOC103233	281.935	-0.00068	0.279562	-0.00242	0.998072	0.998598	200.572	424.7916	218.4597	294.6408	323.0057	230.1403
26555	SLC49A4	1180.658	-0.00068	0.158209	-0.0043	0.996572	0.997548	1032.675	1488.96	1021.334	1216.509	1114.477	1209.995
26557	MITD1	901.2211	-0.00071	0.163079	-0.00434	0.996534	0.997548	760.5472	1105.772	834.1819	939.7255	971.1562	795.9437
26546	SCRN2	1051.666	-0.0008	0.148028	-0.00542	0.995674	0.997129	1172.533	868.1951	1119.432	1029.011	954.0434	1166.781
26527	HDAC6	2549.218	-0.00083	0.107142	-0.00772	0.993843	0.996016	2546.722	2555.318	2555.421	2517.839	2290.988	2829.017
26532	LOC103248	3021.626	-0.0009	0.126669	-0.00714	0.994306	0.996292	2683.328	3603.065	2782.23	3015.604	2939.138	3106.392
26551	ACTA1	162.8888	-0.00106	0.207503	-0.00513	0.995909	0.997217	168.5889	157.6546	162.8011	165.1774	158.2942	164.8166
26579	LOC119626	4.255393	-0.00118	1.257406	-0.00094	0.999251	0.999476	3.252518	1.642235	7.653045	6.696381	4.278221	2.009959
26512	RXRA	2755.121	-0.00126	0.131463	-0.00962	0.992323	0.995056	3016.169	2286.539	2970.077	2819.176	2477.09	2961.674
26504	ZNF449	1393.951	-0.00134	0.124344	-0.01076	0.991415	0.994445	1274.445	1591.326	1318.411	1316.955	1454.595	1407.976
26519	PBDC1	836.9597	-0.00142	0.168618	-0.00842	0.993286	0.995766	700.9177	1065.263	745.824	799.1015	868.4789	842.1728
26465	LOC103230	9347.999	-0.00143	0.089256	-0.01602	0.987218	0.991694	9173.186	10007.78	8880.315	9089.221	9232.402	9705.087
26574	LOC119615	11.20608	-0.00146	0.									



26469	FARS2	1406.667	-0.00186	0.121055	-0.01537	0.987738	0.992067	1571.508	1245.362	1407.465	1370.526	1398.978	1446.165
26464	PLEKHA8	1530.165	-0.00187	0.111198	-0.01674	0.986643	0.991154	1499.953	1662.49	1434.598	1446.418	1514.49	1623.042
26549	LOC119624	49.18841	-0.00188	0.36059	-0.00522	0.995834	0.997185	53.66655	47.07742	46.614	51.33892	49.19955	47.23404
26475	UMAD1	751.033	-0.00189	0.126518	-0.01495	0.988072	0.992212	703.6281	793.1997	754.1728	781.2444	776.4972	697.4558
26537	LOC10324	71.90803	-0.00202	0.311412	-0.0065	0.994815	0.996614	66.13454	83.2066	66.09448	80.35657	66.31243	69.34358
26562	LOC10324	25.16876	-0.00208	0.517093	-0.00402	0.99679	0.997677	22.22554	31.74989	22.2634	20.08914	23.53022	31.15436
26461	FBXL2	755.5788	-0.00209	0.122268	-0.0171	0.986356	0.990978	777.3519	722.5836	770.8704	767.8517	705.9065	788.9089
26455	AMPD2	2719.656	-0.00214	0.109759	-0.01947	0.984469	0.989307	2800.96	2579.404	2792.666	2633.91	2474.951	3036.043
26462	FKBP2	2316.382	-0.00219	0.130405	-0.0168	0.986596	0.991144	2019.814	2766.619	2168.595	2330.341	2248.205	2364.717
26490	SUGP1	1066.312	-0.0022	0.163985	-0.01341	0.989301	0.992922	900.9475	1362.508	938.5416	1062.492	1028.912	1104.472
26429	IP6K2	2205.23	-0.00225	0.095597	-0.02356	0.981203	0.986995	2211.712	2261.906	2150.506	2220.966	2089.911	2296.378
26459	MMAB	664.8354	-0.00229	0.128844	-0.01774	0.985847	0.990541	702.0018	650.3252	642.8558	624.9956	716.6021	652.2317
26434	ADIPOR2	3492.963	-0.00237	0.103038	-0.02299	0.981655	0.987258	3550.666	3637.004	3306.811	3223.191	3416.16	3823.947
26566	CABP5	14.80218	-0.00239	0.677077	-0.00354	0.997178	0.997901	15.7205	15.32753	12.52316	20.08914	17.11289	8.039836
26536	TRNAT-AG	47.10501	-0.00243	0.36953	-0.00657	0.994759	0.996596	43.909	52.55153	45.22254	44.64254	47.06043	49.24399
26443	KLHL22	1261.437	-0.00259	0.120408	-0.02151	0.982838	0.988116	1373.105	1152.849	1266.231	1223.206	1191.485	1361.747
26472	LOC119624	333.0685	-0.00261	0.175125	-0.01491	0.988107	0.992212	328.5043	366.7659	307.5133	339.2833	284.5017	371.8424
26417	TPPAL	1744.607	-0.00277	0.110747	-0.02499	0.980062	0.986258	1901.097	1620.886	1720.544	1725.434	1653.533	1846.197
26484	LOC119624	194.754	-0.00281	0.203424	-0.01381	0.988982	0.992753	182.141	221.7018	180.1944	200.8914	194.6591	188.9361
26521	LOC119615	56.49754	-0.00286	0.347538	-0.00824	0.993428	0.995814	53.66655	56.93083	58.44144	49.10679	70.59065	50.24897
26396	BTFL4	2586.939	-0.00292	0.102641	-0.02841	0.977334	0.984257	2511.486	2564.077	2686.219	2720.963	2695.279	2343.612
26535	ALKBH7	539.4068	-0.00299	0.444717	-0.00671	0.994644	0.996518	684.6551	252.3568	683.2082	540.1747	511.2474	564.7985
26545	LOC10323	25.53114	-0.003	0.548099	-0.00547	0.995636	0.997129	22.76763	31.20247	21.56767	40.17829	21.39111	16.07967
26569	DDX25	5.965374	-0.00311	1.053459	-0.00295	0.997643	0.998244	3.794605	5.474118	8.348776	4.464254	10.69555	3.014938
26525	SPTB	62.74894	-0.00315	0.401743	-0.00785	0.993739	0.995987	60.71367	59.12048	66.09448	78.12444	81.28621	31.15436
26408	PCCB	4736.529	-0.00318	0.121093	-0.02625	0.97906	0.985622	5300.521	3979.684	4948.737	4656.217	4507.106	5026.907
26362	MOV10	6087.444	-0.00327	0.099633	-0.03287	0.97378	0.982017	6310.97	5814.608	6166.267	5772.28	5739.234	6721.303
26438	ESS2	739.192	-0.00332	0.147504	-0.02253	0.982029	0.987489	796.3249	649.2304	779.2191	640.6204	748.6887	821.0682
26518	LOC119618	53.20713	-0.00339	0.40358	-0.00841	0.993294	0.995766	57.46116	45.43518	56.35424	33.4819	81.28621	45.22408
26336	CORO1C	11842.56	-0.0034	0.09441	-0.03599	0.971288	0.980434	11277.56	12857.06	11439.91	11640.54	11305.2	12535.11
26349	YWHAB	13312.24	-0.00352	0.10136	-0.03473	0.972297	0.981005	12467.99	14967.33	12553.08	13078.03	12920.23	13886.81
26487	TMEM60	112.9971	-0.00355	0.266823	-0.01329	0.989393	0.992922	111.1277	99.08154	130.1018	127.2312	89.84265	120.5975
26522	LOC103216	46.43032	-0.00361	0.439567	-0.0082	0.993454	0.995814	37.94605	39.41365	60.52863	55.80317	57.75599	27.13445
26391	ABHD17B	918.8907	-0.00373	0.127643	-0.02925	0.976668	0.983847	937.8094	870.9322	956.6306	924.1006	812.8621	1011.009
26415	MPG	870.112	-0.00384	0.151722	-0.02533	0.979792	0.986098	954.072	700.6871	957.3264	926.3327	864.2007	818.0533
26411	TMEM147	2034.919	-0.00403	0.155155	-0.02595	0.979301	0.985753	2359.16	1584.757	2174.161	1948.647	1835.357	2307.433
26285	BIRC2	4009.348	-0.00412	0.096103	-0.04282	0.965844	0.976831	3795.147	4378.747	3870.354	4022.293	4010.833	3978.714
26550	TRNAG-CC	11.21484	-0.00412	0.809474	-0.00509	0.995942	0.997217	15.7205	10.40082	6.957314	8.928508	19.252	6.029877
26274	AGPAT5	3470.545	-0.00412	0.092476	-0.04458	0.964442	0.975858	3618.427	3262.574	3548.23	3462.029	3373.378	3558.632
26313	FBRS	1487.121	-0.00422	0.107928	-0.03906	0.968846	0.978861	1393.704	1581.473	1493.735	1537.935	1405.396	1510.484
26333	ANKFY1	3703.028	-0.00423	0.115508	-0.03662	0.970787	0.980077	4004.934	3555.44	3573.276	3495.511	3369.099	4219.909
26315	NFE2L2	7455.649	-0.00445	0.115443	-0.03856	0.969244	0.979178	6876.366	8735.598	6791.034	7377.18	7234.472	7719.247
26270	PEX1	3388.215	-0.00463	0.10278	-0.04502	0.964092	0.975716	3353.346	3698.862	3132.183	3238.816	3343.43	3562.652
26416	LRSAM1	698.1914	-0.00483	0.191376	-0.02524	0.979861	0.986129	850.5335	532.0843	720.082	620.5313	626.7594	839.1579
26200	AZ12	3322.406	-0.00501	0.088984	-0.05628	0.955121	0.969192	3316.484	3368.772	3304.028	3176.317	3300.648	3468.184
26354	MSANTD4	1091.852	-0.00515	0.153245	-0.03358	0.973211	0.981742	941.604	1352.107	985.8514	1091.51	1135.868	1044.174
26524	LOC103218	14.53499	-0.00515	0.650684	-0.00791	0.993687	0.995972	12.46799	13.6853	17.39328	15.62489	14.97377	13.06473
26210	NAPG	1775.37	-0.00522	0.095942	-0.05443	0.956595	0.970282	1760.697	1820.692	1753.243	1830.344	1730.541	1756.704
26289	SEC11A	3372.709	-0.00553	0.130179	-0.04249	0.966107	0.977013	3009.121	4083.145	3043.129	3435.243	3405.464	3260.153
26220	CUNH18or	1940.287	-0.00571	0.107953	-0.05287	0.957838	0.971171	1927.659	1931.816	1965.441	2035.7	2053.546	1727.56
26229	HEATR5B	2355.583	-0.00575	0.111507	-0.05161	0.95884	0.971812	2349.944	2552.581	2183.901	2272.305	2199.006	2575.762
26454	LOC119628	80.83736	-0.00592	0.30007	-0.01974	0.984253	0.989127	77.51835	70.61612	93.92374	87.05295	85.56443	70.34856
26365	CAPN10	761.6421	-0.00593	0.185512	-0.03199	0.974479	0.982573	916.126	548.5066	827.2246	756.691	695.211	826.0931
26339	HSDL1	498.1724	-0.006	0.167403	-0.03583	0.971416	0.980494	565.9382	422.0545	513.4498	448.6575	479.1608	559.7736
26424	LOC119623	149.8971	-0.00609	0.250569	-0.02432	0.980597	0.986572	176.1781	114.9565	158.6268	145.0883	166.8501	137.6822
26317	LAP6D1	507.0701	-0.00617	0.160431	-0.03849	0.969299	0.979178	569.7328	460.9207	496.0565	540.1747	427.8221	547.7138
26043	YWHAZ	34025.97	-0.00621	0.077769	-0.07989	0.936327	0.955778	33603.93	35528.12	33164.82	33743.06	34279.25	33836.65
26249	ZNF223	777.4485	-0.00621	0.127338	-0.04879	0.961084	0.973387	823.4292	781.7041	729.8222	738.834	849.2269	741.6748
26255	BRD4	1976.26	-0.00623	0.131137	-0.04748	0.962129	0.974238	1779.67	2365.366	1797.074	1977.665	1918.782	2019.004
26173	RRP9	1860.502	-0.00629	0.104734	-0.06007	0.952103	0.967054	1926.033	1752.813	1920.219	1805.791	1773.323	1984.834
26282	PTRH1	801.0353	-0.00632	0.145082	-0.04354	0.96527	0.976399	860.8332	664.0105	882.8831	825.887	795.7492	776.8491
26147	UBR7	2356.057	-0.00641	0.100006	-0.06412	0.948872	0.964767	2301.699	2504.956	2281.303	2339.269	2226.814	2482.299
26239	LOC103215	1386.429	-0.00643	0.127091	-0.05063	0.959623	0.972277	1344.374	1598.442	1223.791	1417.401	1381.865	1352.702
26129	PTPN4	2020.307	-0.0065	0.09772	-0.0665	0.946979	0.963506	1997.588	2135.453	1939.003	2071.414	2008.625	1969.76
26402	LOC119623	127.8914	-0.00663	0.239141	-0.02772	0.977887	0.984665	133.3532	119.3358	133.5804	124.9991	113.3729	142.7071
26121	DES1	3682.596	-0.0068	0.099954	-0.06799	0.945797	0.962598	3736.601	3705.431	3637.284	3770.062	3300.648	3945.549
26154	NETO1	3989.385	-0.00688	0.109424	-0.06283	0.949899	0.965552	3830.924	4517.242	3651.198	3839.258	3920.99	4716.695
26178	AHDC1	1305.82	-0.00698	0.117548	-0.05934	0.952679	0.967455	1276.613	1226.75	1424.858	1388.383	1195.763	1322.553
26513	LOC103216	11.65466	-0.00699	0.730447	-0.00957	0.992368	0.995063	11.9259	13.6853	9.044508	13.39276	12.83466	9.044815
26495	LOC119615	22.26487	-0.00699	0.563636	-0.01241	0.990101	0.993465	16.80468	27.37059	22.95914	13.39276</		



26205	RO60	3504.633	-0.00739	0.133534	-0.05538	0.955838	0.969699	3072.003	4272.549	3198.277	3399.529	3401.186	3684.255
26542	LOC119621	3.582601	-0.00744	1.292848	-0.00576	0.995406	0.997036	4.878777	2.737059	3.478657	2.232127	2.139111	6.029877
26426	LOC103241	67.35969	-0.00749	0.312436	-0.02399	0.980863	0.986765	72.09749	61.31012	68.87741	66.96381	70.59065	64.31869
26479	LOC103221	22.95106	-0.00758	0.527677	-0.01437	0.988535	0.992492	22.22554	24.08612	22.2634	20.08914	29.94755	19.09461
26019	NOP10	3800.55	-0.00762	0.091405	-0.08334	0.93358	0.953888	3638.484	3917.826	3871.745	3763.366	3980.885	3630.991
26276	CUNH11or	405.4031	-0.00762	0.173185	-0.04399	0.964915	0.976125	460.7734	339.3953	416.7431	421.872	427.8221	365.8125
26383	LOC103241	196.7598	-0.00767	0.251207	-0.03053	0.975643	0.983125	230.3867	133.0211	228.1999	205.3557	194.6591	188.9361
26361	BNIP1	125.7345	-0.00769	0.233804	-0.03287	0.973777	0.982017	128.4745	122.0728	128.0146	131.6955	115.512	128.6374
26110	ABCB10	2596.919	-0.00784	0.113263	-0.06923	0.944804	0.961992	2825.896	2525.211	2467.759	2392.84	2483.507	2886.301
26448	CARMIL3	55.57304	-0.00785	0.388596	-0.0202	0.983885	0.988965	47.7036	64.59459	52.87558	62.49956	70.59065	35.17428
26273	LOC119621	451.9651	-0.00785	0.175821	-0.04466	0.964382	0.97584	544.7968	433.5502	378.4779	482.1394	457.7697	415.0565
26064	USP5	6073.554	-0.00788	0.103964	-0.0758	0.939579	0.95836	6321.269	6020.983	5937.372	5754.423	5589.496	6817.781
26287	NTH1	671.8561	-0.00813	0.190774	-0.04264	0.965987	0.976938	767.5943	498.1448	758.3472	707.5843	549.7514	749.7147
26113	TRUB2	1457.614	-0.00819	0.118665	-0.069	0.944988	0.962069	1514.047	1309.956	1566.091	1417.401	1375.448	1562.743
26258	NDUFB1	1354.112	-0.0083	0.177991	-0.04662	0.962815	0.974768	1534.647	939.9061	1599.486	1406.24	1319.831	1324.563
26410	LOC119618	63.94119	-0.00831	0.319973	-0.02596	0.979285	0.985753	69.38706	60.2153	63.31155	62.49956	59.8951	68.3386
26476	LOC119618	24.11086	-0.00833	0.563215	-0.01479	0.988202	0.99227	34.69353	23.53871	13.91463	29.01765	21.39111	22.10955
26398	SLC26A1	106.1169	-0.00839	0.294622	-0.02846	0.977295	0.984257	129.5586	84.84883	107.1426	91.51721	91.98176	131.6523
26449	CBY3	39.24234	-0.00839	0.415825	-0.02017	0.983906	0.988965	44.99317	40.50847	32.00364	35.71403	47.06043	35.17428
26084	LOC103214	4202.554	-0.00842	0.114023	-0.0738	0.941166	0.959243	3987.587	4802.991	3850.873	4046.846	4507.106	4019.918
25928	TBL2	3715.12	-0.00842	0.08405	-0.10023	0.920159	0.943442	3739.312	3676.418	3763.907	3700.867	3653.601	3756.613
26062	SUGT1	1057.765	-0.00858	0.112861	-0.07599	0.939427	0.958279	1064.658	1089.35	1032.465	1053.564	983.9909	1122.562
26102	FITM2	881.2887	-0.00877	0.124892	-0.07025	0.943997	0.961465	852.1598	952.4966	851.5752	841.5119	834.2532	955.7358
26326	ZNF185	128.6042	-0.00879	0.233643	-0.03763	0.969983	0.979525	122.5115	137.4004	128.0146	127.2312	119.7902	136.6772
26070	LOC103235	2013.178	-0.00883	0.117357	-0.07522	0.94004	0.958537	1905.434	2298.035	1856.907	1946.415	1965.843	2106.437
26125	KIFC3	2473.597	-0.00883	0.132026	-0.06687	0.946685	0.963291	2653.513	2164.466	2633.343	2296.859	2233.232	2860.172
26359	LOC119618	105.6127	-0.00894	0.270241	-0.03309	0.973605	0.981952	107.3331	101.2712	107.8384	133.9276	89.84265	93.46309
26140	ZNF112	782.7817	-0.00916	0.140995	-0.06499	0.948181	0.964322	733.4429	914.7251	706.8631	796.8693	767.9407	776.8491
25905	GNAI3	6077.167	-0.00919	0.088471	-0.10389	0.91726	0.941288	6168.943	6104.737	6022.946	5910.672	5775.599	6480.108
25944	NQO1	81415.53	-0.00921	0.094996	-0.09694	0.922778	0.945577	87648.32	73210.86	84170.28	80204.79	79348.17	83910.76
26028	TSPAN17	4059.892	-0.0093	0.114583	-0.08119	0.935295	0.955285	4449.445	3678.607	4097.162	4011.132	3657.879	4465.124
26534	LOC103221	3.829087	-0.00934	1.373357	-0.0068	0.994576	0.996518	6.505036	3.284471	1.391463	2.232127	8.556443	1.004979
26107	ZNF484	952.1881	-0.00943	0.135776	-0.06947	0.944615	0.96191	951.3616	1028.587	886.3618	1060.26	810.7229	975.8351
25929	GF2I	18502.66	-0.00945	0.094262	-0.10023	0.920162	0.943442	18593.02	19501	17676.21	17676.21	20101.6	
26450	LOC103238	33.60481	-0.00948	0.473266	-0.02003	0.984022	0.988969	39.03022	27.37059	33.39511	37.94616	42.78221	21.10457
26146	MEF2D	808.6571	-0.00961	0.14959	-0.06427	0.948758	0.964688	683.5709	961.2551	789.6551	805.7978	793.6101	818.0533
25995	YIPF1	1111.513	-0.00972	0.111326	-0.08731	0.930423	0.95154	1066.826	1195	1083.254	1129.456	1093.086	1101.457
25898	TXNDC15	2196.803	-0.00976	0.093315	-0.10455	0.916734	0.94102	2126.063	2276.686	2211.034	2209.806	2141.25	2215.98
25851	AK3	5476.612	-0.00985	0.088687	-0.1111	0.911535	0.93738	5393.759	5795.449	5300.082	5321.391	5360.611	5687.179
26030	INPP5K	976.6825	-0.01016	0.125337	-0.08108	0.935381	0.955324	1077.126	912.5355	953.152	892.8508	1005.382	1019.049
26150	COL4A6	473.3992	-0.01017	0.15907	-0.06393	0.949026	0.964813	470.531	506.3559	453.6169	419.6399	438.5177	551.7337
25933	ACTN1	12188.34	-0.01018	0.10247	-0.09939	0.920831	0.943982	11516.62	12753.6	12432.72	11821.34	11082.73	13523
25860	CCNC	3313.157	-0.01046	0.095122	-0.11001	0.912402	0.937935	3470.979	3097.256	3404.909	3281.227	3424.716	3199.855
26399	LOC103221	65.42452	-0.01048	0.37461	-0.02797	0.977687	0.984531	53.66655	82.11177	59.8329	53.57105	94.12087	49.24399
25890	SDC3	2589.714	-0.01058	0.100304	-0.10547	0.916001	0.94059	2533.712	2761.145	2507.416	2560.25	2432.169	2743.594
26071	UNC50	1085.967	-0.01068	0.141825	-0.0753	0.939975	0.958537	1156.27	923.4837	1193.179	1138.385	949.7651	1154.721
26414	LOC103216	39.77294	-0.01069	0.421566	-0.02536	0.979771	0.986098	46.07734	29.56024	44.52681	33.4819	42.78221	42.20914
26072	NDUFA13	7812.342	-0.01074	0.142718	-0.07522	0.940037	0.958537	8933.041	5920.259	8671.596	7986.55	7531.809	7830.8
26013	TMEM104	803.4754	-0.01079	0.126977	-0.08495	0.9323	0.9528	737.7795	837.5401	847.4008	799.1015	750.8278	848.2027
25957	PI4KB	2013.848	-0.01082	0.114818	-0.0942	0.92495	0.947255	1846.888	2225.229	1995.358	2051.325	1841.774	2122.517
26501	LOC119621	6.771133	-0.01085	0.9707	-0.01118	0.991082	0.99426	9.215468	3.831883	7.653045	4.464254	6.417332	9.044815
25841	SPCS2	2267.438	-0.01094	0.096473	-0.11342	0.909694	0.935885	2172.14	2292.013	2368.27	2189.717	2226.814	2355.672
26390	RAD9B	65.43167	-0.01101	0.371674	-0.02961	0.976378	0.983593	71.01331	52.00412	73.74753	42.41041	94.12087	59.29379
25967	HINT3	864.1407	-0.01102	0.117859	-0.09347	0.925529	0.94752	875.4695	872.027	852.2709	830.3512	932.6523	822.0732
25952	SCMADHC	2271.456	-0.01105	0.115995	-0.09528	0.92409	0.946629	2359.16	1976.157	2506.024	2321.412	2164.728	2271.254
25976	MAF4	4644.444	-0.01116	0.122169	-0.09138	0.927188	0.948899	4320.97	5513.532	4153.516	4415.147	4667.539	4794.757
25951	PDHX	1882.831	-0.0112	0.117439	-0.09534	0.924042	0.946617	1841.467	2138.191	1691.323	1888.379	1816.105	1921.521
25983	GRIPAP1	1898.558	-0.01149	0.1265	-0.09084	0.927619	0.949111	1782.922	2219.755	1717.065	1930.79	1769.045	1971.77
26481	LOC103231	10.59181	-0.01164	0.823721	-0.01413	0.988728	0.992611	8.673382	16.42235	6.957314	4.464254	14.97377	12.05975
26257	SLC25A42	140.913	-0.01173	0.250309	-0.04687	0.962616	0.974641	169.1309	119.8832	137.0591	118.3027	143.3204	157.7818
26165	HSPBAP1	200.959	-0.01175	0.193389	-0.06074	0.95157	0.966844	216.8345	192.1415	196.1962	191.9629	209.6328	198.9859
26401	LOC103241	39.69671	-0.01185	0.423247	-0.028	0.977661	0.984531	39.5723	43.79295	34.78657	49.10679	42.78221	28.13943
26162	PROSER3	246.3878	-0.01189	0.193491	-0.06146	0.950992	0.966368	234.7234	287.3912	221.2426	227.677	245.9977	261.2947
26526	LOC103231	2.862813	-0.01203	1.543289	-0.00779	0.993781	0.995992	3.794605	3.284471	1.391463	6.696381	0	2.009959
26086	LOC103216	289.488	-0.01206	0.163969	-0.07352	0.941388	0.959396	295.9792	297.2446	278.2925	287.9444	293.0582	284.4092
26131	LRRC34	220.3855	-0.01244	0.187488	-0.06636	0.947089	0.963544	208.1612	238.6716	216.3725	232.1412	213.9111	213.0556
25973	KAZALD1	606.9438	-0.01248	0.135435	-0.09215	0.926583	0.948416	576.7799	604.8901	651.2046	578.1209	575.4208	655.2466
25965	RAB21	4110.106	-0.01262	0.134828	-0.09364	0.925398	0.947516	3712.207	5043.305	3631.022	3883.901	4038.641	4351.561
26008	PSMB8	1009.819	-0.01314	0.153985	-0.08531	0.932015	0.952656	1188.253	822.2125	1035.944	988.8323	926.2349	1097.438
26314	LOC103238	68.64065	-0.01329	0.341291	-0.03894	0.968936	0.978915	50.41403	72.25836	83.48776	73.66019	72.72976	59.29379
26520	LOC119621	2.787705	-0.0										



25863	ATP5F1A	27792.94	-0.0136	0.124026	-0.10963	0.9127	0.938179	31365.66	23280.88	29130.97	26899.36	25515.31	30565.45
26040	NCOA6	1030.094	-0.01362	0.170109	-0.08008	0.93617	0.955742	859.749	1340.064	903.7551	1013.386	1071.694	991.9147
25775	CRAMP1	1225.854	-0.01371	0.111566	-0.12288	0.902201	0.930553	1303.176	1176.388	1219.617	1158.474	1200.041	1297.428
25845	PORCN	787.7854	-0.01397	0.124353	-0.11231	0.910579	0.936651	753.5001	861.6262	761.1301	776.7802	763.6625	810.0135
25769	ZNF346	1151.533	-0.014	0.112355	-0.12459	0.900848	0.929374	1224.031	1129.858	1119.432	1178.563	1067.416	1189.896
25875	ABRAXAS1	885.0011	-0.014	0.130577	-0.10722	0.914614	0.939674	788.7357	927.863	949.6733	852.6725	951.9042	839.1579
26098	SSNA1	1337.211	-0.01409	0.197504	-0.07132	0.943139	0.960702	1569.882	855.6047	1607.139	1294.634	1309.136	1386.872
25755	COG7	1719.292	-0.0141	0.111271	-0.1267	0.899174	0.928152	1813.821	1606.654	1767.158	1734.363	1563.69	1830.068
25822	PSMD2	23039.05	-0.01429	0.121924	-0.11719	0.906709	0.9335	25223.82	20959.85	23284.74	21937.34	20116.2	26712.35
25696	DUSP11	2318.627	-0.01432	0.10579	-0.13535	0.892335	0.923207	2326.093	2415.728	2242.342	2285.698	2528.429	2113.472
25735	PSMD10	1343.832	-0.01435	0.111148	-0.1291	0.897282	0.926918	1302.091	1433.124	1312.149	1330.348	1431.065	1254.214
26284	OTX1	68.23749	-0.01444	0.336364	-0.04293	0.965758	0.976818	52.04029	82.65918	70.26887	71.42806	72.72976	60.29877
25823	PPCS	1155.139	-0.01456	0.124567	-0.11686	0.906968	0.933731	1098.809	1313.241	1068.643	1200.884	1133.729	1115.527
25922	LOC119621	907.6739	-0.01465	0.145258	-0.10084	0.919676	0.94322	828.8501	864.9107	1038.727	1013.386	911.2611	788.9089
25901	PEG10	31284.18	-0.01471	0.140875	-0.10442	0.916836	0.941048	26821.89	39629.88	27881.43	30727.46	29412.77	33231.66
25816	TPCN1	1230.81	-0.01475	0.124806	-0.1182	0.905911	0.93286	1268.482	1161.608	1288.494	1104.903	1176.511	1384.862
25682	RTL6	4306.507	-0.01476	0.106768	-0.13824	0.89005	0.921345	4335.607	4349.734	4308.664	4241.041	3801.2	4802.797
25492	LRBA	8771.252	-0.01495	0.090349	-0.16552	0.868538	0.905776	8637.062	9349.246	8469.138	8307.977	8648.424	9125.662
26445	LOC103231	11.71174	-0.01524	0.724537	-0.02103	0.98322	0.988425	11.9259	9.853413	13.2189	13.39276	12.83466	9.044815
25689	TGDS	1209.918	-0.01528	0.111863	-0.1366	0.891347	0.922436	1281.492	1141.354	1223.791	1279.009	1170.094	1163.766
26447	LOC119621	14.16911	-0.01542	0.759308	-0.02031	0.983797	0.98893	13.55216	16.96977	11.1317	20.08914	19.252	4.019918
26370	RNF225	27.66771	-0.01569	0.497197	-0.03157	0.974819	0.982767	34.15144	21.34906	27.82925	22.32127	34.22577	26.12947
25887	ZNF354B	500.9427	-0.01584	0.149062	-0.10626	0.915378	0.940191	453.1842	559.4549	499.5351	464.2824	517.6648	511.5345
25836	CREB3L2	3384.475	-0.01608	0.140834	-0.11418	0.909095	0.935533	2955.997	4227.661	3027.823	3341.494	3219.362	3534.513
25706	MEIS3	1108.183	-0.01627	0.121574	-0.13387	0.893508	0.92409	1222.405	1013.807	1109.692	1100.439	1046.025	1156.731
25694	LOC103231	1128.628	-0.0165	0.121758	-0.13548	0.892232	0.923137	1093.93	1271.09	1040.118	1093.742	1142.285	1130.602
25798	KIAA0895L	916.0164	-0.0165	0.137266	-0.12019	0.904335	0.931923	926.9677	910.8933	933.6715	814.7263	838.5314	1071.308
25522	UNC119B	3552.216	-0.01653	0.1022	-0.16175	0.871503	0.907756	3745.817	3555.44	3422.998	3491.047	3242.892	3855.101
25828	CCDC61	563.6755	-0.01655	0.142922	-0.11583	0.907787	0.934394	620.1468	521.6835	562.1509	522.3177	549.7514	606.0026
25417	LOC119621	4354.784	-0.0167	0.09364	-0.17839	0.858416	0.897869	4351.869	4664.496	4126.383	4149.524	4355.229	4481.203
25820	C1D	1037.686	-0.01671	0.141717	-0.11792	0.906133	0.93298	1000.149	963.9922	1161.176	1145.081	1082.39	873.3272
26014	LOC103241	269.6143	-0.01676	0.198475	-0.08442	0.93272	0.953193	282.9691	220.607	310.2962	243.3018	295.1973	265.3146
25525	UBE2H	21483.69	-0.01681	0.104193	-0.16134	0.871826	0.908016	20585.19	24130.46	20116.38	20714.14	20259.52	23096.44
25547	ARHGGEF25	1141.228	-0.01685	0.106783	-0.15775	0.874651	0.910189	1138.381	1164.345	1144.478	1091.51	1118.755	1189.896
26256	IQCH	49.37138	-0.01702	0.361912	-0.04702	0.962496	0.974557	49.32986	48.17224	50.78839	49.10679	55.61688	43.21412
25565	UQCC1	1976.943	-0.01708	0.109571	-0.15586	0.876143	0.911099	2137.447	1879.265	1954.309	1950.879	1818.244	2121.512
26506	LOC103221	2.796023	-0.01724	1.673663	-0.0103	0.991779	0.994698	1.084173	6.568942	0.695731	0	6.417332	2.009959
25712	CAPZB	4100.374	-0.01735	0.130381	-0.13305	0.894152	0.92444	3858.571	4955.172	3563.536	3984.347	3908.155	4332.466
26034	TRIM34	166.1176	-0.01741	0.216081	-0.08059	0.935768	0.955584	151.7842	180.0985	167.6713	171.8738	177.5462	147.732
25747	ESCO1	2698.248	-0.0176	0.137484	-0.12803	0.988125	0.927356	2389.517	3337.57	2416.275	2734.356	2677.523	2674.25
26096	LOC119621	125.1925	-0.01762	0.246221	-0.07156	0.942948	0.960618	120.3432	140.1374	115.4914	136.1597	130.4858	108.5378
26430	LOC103241	11.34959	-0.01792	0.764153	-0.02345	0.981293	0.987011	15.7205	8.211177	10.43597	6.696381	14.97377	12.05975
25532	NCOA3	2981.109	-0.01809	0.112789	-0.16038	0.872578	0.908556	2882.273	3331.001	2790.579	2964.265	2716.671	3201.865
26322	LOC103221	31.80139	-0.0182	0.477841	-0.03808	0.969623	0.979274	27.10432	38.86624	31.30791	26.78552	23.53022	43.21412
26406	LOC119621	16.15339	-0.01822	0.679391	-0.02681	0.978611	0.985244	17.88885	11.49565	19.48048	24.5534	6.417332	17.08465
25737	TTC9	1238.843	-0.01831	0.14201	-0.12892	0.897424	0.926957	1086.883	1501.551	1151.435	1267.848	1187.206	1238.135
25576	LIX1L	1921.755	-0.01845	0.119183	-0.15477	0.876999	0.911598	1778.043	2224.682	1799.857	1901.772	1884.556	1941.62
25346	CEBPB	2184.111	-0.01853	0.097221	-0.19058	0.848855	0.89035	2218.76	2282.16	2096.934	2131.681	2104.885	2270.249
25086	ATP5PB	6106.838	-0.01866	0.080329	-0.23226	0.816337	0.864998	6167.317	6069.702	6203.141	6138.349	5938.171	6124.345
26433	LOC103231	9.932866	-0.01868	0.812174	-0.023	0.981654	0.987258	7.047123	9.306001	13.2189	11.16063	12.83466	6.029877
25570	INPP5A	880.83	-0.01875	0.120743	-0.15528	0.876603	0.9114	891.19	901.5873	871.7514	857.1368	808.5838	954.7305
25541	NAA38	1357.938	-0.01877	0.117954	-0.15912	0.873577	0.909285	1240.294	1494.982	1361.546	1374.99	1407.535	1268.284
25815	LOC103211	343.2823	-0.01891	0.15985	-0.11831	0.905819	0.932853	334.4673	362.3866	338.1254	377.2295	320.8666	326.6183
26471	LOC119621	3.960839	-0.01892	1.25259	-0.01511	0.987948	0.992203	2.710432	5.474118	4.174388	2.232127	2.139111	7.034856
25367	TAB1	1501.71	-0.01901	0.101188	-0.18783	0.851014	0.891905	1470.138	1543.154	1524.347	1504.454	1422.509	1545.658
25777	EIF2AK2	2463.688	-0.01904	0.155293	-0.12262	0.902406	0.930692	2100.585	3197.98	2141.461	2437.483	2402.221	2502.399
26337	LOC103231	28.38755	-0.01906	0.529136	-0.03602	0.97127	0.980434	24.39389	30.65506	29.22072	33.4819	38.50399	14.06971
26435	LOC119621	9.594423	-0.01908	0.832738	-0.02291	0.981725	0.987258	7.589209	6.568942	14.61036	8.928508	12.83466	7.034856
25469	APOO	896.2851	-0.01908	0.112524	-0.16955	0.865361	0.90334	934.5569	880.7856	889.8404	901.7793	898.4265	872.3222
25221	BCAP31	8830.016	-0.01913	0.090575	-0.21119	0.832738	0.877774	8968.277	9136.851	8567.236	8660.653	8233.437	9413.643
25578	PRIM1	1069.066	-0.01914	0.123806	-0.1546	0.977133	0.911666	1047.853	1101.393	1072.818	1185.259	1067.416	939.6558
25480	AEBP2	3552.757	-0.01916	0.11411	-0.16791	0.866657	0.904244	3378.282	4112.705	3239.325	3508.904	3433.273	3644.056
25376	MBD1	3232.176	-0.01933	0.104141	-0.18558	0.852777	0.893406	3164.7	3558.177	3042.433	3187.477	3035.398	3404.87
26375	LOC119621	17.08413	-0.01936	0.621922	-0.03113	0.975164	0.982899	14.09425	21.89647	16.00182	11.16063	19.252	20.09959
26538	LOC103221	0.774094	-0.01941	3.092636	-0.00628	0.994991	0.996754	0	0.547412	2.087194	0	0	2.009959
25253	VPS50	3097.995	-0.01949	0.094039	-0.20721	0.835844	0.879932	3083.387	3319.505	2954.075	3118.281	3003.311	3109.406
26037	ZNF345	113.6902	-0.0195	0.242762	-0.08031	0.935989	0.955689	113.8381	113.8617	115.4914	118.3027	109.0946	111.5527
25268	TUBGCP2	4811.331	-0.01964	0.096313	-0.20393	0.838405	0.882113	4973.1	4802.991	4762.281	4834.787	4357.368	5137.455
26385	LOC103241	15.0287	-0.01971	0.652919	-0.03019	0.975919	0.983282	17.34676	11.49565	16.69755	17.85702	10.69555	16.07967
25347	XPNPEP1	2379.232	-0.01978	0.10389	-0.19041	0.848985	0.890451	2378.675	2544.918	2268.084	2325.876	2218.258	2



26067	TBR1	115.3838	-0.0199	0.263321	-0.07556	0.939772	0.958447	106.791	123.7151	115.4914	133.9276	121.9293	90.44815
26259	LOC119620	38.3819	-0.01997	0.427891	-0.04666	0.962782	0.974768	31.9831	37.77142	45.91827	31.24978	49.19955	34.1693
25521	WEE1	1518.442	-0.02005	0.123851	-0.16192	0.871369	0.907697	1565.003	1630.192	1397.724	1457.579	1364.753	1695.4
26466	LOC119620	3.951304	-0.02011	1.2728	-0.0158	0.987393	0.991833	2.710432	2.189647	6.957314	6.696381	2.139111	3.014938
25368	ZBTB22	1194.325	-0.02012	0.107527	-0.18715	0.851544	0.892396	1229.452	1171.461	1210.573	1185.259	1123.033	1246.175
25409	KLHDC3	1771.474	-0.02016	0.112371	-0.17937	0.85765	0.897309	1885.918	1685.481	1786.638	1705.345	1627.863	1937.6
25281	WDFY3	8901.35	-0.02042	0.100959	-0.20226	0.839714	0.883026	8843.597	9558.358	8499.054	8310.209	8434.513	9762.371
25844	GDPD1	296.6093	-0.02053	0.182626	-0.11244	0.910474	0.936579	273.7536	330.0893	288.7285	323.6584	310.171	253.2548
25465	BOP1	2978.388	-0.02064	0.121627	-0.1697	0.865246	0.903265	3201.562	2679.581	3123.834	3013.371	2579.767	3272.213
26177	KCTD16	67.07888	-0.02072	0.348456	-0.05945	0.952593	0.96744	66.13454	70.61612	64.00729	62.49956	91.98176	47.23404
25980	CASS4	171.8527	-0.02078	0.228203	-0.09107	0.92744	0.949052	151.2421	192.1415	173.9328	160.7131	205.3546	147.732
25257	ITGB4	2408.303	-0.0208	0.101021	-0.20593	0.836842	0.880843	2440.473	2380.147	2462.889	2377.215	2203.284	2585.812
25427	LIMD2	3803.357	-0.0209	0.118302	-0.17664	0.859789	0.898946	4049.927	3451.979	3997.672	3787.919	3317.761	4214.884
25382	ZNF343	1647.774	-0.02105	0.114267	-0.1842	0.853853	0.894322	1611.081	1828.355	1543.132	1629.453	1538.021	1736.605
25341	ACTR8	1882.293	-0.02111	0.110032	-0.19182	0.847882	0.88947	1856.104	2062.1	1774.115	1830.344	1771.184	1999.909
26497	LOC103234	1.763931	-0.02113	1.755385	-0.01204	0.990394	0.993683	1.626259	2.189647	1.391463	2.232127	2.139111	1.004979
25711	RFESD	348.169	-0.02116	0.15882	-0.13324	0.894004	0.924394	331.7569	372.24	345.7785	357.1403	361.5097	320.5885
25178	SUGP2	5148.339	-0.0213	0.097933	-0.21747	0.827844	0.874106	5405.685	5314.274	4845.073	4975.411	4832.251	5517.337
25537	PLP2	8801.331	-0.0213	0.133221	-0.15992	0.872947	0.908794	7629.324	10950.97	8019	8591.457	8721.154	8896.078
25751	SPSB2	790.1793	-0.02142	0.16818	-0.12737	0.898647	0.927752	904.2001	625.6917	862.0112	779.0123	688.7936	881.367
25582	MAK16	1143.791	-0.02144	0.139304	-0.15394	0.877657	0.912014	1070.078	1371.814	1015.072	1149.545	1099.503	1156.731
26303	LOC119620	24.22573	-0.02167	0.530451	-0.04085	0.967415	0.977787	18.97302	28.46541	25.04633	31.24978	23.53022	18.08963
26300	LOC119619	23.05227	-0.02179	0.531919	-0.04096	0.967328	0.977787	26.56223	22.44388	20.17621	20.08914	29.94755	19.09461
26046	ZNF628	116.4729	-0.02194	0.280542	-0.07821	0.937659	0.957027	117.6327	90.87036	144.0164	95.98146	134.764	115.5726
26001	TELO2	570.7775	-0.02196	0.254222	-0.0864	0.931151	0.952004	739.9479	319.1411	668.5978	488.8358	551.8906	656.2516
25637	TNFSF4	536.0834	-0.02199	0.152338	-0.14432	0.885245	0.917961	588.1637	461.4682	570.4997	508.925	566.8643	520.5794
26316	TRNAI-AAL	27.09557	-0.02208	0.573841	-0.03848	0.969307	0.979178	35.23561	12.04306	34.09084	29.01765	32.08666	20.09959
25029	PARP12	3680.648	-0.02212	0.091849	-0.24086	0.809661	0.860019	3767.5	3747.581	3616.412	3665.153	3431.134	3856.106
25962	LOC103233	132.5811	-0.02222	0.236186	-0.09407	0.92505	0.947283	119.8011	133.0211	147.4951	127.2312	143.3204	124.6175
26164	PCDHB6	60.83499	-0.02223	0.365681	-0.06079	0.951528	0.966839	44.45108	73.90059	65.39875	49.10679	74.86887	57.28383
25152	POLR2I	1273.304	-0.02234	0.101022	-0.22111	0.825009	0.872012	1281.492	1271.09	1296.148	1274.545	1266.354	1250.194
25723	GGCT	297.6583	-0.02241	0.170648	-0.13135	0.895498	0.92547	290.5583	324.0678	284.5541	323.6584	271.6671	291.444
25471	LOC103225	781.7705	-0.0225	0.132932	-0.16929	0.865655	0.903439	762.1734	852.8676	752.7813	770.0838	699.4892	853.2276
25242	POLR2B	4095.742	-0.02252	0.107938	-0.20861	0.834755	0.879158	3930.668	4655.19	3799.389	4049.078	3908.155	4231.969
25419	SWI5	969.386	-0.02254	0.126435	-0.17831	0.858479	0.897869	1003.402	859.984	1067.252	970.9752	969.0171	945.6857
24947	SLC25A36	4043.295	-0.02255	0.088188	-0.2557	0.798179	0.850586	4064.564	4238.61	3924.621	3917.383	3968.05	4146.545
25762	FOSL1	1515.079	-0.02262	0.179736	-0.12584	0.899861	0.928608	1263.061	2063.195	1254.404	1578.114	1401.117	1530.584
25058	NFS1	2465.172	-0.02266	0.095743	-0.23671	0.812878	0.862424	2485.466	2625.387	2342.528	2470.965	2406.5	2460.19
26321	THPO	22.34616	-0.0228	0.596358	-0.03823	0.969505	0.979265	17.88885	29.01283	19.48048	24.5534	32.08666	11.05477
26460	LOC119620	4.620329	-0.02289	1.29597	-0.01766	0.98591	0.990568	10.29964	2.737059	0.695731	6.696381	4.278221	3.014938
25113	PLCG1	5119.529	-0.02291	0.10029	-0.22844	0.819304	0.867327	5232.76	5088.74	5167.893	4933.001	4656.844	5637.935
26126	LRRC70	97.94408	-0.02305	0.344718	-0.06686	0.946695	0.963291	124.1378	85.94365	83.48776	93.74933	139.0422	61.30375
25655	ZNF777	842.0165	-0.02306	0.163064	-0.1414	0.88755	0.919724	773.5572	1054.315	720.082	772.3159	836.3923	895.4367
25108	PAFAH1B1	6721.2	-0.0231	0.100965	-0.2288	0.819026	0.867205	6546.777	7416.335	6367.334	6319.151	6522.148	7155.454
25991	LOC103225	100.3244	-0.0231	0.263619	-0.08763	0.930171	0.95143	110.0435	99.08154	95.3152	95.98146	91.98176	109.5428
25608	FNBP1L	3435.156	-0.02323	0.155387	-0.14952	0.881141	0.914743	2992.317	4494.251	2901.896	3287.923	3465.359	3469.189
26235	LOC119620	32.11098	-0.02325	0.451076	-0.05154	0.958897	0.971812	28.73058	35.58177	33.39511	24.5534	34.22577	36.17926
26428	LOC119619	6.473256	-0.02333	0.985562	-0.02368	0.981111	0.98694	4.878777	8.211177	6.957314	4.464254	4.278221	10.04979
25732	CDK20	235.5195	-0.02347	0.181116	-0.1296	0.896886	0.926618	243.3968	219.5121	249.0718	238.8376	233.1631	229.1353
28142	LOC119618	0.464147	-0.02354	3.69049	-0.00638	0.994912	NA	1.084173	0	0.695731	0	0	1.004979
25087	DNAJA1	9172.497	-0.02368	0.101932	-0.23231	0.816298	0.864998	8826.792	10338.97	8580.455	9037.882	8729.711	9521.175
26374	ARL14	12.37238	-0.02374	0.762813	-0.03112	0.975172	0.982899	17.88885	9.853413	9.044508	11.16063	19.252	7.034856
26103	LOC119620	107.808	-0.02394	0.341629	-0.07008	0.944134	0.961544	133.3532	65.14201	129.406	107.1421	79.14709	132.6573
25348	IRS1	710.02	-0.02399	0.126154	-0.19019	0.849163	0.890602	683.0288	758.7128	708.9503	694.1915	669.5416	745.6948
25364	RNF175	566.5704	-0.02401	0.127459	-0.18835	0.850601	0.89155	572.9853	576.4246	563.5424	564.7281	569.0034	552.7387
25373	LCMT1	688.9867	-0.02416	0.129934	-0.18596	0.852473	0.893194	650.5036	748.312	688.0783	645.0847	682.3763	719.5653
25948	ZNF524	149.9704	-0.02434	0.252065	-0.09658	0.923063	0.945724	167.5047	111.672	174.6286	149.5525	149.7377	146.727
25804	LOC119620	183.1277	-0.02439	0.203977	-0.11958	0.904812	0.932198	183.7673	194.8786	174.6286	167.4095	203.2155	174.8664
25296	TTF1	1469.322	-0.02454	0.123037	-0.19946	0.8419	0.8848	1404.004	1694.24	1348.327	1395.079	1473.847	1500.434
25999	RBPMS2	112.0444	-0.02456	0.2824	-0.08695	0.93071	0.951687	97.57555	142.8745	100.1853	100.4457	100.5382	130.6473
25468	MBD4	1895.687	-0.0246	0.14516	-0.16949	0.865408	0.90334	1618.67	2360.987	1753.939	1957.575	1876	1806.953
25595	MAP3K13	474.1859	-0.02465	0.16199	-0.15216	0.879059	0.91306	446.1371	553.9808	435.5278	497.7643	419.2657	492.4399
26298	CYP26B1	22.49332	-0.02471	0.601351	-0.0411	0.967219	0.977775	15.7205	21.34906	29.91645	31.24978	25.66933	11.05477
25055	RNF34	2010.096	-0.02483	0.104736	-0.23704	0.812627	0.862251	2052.339	2118.484	1916.74	1890.612	1933.756	2148.646
24894	IST1	4932.262	-0.02483	0.093287	-0.26617	0.790107	0.843777	5161.746	4895.504	4873.598	4801.305	4603.366	5258.053
24612	EIF4A2	17973.47	-0.02484	0.078991	-0.31444	0.753187	0.813549	18302.46	18237.57	17848.99	17785.59	17185.62	18480.57
25180	KIAA1109	8330.419	-0.02486	0.114526	-0.2171	0.828132	0.874306	7879.225	9687.547	7644.001	7879.408	8000.274	8892.058
25114	LPAR1	7342.541	-0.02488	0.108971	-0.22828	0.819429	0.867425	6860.103	8507.874	6850.867	7214.234	7136.073	7486.092
26492	LOC119620	1.805371	-0.0249	1.883457	-0.01322	0.989454	0.992928	3.794605	1.094824	0.695731	2.232127	0	3.014938
25084	NCOR2	2403.69	-0.025	0.107273	-0.233	0.815758	0.864572	2253.453	2568.456	2455.236	2466.5	2169.058	2509.434
25397	TMEM70	1547.837	-0.02511	0.137713	-0.18236	0.855298	0.895306	1665.					



25245	NEU3	676.6723	-0.026	0.124812	-0.2083	0.834991	0.879313	721.517	657.989	669.2936	645.0847	688.7936	677.3562
26286	LOC103232	18.80909	-0.02601	0.607216	-0.04284	0.96583	0.976831	15.7205	22.9913	18.08902	11.16063	27.80844	17.08465
25022	UGGT1	7999.851	-0.02607	0.107801	-0.24188	0.808874	0.859401	7724.189	9050.36	7446.413	7854.855	7397.045	8526.246
24818	HPRT1	3055.939	-0.02621	0.09435	-0.27781	0.78116	0.836777	2961.96	3005.838	3281.069	3046.853	3112.406	2927.505
26305	LOC103232	22.59036	-0.02622	0.647456	-0.0405	0.967696	0.977922	34.15144	10.40082	22.95914	35.71403	19.252	13.06473
24966	PTBP3	15556.82	-0.02637	0.104596	-0.25208	0.800979	0.852898	14527.37	17903.65	14667.41	15075.79	15335.28	15831.44
24787	PRXL2C	2035.609	-0.02652	0.093547	-0.28354	0.776763	0.833108	2032.824	2088.376	2040.58	1970.968	2092.05	1988.854
25220	RRAS	1048.807	-0.02653	0.125569	-0.21124	0.832698	0.877767	1002.318	1180.22	996.2873	988.8323	1009.66	1115.527
25037	LPIN2	1190.306	-0.02658	0.111081	-0.23931	0.810868	0.860968	1207.768	1250.836	1149.348	1120.528	1155.12	1258.234
26312	LOC119621	14.35027	-0.02665	0.681213	-0.03912	0.968797	0.978849	11.9259	19.15941	12.52316	17.85702	8.556443	16.07967
25446	ARID2	2426.251	-0.02678	0.155016	-0.17273	0.862861	0.901484	2092.995	3148.713	2105.283	2401.769	2312.379	2496.369
25739	DUSP23	318.5669	-0.02682	0.208198	-0.12881	0.897511	0.926994	363.1979	233.7448	368.0419	303.5693	327.2839	315.5636
26363	TSACC	11.40756	-0.02684	0.818999	-0.03277	0.973858	0.982059	14.09425	7.116354	12.52316	17.85702	12.83466	4.019918
25752	ZNF821	171.7857	-0.02688	0.211156	-0.1273	0.898705	0.927775	191.8986	170.2451	157.2353	180.8023	164.7115	165.8216
26180	LOC103221	32.82877	-0.02691	0.454021	-0.05927	0.952734	0.967473	28.18849	42.15071	29.22072	29.01765	34.22577	34.1693
24650	EIF5	11422.12	-0.02693	0.087688	-0.30714	0.75874	0.8183	11201.13	12421.32	10964.03	11278.94	11251.72	11415.56
25484	PIEZO2	675.5564	-0.02714	0.162064	-0.16746	0.86701	0.904467	594.6687	826.0444	625.4625	604.9064	720.8803	681.3761
26332	LOC103232	11.36723	-0.02714	0.736162	-0.03687	0.970592	0.979926	12.46799	12.04306	9.740239	8.928508	14.97377	10.04979
25190	RNPC3	951.1454	-0.0272	0.125842	-0.21612	0.828891	0.874795	913.9576	1057.052	912.7996	874.9938	939.0696	1008.999
24931	PPP1R18	3071.483	-0.02731	0.105751	-0.25823	0.796232	0.849068	2937.024	3405.996	2963.12	2993.282	2881.382	3248.094
25940	LOC119618	98.13424	-0.02738	0.280097	-0.09776	0.922127	0.945055	103.5385	89.22813	105.7512	73.66019	109.0946	107.5328
25107	CLK3	2253.451	-0.0274	0.119721	-0.22884	0.818989	0.867202	2083.238	2597.469	2147.723	2160.699	2132.693	2398.886
24705	SUCLG2	3626.296	-0.02741	0.092021	-0.29789	0.76579	0.824065	3634.147	3872.391	3477.961	3566.939	3506.002	3700.334
24879	API5	6025.398	-0.02756	0.102235	-0.26958	0.78748	0.841445	5826.344	6819.109	5604.116	5926.297	5895.389	6081.131
24905	IL10RB	1341.444	-0.02759	0.104623	-0.26368	0.792023	0.84545	1421.893	1355.939	1285.016	1337.044	1309.136	1339.638
25239	ANGEL1	2224.148	-0.02773	0.132385	-0.20947	0.83408	0.878562	2463.783	1949.333	2330.7	2024.539	2044.99	2531.543
25577	CRADD	323.6183	-0.0278	0.179732	-0.15467	0.877085	0.911651	352.8982	279.7274	350.6486	294.6408	308.0319	355.7627
25271	ZNF32	983.3744	-0.0278	0.136497	-0.20369	0.838598	0.882202	1109.109	836.9927	1033.161	953.1182	983.9909	983.8749
24902	RAB22A	3470.575	-0.02796	0.105561	-0.26483	0.791141	0.84461	3358.225	3923.848	3230.281	3363.815	3493.168	3454.114
26089	LOC119621	43.6147	-0.02807	0.386092	-0.07271	0.942033	0.959943	42.82482	47.07742	41.74388	51.33892	38.50399	40.19918
26382	TRNAK-CU	7.943275	-0.02808	0.92007	-0.03052	0.975655	0.983125	9.215468	7.663765	7.653045	8.928508	2.139111	12.05975
24912	ETFB	2060.008	-0.0282	0.107625	-0.26206	0.793275	0.846549	2180.271	1897.329	2165.812	2087.039	1908.087	2121.512
25968	LOC119621	79.68093	-0.02842	0.30396	-0.09351	0.925497	0.94752	77.51835	75.54283	89.74935	60.26743	85.56443	89.44317
25052	PICG	716.4612	-0.02842	0.119762	-0.23734	0.812392	0.862036	733.9849	711.0879	727.735	691.9594	697.3501	736.65
25166	DMAP1	1117.073	-0.02843	0.129326	-0.21981	0.826021	0.872597	1192.59	1022.018	1174.395	1124.992	975.4345	1213.01
25632	RNF32	233.6703	-0.02853	0.196479	-0.14523	0.884533	0.91742	215.7504	247.9776	243.506	200.8914	273.8062	220.0905
25130	FAM217B	1051.324	-0.0286	0.12617	-0.22667	0.820683	0.868199	1024.543	1186.789	973.3282	1102.671	975.4345	1045.179
24952	SMIM10L1	1907.759	-0.02862	0.112596	-0.25417	0.799365	0.85168	1916.275	2123.958	1737.241	1979.897	1846.053	1843.132
26309	GPR83	11.80418	-0.02868	0.721611	-0.03974	0.968299	0.978457	11.38381	14.78012	9.740239	11.16063	10.69555	13.06473
25363	SLC9A1	441.829	-0.02881	0.152958	-0.18835	0.850603	0.89155	400.0597	478.9853	461.2699	401.7829	455.6306	453.2457
25728	GALK1	577.619	-0.02885	0.220985	-0.13057	0.896114	0.925964	730.7324	374.4297	646.3344	604.9064	496.2737	613.0375
24959	ETV3	1771.462	-0.02887	0.113961	-0.2533	0.800035	0.852146	1638.185	1982.178	1749.764	1765.612	1659.95	1833.083
24841	GATB	1537.505	-0.02895	0.105347	-0.27482	0.783456	0.83846	1545.488	1539.869	1578.614	1522.311	1409.674	1629.072
26006	GNG14	59.27791	-0.02904	0.338663	-0.08574	0.93167	0.952422	59.08741	58.02565	61.22436	69.19594	59.8951	48.23901
24816	INTS4	2429.046	-0.02909	0.104669	-0.2779	0.78109	0.83677	2443.725	2631.409	2288.26	2450.875	2237.51	2522.498
25796	LOC119621	190.3142	-0.0293	0.243605	-0.12026	0.904276	0.931898	218.4608	144.5167	216.3725	158.481	183.9635	220.0905
25255	ZBTB48	744.8072	-0.02935	0.141855	-0.20693	0.836067	0.880096	823.4292	683.7174	754.8685	718.7449	660.9852	827.0981
25518	LOC103221	274.5569	-0.02947	0.181545	-0.16232	0.871056	0.907478	295.4371	246.3353	289.4243	303.5693	250.2759	262.2996
24835	ZC3H4	1950.732	-0.02952	0.106992	-0.27589	0.782632	0.83778	1827.915	2137.643	1948.048	1979.897	1831.079	1979.81
24659	CHM	3455.296	-0.02961	0.09661	-0.3065	0.759227	0.818556	3418.397	3765.646	3287.331	3325.869	3531.672	3402.86
25214	SUPT3H	482.6377	-0.02963	0.139872	-0.21187	0.832209	0.87746	493.8407	480.0802	491.1863	488.8358	436.3786	505.5047
24769	NOP9	1687.714	-0.02973	0.103629	-0.28687	0.774209	0.830973	1716.245	1741.864	1661.407	1540.168	1704.871	1761.729
26419	LOC103221	4.986717	-0.0298	1.194815	-0.02494	0.980102	0.98626	5.96295	6.02153	3.478657	0	6.417332	8.039836
26392	LOC119621	6.452657	-0.02986	1.026099	-0.0291	0.976787	0.98393	2.168345	7.663765	9.740239	6.696381	6.417332	6.029877
26302	LOC103221	14.04438	-0.02995	0.732805	-0.04088	0.967394	0.977787	17.34676	14.78012	11.1317	15.62489	4.278221	21.10457
24820	PHF23	2149.861	-0.03016	0.108704	-0.27746	0.781431	0.836966	2114.137	2386.716	2019.012	2012.146	2139.111	2229.044
25943	LOC119621	89.83701	-0.03022	0.311442	-0.09703	0.922704	0.945538	113.8381	65.68942	93.228	91.51721	81.28621	93.46309
25293	KRT222	428.6921	-0.03024	0.151251	-0.1999	0.841558	0.884546	411.4436	453.8044	430.6577	439.729	455.6306	380.8872
25691	LOC103221	157.2785	-0.0304	0.223565	-0.13596	0.891855	0.92289	158.2892	162.0339	155.8438	185.2665	130.4858	151.7519
26151	LOC103232	31.20489	-0.03047	0.477913	-0.06375	0.949167	0.964919	27.6464	30.10765	36.17803	44.64254	23.53022	25.12449
24635	SOC56	2125.964	-0.0306	0.09881	-0.30964	0.756838	0.816746	2088.117	2297.487	2060.756	2118.289	2053.546	2137.591
24235	SNRPN	6893.441	-0.0306	0.082812	-0.36955	0.711716	0.780737	6972.315	7102.668	6827.908	6874.951	6549.957	7032.846
25070	OGG1	561.0192	-0.03069	0.130654	-0.23493	0.814263	0.863469	562.6857	595.5841	542.6705	549.1032	558.3079	557.7636
24679	ACADM	3118.915	-0.0307	0.10145	-0.30259	0.7622	0.821065	3093.687	3454.716	2906.766	3044.621	3144.493	3069.207
24810	PRR14L	3684.685	-0.0308	0.110446	-0.27889	0.780332	0.83616	3689.44	4107.778	3379.167	3616.046	3386.212	3929.47
24731	UBE4A	5935.154	-0.03086	0.104948	-0.29406	0.768715	0.826343	5719.553	6655.433	5625.684	5497.729	5833.355	6279.112
24897	METTL4	1193.054	-0.03089	0.116236	-0.26576	0.790425	0.843981	1215.9	1248.099	1150.044	1122.76	1306.997	1114.522
25617	LOC119618	218.5041	-0.03112	0.210357	-0.14795	0.882384	0.915727	252.0702	205.8268	202.4578	200.8914	258.8324	190.9461
24933	TNRC6A	5677.913	-0.03124	0.121466	-0.25723	0.797002	0.84981	5240.891	6774.769	5205.462	5432.997	5439.758	5973.598
25062	ZBED3	1318.452	-0.03131	0.132698	-0.23598	0.813448	0.862881	1216.442	1377.836	1409.552	1343.74	1105.92	1457.22



25016	ATP6V0A4	1055.803	-0.03158	0.12998	-0.24299	0.808012	0.85869	1016.412	1205.401	979.5898	970.9752	1127.311	1035.129
24788	CUEDC1	1910.625	-0.03165	0.111691	-0.28337	0.776891	0.833212	1875.619	2001.885	1923.002	1924.093	1674.924	2064.228
26145	LOC103235	32.0501	-0.03172	0.491475	-0.06454	0.94854	0.964503	24.93597	42.69812	28.52499	31.24978	42.78221	22.10955
26335	LOC103225	7.859306	-0.03177	0.876941	-0.03622	0.971105	0.980323	6.505036	10.40082	6.957314	6.696381	8.556443	8.039836
25234	NDUF85	2300.984	-0.03183	0.151569	-0.20999	0.833677	0.878336	2617.193	1756.097	2606.905	2133.913	2389.387	2302.408
25498	LOC103235	257.6144	-0.03184	0.193759	-0.16432	0.869479	0.906572	275.3799	226.0811	283.1627	229.9091	241.7195	289.4341
25174	ZNF274	461.2452	-0.03188	0.146115	-0.21822	0.82726	0.873628	445.595	477.3431	480.0546	433.0326	429.9612	501.4848
26376	LOC103235	7.903026	-0.03192	1.025366	-0.03113	0.975169	0.982899	14.09425	4.379295	6.261582	4.464254	2.139111	16.07967
25057	EID2	673.1051	-0.03193	0.134888	-0.2367	0.812888	0.862424	688.9918	732.9844	622.6796	624.9956	652.4288	716.5504
24740	TTI1	2144.733	-0.03197	0.10963	-0.29157	0.770613	0.82811	2210.086	2122.316	2180.422	2095.967	1905.948	2353.662
24733	ABHD10	1144.444	-0.03201	0.109015	-0.29362	0.769045	0.826631	1220.236	1095.918	1156.306	1116.063	1129.45	1148.692
25106	CORX17	1004.538	-0.03206	0.140017	-0.22894	0.818916	0.867176	923.1731	1162.155	956.6306	1051.332	1054.582	879.357
24693	VIRMA	6761.988	-0.03207	0.106745	-0.30042	0.763853	0.82238	6631.343	7644.059	6240.015	6595.935	6323.211	7137.364
25998	AQP11	54.76309	-0.03207	0.368033	-0.08714	0.930563	0.951574	62.33993	45.98259	59.13717	40.17829	55.61688	65.32367
24979	FARP2	1063.357	-0.03209	0.128466	-0.2498	0.802745	0.854356	1091.22	1146.828	992.1129	1053.564	932.6523	1163.766
24813	PIGA	1779.668	-0.03222	0.115631	-0.27863	0.780532	0.836273	1704.862	2034.73	1660.015	1734.363	1739.097	1804.943
26122	LCNL1	28.29909	-0.03224	0.474955	-0.06788	0.945879	0.962644	26.56223	25.18094	34.09084	29.01765	27.80844	27.13445
25127	WDFY2	613.1847	-0.03241	0.142786	-0.22699	0.820434	0.86804	623.3993	674.9588	565.6296	573.6566	571.1425	670.3213
26377	KCNIP4	6.355587	-0.03261	1.05088	-0.03103	0.975245	0.982911	7.589209	7.663765	3.478657	6.696381	10.69555	2.009959
24848	ANXA7	8734.639	-0.03268	0.119406	-0.27367	0.784336	0.839098	9863.261	7496.805	9144.693	8747.706	7912.57	9242.796
24476	LOC103225	24248.66	-0.03273	0.098042	-0.33384	0.738499	0.802132	24268.12	25442.06	23870.54	22952.96	22216.8	26741.5
26400	TRNAL-AA	7.118541	-0.03275	1.172455	-0.02793	0.977717	0.984531	10.84173	1.642235	9.740239	0	6.417332	14.06971
24697	EOGT	1462.814	-0.03277	0.109436	-0.29942	0.764619	0.823061	1430.024	1598.442	1412.335	1372.758	1458.873	1504.454
24727	UQCRH	4081.458	-0.03318	0.112688	-0.29447	0.768398	0.826102	3949.099	3802.322	4629.397	4091.489	4323.143	3693.3
24853	POLR2H	1223.819	-0.03337	0.122034	-0.27345	0.784504	0.839143	1303.176	1099.203	1308.671	1290.169	1200.041	1141.657
24178	ATAAD1	3119.901	-0.03339	0.088449	-0.37755	0.705763	0.776024	3193.431	3230.825	3042.433	3042.389	3155.188	3055.138
25758	LOC119625	194.9665	-0.03341	0.264309	-0.12639	0.899422	0.928322	158.2892	262.7577	169.7585	156.2489	243.8586	178.8863
25328	HOXB4	326.5689	-0.03345	0.171033	-0.19555	0.844963	0.886898	304.6525	357.4599	325.6023	350.4439	335.8404	285.4142
25714	STS	184.5698	-0.03351	0.251861	-0.13306	0.894148	0.92444	155.5788	251.8094	153.0609	176.338	179.6853	190.9461
25233	SLC2A4RG	2234.555	-0.03352	0.159669	-0.20996	0.8337	0.878336	2599.846	1694.24	2491.414	2178.556	1985.095	2458.18
24286	CUL2	2193.917	-0.03375	0.092658	-0.36424	0.715678	0.783405	2173.224	2266.285	2222.166	2107.128	2162.641	2232.059
24608	FBXL4	1006.238	-0.03397	0.107845	-0.31499	0.75277	0.813206	1012.075	1035.156	1008.115	970.9752	1001.104	1010.004
25001	SYS1	570.7928	-0.03398	0.138451	-0.24543	0.806124	0.857198	620.6889	552.8859	560.0638	595.9779	511.2474	583.8931
24506	WIPI2	5706.621	-0.03399	0.102886	-0.33036	0.741128	0.804063	6107.687	5345.476	5876.147	5381.658	5337.081	6191.679
24550	ARHGEF7	2006.931	-0.03409	0.105493	-0.32316	0.746572	0.808457	1967.231	2216.47	1910.478	1930.79	1959.425	2057.193
25019	ARMC1	873.3109	-0.03436	0.141669	-0.24254	0.808362	0.858959	946.4828	735.1741	968.4581	879.458	879.1745	831.118
26250	LOC119625	13.35976	-0.0345	0.712475	-0.04842	0.961384	0.973654	12.46799	10.94824	17.39328	17.85702	6.417332	15.07469
24298	MED29	1991.953	-0.03453	0.095245	-0.36252	0.716966	0.784457	1991.083	1955.355	2101.109	2006.682	1933.756	1963.73
24928	OLFML2B	1452.536	-0.03455	0.133426	-0.25894	0.795685	0.848575	1350.879	1733.106	1328.151	1381.687	1396.839	1524.554
24858	UBE2L3	5111.95	-0.03459	0.127026	-0.27233	0.785368	0.839931	4606.65	6238.852	4674.619	5111.571	4881.451	5158.56
25501	ZNF773	182.7483	-0.03468	0.211822	-0.16372	0.869949	0.906929	192.4407	195.9734	167.6713	151.7846	194.6591	193.961
24542	STIP1	8112.779	-0.03472	0.107265	-0.32372	0.746147	0.808165	7738.283	9280.272	7616.867	7741.016	7747.859	8552.375
24593	CCND1	10056.46	-0.03475	0.10937	-0.31773	0.75069	0.811495	9505.484	11617.17	9413.245	9928.501	9369.305	10505.05
24077	GOLPH3	4692.991	-0.03483	0.088476	-0.39362	0.693865	0.766225	4670.616	4996.228	4583.478	4468.718	4729.574	4709.334
25488	LOC119625	228.3122	-0.03499	0.210287	-0.16637	0.867863	0.905216	228.7604	273.1585	190.6304	249.9982	203.2155	224.1104
24212	SLC39A1	7930.136	-0.03505	0.094344	-0.37154	0.710233	0.77981	8039.141	8366.642	7678.787	7964.229	7191.69	8340.325
25430	LOC103245	291.2847	-0.0352	0.200187	-0.17585	0.860411	0.89949	275.922	363.4814	244.8974	303.5693	267.3888	292.449
25497	SLC23A3	163.0599	-0.03524	0.214564	-0.16426	0.869526	0.906572	160.4576	169.6977	163.4969	154.0168	183.9635	146.727
24237	TOMM70	5637.453	-0.03525	0.095435	-0.36938	0.711846	0.780775	5520.608	6232.284	5367.568	5415.14	5595.914	5693.209
26226	IGLON5	17.42255	-0.03536	0.680994	-0.05192	0.958589	0.971711	10.29964	21.89647	20.17621	11.16063	29.94755	11.05477
25664	ABC89	163.4652	-0.03536	0.252069	-0.14029	0.888434	0.920317	208.1612	131.9262	157.931	136.1597	164.7115	181.9013
24711	PPP2R3C	953.1561	-0.03537	0.119172	-0.2968	0.766616	0.824754	981.1763	932.7897	976.8068	919.6363	1033.19	875.3371
24530	RANGAP1	4030.636	-0.03542	0.108739	-0.32571	0.744643	0.807045	4367.59	3805.06	4073.507	4046.846	3557.341	4333.471
25079	CHST3	607.06	-0.03548	0.151808	-0.23373	0.815197	0.86415	627.736	554.5282	664.4235	640.6204	504.8301	650.2217
24805	PPDPF	801.3977	-0.03549	0.126879	-0.27972	0.77969	0.835641	780.0623	835.3504	823.0502	790.173	714.463	865.2873
24794	SLC66A3	229.9955	-0.03562	0.126249	-0.28212	0.777851	0.84039	2523.954	1923.058	2538.028	2299.091	2267.457	2248.139
25556	LOC103215	196.2022	-0.03567	0.227309	-0.15692	0.875307	0.910551	169.1309	244.6931	180.1944	196.4272	213.9111	172.8565
24846	ST6GALNA	4165.093	-0.03572	0.130346	-0.27401	0.78408	0.838962	4718.32	3474.97	4461.03	4120.506	3745.583	4470.149
24699	MED30	856.49	-0.03573	0.119416	-0.29924	0.764754	0.82315	893.9004	803.6005	902.3636	852.6725	866.3398	820.0632
25685	TRNAS-GCI	149.9826	-0.03576	0.261372	-0.13684	0.891161	0.922387	145.2791	159.2968	150.9737	194.195	98.39909	151.7519
24982	NDUFV1	4471.182	-0.03579	0.144023	-0.24848	0.803762	0.855337	5099.949	3673.133	4812.374	4448.629	3769.113	5023.892
24279	STK17A	2124.761	-0.0358	0.098067	-0.36505	0.715074	0.782992	2171.598	2174.867	2102.5	2066.95	2241.788	1990.864
24401	UMPS	1489.49	-0.03589	0.103539	-0.3466	0.728889	0.794156	1568.256	1434.219	1522.956	1506.686	1405.396	1499.429
25859	LOC119625	62.56625	-0.03596	0.326216	-0.11022	0.912233	0.937844	68.84497	63.49977	57.04997	60.26743	68.45154	57.28383
24366	FAM8A1	1922.868	-0.03609	0.102649	-0.35163	0.725114	0.791149	1876.161	2076.88	1891.694	1834.808	1856.748	2000.914
25002	CMC1	1019.124	-0.03633	0.148045	-0.24537	0.806171	0.857213	1116.156	822.76	1157.697	1017.85	988.2691	1012.014
26032	LOC103235	31.17256	-0.03639	0.450803	-0.08071	0.93567	0.955546	35.23561	27.918	31.30791	33.4819	29.94755	29.1444
24619	DENND2B	5315.187	-0.03649	0.116613	-0.31288	0.754372	0.814597	5084.228	6190.133	4877.077	5089.25	4971.293	5679.139
24646	CBFA2T2	1158.112	-0.0367	0.119149	-0.30802	0.758064	0.817704	1173.617	1236.056	1114.562	1066.957	1095.225	1262.254
25093	RNF111	1286.072	-0.03684	0.158921	-0.23182	0.816675	0.865233	1084.715	1650.447	1170.916	1267.848	1313	



26324	LOC103230	6.857129	-0.0371	0.978197	-0.03793	0.969743	0.979358	8.673382	6.568942	5.565851	11.16063	2.139111	7.034856
26264	LOC119625	10.82607	-0.0373	0.818119	-0.0456	0.963632	0.97541	8.131296	12.59047	11.82743	20.08914	4.278221	8.039836
26031	LOC119626	36.87706	-0.03733	0.461544	-0.08088	0.935538	0.955448	46.61943	43.24553	22.2634	35.71403	34.22577	39.1942
24218	LOC103234	5607.818	-0.03739	0.100763	-0.37111	0.710554	0.780002	5656.671	5625.204	5767.613	5542.371	4964.876	6090.176
24927	PPP1R11	1535.648	-0.03747	0.144629	-0.25909	0.795565	0.848482	1363.889	1895.687	1408.856	1542.4	1401.117	1601.937
25961	LOC119620	50.46307	-0.03761	0.399952	-0.09403	0.925084	0.947283	68.84497	38.31883	45.22254	53.57105	55.61688	41.20416
24431	HRAS	1816.844	-0.03771	0.110914	-0.34003	0.733836	0.798536	1962.353	1668.511	1895.172	1707.577	1769.045	1898.406
24997	MRPS31	979.8695	-0.0378	0.153714	-0.24593	0.805733	0.856919	885.7691	1217.444	873.1429	1035.707	930.5131	936.6409
26351	TRNAN-GL	5.68301	-0.03805	1.10716	-0.03437	0.972583	0.98122	10.84173	2.737059	3.478657	4.464254	8.556443	4.019918
24661	NCBP3	1670.115	-0.03846	0.125606	-0.30622	0.75944	0.81869	1567.172	1954.26	1558.438	1551.328	1642.837	1746.654
26291	CLDN3	8.559822	-0.03847	0.914471	-0.04207	0.966446	0.977254	8.673382	4.379295	12.52316	8.928508	12.83466	4.019918
23732	SGCE	3912.201	-0.03855	0.085996	-0.44825	0.653972	0.73259	4068.358	3865.275	3958.016	3808.009	3978.746	3794.802
25116	TS8IA4	293.1847	-0.03881	0.170276	-0.22791	0.819714	0.867647	302.4842	292.3179	299.8602	272.3195	269.5279	322.5984
25326	KCND1	268.2396	-0.03892	0.198929	-0.19564	0.844894	0.886895	252.6122	323.5204	241.4188	229.9091	269.5279	292.449
25144	ZNF235	277.2838	-0.03906	0.175071	-0.2231	0.823458	0.87065	268.8748	312.0247	261.595	283.4801	267.3888	270.3395
24756	LOC103246	2173.018	-0.03906	0.135183	-0.28896	0.772612	0.82975	2422.584	1899.519	2292.435	1993.289	1953.008	2477.274
24265	LOC103224	1939.35	-0.03913	0.106767	-0.36649	0.713999	0.782255	2113.595	1817.407	1968.92	1926.326	1813.966	1995.889
25509	LOC119625	122.8782	-0.03913	0.240026	-0.16303	0.870494	0.907219	127.3903	125.9047	121.0573	129.4634	104.8164	128.6374
25413	ISOC2	371.6666	-0.03933	0.219771	-0.17897	0.857962	0.89753	422.2853	256.7361	452.9211	370.5331	331.5622	395.9619
23887	STX7	2151.241	-0.03957	0.093273	-0.42422	0.671404	0.747238	2210.086	2156.255	2172.073	2191.949	2136.972	2040.108
24361	RINT1	1204.587	-0.0396	0.112246	-0.35278	0.724255	0.790375	1267.398	1226.202	1168.133	1118.296	1287.745	1159.746
24428	CUNH11or	1487.816	-0.03961	0.116285	-0.3406	0.733408	0.798168	1410.509	1680.007	1433.902	1533.471	1394.7	1474.305
24692	PCGF6	742.5828	-0.03967	0.132015	-0.30052	0.763778	0.822332	808.7929	666.2002	782.6978	745.5304	733.715	718.5603
24397	ERI2	1076.609	-0.03984	0.114754	-0.34716	0.728471	0.793803	1067.91	1180.22	1027.595	1037.939	1054.582	1091.408
24266	DENND10	2705.574	-0.03985	0.10875	-0.36644	0.714037	0.782255	3009.121	2467.185	2755.792	2642.838	2562.655	2795.853
25095	DHRS7B	441.4775	-0.03987	0.172322	-0.23136	0.817034	0.865542	513.3558	388.115	445.2681	395.0865	408.5701	498.4698
25954	LOC119625	42.84057	-0.04027	0.424923	-0.09477	0.924498	0.946975	46.07734	36.67659	46.614	33.4819	62.03421	32.15934
24554	E2F3	945.3192	-0.0404	0.125147	-0.3228	0.746848	0.808624	944.8565	1061.432	870.3599	930.797	902.7047	961.7654
24297	DPY30	1399.885	-0.04047	0.111165	-0.36251	0.716974	0.784457	1342.206	1403.016	1510.433	1491.061	1339.083	1313.508
24007	PHRF1	3521.964	-0.04048	0.099878	-0.40534	0.685227	0.75881	3571.807	3644.12	3504.399	3513.368	3144.493	3753.598
24407	SIPA1L3	2481.717	-0.04057	0.117283	-0.3459	0.729418	0.794508	2284.352	2884.313	2383.576	2406.233	2370.135	2561.693
24377	CHMP4A	1404.036	-0.04065	0.116236	-0.34975	0.726523	0.792313	1366.6	1584.21	1318.411	1374.99	1435.343	1344.663
24865	BTN2A2	472.4065	-0.04066	0.149826	-0.27141	0.786074	0.840449	441.2583	534.8213	459.1827	484.3716	470.6043	444.2009
24421	TK2	1816.633	-0.04076	0.119045	-0.3424	0.732047	0.796915	1954.763	1673.438	1904.912	1761.148	1625.724	1979.81
24916	MAPK1IP1	3153.246	-0.04082	0.156066	-0.26158	0.793643	0.846806	2671.944	4143.907	2778.751	2991.05	3086.737	3247.089
24133	SLC25A30	1469.07	-0.04089	0.106198	-0.385	0.700238	0.771408	1464.175	1547.533	1463.123	1377.222	1409.674	1552.693
24168	CISD2	1904.592	-0.04118	0.10835	-0.38009	0.70388	0.774274	1924.949	1883.097	1980.051	1993.289	1965.843	1680.326
26020	LOC103225	26.98521	-0.04129	0.497224	-0.08304	0.933821	0.954098	33.06727	24.08612	25.74206	22.32127	23.53022	33.16432
23944	LOC103235	11720.08	-0.04134	0.099333	-0.41621	0.677254	0.751955	11566.5	12865.27	11237.45	11647.24	10620.68	12383.36
25249	ZFPM1	240.8547	-0.04152	0.199908	-0.20769	0.835471	0.879678	200.572	276.443	255.3334	234.3733	250.2759	228.1303
24817	MAP4K4	20317.9	-0.04156	0.149564	-0.27784	0.781134	0.836777	17457.89	26735.59	17638.88	19892.72	19329	20853.32
24718	LOC119625	560.4862	-0.04163	0.140686	-0.29588	0.767322	0.825324	610.9313	521.6835	576.0656	544.639	517.6648	591.9329
24200	TANK	1513.604	-0.04173	0.111633	-0.3738	0.708553	0.778383	1459.297	1687.671	1456.861	1549.096	1484.543	1444.155
23271	EIF3M	9055.098	-0.04193	0.080854	-0.51862	0.604023	0.690042	9177.522	9066.234	9311.669	9013.329	9185.341	8576.495
25861	LOC103248	56.99009	-0.04208	0.38242	-0.11002	0.91239	0.937935	60.17159	55.28859	59.8329	31.24978	62.03421	73.3635
24204	MGA	7438.695	-0.04209	0.112684	-0.37355	0.708741	0.778461	6958.763	8780.485	6903.047	7243.252	7266.559	7480.062
24014	AKAP13	14498.03	-0.04212	0.104131	-0.40453	0.685822	0.759261	14232.48	16438.78	13462.4	13801.24	13754.48	15298.8
24662	ZC2HC1A	1092.553	-0.04215	0.13768	-0.30614	0.759499	0.81872	998.5231	1305.03	1023.421	1017.85	1090.946	1119.547
23407	LAPTM4A	8198.306	-0.04231	0.084995	-0.49785	0.618587	0.702573	8412.096	8045.859	8503.925	7792.355	7942.518	8493.081
23672	EEF1D	12566.72	-0.04233	0.092374	-0.45827	0.646758	0.726346	13488.74	11610.06	13157.67	12196.34	12199.35	12748.16
25126	AMIGO1	227.0086	-0.04236	0.186463	-0.22716	0.820297	0.86793	238.518	243.0508	210.1109	225.4448	211.772	233.1552
23544	RAP2A	4446.11	-0.04249	0.088973	-0.47752	0.632989	0.714747	4324.765	4777.81	4433.896	4359.344	4316.725	4464.119
25629	LOC119624	118.5489	-0.04254	0.291801	-0.14579	0.884086	0.917064	99.74389	143.4219	114.7957	136.1597	134.764	82.40832
23466	SNURF	3273.11	-0.04258	0.086912	-0.48987	0.624226	0.707195	3392.376	3354.54	3217.758	3243.281	3176.579	3254.124
24112	HYOU1	12492.08	-0.0428	0.110147	-0.38855	0.697611	0.769122	12323.25	14064.65	11650.72	11990.99	11292.37	13630.54
24631	GIGYF2	6439.642	-0.04288	0.138111	-0.31049	0.756187	0.816176	5880.011	8068.303	5660.47	6227.634	5942.449	6858.985
26184	LOC103248	11.81384	-0.04306	0.736437	-0.05847	0.953372	0.967973	15.7205	8.758589	11.1317	13.39276	12.83466	9.044815
24606	ALG3	907.9331	-0.04307	0.136645	-0.31523	0.752591	0.81312	855.4123	1021.47	891.2319	921.8684	780.7754	976.84
26224	LOC103225	9.33001	-0.04309	0.824666	-0.05225	0.958326	0.971518	11.38381	11.49565	5.565851	8.928508	8.556443	10.04979
23795	NR2C1	1706.158	-0.04314	0.098763	-0.43684	0.662226	0.739748	1746.602	1793.869	1655.841	1638.381	1687.758	1714.495
24375	CHD6	4021.916	-0.04315	0.123239	-0.3501	0.726267	0.792115	3712.207	4797.517	3739.556	3926.311	3719.913	4235.988
23867	ZYG11B	3093.261	-0.0432	0.101101	-0.42733	0.669143	0.745314	3224.33	3136.122	3065.392	2999.979	2802.235	3331.507
24054	PTPN2	2543.167	-0.04336	0.10911	-0.3974	0.69107	0.763786	2348.86	2824.098	2567.944	2470.965	2665.332	2381.801
25353	FAM167A	165.1486	-0.04344	0.229507	-0.18926	0.849892	0.891157	144.7371	201.4475	157.2353	151.7846	166.8506	168.8366
24259	LRRCS7	728.4462	-0.04345	0.118261	-0.3674	0.713317	0.781712	738.3216	735.7215	745.824	696.4236	718.7412	735.645
26223	LOC103225	9.386079	-0.04346	0.830224	-0.05235	0.958253	0.971482	8.131296	7.116354	13.2189	13.39276	6.417332	8.039836
24295	PCF11	6343.579	-0.04349	0.119842	-0.36291	0.716676	0.784228	5863.206	7625.447	5830.229	6158.438	6122.135	6462.018
24460	SIPA1L1	1309.464	-0.04356	0.129415	-0.33661	0.736411	0.800388	1234.331	1530.016	1226.574	1223.206	1257.797	1384.862
24350	CBY1	672.5542	-0.0437	0.123378	-0.35418	0.7232	0.78958	687.3655	695.7604	663.7277	698.6557	639.5941	650.2217
24866	KLHL17	748.2599	-0.04389	0.162118	-0.27074	0.786595	0.840972	788.1936	634.9977	858.5325	799.1015	611	



23587	FLOT1	2832.647	-0.04437	0.094288	-0.47056	0.637954	0.719041	2748.378	3063.317	2817.712	2736.588	2812.931	2816.957
23705	PSMC1	5597.825	-0.04439	0.098006	-0.4529	0.650624	0.72964	5520.065	6247.064	5285.471	5325.855	5608.748	5599.746
26061	LOC103221	20.07036	-0.04444	0.584473	-0.07603	0.939397	0.958279	14.09425	27.37059	19.48048	17.85702	23.53022	18.08963
24121	PIK3CA	2600.937	-0.04465	0.115279	-0.38735	0.698494	0.769848	2520.16	3008.028	2396.795	2435.251	2603.298	2642.091
26050	LOC119615	20.46187	-0.04467	0.573502	-0.07789	0.937919	0.957195	25.47806	14.23271	22.2634	22.32127	21.39111	17.08465
26100	LOC103224	16.77456	-0.04483	0.635905	-0.07049	0.943802	0.96134	18.43094	14.23271	18.08902	11.16063	25.66933	13.06473
25572	LOC119621	124.0443	-0.04483	0.288842	-0.15519	0.876668	0.911427	155.5788	95.79707	128.0146	89.28508	136.9031	138.6872
23961	LOC103241	1091.121	-0.04483	0.108556	-0.41299	0.679611	0.754023	1112.903	1099.75	1112.474	1120.528	1009.66	1091.408
24580	LOC103223	516.0255	-0.04492	0.140743	-0.31913	0.749627	0.810774	564.3119	481.7224	526.6686	522.3177	485.5781	515.5545
25614	NME5	74.6312	-0.04517	0.304425	-0.14837	0.882055	0.915478	71.5554	73.90059	80.70484	75.89232	83.42532	62.30873
23898	DNM1L	5802.42	-0.04528	0.107066	-0.42296	0.672324	0.74791	5688.654	6680.614	5310.518	5803.53	5593.774	5737.428
24851	SLFN12	283.3686	-0.04541	0.16597	-0.27359	0.784401	0.839109	281.3428	287.9386	295.6858	267.8552	275.9453	291.444
25934	LOC119622	43.89814	-0.0455	0.458354	-0.09926	0.920928	0.944009	62.33993	23.53871	48.00546	44.64254	40.6431	44.2191
24665	RMI1	538.3031	-0.04557	0.149033	-0.30577	0.759783	0.818927	532.8709	612.0064	498.1437	486.6037	528.3603	571.8333
23130	LOC103222	11583.75	-0.04562	0.084519	-0.53974	0.589375	0.677411	11855.97	11200.05	12240.7	11562.42	11688.1	10955.28
24197	YY1AP1	1982.26	-0.04565	0.122052	-0.37403	0.708382	0.778292	1888.629	2332.522	1820.729	1950.879	1888.835	2011.969
24456	DNAJC1	956.2373	-0.04587	0.136078	-0.33705	0.736077	0.800156	877.6378	1133.142	903.0593	933.0291	951.9042	938.6508
24417	NUDT9	786.6661	-0.04587	0.133343	-0.34381	0.730992	0.795898	747.5371	903.7769	745.1283	805.7978	752.967	764.7894
24257	RELA	1747.444	-0.04589	0.124814	-0.36768	0.713113	0.781537	1638.727	1996.411	1696.193	1645.078	1595.777	1912.476
23977	DRAM2	2195.66	-0.04605	0.112274	-0.41019	0.681664	0.75578	2052.881	2509.883	2126.851	2216.502	2175.476	2092.367
24135	RAP1A	1598.645	-0.04614	0.119922	-0.38472	0.700448	0.77158	1417.556	1799.89	1655.841	1595.971	1533.742	1588.873
23660	ZNF445	2523.027	-0.04618	0.100218	-0.46083	0.644919	0.724648	2598.762	2663.158	2433.668	2339.269	2447.143	2656.161
25450	LOC103243	100.8952	-0.04634	0.269069	-0.17223	0.863256	0.901755	102.9964	116.0513	88.35788	91.51721	106.9555	99.49297
24110	ZFPL1	1296.871	-0.04635	0.119214	-0.38878	0.697436	0.769011	1205.6	1467.611	1280.146	1319.187	1219.293	1289.389
23911	DCTN4	4696.974	-0.04636	0.11009	-0.42107	0.673701	0.749023	4376.805	5410.071	4534.081	4511.129	4451.489	4898.27
23784	ATP5F1C	5686.968	-0.04639	0.105739	-0.43876	0.660836	0.738662	6067.031	5038.378	6230.97	5660.674	5486.819	5637.935
26190	LOC119621	10.02376	-0.04659	0.801538	-0.05813	0.953644	0.968057	10.29964	13.6853	6.261582	11.16063	10.69555	8.039836
23937	CNIH1	3712.349	-0.04666	0.111752	-0.4175	0.676311	0.751112	3998.971	3242.32	4075.594	3674.081	3679.27	3603.856
24252	LOC119622	1007.433	-0.04668	0.126837	-0.36803	0.71285	0.781425	1064.116	1057.6	955.2392	906.2436	951.9042	1109.497
26217	LOC103246	7.961808	-0.04702	0.881105	-0.05337	0.957441	0.970881	8.131296	7.116354	9.044508	11.16063	4.278221	8.039836
24301	GEMIN8	550.4992	-0.04703	0.130112	-0.36145	0.717763	0.785233	569.1907	550.1489	560.7595	540.1747	521.943	560.7785
24980	ZKSCAN4	225.4779	-0.04703	0.188494	-0.24952	0.802961	0.854552	247.1914	206.9217	232.3743	225.4448	228.8848	212.0507
24346	CHP1	3453.506	-0.04717	0.13288	-0.35497	0.722613	0.789073	3146.269	4213.976	3173.231	3147.299	3351.986	3688.275
23382	CDS2	7639.373	-0.04719	0.094094	-0.50148	0.616031	0.700389	7896.03	7992.212	7412.322	7160.663	7204.525	8170.483
24153	SCOC	2783.414	-0.04738	0.123896	-0.38241	0.70216	0.772861	3044.357	2357.703	3084.177	2694.177	2874.965	2645.106
23422	NUP62CL	1859.942	-0.04749	0.095769	-0.49592	0.619948	0.703677	1873.45	1908.278	1886.823	1821.416	1905.948	1763.739
23611	FAM50A	4552.308	-0.04752	0.101741	-0.46707	0.640452	0.721122	4437.519	5104.615	4343.451	4352.648	4355.229	4720.389
24585	DHCR7	5672.276	-0.04763	0.149411	-0.31879	0.749887	0.810894	6527.262	4644.789	6132.872	5245.498	4849.364	6633.869
24213	SEMA4F	1285.301	-0.04766	0.128284	-0.37156	0.710223	0.77981	1344.916	1214.159	1367.808	1218.741	1123.033	1443.151
24471	CAMK2N2	1106.413	-0.04774	0.142386	-0.33525	0.737434	0.801139	956.2404	1329.116	1090.211	1095.974	1035.33	1131.607
24059	NDUFS2	5376.565	-0.04779	0.120832	-0.39552	0.692457	0.765159	5913.62	4943.676	5547.066	5252.195	4599.088	6003.747
25914	FAM170A	37.87904	-0.04792	0.46664	-0.1027	0.918204	0.94198	47.7036	35.58177	31.30791	26.78552	57.75599	28.13943
24684	POP7	1930.098	-0.04799	0.158937	-0.30195	0.762692	0.82143	2175.935	1439.146	2271.563	1946.415	1880.278	1867.252
26109	KCNC4	12.61442	-0.04803	0.693673	-0.06924	0.944797	0.961992	11.9259	14.78012	11.82743	13.39276	10.69555	13.06473
23964	ZNF3	1432.141	-0.04813	0.11672	-0.41236	0.680079	0.754461	1467.97	1553.007	1352.502	1330.348	1343.361	1545.658
25923	LOC103231	30.87444	-0.04825	0.478963	-0.10075	0.919752	0.94324	24.93597	29.01283	39.65669	29.01765	38.50399	24.11951
23353	VEZT	7721.06	-0.04835	0.095611	-0.50565	0.613099	0.697951	7603.846	8634.874	7313.528	7517.804	7518.974	7737.337
23995	EEF2K	1280.458	-0.04835	0.118746	-0.40717	0.683884	0.757702	1306.97	1386.047	1218.226	1196.42	1187.206	1387.877
23322	EXTL2	1964.23	-0.04844	0.094869	-0.51063	0.609608	0.694899	2053.423	1934.006	2005.098	1962.04	1878.139	1952.675
23901	DNAJC4	1167.296	-0.0485	0.114707	-0.42282	0.672429	0.747941	1135.671	1207.59	1222.4	1149.545	1052.442	1236.125
24463	ABHD3	482.7838	-0.04851	0.144349	-0.33606	0.736826	0.800736	517.1504	453.257	499.5351	499.9964	485.5781	441.186
23395	HMG20A	1909.326	-0.04878	0.097604	-0.49972	0.617271	0.701442	1877.787	2045.131	1903.521	1863.826	1848.192	1917.501
25782	LOC119611	53.82232	-0.04879	0.399823	-0.12203	0.902872	0.930994	39.5723	72.80577	50.78839	49.10679	68.45154	42.20914
24774	SCO2	681.711	-0.0488	0.170561	-0.28613	0.774781	0.831418	765.426	566.5712	752.7813	647.3168	573.2817	784.889
24884	GPR155	248.0669	-0.04882	0.181558	-0.26887	0.788029	0.841897	258.5752	264.3999	234.4615	218.7484	260.9715	251.2449
25516	BDKRB1	95.12888	-0.04925	0.302681	-0.16271	0.870749	0.907376	91.6126	119.8832	77.22618	89.28508	113.3729	79.39338
26222	LOC119621	8.548095	-0.04925	0.936555	-0.05259	0.958061	0.971323	9.215468	7.116354	9.044508	8.928508	14.97377	2.009959
24025	ALMS1	3305.138	-0.0493	0.122424	-0.40273	0.687147	0.760334	3034.599	3945.744	3107.136	3127.21	3185.136	3431
26130	LVRN	11.79303	-0.04935	0.742697	-0.06645	0.947022	0.963512	11.38381	14.23271	9.740239	13.39276	14.97377	7.034856
24655	LARP7	2325.778	-0.04948	0.161281	-0.30678	0.759008	0.81839	2057.76	3083.571	1953.614	2281.234	2393.665	2184.825
23320	CUNH6orf1	4930.753	-0.04959	0.097103	-0.51071	0.609555	0.694898	4965.511	5373.942	4712.189	4674.074	4693.209	5165.594
24796	SLC25A22	1345.502	-0.04974	0.176567	-0.28171	0.778163	0.834307	1576.929	975.4879	1557.047	1287.937	1204.319	1471.29
25031	TAF3	656.0932	-0.04976	0.206867	-0.24052	0.809926	0.860185	531.2446	929.5053	540.5833	676.3345	626.7594	632.1321
24147	SRR	1256.683	-0.04988	0.13006	-0.38354	0.701317	0.772125	1170.364	1480.202	1186.918	1209.813	1189.346	1303.458
26331	TRNAN-GL	3.241522	-0.04996	1.35566	-0.03686	0.9706	0.979926	2.168345	2.189647	5.565851	2.232127	4.278221	3.014938
26421	LOC119621	1.457179	-0.04999	2.022877	-0.02471	0.980284	0.986369	2.710432	1.094824	0.695731	2.232127	0	2.009959
23301	LOC103215	3255.129	-0.05005	0.097407	-0.51378	0.607403	0.693009	3241.134	3451.431	3247.674	3209.799	2964.807	3415.925
26112	LOC119621	12.52289	-0.05058	0.732187	-0.06908	0.944929	0.962045	15.7205	12.04306	9.740239	15.62489	14.97377	7.034856
24294	METTL14	1659.131	-0.05058	0.139337	-0.36303	0.716582	0.784158	1566.63	2040.751	1458.253	1562.489	1634.281	1692.385
24501	POLR3C	570.7856	-0.05059	0.153037	-0.33057	0.740973	0.803975	551.3018	648.683	546.8449	540.1747		



24256	MCCC2	2145.812	-0.05113	0.139032	-0.36775	0.713058	0.781524	2023.066	2657.684	1872.213	2022.307	2085.633	2213.97
25613	PGM2L1	57.232	-0.05121	0.345004	-0.14844	0.881996	0.915467	48.78777	63.49977	61.92009	58.0353	59.8951	51.25395
25889	CUNH9orf	30.6656	-0.05137	0.485137	-0.10588	0.915679	0.940296	39.5723	25.18094	29.91645	22.32127	27.80844	39.1942
25505	LOC119620	93.56145	-0.05141	0.315268	-0.16308	0.870457	0.907219	69.92914	124.2625	90.44508	91.51721	104.8164	80.39836
24887	LOC103221	231.7966	-0.05149	0.192095	-0.26805	0.788658	0.842467	229.8446	264.3999	213.5895	243.3018	207.4937	232.1503
24045	MPV17L2	838.4579	-0.05153	0.129104	-0.39916	0.689773	0.762637	820.7188	949.7595	791.7423	819.1906	785.0536	864.2823
24761	GNB2	5147.797	-0.05155	0.178706	-0.28847	0.772985	0.829927	6386.862	3590.474	5746.045	4459.34	4494.272	5809.786
25605	LOC103220	59.95469	-0.05172	0.344437	-0.15015	0.880648	0.914354	59.6295	57.47824	65.39875	75.89232	47.06043	54.26889
24319	RBM48	652.2108	-0.05175	0.144354	-0.35852	0.719951	0.787002	595.7529	760.355	634.507	676.3345	618.203	628.1122
24929	NDUF53	1738.33	-0.05195	0.200853	-0.25865	0.795906	0.848777	2147.204	1094.824	2067.018	1640.613	1798.992	1681.331
24267	IFI35	2205.755	-0.05197	0.141833	-0.36642	0.714049	0.782255	2487.092	1837.661	2417.667	2049.093	1980.816	2462.2
25426	LOC119621	109.5756	-0.05211	0.294819	-0.17675	0.859708	0.898896	123.5957	83.75401	125.2316	120.5349	121.9293	82.40832
23737	VPS13D	6130.895	-0.05218	0.116647	-0.44732	0.654645	0.73319	5948.856	6886.988	5897.715	5477.64	5707.147	6867.025
23659	SENP7	1424.909	-0.05219	0.113227	-0.46096	0.644831	0.724579	1380.694	1577.641	1392.158	1334.812	1497.377	1366.772
23376	RER1	4264.416	-0.05219	0.103906	-0.50231	0.615446	0.699874	4660.859	3965.451	4403.98	4124.971	3935.964	4495.273
24352	ERMARD	810.5213	-0.05224	0.147787	-0.35349	0.72372	0.790083	926.9677	699.0449	853.6624	749.9947	755.1061	878.3521
22939	SLC26A2	2206.714	-0.05224	0.091135	-0.57325	0.566478	0.656516	2239.359	2242.199	2261.127	2147.306	2126.276	2224.02
25647	LOC119615	56.77124	-0.05231	0.366041	-0.1429	0.886365	0.918783	52.58238	72.80577	48.00546	44.64254	66.31243	56.27885
25025	CHAMP1	762.1606	-0.05271	0.218533	-0.2412	0.809397	0.859869	596.295	1107.414	625.4625	638.3883	806.4447	798.9587
23432	LOC103224	4573.243	-0.05278	0.106686	-0.49469	0.620822	0.704351	4332.896	5275.408	4363.627	4417.379	4449.35	4600.796
23943	SPC25	803.7522	-0.0528	0.126792	-0.41642	0.6771	0.751815	774.6414	907.0614	772.9576	794.6372	789.3318	783.884
24481	ZNF480	418.5091	-0.05283	0.158416	-0.3335	0.738759	0.802219	382.1709	470.2267	425.0919	388.3901	449.2132	395.9619
23033	TMED2	16478.61	-0.05291	0.095128	-0.55618	0.578085	0.667089	15784.47	17409.89	17140.04	16723.1	17070.1	14744.05
24903	HDX	189.4299	-0.05294	0.200077	-0.26458	0.791334	0.844782	183.2252	200.9001	192.7176	191.9629	198.9373	168.8366
25904	LOC103215	31.20128	-0.05299	0.508798	-0.10414	0.917054	0.941163	27.10432	45.98259	21.56767	26.78552	40.6431	25.12449
24772	TRMT61A	787.9679	-0.053	0.185039	-0.28642	0.774553	0.83124	954.6141	591.2048	864.7941	772.3159	669.5416	875.3371
24102	KIF3A	2839.983	-0.05304	0.136027	-0.38993	0.69659	0.768353	2590.631	3540.66	2544.985	2700.874	2857.852	2804.898
24376	OSGIN1	1306.029	-0.05313	0.151858	-0.34984	0.726461	0.792294	1464.717	1044.462	1483.995	1299.098	1170.094	1373.807
23100	SSR1	6831.428	-0.05334	0.097935	-0.54465	0.585993	0.6744	6527.804	7704.821	6638.669	6649.506	6875.102	6592.665
24625	ARHGAP4C	346.3102	-0.05338	0.17122	-0.31178	0.755207	0.815317	365.3662	336.6583	360.3888	332.5869	290.9191	391.942
26230	LOC103237	5.779087	-0.05346	1.03876	-0.05147	0.958954	0.971812	5.96295	3.831883	7.653045	8.928508	4.278221	4.019918
24626	ZNF699	315.832	-0.05349	0.171664	-0.31158	0.755363	0.81542	306.2788	365.1237	293.5986	316.962	299.4755	313.5536
23785	KMT5B	2693.279	-0.05381	0.1227	-0.43855	0.660988	0.738779	2601.472	3209.475	2420.449	2571.41	2635.384	2721.484
25767	LOC103233	49.83354	-0.05406	0.433661	-0.12467	0.900784	0.929347	30.89892	72.80577	49.309693	49.10679	38.50399	58.28881
22634	DYNLT1	3330.543	-0.05411	0.087507	-0.61832	0.536365	0.629969	3330.579	3370.962	3474.482	3363.815	3270.7	3172.72
23156	ALDH18A1	5108.75	-0.05411	0.100918	-0.53615	0.591852	0.679466	5226.255	5223.404	5173.458	4763.359	4663.261	5602.761
24116	FAM53B	777.9675	-0.05414	0.13949	-0.38812	0.697927	0.769381	859.749	720.9414	801.4825	765.6196	673.8199	846.1927
23188	ZBTB41	2260.286	-0.05425	0.102037	-0.53167	0.594954	0.682113	2205.749	2481.965	2216.6	2245.52	2297.405	2114.477
23309	GLYR1	5141.238	-0.05437	0.10616	-0.51212	0.60857	0.694102	5103.201	5792.164	4823.506	4979.875	4733.852	5414.829
23193	ETV4	1578.656	-0.05443	0.102608	-0.53051	0.595759	0.682889	1601.865	1676.722	1549.394	1560.257	1471.708	1611.987
23222	SLC50A1	1580.384	-0.05445	0.103473	-0.52621	0.598742	0.685452	1529.768	1639.498	1662.798	1607.131	1465.291	1577.818
25656	LOC119627	43.64996	-0.05446	0.385651	-0.14122	0.887695	0.919838	45.53526	44.88777	42.43961	51.33892	38.50399	39.1942
24270	HOXC4	546.3395	-0.05449	0.148842	-0.36609	0.714295	0.782364	501.972	638.2822	530.1473	535.7105	526.2212	545.7039
24470	ATP5F1D	991.6973	-0.05452	0.162523	-0.33545	0.737287	0.801012	1104.23	763.6395	1163.263	1011.154	956.1825	951.7156
22960	CCDC142	1790.424	-0.05455	0.095747	-0.56977	0.568835	0.658645	1798.643	1796.058	1876.388	1763.38	1792.575	1715.5
25902	LOC103222	23.73468	-0.0546	0.52343	-0.10431	0.916926	0.941068	21.68345	22.44388	27.82925	24.5534	27.80844	18.08963
23253	PPP1CA	9825.894	-0.05461	0.104699	-0.52162	0.601933	0.688187	10528.4	8695.637	10811.67	9843.68	9495.512	9580.469
24768	LOC119627	587.7784	-0.05463	0.190276	-0.28713	0.774009	0.830791	670.5608	434.0976	694.3399	587.0494	515.5257	625.0972
23613	FAM168A	1705.416	-0.05474	0.117249	-0.46689	0.640578	0.721203	1679.384	1947.144	1589.746	1631.685	1610.75	1773.789
23620	LOC119615	897.7655	-0.05477	0.117606	-0.46569	0.641441	0.721923	961.6612	879.6908	904.4508	823.6549	917.6785	899.4566
23644	LOC103245	1337.275	-0.05496	0.118967	-0.46202	0.644069	0.724135	1303.176	1519.068	1266.927	1234.366	1360.474	1339.638
24410	PAQR6	445.4764	-0.05501	0.15933	-0.34526	0.729897	0.794933	491.1303	400.7054	472.4016	453.1218	387.179	468.3204
23637	GTF2IRD1	1730.031	-0.05506	0.118828	-0.46334	0.643118	0.723296	1861.525	1602.274	1831.861	1638.381	1565.829	1880.317
23454	STX17	2398.819	-0.05524	0.112308	-0.49189	0.622794	0.705935	2313.083	2759.503	2263.214	2256.68	2374.413	2426.02
24076	POLL	1208.858	-0.05531	0.140543	-0.39352	0.693932	0.766225	1322.691	1090.444	1289.19	1171.867	1018.217	1360.742
23914	DNAL4	1001.731	-0.05538	0.131591	-0.42085	0.673868	0.749133	1113.445	890.639	1061.686	991.0644	913.4003	1040.154
23085	SCD	71212.95	-0.05542	0.100987	-0.54878	0.583156	0.671542	69640.21	79968.11	68139.93	67533	66030.07	75966.4
24472	CHTF18	611.8749	-0.05567	0.166407	-0.33454	0.737975	0.801694	687.3655	526.0628	663.032	549.1032	541.195	704.4906
23712	CHD8	9077.105	-0.05571	0.12313	-0.45242	0.650968	0.72981	8428.901	10955.9	8375.91	8734.313	8348.949	9618.658
23808	CDK13	5226.631	-0.0558	0.128145	-0.43545	0.663235	0.740596	4784.996	6454.533	4742.801	5243.266	5009.797	5124.39
24336	SAMD1	1913.557	-0.05599	0.156912	-0.3568	0.721244	0.78792	1615.417	2498.935	1737.937	1904.004	1807.549	1917.501
26378	LOC119627	1.833641	-0.05601	1.805738	-0.03102	0.975257	0.982911	1.626259	2.737059	1.391463	2.232127	0	3.014938
25953	LOC119620	20.08404	-0.05601	0.590856	-0.09479	0.924482	0.946975	16.80468	19.70683	24.3506	15.62489	29.94755	14.06971
23653	GOLGA5	2562.903	-0.05602	0.121359	-0.4616	0.644371	0.724254	2483.84	3035.946	2317.481	2428.554	2601.159	2510.439
22640	PPP1CB	20724.4	-0.05629	0.091183	-0.61729	0.537045	0.630625	19855	23118.3	20412.76	19946.29	20603.91	20410.13
23417	ME1	1581.577	-0.05636	0.113485	-0.49659	0.619476	0.70324	1517.842	1716.683	1608.531	1419.633	1544.438	1682.336
25601	SYCP2	59.53436	-0.05639	0.373299	-0.15107	0.879921	0.913742	55.8349	63.49977	60.52863	78.12444	62.03421	37.18424
26208	LOC119620	6.199094	-0.05642	1.026093	-0.05498	0.956153	0.969907	8.673382	4.379295	6.261582	6.696381	2.139111	9.044815
24324	RBM34	896.0952	-0.05643	0.157594	-0.35804	0.720311	0.787266	804.4562	1132.048	802.874	868.2974	917.6785	851.2176
25966	LOC119627	23.62926	-0.05653	0.604225	-0.09357	0.925454	0.947516	24.39389	18.612	28.52499	13.39276	42.78	



25911	NEURL2	23.13101	-0.05729	0.556746	-0.1029	0.918043	0.94188	31.44101	18.612	21.56767	15.62489	21.39111	30.14938
23388	METTL8	999.4413	-0.05732	0.114534	-0.50046	0.616748	0.701033	1070.078	963.4448	1021.334	1015.618	992.5473	933.6259
23896	RNF38	1687.532	-0.05733	0.135474	-0.42321	0.672143	0.747757	1558.498	2041.299	1566.787	1593.739	1567.968	1796.903
25882	LOC119621	25.96315	-0.05734	0.539874	-0.10621	0.915414	0.940191	39.5723	18.06459	21.56767	26.78552	25.66933	24.11951
25765	LOC103224	67.69962	-0.05741	0.458282	-0.12528	0.900305	0.928958	35.7777	120.4306	50.09266	82.5887	62.03421	55.27387
25932	SEPTIN4	25.8849	-0.05742	0.575828	-0.09972	0.920567	0.943748	20.59928	19.15941	38.96096	17.85702	40.6431	18.08963
23686	YAF2	1335.229	-0.05743	0.126163	-0.45523	0.648942	0.728368	1440.866	1296.271	1344.849	1200.884	1514.49	1214.015
26196	TRNAE-CU	7.271623	-0.05749	1.001212	-0.05742	0.954213	0.968383	9.757555	2.189647	10.43597	8.928508	4.278221	8.039836
22628	SLF2	4981.418	-0.05754	0.09291	-0.61931	0.535709	0.62939	5000.747	5477.403	4763.673	4803.537	4949.902	4893.245
25916	LOC119621	29.23813	-0.05763	0.562169	-0.10251	0.918353	0.942059	48.78777	14.23271	26.43779	29.01765	27.80844	29.1444
26152	MCOLN2	11.85316	-0.05773	0.909704	-0.06346	0.949399	0.965119	14.09425	11.49565	9.740239	13.39276	21.39111	1.004979
24051	ZNF26	451.5999	-0.05775	0.145029	-0.39819	0.690488	0.763237	470.531	459.8259	449.4425	421.872	489.8563	418.0715
24150	TAF9B	1039.114	-0.05776	0.150712	-0.38328	0.701511	0.772243	913.4155	1283.681	979.5898	1044.635	1071.694	941.6658
24413	TOP1	4763.53	-0.05798	0.168048	-0.34499	0.730099	0.795055	3982.709	6555.256	4040.112	4450.861	4742.408	4809.832
23274	CUNH2orf4	1290.38	-0.058	0.112091	-0.51741	0.60487	0.69092	1254.93	1406.848	1282.929	1337.044	1270.632	1189.896
22741	PCYT2	5495.356	-0.05813	0.096472	-0.60256	0.546804	0.639232	5682.149	5369.015	5774.57	5334.783	4977.711	5833.906
25958	MMP7	17.72493	-0.05816	0.61741	-0.09421	0.924946	0.947255	15.7205	19.15941	18.78475	26.78552	12.83466	13.06473
22650	BAG6	11976.27	-0.05828	0.094695	-0.61541	0.538282	0.631778	11642.39	12986.25	12032.67	11562.42	10982.19	12651.69
23842	ZNF136	488.0972	-0.05829	0.135106	-0.43145	0.666138	0.742777	509.5612	487.7439	496.0565	468.7467	494.1346	472.3404
24934	CROCC	223.6871	-0.05833	0.226817	-0.25716	0.797052	0.849828	254.7806	192.1415	239.3316	252.2303	160.4333	243.205
25580	LOC103222	46.49669	-0.05833	0.377832	-0.15439	0.877303	0.911735	50.41403	41.6033	50.09266	40.17829	53.47777	43.21412
23077	CBX6	7039.707	-0.05851	0.106429	-0.54976	0.582486	0.671031	7317.624	6729.881	7509.029	6660.667	6284.707	7736.332
23755	ZNF18	630.1092	-0.0586	0.131938	-0.44412	0.656957	0.73526	641.8303	673.8639	616.418	569.1924	616.0639	663.2864
24847	LOC119621	183.6232	-0.05872	0.214345	-0.27396	0.784117	0.838964	189.7302	191.5941	177.4115	194.195	201.0764	147.732
23969	CUNH19orf	429.9622	-0.05883	0.142892	-0.41168	0.680574	0.754852	446.6792	416.033	454.3126	419.6399	414.9875	428.1213
26265	CLDN6	3.661199	-0.05889	1.297361	-0.04539	0.963795	0.975538	2.168345	3.831883	5.565851	2.232127	2.139111	6.029877
22941	SLC35B3	1511.534	-0.05892	0.102821	-0.57302	0.566629	0.656634	1620.838	1507.572	1499.301	1419.633	1529.464	1492.395
25611	LOC103235	45.27183	-0.05908	0.397443	-0.14864	0.881839	0.915359	52.04029	48.71965	38.96096	42.41041	34.22577	55.27387
25020	LOC103238	616.6252	-0.05911	0.243821	-0.24244	0.808442	0.85901	791.9882	349.2487	747.2155	582.5851	609.6465	619.0674
25493	LOC103231	64.16627	-0.05927	0.358176	-0.16547	0.868571	0.905776	57.46116	73.35318	64.70302	89.28508	44.92132	55.27387
24494	FBXW5	1615.788	-0.05932	0.178704	-0.33194	0.739933	0.8031	1986.204	1163.798	1799.161	1656.238	1381.865	1707.46
23749	ZNF260	2343.147	-0.05935	0.133433	-0.4448	0.656462	0.734854	2160.214	2892.524	2119.893	2283.466	2346.604	2256.179
22504	MSH2	2816.203	-0.05937	0.092953	-0.63869	0.523026	0.617875	2860.59	2984.489	2781.534	2676.32	2705.975	2888.311
23088	DYNC1L1I2	6833.482	-0.05942	0.108497	-0.54767	0.583917	0.672359	6822.699	7804.45	6299.848	6511.114	6368.132	7194.648
26143	TRNAD-GU	10.16679	-0.05946	0.918933	-0.0647	0.94841	0.964412	11.9259	4.926706	15.30609	4.464254	4.278221	20.09959
25959	LOC103241	20.84918	-0.05959	0.632395	-0.09423	0.924924	0.947255	17.34676	20.25424	25.04633	22.32127	32.08666	8.039836
26338	TRNAR-UC	2.468113	-0.05963	1.664326	-0.03583	0.971422	0.980494	2.710432	3.284471	1.391463	0	6.417332	1.004979
21786	CD59	11206.7	-0.05965	0.07834	-0.76144	0.446397	0.544717	11440.19	11173.77	11702.2	10781.17	11121.24	11021.61
26427	LOC103221	1.069652	-0.05973	2.496495	-0.02392	0.980914	0.986778	1.084173	2.189647	0	0	2.139111	1.004979
23076	ZBTB40	2979.638	-0.05996	0.109019	-0.54999	0.582328	0.670878	2962.502	3224.803	2943.639	2939.711	2603.298	3203.875
22865	AP3S1	3241.486	-0.05996	0.102744	-0.5836	0.559488	0.650513	3054.115	3627.698	3242.108	3305.78	3135.936	3083.277
23657	GFER	735.8469	-0.06002	0.130113	-0.46125	0.644616	0.724399	755.6684	708.3509	793.8295	716.5128	658.8461	781.874
25119	SAXO1	134.4787	-0.06011	0.263863	-0.22782	0.819782	0.86765	111.6698	174.6244	124.5359	145.0883	128.3466	122.6075
23216	SCYL3	941.2611	-0.06024	0.114256	-0.5272	0.598055	0.684842	1001.776	947.5699	932.28	886.1544	973.2954	906.4915
26279	LOC119621	3.272654	-0.0603	1.37121	-0.04397	0.964926	0.976125	5.96295	2.189647	2.087194	2.232127	2.139111	5.024897
24269	TSEN34	1801.065	-0.06031	0.164678	-0.36622	0.714203	0.78236	2121.184	1371.814	2027.361	1716.506	1578.664	1990.864
23655	STYX	2477.679	-0.06042	0.130948	-0.46137	0.64453	0.724364	2240.985	3040.325	2306.349	2390.608	2489.925	2397.881
25524	LOC119621	52.50991	-0.06061	0.374736	-0.16174	0.87151	0.907756	58.00324	50.36189	51.48412	42.41041	70.59065	42.20914
22538	KLC1	9588.785	-0.06079	0.095753	-0.63491	0.52549	0.619866	10003.66	10409.04	8963.803	9243.238	8992.821	9920.152
25880	LOC103221	22.33381	-0.06082	0.571171	-0.10648	0.915203	0.940163	18.97302	33.39212	16.00182	17.85702	25.66933	22.10955
23004	KHNYN	4502.63	-0.06094	0.108405	-0.56216	0.574007	0.663348	4875.525	4394.075	4531.298	4354.88	3946.659	4913.345
22251	COMMD7	2646.972	-0.06105	0.08927	-0.68388	0.494053	0.590283	2738.62	2619.366	2752.313	2580.339	2571.211	2619.981
25403	LOC103241	106.3117	-0.06107	0.338643	-0.18033	0.856894	0.896695	133.3532	64.59459	127.3188	131.6955	83.42532	97.48301
23220	STK10	2905.646	-0.06111	0.11609	-0.52639	0.598614	0.685335	2978.223	3092.329	2838.584	2821.409	2481.368	3221.964
24087	TPK3	472.7342	-0.06119	0.15604	-0.39214	0.694955	0.767005	479.7464	497.5973	476.576	410.7114	432.1004	539.674
23423	UNKL	1801.356	-0.06138	0.123769	-0.49589	0.619969	0.703677	2035.534	1622.529	1865.952	1725.434	1632.141	1926.546
22603	KIFAP3	2635.128	-0.06139	0.09841	-0.62379	0.532768	0.626652	2629.661	2888.692	2557.509	2482.125	2592.602	2660.181
23460	GPRC5A	851.9159	-0.06148	0.12519	-0.49108	0.623367	0.706403	908.5368	907.0614	793.8295	886.1544	780.7754	835.1379
26075	CIB3	10.1211	-0.06156	0.822376	-0.07485	0.940333	0.958759	6.505036	10.94824	13.91463	4.464254	12.83466	12.05975
22667	ATP2A2	8702.122	-0.06157	0.100603	-0.61203	0.540516	0.633917	8836.008	9419.315	8416.262	8028.961	8096.534	9415.653
23633	DDX59	821.6892	-0.06163	0.132926	-0.46367	0.642881	0.723122	781.1465	949.2121	785.4807	794.6372	842.8096	776.8491
25949	RNF133	15.6578	-0.0619	0.646084	-0.09581	0.923671	0.946284	14.09425	15.87494	18.78475	13.39276	10.69555	21.10457
23419	DYRK1A	5418.038	-0.06207	0.124996	-0.49657	0.619491	0.70324	5009.42	6629.157	4966.826	5127.196	5247.238	5528.392
25799	LOC103221	24.86453	-0.06207	0.516865	-0.12009	0.90441	0.931964	27.6464	21.34906	27.13352	17.85702	32.08666	23.11453
24184	GPSM1	885.8281	-0.06216	0.165003	-0.37673	0.706376	0.776505	1027.796	685.3596	1003.245	870.5295	823.5576	904.4815
23346	SPRTN	730.5034	-0.06221	0.122732	-0.50684	0.612265	0.697209	765.968	770.2084	701.2972	698.6557	744.4105	702.4806
22863	MYO1C	11527.33	-0.06235	0.106779	-0.58389	0.559292	0.650342	12463.65	10973.42	11901.18	10839.21	10297.68	12688.87
24074	ADPRS	1258.242	-0.06242	0.158607	-0.39354	0.693922	0.766225	1533.562	1055.41	1272.493	1147.313	1116.616	1424.056
23298	CDC73	1829.317	-0.06243	0.121357	-0.51444	0.606948	0.692579	1678.299	2150.781	1777.594	1745.523	1826.801	1796.903
26236	LOC103211	5.091235	-0.06265	1.222373	-0.05125	0.959123	0.971881	3.252518	1.642235	10.43597	8.928508	4.278221	



24779	LOC119626	300.597	-0.06322	0.221272	-0.28573	0.775082	0.831574	272.6694	394.6839	253.942	243.3018	346.5359	292.449
22540	MARCHF7	5564.544	-0.06341	0.09992	-0.63464	0.525666	0.620002	5535.786	6242.684	5280.601	5225.409	5722.121	5380.66
22925	RBM10	3135.354	-0.06342	0.110166	-0.57566	0.564847	0.655025	3078.508	3576.789	2961.728	2964.265	2945.555	3285.278
23689	ZNF211	551.6945	-0.06354	0.139656	-0.45501	0.649105	0.728459	585.9954	594.4892	512.754	508.925	541.195	566.8084
25047	LOC103236	118.1398	-0.06371	0.267838	-0.23787	0.811978	0.861803	150.7	108.3875	102.9682	107.1421	124.0684	115.5726
22507	CDCA4	1703.09	-0.06376	0.099877	-0.6384	0.523211	0.61801	1749.313	1757.739	1718.456	1689.72	1563.69	1739.619
26159	TRNAK-UU	6.512187	-0.06382	1.026189	-0.06219	0.950411	0.965852	7.589209	9.306001	3.478657	2.232127	6.417332	10.04979
22237	ZW10	2625.342	-0.06393	0.093211	-0.68591	0.492769	0.58912	2713.684	2781.399	2557.509	2491.054	2573.35	2635.056
23168	LOC103221	2141.154	-0.06411	0.11993	-0.53457	0.592947	0.6804	2418.789	1952.071	2200.598	2049.093	1938.034	2288.338
23670	VWA8	1443.787	-0.06412	0.139789	-0.45871	0.646442	0.726022	1342.206	1768.688	1319.107	1392.847	1328.388	1511.489
22511	PPP2R5D	4317.186	-0.06433	0.10083	-0.63796	0.5235	0.618242	4390.358	4648.074	4208.479	4167.381	3891.042	4597.781
25033	LINC02875	106.8786	-0.06439	0.267855	-0.2404	0.810016	0.860236	105.7068	95.79707	125.2316	120.5349	100.5382	93.46309
23135	PIN1	1873.701	-0.0644	0.11939	-0.53941	0.589602	0.677526	2013.851	1671.248	2064.235	1881.683	1702.732	1908.456
25354	GPC2	81.19845	-0.06442	0.34033	-0.18928	0.849871	0.891157	76.43418	72.80577	98.09812	69.19594	113.3729	57.28383
22689	ARHGFE11	4244.46	-0.06462	0.106017	-0.60955	0.542159	0.63522	4202.254	4610.85	4212.653	4111.578	3747.722	4581.701
24748	ZNF594	174.854	-0.06467	0.223198	-0.28972	0.772029	0.829335	175.636	195.9734	166.2798	133.9276	190.3808	186.9262
24728	TICAM1	194.8552	-0.06467	0.219579	-0.2945	0.768373	0.826102	170.2151	228.8181	200.3706	158.481	203.2155	208.0308
23125	PEX2	1470.066	-0.06472	0.119869	-0.5399	0.589263	0.677401	1559.04	1362.508	1587.659	1312.491	1578.664	1420.036
26158	LOC103224	5.418385	-0.06481	1.039525	-0.06234	0.95029	0.965802	5.96295	4.379295	6.261582	4.464254	6.417332	5.024897
22604	TRIP12	19135.97	-0.06481	0.10391	-0.62369	0.532834	0.626666	18873.28	21809.98	18018.75	18426.21	17592.05	20095.57
25657	LOC103226	33.88375	-0.06489	0.460095	-0.14104	0.887836	0.919892	29.81475	32.84471	40.35242	31.24978	44.92132	24.11951
25301	CUNH11or	63.30654	-0.06502	0.327392	-0.1986	0.842579	0.885336	55.8349	72.25836	66.09448	58.0353	66.31243	61.30375
25630	SORD	43.42336	-0.06504	0.446698	-0.1456	0.884239	0.917187	42.28274	41.6033	47.30973	58.0353	49.19955	22.10955
23344	TRIM44	9335.88	-0.06509	0.128391	-0.50697	0.612179	0.697147	8670.671	11523.57	8448.266	8819.134	8733.989	9819.654
23063	POMT1	1422.39	-0.06525	0.118274	-0.55172	0.58114	0.669887	1533.562	1329.116	1506.954	1319.187	1321.97	1523.549
25856	LOC119621	21.08858	-0.06526	0.590358	-0.11055	0.911977	0.937654	26.56223	12.59047	25.74206	24.5534	14.97377	22.10955
22614	XRN2	7094.21	-0.06537	0.104958	-0.62278	0.533427	0.6271	6912.143	8169.574	6685.978	6689.685	6840.876	7267.007
23339	ATP5MG	2436.08	-0.06538	0.128852	-0.5074	0.611872	0.696912	2678.449	2076.333	2715.44	2544.625	2410.778	2190.855
23912	LOC103238	624.9782	-0.06538	0.155285	-0.42105	0.673722	0.749023	568.6486	763.0921	585.1101	595.9779	631.0376	606.0026
22234	CUNHXorf1	2119.257	-0.06543	0.095252	-0.68696	0.492108	0.588435	2251.285	2183.626	2064.931	2102.664	2074.937	2038.098
25463	LOC119621	51.86297	-0.06555	0.385118	-0.1702	0.864852	0.90296	46.61943	63.49977	48.00546	69.19594	40.6431	43.21412
22170	RAP1B	4551.79	-0.06557	0.094191	-0.6961	0.486365	0.583222	4373.011	5039.473	4551.475	4464.254	4502.828	4379.701
25988	LOC119621	12.54665	-0.06558	0.73228	-0.08956	0.92864	0.949973	12.46799	14.23271	11.1317	11.16063	19.252	7.034856
24732	KIF6	152.1719	-0.06576	0.223679	-0.29401	0.768748	0.826345	146.36345	165.3184	153.7566	171.839	139.0422	136.6772
22686	VPS26A	4653.573	-0.06581	0.107916	-0.60982	0.54198	0.635129	4492.812	5362.994	4426.939	4390.594	4432.237	4815.862
26091	LOC119621	7.248146	-0.06581	0.910557	-0.07228	0.942381	0.960224	7.047123	6.02153	9.044508	8.928508	6.417332	6.029877
23045	LOC103221	1684.725	-0.06583	0.118601	-0.55509	0.578835	0.667752	1626.259	1923.058	1623.837	1649.542	1520.908	1764.744
26138	TRNAV-AA	8.421287	-0.06589	1.006679	-0.06546	0.947811	0.96402	8.131296	6.02153	11.1317	20.08914	2.139111	3.014938
23078	METTL1	735.4891	-0.0659	0.119897	-0.54966	0.58255	0.671076	732.3587	758.7128	763.913	754.4589	708.0456	695.4458
24466	ABHD17A	783.8978	-0.06601	0.196509	-0.33591	0.736937	0.800768	941.604	551.2437	914.191	819.1966	633.1243	814.0334
24752	LOC103241	211.684	-0.06614	0.22897	-0.28885	0.772696	0.82975	174.0097	273.7059	201.0664	227.677	194.6591	198.9859
22721	CNEP1R1	1022.637	-0.06616	0.109298	-0.60535	0.544944	0.63763	1051.648	1031.871	1056.816	1015.618	949.7651	1030.104
23695	SERTAD2	1264.264	-0.0662	0.145782	-0.45412	0.649741	0.728988	1164.402	1542.606	1176.482	1220.973	1112.338	1368.782
25330	LOC103231	77.96149	-0.06624	0.339449	-0.19515	0.845276	0.887156	93.78094	60.76271	86.96642	64.73168	62.03421	99.49297
21743	LAPTM4B	4589.539	-0.06644	0.08621	-0.77063	0.440926	0.539117	4764.397	4789.306	4535.473	4435.236	4363.786	4649.035
25839	LOC119621	20.77419	-0.06648	0.583836	-0.11386	0.909349	0.935603	18.97302	16.42235	28.52499	26.78552	12.83466	21.10457
22687	TBC1D10B	2157.128	-0.06653	0.10911	-0.60971	0.542051	0.635156	2296.278	2294.75	2034.319	2089.271	1950.869	2277.283
22280	MKNK2	5518.176	-0.0666	0.098398	-0.67687	0.498489	0.594809	5775.93	5338.36	5828.837	5439.693	4928.511	5797.727
22672	UBR4	13773.82	-0.06674	0.109137	-0.61149	0.540875	0.634226	14029.74	14626.3	13631.46	12484.29	12351.22	15519.9
26076	LOC103241	9.039801	-0.06675	0.892907	-0.07475	0.94041	0.958767	12.46799	3.284471	11.82743	8.928508	10.69555	7.034856
24517	SHLD1	198.734	-0.06678	0.203355	-0.32838	0.742622	0.805262	221.7133	181.1933	205.2408	200.8914	207.4937	175.8714
21846	PPP1R15B	5748.651	-0.06678	0.088657	-0.75324	0.451309	0.54921	5944.519	6023.172	5683.43	5462.015	5416.228	5962.543
22936	WRNIP1	1709.043	-0.0668	0.116497	-0.57338	0.566391	0.656495	1701.609	1919.226	1630.099	1604.899	1574.385	1824.038
21882	NAA20	2876.748	-0.06686	0.089475	-0.74727	0.4549	0.55267	3020.505	2906.209	2899.808	2839.266	2879.243	2715.455
22505	ZC3H7B	6349.813	-0.06687	0.104735	-0.63846	0.523174	0.617995	6618.332	6551.972	6329.068	6131.653	5527.462	6940.388
24836	TOGARAM	172.0666	-0.06691	0.242659	-0.27572	0.782761	0.837885	185.9356	140.6848	204.545	145.0883	156.1551	199.9909
23639	EFNB2	1418.473	-0.06695	0.144558	-0.46312	0.643276	0.723444	1350.879	1718.873	1289.19	1261.152	1321.97	1568.773
21792	TUBB4B	15018.71	-0.06706	0.088165	-0.76067	0.446857	0.54514	15015.25	16376.37	14715.41	14691.86	14017.59	15295.79
22444	LOC103241	1474.9	-0.06711	0.103241	-0.65003	0.515674	0.610818	1510.253	1461.59	1559.83	1430.793	1375.448	1511.489
22281	IQCE	1982.62	-0.06713	0.099198	-0.67668	0.49861	0.594926	1941.211	2098.229	2051.016	1921.861	1850.331	2033.073
23565	CUNHXorf1	962.3482	-0.06724	0.141637	-0.47475	0.634965	0.71634	964.3717	1128.763	860.6197	1024.546	847.0878	948.7006
25414	LOC119621	50.51779	-0.06749	0.377848	-0.1786	0.858248	0.897794	58.54533	46.53	48.7012	49.10679	62.03421	38.18922
22398	TTL4	2155.078	-0.06753	0.102643	-0.65791	0.510597	0.606047	2214.423	2317.194	2089.977	1997.754	2059.964	2251.154
25393	CASQ2	52.36278	-0.06759	0.369914	-0.18272	0.855016	0.895152	46.61943	57.47824	56.35424	40.17829	66.31243	47.23404
22864	APEX2	1043.308	-0.0677	0.115964	-0.58383	0.559337	0.650367	1087.967	1083.875	1036.64	988.8323	954.0434	1108.492
24268	MLKL	273.1295	-0.06772	0.184897	-0.36627	0.714164	0.782349	245.023	313.1196	281.0755	283.4801	241.7195	274.3594
22956	MAPK7	1112.083	-0.06774	0.118845	-0.57003	0.568658	0.658554	1065.742	1207.043	1144.478	1129.456	986.13	1139.647
22348	OXSRI	3184.203	-0.06776	0.101581	-0.66708	0.504722	0.600413	3249.266	3379.173	3154.446	3133.906	2825.765	3362.661
24185	LRFN4	1031.895	-0.06808	0.180834	-0.37645	0.706579	0.776697	1181.748	760.355	1228.662	1073.653	870.618	1076.333
22110	SLC8A1	21814.19	-0.06826	0.096597	-0.70665	0.479783	0.576863	21736.04	24537.73	20720.97	20680.66	20717.29	22492.45
24016	AVPI1	320.2318	-0.06834	0.169206	-0.4038								



25654	LOC11961f	31.05601	-0.06869	0.485489	-0.14149	0.88748	0.919687	33.06727	29.56024	31.30791	37.94616	36.36488	18.08963
21886	KBTBD2	4105.887	-0.06871	0.092024	-0.74665	0.455274	0.553045	4445.65	4165.256	4003.238	3854.883	4008.693	4157.6
26118	CNR1	6.787156	-0.06875	1.001122	-0.06867	0.945252	0.96218	8.673382	5.474118	6.261582	4.464254	12.83466	3.014938
24707	ZNF670	162.9159	-0.06899	0.231825	-0.29761	0.766004	0.824229	173.4676	169.6977	160.0182	120.5349	166.8506	186.9262
26307	LOC10322f	2.507777	-0.06903	1.703403	-0.04053	0.967673	0.977922	5.96295	1.094824	0.695731	0	4.278221	3.014938
23621	MRPL17	3086.757	-0.0691	0.148374	-0.4657	0.641433	0.721923	3452.006	2380.694	3649.807	3100.424	2932.721	3004.889
26133	LOC11962f	6.158669	-0.06919	1.047304	-0.06606	0.947328	0.963713	9.757555	6.02153	3.478657	2.232127	6.417332	9.044815
25495	LOC10324f	37.3903	-0.06929	0.420713	-0.1647	0.869178	0.906338	42.82482	40.50847	32.00364	35.71403	32.08666	41.20416
22751	TCF4	3015.456	-0.06967	0.115992	-0.60062	0.548093	0.64046	2892.573	3541.754	2833.018	2799.087	2936.999	3089.307
25298	LOC10324f	62.70885	-0.06978	0.350154	-0.19928	0.842044	0.884847	75.35001	69.5213	48.7012	53.57105	57.75599	71.35354
21798	GALNT1	6896.071	-0.0699	0.091975	-0.76001	0.44725	0.545469	7012.429	7506.111	6675.543	6582.542	6498.618	7101.185
23176	TRIM9	549.2509	-0.07012	0.1314	-0.53364	0.59359	0.680936	578.4062	574.7824	535.0174	524.5498	539.0559	543.6939
22961	YTHDC2	1894.857	-0.07033	0.123458	-0.56965	0.568913	0.658706	1788.343	2221.397	1817.25	1814.719	1730.541	1996.894
23332	ATG3	3168.945	-0.0704	0.138334	-0.50888	0.610835	0.695992	2812.344	3926.585	2995.124	3194.174	3300.648	2784.798
22236	CRIPT	1255.756	-0.07043	0.102586	-0.6865	0.492396	0.588701	1270.65	1305.577	1280.841	1229.902	1255.658	1191.906
22776	SIRT5	1081.574	-0.07043	0.118065	-0.59655	0.550805	0.642926	1174.159	999.0266	1152.131	1051.332	1037.469	1075.328
21992	POLR2F	2476.386	-0.07052	0.096741	-0.72896	0.466029	0.563333	2591.173	2411.349	2605.514	2555.785	2350.883	2343.612
25350	LOC11962f	133.4073	-0.07069	0.372025	-0.19002	0.849292	0.890668	90.52842	214.038	103.664	109.3742	190.3808	92.45811
22927	DCLRE1C	813.3651	-0.07084	0.123118	-0.57535	0.565055	0.65521	844.0285	883.5227	772.2618	754.4589	829.9749	795.9437
25924	LOC11962f	15.15195	-0.07088	0.7043	-0.10064	0.919838	0.943285	19.51511	14.23271	13.2189	4.464254	21.39111	18.08963
22559	LOXL1	7784.563	-0.07102	0.112515	-0.6312	0.52791	0.622124	8514.551	7081.867	8339.036	7491.018	6894.354	8386.554
22414	KLHDC2	2152.757	-0.07103	0.108504	-0.65459	0.51273	0.608191	2320.13	2003.527	2298.696	2013.379	2040.712	2240.099
25825	LOC10323f	19.30913	-0.07105	0.610589	-0.11636	0.907366	0.934069	21.14137	17.51718	20.17621	31.24978	10.69555	15.07469
24514	LOC11962f	756.297	-0.07112	0.215852	-0.32951	0.741773	0.80444	1003.402	498.6922	825.1374	687.4951	690.9327	832.123
23221	LOC10323f	647.5422	-0.07113	0.135123	-0.52641	0.598606	0.685335	654.8403	709.9931	627.5497	660.7096	566.8643	665.2964
22902	NIBAN2	16591.59	-0.07115	0.122874	-0.57907	0.562542	0.653008	18526.34	14683.23	17799.59	16019.98	14252.89	18267.51
23706	LOC10323f	1558.755	-0.07127	0.157365	-0.45292	0.650608	0.72964	1743.35	1492.792	1564.004	1412.936	1229.989	1909.461
22665	DERPC	3926.314	-0.07145	0.116671	-0.61236	0.540297	0.633716	4515.037	3540.112	4020.632	3676.313	3647.184	4158.605
26197	LOC10324f	3.963869	-0.07157	1.26628	-0.05652	0.95493	0.969037	1.626259	4.926706	5.565851	2.232127	6.417332	3.014938
23050	BRD2	13915.69	-0.0716	0.12919	-0.55421	0.579435	0.668264	12606.76	17367.19	12811.2	13399.46	12920.23	14389.3
22657	CHTF8	3926.546	-0.07161	0.11667	-0.61379	0.539355	0.632862	4515.037	3540.112	4022.023	3676.313	3647.184	4158.605
22644	FLNA	164872.9	-0.07199	0.11675	-0.61661	0.537495	0.631042	179093.4	151116.3	176756.1	154650.7	143110.8	184510.2
26394	LOC11962f	1.478906	-0.07199	2.483888	-0.02898	0.976878	0.983965	1.626259	0	2.782925	4.464254	0	0
26234	LOC11962f	3.211832	-0.07199	1.401041	-0.05139	0.959018	0.971812	3.252518	2.189647	4.174388	2.232127	6.417332	1.004979
24248	DIPK1B	836.0157	-0.07209	0.195621	-0.36854	0.71247	0.781137	1036.469	589.0151	948.2819	763.3874	759.3843	919.5562
23472	SETD6	819.5993	-0.07227	0.147916	-0.48862	0.625109	0.708014	782.2306	982.0568	757.6515	839.2797	710.1847	846.1927
23512	KTI12	423.8651	-0.07229	0.150108	-0.48157	0.630111	0.712465	478.1202	410.0114	416.0474	408.4792	406.431	424.1013
25182	LOC11962f	74.51894	-0.07234	0.333399	-0.21696	0.828238	0.874382	89.98634	56.38342	84.1835	66.96381	64.17332	85.42325
24930	LOC10322f	104.7219	-0.07238	0.280294	-0.25821	0.796243	0.849068	120.8853	85.39624	115.4914	89.28508	119.7902	97.48301
22867	CDKN3	1007.599	-0.07239	0.124069	-0.58348	0.559571	0.650564	999.0652	999.0266	1095.081	1026.778	1050.303	875.3371
22945	LOC10321f	1695.664	-0.07256	0.12694	-0.5716	0.56759	0.657632	1905.434	1486.77	1826.991	1607.131	1565.829	1781.829
22570	ABLIM3	5996.273	-0.0727	0.115451	-0.62971	0.528882	0.622966	5637.698	7124.017	5683.43	5767.816	5565.966	6198.713
21803	NECTIN3	3264.611	-0.0727	0.09574	-0.75939	0.447617	0.545792	3209.151	3594.306	3240.021	3089.264	3161.606	3293.318
24664	BRICD5	191.8259	-0.07273	0.23772	-0.30594	0.759654	0.818821	222.7975	146.159	222.634	187.4987	166.8506	205.0158
23211	PHLDA2	646.2873	-0.07286	0.138006	-0.52795	0.597533	0.684391	683.0288	599.4159	708.9503	624.9956	583.9772	677.3562
22338	NAPB	1147.292	-0.07334	0.109705	-0.66853	0.503794	0.599577	1134.045	1248.646	1146.565	1149.545	1082.39	1122.562
22021	SUB1	4858.215	-0.07341	0.101629	-0.72231	0.470102	0.567533	4988.821	4629.462	5320.954	5002.197	4864.338	4343.521
24100	IGFLR1	219.6218	-0.0735	0.188055	-0.39083	0.695922	0.76768	220.6292	219.5121	235.8529	232.1412	192.52	217.0756
21984	NRAS	8154.005	-0.07358	0.100751	-0.73029	0.465211	0.562574	7892.778	9389.755	7801.932	7908.426	8043.056	7888.084
25996	TRNAR-AC	10.54951	-0.07359	0.843687	-0.08722	0.930494	0.951558	15.17842	4.379295	12.52316	15.62489	8.556443	7.034856
25512	NICALD	35.68529	-0.07368	0.453084	-0.16261	0.870824	0.907376	42.82482	34.48694	32.00364	49.10679	23.53022	32.15934
22114	NEDD4	8532.412	-0.07369	0.104353	-0.70619	0.480067	0.577101	8344.878	9862.719	8046.133	8071.371	8169.264	8700.107
22659	ZNF605	1014.73	-0.07379	0.120277	-0.61347	0.539564	0.633051	1033.217	1139.711	948.2819	986.6001	994.6865	985.8849
23483	PABIR1	798.2596	-0.07383	0.151531	-0.48724	0.626087	0.708768	744.8267	989.7206	721.4734	774.5481	770.0798	788.9089
21888	PAIP2	4683.378	-0.0741	0.099288	-0.74631	0.455478	0.55322	4453.24	5269.934	4684.359	4656.217	4639.731	4396.785
23225	TBL3	1628.281	-0.07417	0.141069	-0.52576	0.599057	0.685724	1810.568	1419.986	1785.942	1562.489	1379.726	1810.973
25167	LOC10322f	63.04429	-0.07431	0.338802	-0.21932	0.826402	0.872965	62.88202	77.73248	52.87558	58.0353	68.45154	58.28881
23023	RPGRIP1L	1986.554	-0.07437	0.133096	-0.55874	0.576342	0.665511	1834.962	2451.858	1826.295	1926.326	1925.2	1954.685
26214	TRNAY-GU	3.958	-0.07438	1.386625	-0.05364	0.957222	0.97077	0.542086	8.758589	2.782925	2.232127	6.417332	3.014938
23680	MOAP1	327.2851	-0.07443	0.163088	-0.45636	0.648128	0.727639	360.4874	338.3005	307.5133	334.819	308.0319	314.5586
23319	KIAA1328	917.8097	-0.07447	0.145769	-0.51085	0.609456	0.694815	875.4695	1117.815	833.4862	857.1368	864.2007	958.7504
25507	GPR157	44.48803	-0.07448	0.456872	-0.16302	0.8705	0.907219	43.36691	38.86624	52.87558	69.19594	38.50399	24.11951
23097	AP3B2	585.4079	-0.07453	0.136681	-0.54526	0.585576	0.674007	585.9954	642.6615	576.0656	524.5498	571.1425	612.0325
23646	SS18L2	735.438	-0.07454	0.161349	-0.462	0.644081	0.724135	806.0824	590.6573	867.577	696.4236	727.2976	724.5902
24208	UPF3B	514.7304	-0.07464	0.199983	-0.37322	0.708983	0.778599	453.7263	700.1397	427.8748	542.4069	506.9692	457.2657
23154	CUNH2orf	776.6326	-0.07469	0.139249	-0.53634	0.591721	0.679403	850.5335	715.4672	823.0502	687.4951	855.6443	727.6051
22973	IPPK	722.6657	-0.07487	0.131699	-0.5685	0.569696	0.659256	816.9242	699.0449	710.3417	660.7096	712.3239	736.65
21571	XBP1	4338.499	-0.07487	0.094348	-0.79359	0.427434	0.526787	4413.667	4744.966	4198.043	4196.399	4060.032	4417.89
23240	ZC3H14	5419.097	-0.0749	0.143176	-0.52313	0.600883	0.687341	4829.447	7011.251	4839.507	5310.23	5026.91	5497.238
21639	POLR2M	1704.909	-0.07491	0.095595	-0.78367	0.433233	0.532237	1781.296	1712.304	1754.635	1636.149	1672.785	1672.286
20461	RCAN1	18354.49	-0.07507	0.078836	-0.95228								



25555	LOC103231	29.35802	-0.07539	0.480199	-0.157	0.875246	0.910523	30.89892	25.18094	33.39511	33.4819	32.08666	21.10457
22611	LOC103247	833.3588	-0.07552	0.121228	-0.62298	0.533296	0.626997	820.7188	902.1347	839.052	861.601	812.8621	763.7844
23031	LOC103231	738.359	-0.07562	0.135842	-0.55668	0.577743	0.666897	725.8536	822.76	724.9521	638.3883	793.6101	724.5902
21421	TPM3	15368.37	-0.07571	0.092945	-0.81455	0.415328	0.515413	15046.69	17306.42	14963.79	14758.82	14717.08	15417.39
24605	LOC119621	447.7146	-0.07572	0.239991	-0.3155	0.752385	0.81293	475.4097	291.7705	613.6351	441.9611	370.0661	493.4449
24588	PLIN1	172.6305	-0.07577	0.237941	-0.31842	0.750167	0.811109	217.3766	139.59	175.3243	165.1774	160.4333	177.8814
22452	PORVA	3820.462	-0.07577	0.116723	-0.64918	0.516222	0.611248	3675.346	4473.997	3617.803	3488.814	3625.793	4041.022
25050	LOC119621	71.08066	-0.07583	0.319192	-0.23755	0.812227	0.861998	69.92914	72.25836	78.61764	62.49956	57.75599	85.42325
23484	CCDC77	560.2078	-0.07594	0.155586	-0.48723	0.626094	0.708768	512.2716	672.2217	538.4961	535.7105	583.9772	518.5694
23051	LZIC	1850.255	-0.0761	0.137328	-0.55418	0.579456	0.668264	1720.582	2305.699	1669.755	1796.862	1826.801	1781.829
25491	LOC103221	33.55778	-0.07611	0.459327	-0.1657	0.868394	0.905663	41.19856	28.46541	34.78657	29.01765	25.66933	42.20914
22451	LOC103247	2476.531	-0.07614	0.117268	-0.64927	0.516161	0.611204	2347.234	2908.946	2372.444	2350.43	2329.492	2550.638
23722	F8A1	996.2317	-0.07617	0.169221	-0.45011	0.652629	0.731364	867.8803	1306.125	894.7105	1006.689	874.8963	1027.089
23482	LOC119621	6619.517	-0.0763	0.156557	-0.48736	0.626006	0.708729	8201.225	4948.603	7236.302	6162.903	6288.985	6879.084
22117	ATP11A	2741.355	-0.07643	0.108241	-0.70608	0.480141	0.577137	2630.203	3096.161	2718.918	2709.802	2477.09	2815.952
23667	MAP3K10	667.4858	-0.07668	0.166857	-0.45956	0.64583	0.725457	767.5943	545.2222	746.5198	629.4598	592.5337	723.5852
22552	PEX14	1037.446	-0.07669	0.121389	-0.63179	0.527521	0.621859	1046.227	1141.901	1010.898	1011.154	924.0958	1090.403
25451	LOC119621	37.51698	-0.0768	0.447642	-0.17156	0.863782	0.902269	43.36691	29.56024	41.74388	51.33892	29.94755	29.1444
22277	MSI2	5563.989	-0.07689	0.113497	-0.67749	0.498096	0.594419	5332.504	6621.493	5183.894	5381.658	5285.742	5578.641
25145	LOC103231	92.17586	-0.0769	0.345606	-0.22252	0.823908	0.871091	112.754	56.38342	115.4914	98.21359	72.72976	97.48301
21794	UBE3A	6772.069	-0.07702	0.101279	-0.76044	0.446991	0.545203	6605.864	7771.058	6483.521	6506.65	6451.558	6813.761
25536	LOC103247	43.25483	-0.0771	0.482182	-0.15989	0.872969	0.908794	47.7036	21.34906	64.00729	37.94616	51.33866	37.18424
21259	GLOD4	3493.621	-0.07729	0.0919	-0.84104	0.400326	0.50062	3717.628	3483.181	3566.319	3270.066	3332.734	3591.797
23160	ZFP82	460.6951	-0.07738	0.144417	-0.53581	0.592088	0.679649	474.3256	481.7224	460.5742	497.7643	425.683	424.1013
22633	PCED1A	1837.135	-0.07739	0.125152	-0.61841	0.536308	0.629954	1822.494	2030.35	1811.684	1852.665	1518.769	1986.844
23812	MACROD1	240.7788	-0.07741	0.177954	-0.43497	0.663581	0.740827	239.6022	261.1154	241.4188	236.6055	226.7457	239.1851
23698	UBE2V1	1528.631	-0.07752	0.170845	-0.45375	0.650006	0.729192	1280.408	2077.975	1349.719	1522.311	1478.125	1463.25
22774	ZNF181	590.4263	-0.07754	0.12994	-0.5967	0.550706	0.642861	611.4734	621.3124	587.1973	535.7105	598.951	587.913
22779	QRICH1	5191.863	-0.07766	0.130267	-0.59612	0.551094	0.643173	4877.151	6438.658	4681.576	4899.519	4851.503	5402.77
22553	PIGO	2431.422	-0.07769	0.122983	-0.63173	0.527565	0.621882	2786.324	2195.121	2515.069	2232.127	2243.927	2615.962
25800	FGF7	17.04966	-0.07778	0.648247	-0.11999	0.904495	0.932015	14.63633	14.78012	22.2634	22.32127	19.252	9.044815
22952	TRIM11	922.7561	-0.07779	0.136254	-0.57091	0.568062	0.657979	1015.328	846.8461	986.5471	839.2797	838.5314	1010.004
25584	ADM5	30.93071	-0.07792	0.506269	-0.15392	0.877674	0.912014	18.97302	36.67659	40.35242	22.32127	32.08666	35.17428
21747	PGK1	20617.47	-0.078	0.101308	-0.76993	0.44134	0.539499	22850.57	18756.52	21921.8	19517.72	19487.3	21170.9
21535	TMEM87B	1750.713	-0.07803	0.097598	-0.79952	0.42399	0.523416	1811.653	1849.705	1735.154	1671.863	1679.202	1756.704
21272	SNX1	5052.89	-0.07808	0.092992	-0.83965	0.401107	0.501289	5018.636	5589.075	4963.348	4738.806	4958.459	5049.017
23531	GON7	343.2502	-0.07814	0.163448	-0.47808	0.632591	0.714566	358.8612	320.2359	377.0864	361.6046	325.1448	316.5685
22653	ZBTB9	957.3632	-0.07816	0.127146	-0.61471	0.538746	0.632258	1014.244	955.2336	985.8514	939.7255	815.0012	1034.124
21963	BEX4	2822.667	-0.07819	0.106578	-0.73367	0.463149	0.560617	2716.937	3235.751	2742.573	2830.337	2723.088	2687.315
23603	EMSY	1129.496	-0.0782	0.167178	-0.46775	0.639966	0.720819	1029.422	1493.339	958.0221	1116.063	1037.469	1142.662
21248	LTN1	6580.884	-0.07824	0.092922	-0.84199	0.399791	0.500211	6784.753	6936.255	6564.921	6127.189	6115.717	6956.468
23907	LOC103231	324.846	-0.07833	0.185728	-0.42177	0.673194	0.748603	378.9184	275.3481	347.8657	283.4801	335.8404	327.6233
23963	LOC103247	365.6132	-0.0784	0.189854	-0.41293	0.679656	0.754023	422.8274	289.0334	416.0474	352.6761	342.2577	370.8374
22561	TESK1	1161.07	-0.0784	0.124264	-0.6309	0.528106	0.6223	1089.594	1315.431	1177.177	1093.742	1067.416	1223.06
21916	RPRD1B	1325.378	-0.07847	0.105793	-0.74172	0.458258	0.555885	1389.909	1364.698	1333.021	1301.33	1208.598	1354.712
22131	B3GNT2	1090.893	-0.07857	0.111671	-0.70356	0.481706	0.578652	1142.718	1162.155	1059.599	1020.082	1050.303	1110.502
20854	SEC22B	4023.837	-0.07861	0.087548	-0.89793	0.369225	0.470694	4199.001	4154.308	4051.244	3734.348	3935.964	4068.157
23707	LOC103247	1047.08	-0.07871	0.173809	-0.45284	0.650665	0.729655	1254.388	804.148	1172.307	991.0644	904.8438	1155.726
24215	LOC119611	333.4754	-0.07873	0.211951	-0.37143	0.710314	0.779834	393.5547	250.1672	384.7394	281.248	361.5097	329.6333
22537	CABLES2	908.6282	-0.07874	0.124019	-0.63488	0.525504	0.619866	938.3515	1010.522	853.6624	870.5295	847.0878	931.616
26041	LOC119621	7.611451	-0.07877	0.983499	-0.08009	0.936164	0.955742	4.336691	5.474118	13.2189	8.928508	10.69555	3.014938
26016	LOC119621	7.316639	-0.07881	0.941611	-0.0837	0.933294	0.95367	4.878777	7.116354	10.43597	11.16063	4.278221	6.029877
22136	CLCN6	1290.628	-0.07883	0.1122	-0.70257	0.482325	0.579239	1336.243	1371.267	1274.58	1261.152	1150.842	1349.687
20655	LOC119621	8523.877	-0.07883	0.084958	-0.92792	0.353451	0.454926	8900.516	9007.114	8366.865	8111.549	8109.369	8647.848
25725	ARL9	17.76091	-0.07885	0.602303	-0.13092	0.895838	0.925786	16.26259	16.42235	21.56767	17.85702	21.39111	13.06473
23245	PGAM1	10149.63	-0.07889	0.150906	-0.52278	0.60113	0.687503	12039.2	7797.881	11447.56	10037.88	8843.083	10732.18
24129	HYAL3	179.5678	-0.07893	0.204623	-0.38573	0.699699	0.770919	188.6461	174.6244	190.6304	156.2489	190.3808	176.8764
22163	NDUFB4	5202.642	-0.07905	0.113288	-0.69778	0.485312	0.582142	5639.867	4540.234	5855.971	5147.285	4973.432	5059.067
22346	GON4L	2569.807	-0.07911	0.118508	-0.66754	0.504428	0.600117	2472.456	3061.674	2385.663	2513.375	2496.342	2489.334
21982	STARD13	3584.746	-0.07922	0.108422	-0.7307	0.464965	0.562302	3822.251	3508.362	3726.337	3488.814	3099.571	3863.141
22332	LOC103211	4197.503	-0.07929	0.1184	-0.66971	0.503044	0.598845	4734.04	3816.008	4395.631	3870.508	3801.2	4567.632
22919	CDK10	1419.62	-0.07957	0.138025	-0.57649	0.564286	0.654547	1633.848	1288.06	1461.036	1267.848	1277.049	1589.878
22085	IMMT	7219.925	-0.07976	0.112032	-0.7119	0.476525	0.573621	6957.136	8546.193	6757.639	6939.683	6740.338	7378.559
25378	VWC2	39.84909	-0.07991	0.431651	-0.18512	0.853138	0.893714	37.40396	47.07742	36.87376	42.41041	49.19955	26.12947
21478	TMEM1061	5153.884	-0.07998	0.099065	-0.8073	0.419494	0.519241	4949.249	5871.539	5068.403	5024.518	5026.91	4982.688
25837	ABCD2	13.01188	-0.08009	0.70307	-0.11392	0.909302	0.935591	11.9259	13.6853	13.91463	13.39276	17.11289	8.039836
22125	SNX15	1278.023	-0.08013	0.113718	-0.70465	0.481031	0.577998	1339.495	1301.745	1305.888	1191.956	1157.259	1371.797
27562	LOC119621	0.719887	-0.08013	3.592683	-0.0223	0.982205	NA	0	0	2.087194	2.232127	0	0
27753	LOC119621	0.719887	-0.08013	3.592683	-0.0223	0.982205	NA	0	0	2.087194	2.232127	0	0
29172	LOC103231	0.719887	-0.08013	3.592683	-0.0223	0.982205	NA	0	0	2.087194	2.232127	0	0
20657	PSMD8	6486.609	-0.08036	0.086625	-0.92767	0.353578	0.455045	6892.628	6290.857	68			



24370	LOC119615	148.3949	-0.08056	0.229485	-0.35104	0.72556	0.791507	139.3162	169.1503	150.278	151.7846	124.0684	155.7718
25527	LOC119622	25.5205	-0.08065	0.500382	-0.16117	0.871959	0.908063	24.93597	22.44388	31.30791	26.78552	23.53022	24.11951
25756	TRNAE-CU	21.96129	-0.08074	0.638256	-0.12651	0.899332	0.928279	26.02015	11.49565	31.30791	20.08914	10.69555	32.15934
21935	WDR89	1928.319	-0.08075	0.109423	-0.73796	0.460539	0.558168	1952.053	2179.246	1817.25	1859.362	1820.383	1941.62
26218	COLEC11	2.937762	-0.0808	1.519415	-0.05318	0.95759	0.970958	4.336691	1.642235	3.478657	0	2.139111	6.029877
25530	CCDC96	31.26864	-0.08085	0.503391	-0.1606	0.872407	0.908458	21.14137	33.93953	40.35242	35.71403	36.36488	20.09959
22073	EYA4	2116.377	-0.08101	0.113534	-0.71355	0.475506	0.572681	2121.184	2426.129	1982.834	2037.932	1959.425	2170.756
22265	RMND1	1110.024	-0.08116	0.119303	-0.68031	0.496308	0.592605	1163.859	1210.875	1047.076	1022.314	1165.815	1050.204
21144	DUSP5	5931.814	-0.08126	0.094618	-0.85882	0.39044	0.490912	6276.276	5994.707	6034.078	5468.711	5518.906	6298.206
22592	TRIAP1	1049.343	-0.08133	0.130009	-0.6256	0.531574	0.625499	1149.765	924.0311	1163.263	1002.225	1041.747	1015.029
21751	PDZD4	3081.944	-0.08134	0.105869	-0.76832	0.442295	0.540591	3241.134	2968.067	3302.637	3073.639	2695.279	3210.909
25831	LOC119623	17.73461	-0.08137	0.70901	-0.11476	0.908632	0.935155	14.09425	18.612	20.87194	17.85702	29.94755	5.024897
22891	CDYL	1708.181	-0.08165	0.140612	-0.58066	0.561469	0.652075	1576.929	2127.242	1566.091	1725.434	1535.881	1717.51
22425	RAB33B	856.5966	-0.08179	0.125392	-0.65226	0.514231	0.609584	912.3314	796.4842	936.4544	828.1191	797.8883	868.3023
21043	SUN1	7580.557	-0.08194	0.093675	-0.87471	0.381733	0.482275	7976.259	7773.795	7646.088	7011.111	7014.144	8061.945
23172	SYNGR2	1540.804	-0.082	0.153617	-0.53378	0.593492	0.680878	1715.703	1385.499	1660.711	1379.454	1266.354	1837.102
21570	BRWD1	7428.486	-0.082	0.103289	-0.79389	0.427262	0.5266	7432.004	8540.719	6948.269	7124.949	7007.727	7517.246
24180	GCAT	232.6882	-0.08219	0.217968	-0.37705	0.706133	0.77632	249.9018	197.0683	269.9438	276.7837	190.3808	212.0507
21230	RLIM	7581.941	-0.08232	0.097217	-0.84676	0.397128	0.497299	7673.775	8390.181	7336.487	6946.379	7253.724	7891.099
22832	TNFRSF1B	510.831	-0.08238	0.140036	-0.58825	0.556366	0.64781	551.3018	540.2955	484.229	520.0856	470.6043	498.4698
22831	LOC103216	665.0763	-0.0824	0.140083	-0.58821	0.556392	0.64781	642.3723	719.2991	694.3399	669.6381	558.3079	706.5006
24677	GNB1L	184.0976	-0.08243	0.272048	-0.303	0.761886	0.820794	225.5079	122.6202	219.1554	212.0521	160.4333	164.8166
21688	TP53BP1	7051.552	-0.08269	0.10615	-0.77903	0.435965	0.534403	7051.459	8095.126	6618.493	6703.077	6517.87	7323.285
22585	USP7	8116.772	-0.08287	0.132315	-0.62632	0.531104	0.625167	7293.772	10266.71	7490.244	7613.785	7867.649	8168.473
24354	FGFBP3	149.2181	-0.08287	0.234637	-0.3532	0.723942	0.790227	151.2421	171.8873	134.9719	160.7131	151.8769	124.6175
20982	SFXN1	3034.138	-0.08334	0.09457	-0.88128	0.378164	0.479126	3177.71	3207.286	2984.688	2785.694	2954.112	3095.337
22485	NCKIPSD	1104.931	-0.08341	0.130108	-0.64111	0.521453	0.616518	1123.203	1139.711	1150.74	1174.099	894.1483	1147.687
21755	MAN1B1	6190.512	-0.08359	0.108885	-0.76768	0.442677	0.54096	6773.911	5847.453	6496.044	5863.798	5469.706	6692.158
21035	FBXO38	3453.018	-0.08365	0.095572	-0.8753	0.381411	0.482013	3459.053	3771.12	3434.13	3265.602	3238.614	3549.587
25938	LOC119623	10.20045	-0.08393	0.850441	-0.09869	0.921385	0.944368	7.047123	12.59047	11.1317	17.85702	8.556443	4.019918
24763	LOC103215	77.5451	-0.08403	0.291689	-0.28807	0.773292	0.830189	81.31296	76.63765	80.70484	78.12444	79.14709	69.34358
23521	LOC103226	263.4179	-0.08405	0.175167	-0.47982	0.631358	0.713603	271.5853	287.3912	252.5505	270.0874	256.6933	242.2001
21281	CELF1	7730.974	-0.08421	0.100456	-0.83828	0.401874	0.502035	7889.525	8468.461	7519.465	7131.646	7116.821	8259.926
21461	SBF2	4646.147	-0.08423	0.104116	-0.80896	0.418538	0.518467	5300.041	4423.46	4366.04	4383.038	4778.677	
25997	LOC103233	6.975747	-0.08426	0.966259	-0.0872	0.930511	0.951558	7.047123	8.211177	6.261582	11.16063	2.139111	7.034856
21870	ZDHHC13	1528.078	-0.08429	0.112458	-0.74952	0.453543	0.551324	1608.912	1413.965	1696.193	1506.686	1450.317	1492.395
21879	DDX17	18049.52	-0.08438	0.112817	-0.74798	0.454472	0.552226	16889.24	21618.39	17227	16897.2	17236.95	18428.31
25435	LOC119615	32.90373	-0.08449	0.481612	-0.17543	0.86074	0.899657	43.36691	22.9913	36.17803	29.01765	25.66933	40.19918
21807	SF1	5727.582	-0.08452	0.111402	-0.75869	0.448038	0.546205	5345.514	6736.997	5606.899	5377.194	5424.785	5874.105
21062	SLC44A1	6197.193	-0.08454	0.097065	-0.70795	0.383781	0.484419	6178.7	7009.608	5949.895	5932.994	5908.224	6203.738
23668	LOC103217	320.412	-0.08457	0.184123	-0.45929	0.646023	0.725643	371.3292	283.0119	336.734	330.3548	267.3888	333.6532
21444	RNF6	2635.212	-0.08469	0.104252	-0.81235	0.416589	0.516439	2588.462	2999.817	2550.551	2533.464	2522.011	2616.967
23750	AMN1	275.9222	-0.08471	0.190458	-0.44476	0.656493	0.734857	326.336	248.525	277.5968	292.4086	235.3022	275.3644
24468	LOC119623	159.9479	-0.0848	0.252613	-0.33571	0.737089	0.800863	169.673	126.4521	199.6749	129.4634	162.5724	171.8515
22193	SIN3B	2572.42	-0.08489	0.122468	-0.69317	0.488206	0.584822	2697.964	2474.301	2780.143	2468.732	2156.224	2857.157
23709	AKIP1	726.1139	-0.08494	0.187674	-0.45258	0.65085	0.72977	886.3112	523.3257	832.7905	705.3521	714.463	694.4408
22298	NADSYN1	1343.696	-0.08494	0.125847	-0.67497	0.499693	0.595764	1518.926	1247.004	1389.376	1243.295	1221.432	1442.146
21627	CCNT2	3491.561	-0.08504	0.108171	-0.78615	0.431779	0.530776	3387.498	4059.059	3334.64	3361.583	3493.168	3313.417
25661	LOC103216	18.19656	-0.08511	0.604653	-0.14076	0.888063	0.920041	15.17842	25.72836	15.30609	15.62489	19.252	18.08963
23719	VAMP5	1046.818	-0.08522	0.189066	-0.45072	0.652191	0.730935	1180.664	738.4585	1316.324	1024.546	930.5131	1090.403
21398	ZMYM3	2413.162	-0.08522	0.10429	-0.81715	0.413846	0.514164	2437.22	2600.754	2422.537	2216.502	2233.232	2568.728
22155	TMEM19	2111.283	-0.08522	0.121967	-0.69874	0.484712	0.58158	2362.954	1874.338	2288.26	1926.326	2012.903	2202.915
22290	HARS2	1943.096	-0.08533	0.126254	-0.67583	0.499151	0.595331	2202.497	1785.11	2020.404	1830.344	1702.732	2117.492
20390	SNAP23	4450.312	-0.08534	0.088597	-0.96328	0.335405	0.43731	4515.037	4757.556	4467.987	4361.576	4479.298	4120.416
22123	CACHD1	2077.179	-0.08549	0.121214	-0.70532	0.48061	0.577545	2006.804	2453.5	1959.18	1950.879	1938.034	2154.676
22486	USP14	3021.461	-0.08572	0.133715	-0.64411	0.52146	0.616518	2797.708	3739.918	2798.927	2696.409	2956.251	3139.556
23066	GRK2	1571.254	-0.08581	0.155616	-0.55143	0.581339	0.670029	1819.784	1328.021	1712.891	1408.472	1343.361	1814.993
24649	MSS51	124.4018	-0.08587	0.279467	-0.30726	0.758642	0.818228	164.2522	106.7453	112.7085	102.6778	145.4595	114.5677
23226	LOC119618	458.755	-0.08594	0.163582	-0.52539	0.599315	0.685989	428.2482	555.0756	435.5278	417.4077	444.935	471.3354
22098	TRMT10C	1617.083	-0.08615	0.121404	-0.70962	0.47794	0.574986	1738.471	1475.275	1781.072	1473.204	1721.984	1512.494
20333	BCL2L1	12650.13	-0.08621	0.088713	-0.97184	0.331129	0.432945	13140.72	13022.93	12928.78	12004.38	11536.22	13267.74
23275	BCLAF3	608.3841	-0.0864	0.167021	-0.51733	0.604928	0.690953	583.2849	769.661	525.2772	593.7458	607.5074	570.8283
22075	LTA4H	3315.564	-0.08642	0.12113	-0.71344	0.475574	0.572736	3191.262	3983.516	3072.35	3169.62	3071.763	3404.87
23167	VCPKMT	499.4961	-0.08658	0.161877	-0.53484	0.592758	0.680224	596.8371	436.8346	509.2754	464.2824	513.3866	476.3603
21912	SNAPC1	1413.065	-0.08658	0.116617	-0.74247	0.457802	0.555434	1382.32	1611.033	1369.199	1441.954	1375.448	1298.433
20797	CSNK2B	3813.028	-0.0866	0.095741	-0.90457	0.365692	0.467444	3793.52	4242.442	3749.296	3618.278	3638.627	3836.007
22558	SMARCA2	3155.646	-0.08662	0.13722	-0.63128	0.52786	0.622114	2835.112	3964.904	2953.38	3062.478	2857.852	3260.153
21809	SUPT7L	2212.762	-0.08679	0.114413	-0.75861	0.448086	0.546214	2153.709	2539.991	2149.114	2053.557	2055.685	2324.518
21614	IFT140	1666.048	-0.08699	0.110304	-0.78865	0.430319	0.529288	1722.75	1679.459	1753.243	1604.899	1463.152	1772.784
22331	GRK3	2131.462	-0.087	0.129898	-0.66975	0.503018	0.598841	1987.289	2592.542	2009.968	2058.021	1938.034	2202.915
22196	EP300	3853.589	-0.08714	0.125791	-0.69277								



25068	LOC119616	55.61316	-0.08734	0.371591	-0.23505	0.814167	0.863437	61.79785	52.55153	55.65851	58.0353	68.45154	37.18424
25603	TMEM272	20.32123	-0.08768	0.582008	-0.15064	0.880257	0.914019	23.30971	24.08612	14.61036	22.32127	23.53022	14.06971
20856	YEATS2	3289.202	-0.08768	0.09769	-0.89758	0.369411	0.470885	3292.091	3599.233	3281.765	3080.335	3073.902	3407.885
24120	SLC23A1	145.2891	-0.08769	0.226373	-0.38735	0.698496	0.769848	155.5788	150.5382	141.9292	129.4634	162.5724	131.6523
22469	ZNF212	594.1138	-0.08771	0.135899	-0.64542	0.518658	0.613669	651.5878	584.6358	603.8948	533.4783	569.0034	622.0823
22282	CHML	676.6815	-0.08782	0.129799	-0.67658	0.498675	0.594977	654.8403	754.3335	684.5997	627.2277	656.707	682.3811
21577	RAC1	17354.73	-0.0879	0.110926	-0.79242	0.428118	0.527484	16236.03	20752.38	16663.46	16580.24	16417.67	17478.6
21553	AMFR	8705.136	-0.08803	0.110568	-0.79615	0.425945	0.525366	9632.875	8297.668	8989.545	8281.191	7559.617	9469.922
21467	PAM	5675.542	-0.0881	0.109091	-0.8076	0.419319	0.51918	5489.709	6621.493	5439.228	5249.963	5394.837	5858.025
25523	SLC17A4	24.94719	-0.08814	0.545008	-0.16172	0.871527	0.907756	30.35684	27.37059	20.17621	26.78552	12.83466	32.15934
21007	NDUFAB1	2286.276	-0.08837	0.100604	-0.87845	0.379702	0.480632	2232.312	2295.298	2539.42	2232.127	2273.875	2144.626
24379	LOC103230	204.2947	-0.08846	0.252974	-0.34969	0.726575	0.792313	239.6022	148.3486	245.5932	209.8199	158.2942	224.1104
25707	LOC119627	15.58661	-0.08854	0.661815	-0.13379	0.893571	0.92409	19.51511	15.32753	12.52316	17.85702	19.252	9.044815
22749	ZNF333	426.8351	-0.08861	0.147433	-0.60105	0.547808	0.640181	460.2313	419.8649	436.9193	441.9611	417.1266	384.9071
22188	ZNF140	872.7415	-0.08863	0.127727	-0.69387	0.487766	0.584426	874.3853	1003.406	821.6587	825.887	842.8096	868.3023
21994	ZNF395	1075.91	-0.0887	0.121715	-0.72876	0.46615	0.563454	1172.533	1082.781	1076.296	1053.564	932.6523	1137.637
21153	PIKFYVE	3401.506	-0.08884	0.103537	-0.85809	0.390845	0.491212	3680.766	3583.905	3260.197	3185.245	3108.128	3590.792
22612	EMC6	802.6081	-0.08886	0.142643	-0.62298	0.533295	0.626997	753.5001	956.3284	768.7832	834.8155	778.6363	723.5852
24108	LOC103216	145.1239	-0.0889	0.228321	-0.38938	0.696994	0.768607	151.7842	140.6848	158.6268	127.2312	132.6249	159.7917
21114	SNX19	6460.735	-0.08935	0.10351	-0.86323	0.388013	0.488554	6561.413	7333.676	6091.824	6051.296	6028.014	6698.188
22174	PLEKHA3	562.0367	-0.0894	0.128542	-0.69549	0.486751	0.583553	568.1065	588.4677	583.0229	537.9426	536.9168	557.7636
25740	FGF19	14.59186	-0.08942	0.69441	-0.12878	0.897535	0.926994	11.38381	16.96977	16.00182	22.32127	12.83466	8.039836
24544	LOC103214	100.8991	-0.08958	0.27667	-0.32379	0.746093	0.808165	120.8853	94.70224	96.01093	84.82083	115.512	93.46309
22567	HSPA12A	533.5352	-0.08959	0.142159	-0.36022	0.528553	0.62266	526.3659	610.9116	513.4498	522.3177	500.5519	527.6142
22495	LYRM1	544.1028	-0.08979	0.140348	-0.63977	0.52232	0.617287	536.1234	606.5323	537.1046	542.4069	554.0297	488.42
21219	CYP20A1	2393.217	-0.08993	0.106063	-0.84794	0.396473	0.496677	2444.267	2709.688	2247.908	2366.055	2290.988	2300.398
22910	PFDN5	5049.387	-0.09007	0.15573	-0.57837	0.563012	0.653325	5669.139	3783.163	6167.659	4968.715	5052.579	4655.065
24171	CCDC7	197.8166	-0.0902	0.237601	-0.37964	0.704214	0.774545	215.7504	206.9217	186.456	165.1774	258.8324	153.7619
21107	AASDH	1545.612	-0.09022	0.104412	-0.86406	0.387558	0.488142	1579.64	1654.279	1546.611	1595.971	1411.813	1485.36
22702	ZNF326	1052.255	-0.09022	0.14833	-0.60823	0.543033	0.635914	970.3346	1320.357	965.6751	968.7431	1033.19	1055.228
25591	TTC6	23.54644	-0.09027	0.589883	-0.15303	0.878378	0.912508	22.76763	21.34906	27.82925	15.62489	40.6431	13.06473
21501	GATAD2A	5461.11	-0.09028	0.1124	-0.80317	0.421879	0.521647	5227.339	6414.572	5255.555	5493.264	4885.729	5490.203
21863	MVB12B	910.9445	-0.09041	0.120466	-0.75049	0.452959	0.550812	944.8565	936.0742	939.9331	933.0291	787.1927	924.5811
21866	LRRC27	868.1664	-0.09044	0.12054	-0.75026	0.453101	0.550899	947.567	835.3504	902.3636	866.4447	831.118	
22714	ST3GAL4	640.1119	-0.09046	0.149159	-0.60649	0.544187	0.636929	717.7224	596.1315	672.0765	553.5675	594.6728	706.5006
26017	LOC103234	8.718815	-0.09051	1.081367	-0.0837	0.933293	0.95367	4.336691	20.80165	1.391463	8.928508	12.83466	4.019918
21123	KRTCAP2	3204.584	-0.09054	0.105098	-0.86144	0.388997	0.489584	3465.016	2964.782	3489.093	3122.746	2949.834	3236.034
20892	TRAPPC10	3655.266	-0.09075	0.101837	-0.89113	0.372859	0.474423	3847.187	3894.835	3576.059	3303.548	3424.716	3885.251
20602	LOC119627	26720.07	-0.09079	0.096923	-0.93675	0.348889	0.45021	28164.64	27645.39	26881.67	24769.91	24000.82	28857.99
21031	LOC103233	3399.899	-0.09083	0.103719	-0.8757	0.381192	0.48186	3395.629	3836.809	3292.897	3153.995	3208.666	3511.398
22151	SLC4A3	1100.6	-0.0909	0.130031	-0.6991	0.484491	0.581472	1196.927	1038.44	1177.177	1002.225	981.8518	1206.98
23252	AURKAIP1	1497.15	-0.09122	0.17481	-0.52182	0.601796	0.688059	1792.68	1097.013	1745.59	1517.846	1294.162	1535.609
25550	LOC103218	19.74307	-0.09122	0.579513	-0.15741	0.874924	0.910331	15.17842	26.27577	19.48048	22.32127	17.11289	18.08963
26083	LOC119627	4.339999	-0.09123	1.232945	-0.07399	0.941016	0.959127	6.505036	5.474118	1.391463	2.232127	6.417332	4.019918
19670	ATR	6121.254	-0.09124	0.084889	-1.07484	0.282446	0.381721	6534.309	6403.076	6006.945	5995.493	5814.103	5973.598
25460	LOC119627	34.63143	-0.09143	0.536194	-0.17051	0.864609	0.902834	28.18849	29.56024	48.00546	33.4819	53.47777	15.07469
21164	ARHGFE28	7207.814	-0.09168	0.107087	-0.85613	0.391928	0.492317	7036.823	8439.448	6836.952	6781.202	6830.18	7322.28
22144	NKAPD1	2419.16	-0.09178	0.130998	-0.70061	0.483544	0.580494	2225.807	2987.774	2272.954	2290.162	2459.977	2278.288
22240	PRDM10	660.3313	-0.09205	0.134248	-0.68565	0.492934	0.589238	674.8975	706.1612	662.3363	575.8888	716.6021	626.1022
25115	LOC119627	55.96934	-0.09207	0.403534	-0.22817	0.819518	0.867484	68.30288	54.74118	48.00546	78.12444	53.47777	33.16432
21727	STK39	1644.938	-0.0922	0.119154	-0.77381	0.439044	0.537211	1583.434	1936.743	1570.961	1622.756	1582.442	1572.793
20775	TTL	2805.81	-0.09225	0.101671	-0.90734	0.364226	0.466086	2865.469	3056.748	2770.402	2535.696	2676.027	2930.52
25554	LOC103218	24.385	-0.09251	0.588356	-0.15724	0.875058	0.910363	17.88885	41.05589	16.00182	22.32127	29.94755	19.09461
22159	FCHO2	1029.808	-0.09262	0.132601	-0.6985	0.484866	0.581713	1030.506	1203.759	956.6306	1011.154	915.5394	1061.258
21965	MED14	2330.488	-0.09271	0.126404	-0.73346	0.463279	0.560733	2187.319	2842.162	2188.075	2185.252	2237.51	2342.607
24250	TNNC1	123.1497	-0.09274	0.251759	-0.36837	0.712601	0.781216	144.7371	119.3358	115.4914	136.1597	117.6511	105.5228
22685	PPID	2240.699	-0.09276	0.1521	-0.60984	0.541966	0.635129	2056.676	2934.675	1944.569	2174.092	2258.901	2075.283
26272	SPINK1	1.856256	-0.09288	2.080271	-0.04465	0.964387	0.97584	0	2.189647	3.478657	4.464254	0	1.004979
24974	TMPRSS5	52.28714	-0.09295	0.369955	-0.25124	0.801629	0.853305	66.13454	42.69812	52.87558	53.57105	49.19955	49.24399
21524	COG5	1484.46	-0.09298	0.116127	-0.80069	0.423312	0.522843	1453.876	1706.283	1438.077	1359.365	1473.847	1475.31
21400	MTMR3	3069.846	-0.0931	0.113969	-0.81688	0.414	0.514308	3291.548	3124.079	3099.483	2899.533	2624.689	3379.746
24765	LOC119627	75.25573	-0.09322	0.323826	-0.28788	0.773438	0.830279	66.13454	100.1764	66.79021	69.19594	74.86887	74.36848
22179	MARF1	2977.843	-0.09333	0.134333	-0.6948	0.487183	0.583965	2784.698	3672.038	2769.707	2828.105	2641.802	3170.71
21046	MME	1141.68	-0.09346	0.107029	-0.87321	0.382547	0.483227	1198.011	1178.03	1157.697	1165.17	1073.834	1077.338
20468	SLC9A6	2295.869	-0.09346	0.098251	-0.95126	0.341475	0.443527	2359.16	2506.599	2246.517	2252.216	2128.415	2282.308
24828	B3GNT4	58.19897	-0.09391	0.33916	-0.2769	0.78186	0.83719	56.37698	62.95236	61.92009	46.87467	57.75599	63.31371
19940	WBP1	2839.838	-0.09403	0.090355	-1.04068	0.298024	0.397341	2855.169	3032.114	2913.027	2703.106	2699.558	2836.052
20781	ZMYM1	1677.18	-0.09404	0.103701	-0.90679	0.364517	0.466319	1822.494	1684.386	1690.627	1517.846	1683.48	1664.246
21671	NDUFA8	2347.964	-0.09404	0.120447	-0.78076	0.434943	0.533568	2667.065	2092.208	2518.548	2162.931	2213.98	2433.055
20862	BTBD3	1253.434	-0.09406	0.104918	-0.89649	0.369994	0.47151	1277.155	1311.051	1298.235	1154.01	1212.876	1267.279
20974	PIP4K2C	2213.533	-0.0941	0.106627	-0.8825								



20817	HSPH1	7497.554	-0.09455	0.10481	-0.90209	0.367012	0.468704	7373.459	8641.99	7218.909	6993.254	6984.196	7773.516
25788	LOC103232	12.10047	-0.0947	0.783171	-0.12092	0.903751	0.931682	13.55216	14.23271	9.044508	22.32127	6.417332	7.034856
24917	LOC119624	54.79375	-0.09473	0.362256	-0.2615	0.793705	0.846838	51.49821	54.19377	62.61582	62.49956	57.75599	40.19918
24567	LPXN	76.39688	-0.09488	0.29556	-0.32103	0.748191	0.809617	80.77087	73.90059	82.0963	66.96381	81.28621	73.3635
25992	TRNAA-AG	5.1244	-0.09494	1.08409	-0.08758	0.930211	0.951434	4.878777	4.926706	6.261582	2.232127	6.417332	6.029877
21338	RAB4A	1026.952	-0.09503	0.115055	-0.82594	0.408837	0.509346	990.9339	1140.259	1051.25	984.368	998.9647	995.9347
21580	BCL7B	3932.861	-0.09506	0.120036	-0.79195	0.428388	0.527743	3547.955	4736.754	3900.966	3939.704	3741.305	3730.484
20423	DMXL1	5458.695	-0.09507	0.099221	-0.95813	0.337997	0.439976	5463.146	6228.999	5224.943	5218.713	5189.482	5426.889
22442	ANKRD17	8111.317	-0.09513	0.146256	-0.65046	0.515396	0.610607	7287.267	10698.07	7152.118	7622.714	7638.764	8268.971
24038	UFSP1	239.912	-0.09515	0.23719	-0.40116	0.688302	0.761254	277.5482	196.5208	273.4224	220.9806	177.5462	293.454
25514	LOC103220	20.49146	-0.09528	0.586083	-0.16257	0.870854	0.907376	15.7205	28.46541	18.78475	26.78552	17.11289	16.07967
25452	LOC119624	23.43058	-0.09531	0.556208	-0.17135	0.863947	0.902406	21.14137	24.63353	27.82925	11.16063	25.66933	30.14938
20984	MTF2	2088.653	-0.09544	0.108311	-0.88115	0.378235	0.479147	2149.915	2322.121	2001.619	1872.755	2143.389	2042.118
25208	LOC103230	36.26757	-0.09556	0.446894	-0.21382	0.830685	0.876083	29.27266	48.71965	34.09084	42.41041	29.94755	33.16432
22211	LOC119624	474.4963	-0.09557	0.138384	-0.69065	0.489786	0.586245	497.6353	485.5543	489.7949	455.3539	434.2395	484.4001
20852	RASSF3	5326.619	-0.09567	0.106525	-0.89814	0.369111	0.470593	5301.605	6178.637	5032.225	5102.642	4932.789	5411.814
23280	LOC103240	265.0349	-0.09569	0.185177	-0.51677	0.605314	0.691249	288.932	245.2405	288.0328	223.2127	284.5017	260.2897
23049	TMEM177	858.0152	-0.09581	0.172777	-0.55454	0.579211	0.668069	997.981	655.2519	1006.723	883.9223	770.0798	834.133
20847	ERBIN	8179.76	-0.09582	0.106608	-0.89883	0.368741	0.470235	8015.831	9572.043	7769.232	7778.963	7615.234	8327.26
20508	GOLGA3	7000.835	-0.09589	0.101505	-0.94469	0.344818	0.446996	7465.071	7206.677	7038.019	6415.133	6297.542	7582.57
23930	LOC119624	164.0123	-0.09591	0.229206	-0.41846	0.675612	0.75057	182.6831	159.2968	163.4969	160.7131	188.2417	129.6424
22661	ENTPD5	409.7533	-0.09602	0.156617	-0.6131	0.539811	0.633279	426.0799	468.0371	374.9992	397.3186	402.1528	389.932
25759	LOC119620	1822.064	-0.09605	0.760552	-0.12629	0.899505	0.928349	2875.226	468.5845	2304.958	1526.775	1202.18	2554.658
21184	RPL15	37990.5	-0.09654	0.113242	-0.85249	0.393941	0.494309	42615.04	32817.34	42353.34	36691.7	35680.37	37785.22
22199	HK1	1784.167	-0.09658	0.139546	-0.6921	0.488875	0.585465	1654.99	2236.725	1640.535	1776.773	1617.168	1778.814
20583	CLPB	4139.914	-0.09664	0.102765	-0.94044	0.346992	0.448175	4406.62	4372.178	4064.463	3888.365	3689.966	4417.89
22310	ZBTB21	1321.549	-0.09672	0.143634	-0.67336	0.500716	0.596636	1211.563	1657.016	1230.749	1229.902	1251.38	1348.682
23950	LOC103230	178.3117	-0.09673	0.232902	-0.41533	0.677903	0.752487	195.1511	210.2061	148.8865	142.8561	181.8244	190.9461
23426	LOC119624	218.5582	-0.0968	0.195338	-0.49554	0.620221	0.703858	239.6022	212.9432	223.3298	198.6593	243.8586	192.9561
20464	TFB2M	1608.773	-0.09688	0.1018	-0.95168	0.341259	0.443333	1682.094	1619.792	1690.627	1459.811	1572.246	1628.067
20308	USP22	12786.38	-0.09691	0.099163	-0.97729	0.328425	0.429938	13731.05	12809.44	13115.93	11968.66	11350.12	13743.09
21334	ASH1L	5045.566	-0.09696	0.117251	-0.82693	0.408278	0.508769	4749.219	6118.969	4777.587	4799.073	4857.92	4970.628
20033	CTNNAL1	8579.135	-0.09703	0.094897	-1.02245	0.306569	0.406835	8547.076	9724.771	8327.209	8363.78	8475.156	8036.821
21438	CDC127	966.0434	-0.09719	0.119529	-0.81307	0.416179	0.516099	1031.048	1030.776	937.8459	870.5295	924.0958	1001.965
20975	BCKDK	3204.273	-0.09719	0.110147	-0.8824	0.377561	0.478544	3053.573	3667.659	3218.453	3180.781	2845.017	3260.153
24558	LOC119624	123.2026	-0.0973	0.301916	-0.32227	0.747246	0.808872	157.7471	82.65918	142.6249	124.9991	100.5382	130.6473
23859	ZNF793	134.7387	-0.09747	0.227194	-0.42901	0.667917	0.74423	139.8583	146.7064	131.4932	127.2312	130.4858	132.6573
20777	VPS9D1	2140.437	-0.09763	0.10761	-0.90729	0.364253	0.46609	2329.345	2020.497	2293.131	1937.486	2081.355	2180.805
23104	SAP130	1180.163	-0.0978	0.180026	-0.54328	0.586937	0.675369	1020.207	1637.309	1001.853	1189.724	1112.338	1119.547
21881	FAM149B1	642.2613	-0.09793	0.131034	-0.74735	0.454853	0.552638	669.4767	671.6743	647.0302	683.0309	607.5074	574.8483
20757	KANSL3	3100.049	-0.09793	0.107575	-0.91037	0.362625	0.46444	3438.454	3041.42	3143.314	2828.105	2838.6	3310.402
21980	PSMB9	665.0812	-0.09806	0.134148	-0.73097	0.464798	0.562177	707.4227	614.1961	740.9539	651.7811	646.0114	630.1221
21163	PFDN6	1123.484	-0.09808	0.114547	-0.85626	0.391852	0.492245	1131.334	1261.237	1093.69	1078.117	1060.999	1115.527
19286	SF3B3	12409.91	-0.09815	0.086215	-1.13846	0.254927	0.351407	13117.95	13011.43	12372.89	11740.99	11472.05	12744.14
22692	FKBPL	336.1024	-0.09822	0.161141	-0.60952	0.542182	0.63522	342.0565	335.5634	368.0419	308.0335	310.171	352.7478
21566	FUNDC1	683.9696	-0.09824	0.123651	-0.79446	0.426927	0.526284	707.9648	697.4027	713.8204	705.3521	648.1505	631.1271
22337	CCDC174	1291.359	-0.09828	0.146934	-0.66889	0.503568	0.599335	1177.412	1642.783	1184.831	1252.223	1257.797	1233.11
21801	PUS10	671.248	-0.0983	0.129393	-0.75969	0.447441	0.545627	723.1432	711.6354	649.8131	602.6743	658.8461	681.3761
25494	HTR2A	19.40021	-0.09832	0.595044	-0.16523	0.868766	0.905944	19.51511	27.37059	13.2189	20.08914	17.11289	19.09461
21082	PAGR1	1092.443	-0.09833	0.113316	-0.86773	0.385542	0.486179	1083.089	1205.401	1097.168	1087.046	1075.973	1005.984
25473	PYDC2	19.00181	-0.09834	0.581404	-0.16914	0.86569	0.903481	24.39389	16.42235	18.08902	15.62489	21.39111	18.08963
26057	LOC119625	5.767986	-0.09849	1.287398	-0.0765	0.939022	0.958049	5.96295	6.568942	4.87012	2.232127	14.97377	0
20772	RNF216	8408.066	-0.09851	0.108542	-0.90755	0.364115	0.466034	8130.211	9911.986	8046.133	8006.639	7779.945	8573.48
21704	ZSCAN26	718.528	-0.09857	0.126847	-0.77704	0.437132	0.535439	694.9547	784.9885	749.9984	725.4413	650.2896	705.4956
21435	CLINT1	7749.301	-0.09864	0.121258	-0.81345	0.415958	0.515897	7387.553	9485.552	7171.599	7457.536	7095.43	7898.134
23530	LOC119618	209.2173	-0.09867	0.206168	-0.47859	0.632232	0.714317	234.1813	233.1974	180.8902	189.7308	220.3284	196.976
25143	LOC119624	35.85834	-0.09867	0.441325	-0.22358	0.823083	0.870288	43.909	36.67659	31.30791	24.5534	38.50399	40.19918
21340	RNF2	1383.868	-0.0987	0.119519	-0.82583	0.408898	0.509398	1329.196	1591.874	1368.504	1354.901	1407.535	1251.199
20802	LOC103240	1288.904	-0.09876	0.109239	-0.90412	0.365933	0.467641	1350.879	1336.78	1316.324	1238.83	1152.981	1337.628
19704	ERGIC2	2683.12	-0.0988	0.092406	-1.06924	0.28496	0.384479	2692.001	2872.817	2757.183	2564.714	2699.558	2512.449
22802	COX6A1	7875.161	-0.09888	0.167105	-0.59173	0.554031	0.645837	8952.014	5600.023	9882.864	7888.337	7469.774	7457.953
25441	LOC119624	24.73278	-0.09892	0.568363	-0.17404	0.861833	0.900587	33.06727	18.06459	25.04633	15.62489	38.50399	18.08963
24939	LOC103220	56.54549	-0.09906	0.385903	-0.2567	0.797409	0.850038	66.13454	46.53	61.22436	78.12444	47.06043	40.19918
23592	CCDC112	522.32	-0.09909	0.210953	-0.46975	0.638535	0.719543	446.1371	747.2171	426.4833	520.0856	500.5519	493.4449
26225	SMIM43	1.855369	-0.09912	1.900734	-0.05215	0.958412	0.971569	0.542086	1.642235	3.478657	4.464254	0	1.004979
21764	CUNH1orf1	807.7082	-0.09912	0.129426	-0.76582	0.443785	0.542089	866.254	741.1956	898.1892	801.3336	776.4972	762.7794
22103	ENTPD6	1287.709	-0.09924	0.140123	-0.70826	0.478784	0.575871	1480.438	1161.06	1360.851	1109.367	1191.485	1423.051
22162	HSPA2	663.346	-0.09931	0.142273	-0.698	0.485179	0.582009	663.5137	755.9757	642.1601	656.2453	564.7252	697.4558
22102	TRAPPC1	1785.273	-0.09946	0.140325	-0.70882	0.478436	0.575478	1638.727	2252.6	1648.883	1649.542	1788.297	1733.59
20915	DCTN3	2278.234	-0.0995	0.111853	-0.88954	0.373711	0.475023	2432.884	2104.798	2536.637	2216.502	2062.103	2316.478
21970	LOC103220	811.0031	-0.0995										



25677	LOC103233	14.9708	-0.09988	0.718738	-0.13897	0.889472	0.920926	11.9259	25.72836	9.044508	8.928508	17.11289	17.08465
21303	LOC119625	735.843	-0.09995	0.119979	-0.83305	0.404815	0.505187	792.5303	747.2171	744.4326	727.6734	686.6545	716.5504
20824	ADAR	10179.7	-0.1	0.110986	-0.90103	0.36757	0.469259	10434.08	11445.29	9725.629	9479.843	8926.509	11066.83
21283	PELP1	2000.864	-0.10011	0.119494	-0.83775	0.402171	0.502359	2209.002	1990.937	2019.012	1810.255	1769.045	2206.935
19941	SZRD1	5796.258	-0.10012	0.09626	-1.04008	0.298301	0.397689	5987.886	5837.052	6175.312	5511.122	5165.952	6100.225
22825	POM121C	865.2907	-0.10019	0.170014	-0.5893	0.55566	0.647205	742.6583	1135.332	807.7441	772.3159	900.5656	833.128
26132	LOC119626	2.548558	-0.10023	1.514495	-0.06618	0.947236	0.963657	2.710432	2.189647	2.782925	4.464254	2.139111	1.004979
20436	PDHA1	3519.617	-0.10024	0.104834	-0.95618	0.338981	0.440977	3585.359	3992.822	3351.338	3234.352	3351.986	3601.846
26078	LOC119627	4.719454	-0.1003	1.347071	-0.07446	0.940645	0.958932	6.505036	7.663765	0.695731	0	6.417332	7.034856
19537	PLXNA3	4460.167	-0.10035	0.091708	-1.09426	0.273839	0.372633	4610.445	4504.652	4737.235	4276.755	4047.197	4584.716
23584	ZNF850	196.9929	-0.10036	0.212919	-0.47137	0.637373	0.718477	183.7673	233.7448	195.5005	160.7131	203.2155	205.0158
22285	PRDM15	794.5133	-0.10038	0.148398	-0.67646	0.49875	0.595004	752.4159	962.35	754.1728	781.2444	688.7936	828.1031
25438	LOC119628	501.0484	-0.10043	0.57429	-0.17488	0.861178	0.900008	256.9489	934.432	363.8675	412.9435	581.8381	456.2607
20863	PSMD13	5519.336	-0.1006	0.11223	-0.89634	0.370072	0.47157	6192.795	4917.948	6028.512	5238.802	5106.057	5631.905
26015	IL21R	4.015842	-0.1008	1.198718	-0.08409	0.932983	0.953425	4.878777	3.284471	4.174388	4.464254	4.278221	3.014938
22357	RAD51B	483.0044	-0.10082	0.151328	-0.66623	0.505265	0.600827	561.6015	478.4379	460.5742	479.9073	432.1004	485.4051
21746	SDHD	2248.145	-0.10087	0.130942	-0.77035	0.44109	0.539242	2602.015	1906.635	2474.021	2080.342	2162.641	2263.214
25858	LOC119629	8.856755	-0.10103	0.915151	-0.11039	0.912098	0.937741	3.252518	11.49565	13.2189	6.696381	6.417332	12.05975
25812	LOC119624	11.95483	-0.10105	0.852698	-0.11851	0.905663	0.932749	16.26259	10.94824	9.044508	8.928508	23.53022	3.014938
24163	CD163	121.3213	-0.10114	0.265677	-0.38067	0.703444	0.773955	105.1648	157.1072	114.7957	111.6063	117.6511	121.6025
21622	NCLN	2842.414	-0.10116	0.128613	-0.78657	0.431531	0.530582	3094.771	2580.499	3158.62	2642.838	2432.169	3145.586
21284	FGGY	735.5757	-0.10121	0.120849	-0.83747	0.402326	0.502517	787.6515	738.4585	758.3472	676.3345	740.1323	712.5304
25585	LOC103235	14.62748	-0.10124	0.659075	-0.15361	0.877921	0.912235	11.38381	16.42235	17.39328	13.39276	17.11289	12.05975
21068	RBAK	3422.907	-0.10126	0.116315	-0.87057	0.38399	0.484579	3351.178	4083.692	3195.494	3145.067	3354.126	3407.885
21111	KLHL20	1138.702	-0.10126	0.117265	-0.86356	0.38783	0.488393	1127.54	1296.819	1110.387	1138.385	1071.694	1087.388
24651	FGF18	94.52277	-0.10142	0.330319	-0.30703	0.758824	0.81834	113.2961	85.39624	91.83654	102.6778	117.6511	56.27885
22821	TMC6	843.727	-0.10151	0.172207	-0.58946	0.55555	0.647123	984.4288	659.0838	980.2855	781.2444	750.8278	906.4915
23349	BTNL8	205.075	-0.10156	0.200617	-0.50626	0.612673	0.697586	230.3867	202.5424	204.545	169.6417	220.3284	203.0059
21370	STAU1	5152.86	-0.10157	0.123666	-0.82133	0.41146	0.51187	4962.259	6346.693	4694.795	4694.625	4791.608	5157.555
24656	LOC103235	101.6511	-0.10165	0.33132	-0.30681	0.75899	0.81839	137.1479	65.68942	114.0999	95.98146	83.42532	113.5627
21661	CBX8	603.4804	-0.10177	0.130048	-0.78254	0.433899	0.532533	628.8202	601.6056	644.943	609.3707	541.195	594.9478
21674	SLC35C2	2188.077	-0.10187	0.130524	-0.78048	0.435106	0.53367	2518.533	1909.372	2373.14	2037.932	1967.982	2321.503
20082	ACER3	1502.813	-0.10195	0.100415	-1.0153	0.309964	0.410317	1532.478	1621.434	1515.303	1435.258	1431.065	1481.34
20435	SDHHC7	3250.271	-0.10198	0.10663	-0.95637	0.338884	0.440872	3363.104	3558.177	3181.58	2988.818	2932.721	3477.229
21672	SEMA4C	847.7795	-0.10202	0.130717	-0.78049	0.4351	0.53367	935.6411	807.4324	895.4063	776.7802	767.9407	903.4765
24719	LOC103214	64.03914	-0.10221	0.345558	-0.2958	0.767386	0.825324	67.7608	53.64636	76.53045	58.0353	77.00798	51.25395
23030	SNX17	3463.764	-0.10225	0.183599	-0.55695	0.577564	0.666719	4399.031	2472.659	3891.921	3285.691	2845.017	3888.266
19685	RBM12	8439.409	-0.10236	0.09547	-1.07221	0.283628	0.383045	8632.725	9473.509	8113.619	8015.568	7852.675	8548.355
25644	LOC103225	13.59923	-0.10239	0.715056	-0.14319	0.88614	0.918657	16.26259	11.49565	13.91463	22.32127	8.556443	9.044815
22081	ZNF462	2930.652	-0.10248	0.143862	-0.71232	0.476268	0.573366	2583.584	3801.775	2718.918	2821.409	2782.983	2785.246
25687	LOC119627	11.65281	-0.10249	0.749543	-0.13674	0.891235	0.922392	10.84173	14.78012	10.43597	6.696381	17.11289	10.04979
25197	LOC119625	30.81431	-0.1025	0.476422	-0.21514	0.829659	0.875361	32.52518	38.86624	25.04633	22.32127	29.94755	36.17926
18309	MORF4L2	13913.13	-0.10253	0.080044	-1.28089	0.200232	0.290741	14398.36	14940.51	13884.02	13156.16	13540.57	13559.18
20199	PAPSS1	3042.774	-0.10256	0.102896	-0.9967	0.318908	0.419717	3193.431	3345.234	2918.593	2741.052	2934.86	3123.476
20818	PIGU	1182.606	-0.10257	0.113734	-0.90187	0.367126	0.468827	1149.765	1329.116	1193.179	1176.331	1133.729	1113.517
21429	RSBN1	1596.845	-0.10283	0.126334	-0.81396	0.415668	0.51567	1587.771	1917.036	1455.47	1526.775	1559.412	1534.604
24569	LOC103234	101.9827	-0.10291	0.320731	-0.32086	0.748316	0.809719	90.52842	147.8012	77.22618	109.3742	100.5382	86.42823
19408	ATXN10	2807.161	-0.10299	0.092212	-1.1169	0.264037	0.361654	2975.512	2758.408	2990.253	2712.034	2646.08	2760.679
25370	GSF1	20.8294	-0.103	0.551545	-0.18675	0.851857	0.892654	20.0572	21.34906	22.95914	17.85702	25.66933	17.08465
21680	LOC103217	2010.444	-0.10309	0.132177	-0.77994	0.435424	0.533937	2320.672	1717.231	2211.73	1948.647	1818.244	2046.138
23109	HEYL	368.6517	-0.10315	0.190141	-0.5425	0.587475	0.675842	322.5414	451.6147	373.6077	374.9973	295.1973	393.952
19824	PRDX2	2181.117	-0.10322	0.098255	-1.05058	0.293454	0.393536	2279.473	2137.096	2364.791	2073.646	2042.851	2188.845
25842	LOC119628	7.326412	-0.10335	0.916216	-0.11281	0.910184	0.936354	10.29964	6.02153	6.261582	8.928508	6.417332	6.029877
22352	HOXD9	362.6601	-0.10341	0.155124	-0.66664	0.505002	0.600639	356.1507	393.0417	375.6949	372.7652	348.675	329.6333
20882	GPRASP2	1293.907	-0.1035	0.115975	-0.89239	0.372182	0.473827	1399.125	1355.939	1271.797	1185.259	1176.511	1374.812
23947	CDADC1	124.0157	-0.10363	0.249207	-0.41584	0.67753	0.752135	124.1378	123.7151	137.7548	140.624	96.25998	121.6025
22546	FLVCR1	486.5311	-0.10376	0.164001	-0.63266	0.526957	0.621358	550.2177	447.7829	518.3199	395.0865	479.1608	528.6192
20471	MADD	2227.158	-0.10381	0.109189	-0.95071	0.34175	0.443784	2359.702	2292.013	2276.433	2176.324	1903.808	2354.667
21701	STIMATE	687.6598	-0.10385	0.133577	-0.77744	0.436901	0.535229	751.8738	668.3898	720.7777	667.406	598.951	718.5603
22852	LOC103236	293.0082	-0.10397	0.177681	-0.58513	0.558458	0.649682	319.2889	308.7403	278.9883	294.6408	310.171	246.22
20090	RTN3	8606.703	-0.10414	0.102692	-1.01406	0.310553	0.410943	8479.315	10020.92	8253.461	8278.959	8010.969	8596.594
25103	LOC103235	31.47049	-0.10436	0.45409	-0.22981	0.818238	0.866544	30.35684	33.93953	32.69937	33.4819	34.22577	24.11951
22030	ZFP14	405.9738	-0.10439	0.144834	-0.72072	0.471079	0.568481	421.2011	406.727	434.1364	381.6937	402.1528	389.932
21721	ZNF800	1270.844	-0.10443	0.134746	-0.77502	0.438328	0.536484	1175.243	1538.227	1236.315	1154.01	1311.275	1209.995
24115	LOC119627	135.5051	-0.10464	0.269406	-0.3884	0.697723	0.769188	158.2892	113.8617	150.278	93.74933	156.1551	140.6971
24814	CSPG5	48.29014	-0.10466	0.376216	-0.2782	0.780856	0.836586	49.32986	48.71965	50.78839	49.10679	55.61688	36.17926
22682	LOC119615	308.4657	-0.10467	0.171444	-0.61054	0.541503	0.634821	345.309	330.6367	283.1627	279.0159	310.171	302.4988
22876	HOXC9	338.7125	-0.10475	0.179856	-0.58243	0.560278	0.651097	315.4943	419.3174	317.9492	319.1942	333.7013	326.6183
19823	DPP9	3431.113	-0.10479	0.099743	-1.05064	0.293422	0.393514	3546.871	3521.5	3605.976	3305.78	3009.729	3596.822
19118	NFYA	3578.549	-0.10481	0.089941	-1.16529	0.243902	0.339151	3711.665	3862.538	3553.1	3479.886	3330	



25581	SLC49A3	13.95013	-0.10534	0.682129	-0.15442	0.877275	0.911735	14.63633	9.853413	18.78475	13.39276	14.97377	12.05975
19993	RBBP9	1833.029	-0.10543	0.102262	-1.03097	0.302556	0.402314	1827.373	2040.751	1829.774	1812.487	1756.21	1731.58
24122	GSTO2	95.70647	-0.10544	0.272438	-0.38702	0.698742	0.770067	100.286	93.06001	104.3597	78.12444	106.9555	91.45313
22674	MOSMO	265.6743	-0.1055	0.172677	-0.61096	0.541223	0.634578	264.5381	286.8438	273.4224	252.2303	273.8062	243.205
22275	ZNF782	484.2261	-0.10552	0.155678	-0.67782	0.497886	0.594223	460.2313	577.5195	466.14	491.0679	464.187	446.2109
20249	UBR5	11794.97	-0.10555	0.106857	-0.98777	0.323264	0.424415	11683.05	13898.24	11100.39	10948.58	11217.5	11922.07
22725	GOLGA4	11846.87	-0.10557	0.174598	-0.60462	0.545429	0.638074	9963.005	17031.62	9845.295	11448.58	11281.67	11511.03
21364	OSTC	2823.069	-0.10572	0.128676	-0.82161	0.411297	0.511715	3182.047	2377.957	3219.149	2758.909	2723.088	2677.265
19829	POLR1B	4349.207	-0.10578	0.100771	-1.04966	0.293876	0.394003	4690.673	4433.488	4410.241	3939.704	3985.163	4635.97
25794	LOC103242	10.90512	-0.1058	0.877179	-0.12061	0.904	0.931722	12.46799	11.49565	9.044508	11.16063	19.252	2.009959
22038	NFIL3	1560.061	-0.10585	0.147268	-0.71877	0.472283	0.569727	1393.162	2006.812	1451.991	1486.597	1495.238	1526.564
21211	KANSL2	3097.221	-0.10595	0.124878	-0.84844	0.396193	0.496573	3592.948	2695.456	3347.164	3037.925	2772.287	3137.546
22976	LOC103228	213.5183	-0.10599	0.186485	-0.56834	0.569804	0.659307	230.3867	211.301	222.634	209.8199	198.9373	208.0308
20716	MAN2B1	1354.681	-0.10604	0.115683	-0.91663	0.359339	0.46112	1368.768	1462.684	1388.68	1254.455	1204.319	1449.18
19988	COMT	1844.638	-0.10607	0.102843	-1.03134	0.302379	0.402179	1922.78	1954.26	1865.256	1779.005	1647.115	1899.411
25784	LOC119625	8.778621	-0.1061	0.873357	-0.12148	0.903309	0.931371	14.09425	6.568942	6.261582	11.16063	8.556443	6.029877
24622	ERICH5	60.02694	-0.1061	0.339602	-0.31242	0.754718	0.814891	66.67662	62.40495	56.35424	58.0353	68.45154	48.23901
25688	CD79A	10.57915	-0.1063	0.777601	-0.1367	0.891269	0.922392	14.09425	9.306001	9.044508	11.16063	12.83466	7.034856
20103	SHLD2	1690.856	-0.1063	0.105036	-1.01205	0.311516	0.41194	1685.347	1894.045	1677.408	1656.238	1649.254	1582.843
20835	LOC103221	1128.487	-0.10636	0.118242	-0.89955	0.368362	0.470022	1187.711	1250.289	1074.209	1107.135	1013.938	1137.637
20619	FH	3034.525	-0.10648	0.114111	-0.93316	0.350735	0.452218	3469.353	2850.373	3125.921	2783.462	2770.148	3207.894
22010	LOC119624	426.302	-0.10655	0.147196	-0.72385	0.469158	0.566677	447.7633	431.3605	446.6595	448.6575	374.3444	409.0266
22197	UBAP1	1786.487	-0.10655	0.153885	-0.6924	0.488683	0.585288	1543.32	2349.492	1664.189	1689.72	1747.653	1724.545
20280	CIPC	1623.974	-0.10658	0.108442	-0.9828	0.325708	0.426988	1744.434	1682.197	1631.49	1506.686	1469.569	1709.47
24710	LOC119618	64.05149	-0.10659	0.358964	-0.29694	0.76651	0.824673	61.79785	85.39624	51.48412	51.33892	77.00798	57.28383
22141	CUNH12or	376.0268	-0.10662	0.152071	-0.70111	0.483232	0.580197	394.6389	405.6322	370.8248	366.0688	340.1186	378.8773
19982	KPNA1	4677.406	-0.10669	0.10331	-1.03269	0.30175	0.401462	4742.714	5341.097	4470.77	4455.325	4288.917	4765.613
23884	AVPR1B	111.0349	-0.10669	0.250767	-0.42544	0.670513	0.74634	123.5957	107.2927	115.4914	100.4457	104.8164	114.5677
21294	CPNE2	1840.879	-0.10686	0.128023	-0.83466	0.403908	0.504269	1792.138	2209.901	1728.892	1647.31	1745.514	1921.521
25869	LOC103243	8.176501	-0.1072	0.989365	-0.10835	0.913716	0.939006	10.29964	7.663765	7.653045	13.39276	0	10.04979
25429	LOC119623	18.36214	-0.10727	0.608511	-0.17629	0.860067	0.899165	20.59928	16.96977	18.78475	26.78552	14.97377	12.05975
23295	ZNF775	282.5595	-0.10733	0.2085	-0.51477	0.606711	0.692368	340.9723	227.7233	313.0791	258.9267	248.1368	306.5187
26288	LOC119624	1.091709	-0.10737	2.528902	-0.04246	0.966135	0.977013	2.710432	0	0.695731	0	2.139111	1.004979
20440	CEP104	1783.987	-0.10746	0.112412	-0.95594	0.339104	0.441051	1767.744	2028.161	1759.505	1698.649	1610.75	1839.112
24923	LOC119624	49.10541	-0.10759	0.413109	-0.26043	0.794532	0.847516	53.12446	36.12918	62.61582	42.41041	64.17332	36.17926
25026	ATP6V1E2	35.99449	-0.10796	0.447947	-0.241	0.809555	0.859986	39.03022	35.03436	38.96096	20.08914	40.6431	42.20914
20743	PLD2	795.8348	-0.10806	0.118596	-0.91116	0.362209	0.464198	828.308	802.5057	849.488	743.2983	744.4105	806.9985
19981	ARFIP2	2117.259	-0.10813	0.104673	-1.03298	0.301612	0.401299	2244.238	2165.561	2186.684	2015.611	1867.444	2224.02
20243	ARHGAP35	10019.18	-0.10819	0.109416	-0.98882	0.322753	0.423869	9757.555	11480.87	9953.133	9339.219	8860.196	10724.14
22400	ARPC4	4463.082	-0.10822	0.164705	-0.65703	0.51116	0.60666	5352.561	3251.626	5289.646	4205.327	4083.562	4595.771
20361	DCTD	2474.356	-0.10825	0.111856	-0.96773	0.33318	0.435027	2688.206	2474.849	2544.985	2408.465	2100.607	2629.026
22082	JAGN1	1004.881	-0.1083	0.152034	-0.71231	0.476271	0.573366	1136.755	822.76	1170.22	962.0467	930.5131	1006.989
19163	DHX9	17444.73	-0.10843	0.09358	-1.15864	0.246604	0.342097	17973.42	19057.05	17277.1	16328.01	15799.47	18233.34
18975	EIF4H	18809.24	-0.10843	0.091161	-1.18939	0.234286	0.328248	19981.85	19597.34	18976.07	17863.71	16794.16	19642.32
21548	CNF45	638.5464	-0.10843	0.13603	-0.79708	0.425403	0.524843	683.5709	679.8855	628.9412	573.6566	581.8381	683.386
25600	LOC119620	16.66132	-0.10848	0.717849	-0.15112	0.87988	0.913735	19.51511	9.853413	23.65487	13.39276	6.417332	27.13445
17988	AZIN1	7265.049	-0.10875	0.080844	-1.34518	0.178567	0.26391	7722.562	7584.391	7309.354	7066.914	6877.241	7029.831
20219	LIG4	1278.332	-0.10877	0.109421	-0.99401	0.320216	0.421037	1267.94	1427.65	1284.32	1196.42	1253.519	1240.145
18834	CACUL1	6273.642	-0.10879	0.089642	-1.21357	0.224914	0.317475	6585.807	6671.308	6278.976	5993.261	5700.73	6411.769
19939	FAR1	4359.236	-0.10879	0.10453	-1.04077	0.297984	0.397306	4452.155	4938.749	4184.824	3930.776	4145.596	4503.313
22478	MICB	333.2711	-0.10884	0.169543	-0.64199	0.52088	0.616051	320.9151	391.3994	324.2108	341.5154	308.0319	313.5536
22433	FAM222B	346.8668	-0.10885	0.167038	-0.65167	0.514612	0.609912	327.4202	406.727	346.4742	339.2833	316.5884	344.708
21768	RBIS	1105.386	-0.10917	0.142709	-0.76499	0.444276	0.542564	1200.179	939.3587	1301.018	1120.528	1048.164	1023.069
21318	CLK2	2282.332	-0.10928	0.131596	-0.8304	0.40631	0.506697	2099.501	2838.33	2169.986	2140.61	2156.224	2289.343
18983	BICDL1	3772.483	-0.1097	0.092374	-1.1876	0.234992	0.329098	4010.355	3826.409	3917.663	3462.029	3540.228	3878.216
21851	POL4	2829.252	-0.10975	0.145841	-0.75253	0.451735	0.549603	3274.744	2245.483	3288.722	2845.962	2733.783	2586.817
18911	RAB3GAP2	4162.708	-0.10999	0.091537	-1.20158	0.229527	0.322658	4378.974	4522.169	4065.854	3921.847	3933.825	4153.58
21523	LOC103221	893.7565	-0.11004	0.13742	-0.80077	0.423264	0.522812	956.2404	960.7077	871.7514	723.2091	889.87	960.7604
25669	SYCP3	10.25766	-0.11028	0.789144	-0.13974	0.888865	0.920584	10.84173	8.758589	11.82743	13.39276	10.69555	6.029877
25681	LOC103226	10.68532	-0.11028	0.797459	-0.1383	0.890007	0.921337	5.96295	15.32753	11.82743	13.39276	8.556443	9.044815
19550	HADHA	4666.304	-0.11042	0.101232	-1.09072	0.275397	0.374498	4771.986	5219.024	4549.387	4357.112	4248.274	4852.041
20074	TLN1	26947.15	-0.11053	0.108724	-1.01662	0.309335	0.409647	28366.3	28684.93	26895.58	24993.13	22997.58	29745.38
20318	ALG8	1095.784	-0.11055	0.113354	-0.97528	0.329423	0.431032	1227.284	1111.246	1073.514	1069.189	1050.303	1043.169
20129	SPG11	6040.416	-0.11068	0.109803	-1.00801	0.313449	0.413982	6043.179	7137.155	5638.207	5682.995	5655.809	6085.151
20725	MAN1A2	6657.027	-0.11071	0.121027	-0.91471	0.360343	0.462229	6296.333	8230.337	6210.794	6377.187	6291.124	6536.386
20691	BTBD7	5516.502	-0.11079	0.119988	-0.92334	0.355832	0.457172	5317.867	6652.696	5218.681	5140.588	4990.545	5778.632
24771	LOC119628	1067.093	-0.11102	0.387185	-0.28674	0.774314	0.831034	1413.761	583.541	1327.455	1026.778	979.7127	1071.308
19232	SEC61A1	12754.1	-0.11111	0.096751	-1.14843	0.250793	0.346679	13409.05	13301.01	13034.53	11897.24	11277.39	13605.41
23246	LOC103233	203.9407	-0.11115	0.212613	-0.52278	0.601124	0.687503	220.0871	194.8786	222.634	151.7846	218.1893	216.0706
21736	TTL5	1333.126	-0.11122	0.144201	-0.77127	0.440549	0.53878	1239.752	1681.102	1234.227	1281.241	1210.737	1351.697
24002	KCNRG	96.24548	-0.11128	0.273931	-0.40623	0.684573</							



22055	LOC119621	1008.577	-0.11167	0.156069	-0.71551	0.474294	0.571712	1207.226	867.6477	1072.122	977.6716	836.3923	1090.403
18024	NDUFA10	4601.136	-0.11182	0.083539	-1.33853	0.180724	0.266564	4852.757	4847.879	4638.441	4352.648	4442.933	4472.159
20592	KIAA1143	770.8594	-0.11183	0.119118	-0.9388	0.347835	0.449067	781.1465	795.3894	823.0502	749.9947	770.0798	705.4956
18090	ETFA	6633.87	-0.11183	0.084521	-1.32314	0.185789	0.273035	6969.604	6623.136	7076.284	6591.471	6368.132	6174.594
21732	LOC103224	1380.165	-0.11203	0.145116	-0.77202	0.440102	0.538357	1253.304	1759.382	1288.494	1325.883	1311.275	1342.653
18204	PRICKLE4	4642.89	-0.11205	0.086143	-1.30075	0.193344	0.282358	4816.979	4621.251	5032.225	4488.807	4410.846	4487.233
24101	LOC103216	93.81543	-0.11208	0.287032	-0.39047	0.696192	0.767946	90.52842	104.5557	98.09812	104.91	66.31243	98.48799
21116	TMEM242	725.475	-0.11211	0.13002	-0.86223	0.38856	0.489196	749.7054	757.618	752.7813	629.4598	782.9145	680.3711
21860	MED11	379.6698	-0.11225	0.14952	-0.75073	0.452813	0.550687	382.1709	405.0847	397.9583	352.6761	357.2315	382.8972
19797	FAM210A	1343.105	-0.1123	0.106552	-1.05394	0.291911	0.392028	1443.576	1424.913	1320.498	1261.152	1257.797	1350.692
25720	LOC103224	10.68422	-0.11234	0.854244	-0.13151	0.895371	0.925448	4.878777	20.80165	7.653045	11.16063	8.556443	11.05477
21561	EBF3	1391.223	-0.11239	0.141401	-0.79482	0.42672	0.526127	1298.839	1735.843	1303.801	1334.812	1244.962	1429.081
20011	SDHC	2871.188	-0.11254	0.109568	-1.02715	0.304352	0.404338	3263.902	2637.978	3050.086	2678.552	2744.479	2852.132
20500	GNB1	9881.011	-0.1128	0.119137	-0.94684	0.34372	0.445747	9383.515	12060.58	9361.066	9174.042	9108.333	10198.53
18737	LOC103225	10831.21	-0.11286	0.092033	-1.22629	0.220091	0.312276	11541.02	10572.16	11658.37	9912.876	10158.64	11144.22
20822	CLN6	1725.949	-0.11297	0.125347	-0.90129	0.367434	0.46913	1929.827	1638.404	1818.642	1654.006	1454.595	1860.217
24035	LOC119625	88.62393	-0.11313	0.281919	-0.40128	0.688214	0.761198	84.56547	93.60742	98.09812	73.66019	98.39909	83.4133
19805	CDC40	1422.981	-0.11329	0.107626	-1.0526	0.292524	0.392665	1473.391	1583.115	1378.244	1392.847	1362.613	1347.677
19434	ATXN7L3B	5776.148	-0.1133	0.101893	-1.11195	0.26616	0.364059	6439.444	5602.213	5974.245	5330.319	5253.656	6057.011
20050	ZNF638	5482.134	-0.11335	0.111069	-1.02052	0.307483	0.407703	5347.14	6543.761	5200.592	5095.946	5448.315	5257.048
19324	RNF141	3969.979	-0.11335	0.100198	-1.13127	0.25794	0.354861	4028.786	4540.781	3807.042	3874.972	3758.417	3809.877
19606	UEVLD	1936.663	-0.11338	0.104397	-1.08603	0.277466	0.376234	2000.841	2169.393	1865.256	1908.469	1861.026	1814.993
20479	CUNH3orf5	1520.535	-0.11351	0.119465	-0.95018	0.342022	0.443988	1543.32	1759.929	1433.207	1502.221	1518.769	1365.767
25634	LOC103246	10.7516	-0.11357	0.784943	-0.14469	0.884957	0.917788	10.84173	7.116354	16.00182	8.928508	8.556443	13.06473
20069	GNG4	1440.931	-0.11364	0.111639	-1.0179	0.308728	0.408965	1478.27	1606.106	1410.943	1419.633	1283.466	1447.17
19433	MFN2	9725.126	-0.11369	0.10222	-1.1122	0.266052	0.363969	10583.15	9874.762	9875.907	8957.526	8588.529	10470.88
20589	CLOCK	2433.869	-0.11395	0.121363	-0.93892	0.34777	0.449048	2284.894	2947.813	2358.529	2281.234	2318.796	2411.951
21759	COBLL1	1677.172	-0.11401	0.148639	-0.76705	0.443051	0.541316	1516.216	2171.035	1543.132	1526.775	1672.785	1633.092
23873	PHEX	97.05025	-0.11402	0.26715	-0.42682	0.669513	0.74557	101.9122	98.53413	100.881	93.74933	104.8164	82.40832
20114	PSMG2	943.3018	-0.11404	0.112837	-1.01067	0.312175	0.412607	977.9238	1023.66	939.2374	930.797	887.7309	900.4616
21956	HIGD2A	1163.977	-0.11411	0.155264	-0.73497	0.462355	0.559834	1369.852	933.3371	1328.847	1111.599	1067.416	1172.811
20062	NDUF58	2922.936	-0.11414	0.112014	-1.01896	0.30822	0.408435	3107.781	2901.83	3113.398	2825.873	2464.255	3124.481
22148	RFX7	1851.028	-0.11423	0.163193	-0.69999	0.483934	0.580883	1573.677	2509.336	1689.931	1745.523	1779.74	1807.958
20569	ZBTB6	894.8644	-0.11437	0.121293	-0.94295	0.345707	0.447515	929.136	911.4407	955.9349	787.9408	847.0878	937.6458
21557	CDAN1	954.7507	-0.11444	0.143809	-0.79581	0.426144	0.525514	1065.2	846.2987	1071.426	888.3865	832.114	1025.079
21194	GIN1	540.1812	-0.11445	0.134463	-0.85118	0.39467	0.49506	573.5274	535.3688	573.2826	535.7105	534.7777	488.42
22807	LOC119625	250.7622	-0.11445	0.193426	-0.59171	0.554044	0.645837	233.6392	298.3394	251.8548	245.534	213.9111	261.2947
23623	LOC119625	115.579	-0.11454	0.246018	-0.46556	0.64153	0.721969	112.754	130.284	116.8829	109.3742	117.6511	106.5278
21761	LOC103226	1419.158	-0.11455	0.149403	-0.76672	0.443249	0.541509	1644.69	1176.388	1604.357	1517.846	1247.102	1324.563
26238	TRNAY-GU	1.108987	-0.11456	2.252819	-0.05085	0.959442	0.972139	1.626259	1.094824	0.695731	2.232127	0	1.004979
24023	ZSCAN16	87.47417	-0.11469	0.284526	-0.40308	0.686887	0.76011	87.81799	88.68071	95.3152	78.12444	100.5382	74.36848
22308	LOC103246	1533.216	-0.11474	0.170335	-0.67364	0.500543	0.59651	1330.28	2078.523	1374.765	1546.864	1309.136	1559.728
20703	STXBP2	1062.249	-0.11474	0.124622	-0.92074	0.357188	0.45867	1135.129	1029.134	1154.914	1008.921	919.8176	1125.577
25947	LOC119625	5.421213	-0.1148	1.187386	-0.09668	0.922981	0.945676	5.96295	4.926706	5.565851	2.232127	12.83466	1.004979
20722	GPR89A	1080.632	-0.11497	0.125622	-0.91522	0.360078	0.461957	1076.584	1265.616	1029.682	984.368	1065.277	1062.263
19114	LOC103228	2019.385	-0.11502	0.098631	-1.16614	0.243557	0.338756	2077.275	2052.794	2164.42	2017.843	1982.956	1821.023
19397	NDE1	1368.165	-0.11503	0.10287	-1.1182	0.263482	0.361122	1437.071	1423.818	1406.073	1383.919	1255.658	1302.453
21887	ZGPAT	994.2808	-0.11515	0.154265	-0.74642	0.455414	0.553167	1137.839	824.9496	1141.695	984.368	857.7834	1019.049
25963	TRNAQ-CU	4.856084	-0.11519	1.227348	-0.09385	0.925226	0.947392	4.336691	7.116354	4.174388	4.464254	0	9.044815
21109	NCOR1	10069.73	-0.1152	0.133341	-0.86395	0.387613	0.488166	9269.677	12957.24	9188.524	9578.057	9465.565	9959.347
20178	FGFR1OP2	1499.185	-0.1153	0.11524	-1.00053	0.317053	0.417753	1675.047	1417.797	1582.093	1390.615	1548.716	1380.842
25941	LOC119625	4.361727	-0.11532	1.182801	-0.0975	0.922332	0.945201	5.420864	4.379295	3.478657	4.464254	6.417332	2.009959
20503	CBR4	1355.129	-0.11535	0.121978	-0.94564	0.344334	0.446477	1330.28	1589.136	1305.888	1274.545	1379.726	1251.199
25351	LOC119626	17.72505	-0.11544	0.608494	-0.18971	0.849534	0.890886	18.43094	22.9913	13.91463	20.08914	12.83466	18.08963
23704	LOC103246	109.954	-0.11549	0.254943	-0.453	0.650546	0.729614	115.4644	113.8617	112.0128	107.1421	119.7902	91.45313
19717	LOC103235	2874.115	-0.11558	0.108342	-1.06685	0.286039	0.385675	2862.758	3301.441	2807.972	2700.874	2613.993	2957.655
19470	SCG5	5573.203	-0.11579	0.104751	-1.10534	0.269011	0.367335	6198.758	5073.96	6118.957	5386.122	5236.543	5424.879
21616	RHOT2	2867.48	-0.11579	0.146896	-0.78827	0.430539	0.529508	3283.417	2319.384	3349.251	2687.481	2526.29	3039.058
23478	CCNK	287.2157	-0.11592	0.237661	-0.48776	0.625719	0.708506	229.8446	413.2959	253.2462	287.9444	254.5542	284.4092
19834	DKC	1069.76	-0.11596	0.110631	-1.04814	0.294575	0.394841	1148.139	1095.918	1097.168	964.2789	1041.747	1071.308
23326	SELENOO	1027.78	-0.11606	0.227542	-0.51004	0.610022	0.695252	1336.243	649.7778	1225.183	892.8508	855.6443	1206.98
19635	ARPC2	13971.85	-0.11613	0.107558	-1.0797	0.280275	0.379481	13475.73	16665.41	13456.84	13816.87	13555.54	12860.72
20639	ATP13A2	4226.98	-0.11617	0.124943	-0.92974	0.352504	0.454058	4704.768	3844.473	4648.877	4055.775	3542.367	4565.622
23212	LOC103247	184.7974	-0.11626	0.220274	-0.52781	0.597631	0.684475	171.8414	229.3656	176.7158	176.338	162.5724	191.9511
26228	LOC119625	1.094372	-0.11637	2.260616	-0.05148	0.958947	0.971812	1.084173	1.642235	0.695731	0	2.139111	1.004979
21670	LOC103248	444.2943	-0.11642	0.149091	-0.78085	0.434891	0.533529	489.504	480.6276	417.4388	428.5684	406.431	443.1959
18831	COP52	5239.446	-0.11648	0.095947	-1.21402	0.327438	0.317278	5246.854	5922.448	5179.024	5051.303	5215.152	4821.891
20177	HDAC8	1127.485	-0.11659	0.11653	-1.00055	0.317043	0.417753	1154.102	1258.5	1107.604	1002.225	1138.007	1104.472
24891	LOC119626	35.80874	-0.1166	0.436729	-0.26698	0.789488	0.843217	44.45108	28.46541	38.96096	35.71403	32.08666	35.17428
20765	LOC103217	1185.718	-0.11669	0.128363	-0.90903	0.363336	0.465171	1175.243	1390.426	1138.912	1129.456	1048.164	1232.105
24241	ZNF114	92.58442	-0										



19390	ACTR2	13821.54	-0.11697	0.104516	-1.11912	0.263088	0.360694	13463.8	16067.63	13618.94	12718.66	12736.26	14323.97
22235	LOC103226	265.0221	-0.11702	0.170357	-0.68689	0.492152	0.588436	270.5011	274.2533	281.7712	249.9982	267.3888	246.22
25724	LOC119621	9.653676	-0.11702	0.890847	-0.13136	0.895488	0.92547	11.9259	3.284471	15.30609	8.928508	6.417332	12.05975
20175	AP3M1	4368.387	-0.11704	0.116978	-1.00056	0.317038	0.417753	4230.984	5314.274	4090.9	4209.791	4143.457	4220.914
24508	LOC103241	79.24051	-0.11707	0.354885	-0.32988	0.741494	0.804289	103.5385	60.2153	81.40057	87.05295	91.98176	51.25395
21372	TATDN3	590.4729	-0.11711	0.142611	-0.82118	0.411543	0.511925	610.3893	547.4118	684.5997	582.5851	571.1425	546.7088
24198	ELAPOR1	67.18165	-0.11713	0.313195	-0.37398	0.708423	0.778305	73.18166	71.16354	66.09448	60.26743	62.03421	70.34856
18209	DIABLO	4609.252	-0.11728	0.090207	-1.30017	0.193543	0.282571	4827.821	4547.35	5010.657	4477.647	4552.027	4240.008
26170	CUNH19or	2.231169	-0.11755	1.944194	-0.06046	0.95179	0.96698	2.710432	3.284471	0.695731	6.696381	0	0
21136	SIK3	1954.812	-0.11755	0.136698	-0.85993	0.389828	0.490304	1948.258	2412.444	1745.59	1741.059	1852.47	2029.054
18354	DCUN1D1	3295.655	-0.11762	0.092414	-1.27272	0.203116	0.294205	3322.447	3617.297	3348.555	3078.103	3292.091	3115.436
26231	LOC119615	1.110762	-0.11791	2.288988	-0.05151	0.958918	0.971812	0.542086	2.189647	0.695731	2.232127	0	1.004979
25177	LOC103227	24.60744	-0.11793	0.54225	-0.21748	0.827832	0.874106	31.9831	20.80165	22.95914	29.01765	27.80844	15.07469
22066	PPIG	3823.251	-0.11804	0.165221	-0.71441	0.474974	0.572246	3329.494	5298.946	3310.29	3444.172	3831.147	3725.459
24632	LOC119626	51.03409	-0.11817	0.380753	-0.31035	0.756293	0.816257	58.54533	53.09895	47.30973	35.71403	66.31243	45.22408
19833	ATF2	4796.467	-0.1185	0.113055	-1.04817	0.294561	0.394841	4654.354	5766.983	4559.823	4459.79	4620.479	4717.374
19979	ARSK	847.1541	-0.11871	0.114877	-1.03337	0.301429	0.401096	900.4055	861.0788	887.0575	790.173	800.0274	844.1828
25795	LOC119618	6.905774	-0.11874	0.98568	-0.12047	0.904111	0.931801	7.047123	7.116354	6.957314	4.464254	12.83466	6.014938
21305	MARCHF5	1017.654	-0.1188	0.142704	-0.83246	0.405148	0.505556	1164.944	932.2423	1086.732	837.0476	992.5473	1092.413
19240	UBAC1	2681.116	-0.1188	0.103671	-1.14592	0.251829	0.347966	2785.782	2858.584	2734.92	2656.231	2299.544	2751.634
18585	ALDH3A2	8778.896	-0.11881	0.096029	-1.23722	0.216007	0.308988	9290.276	9362.384	8776.651	8028.961	7953.213	9261.891
19325	DGKA	3185.857	-0.11885	0.105058	-1.13124	0.257953	0.354861	3242.219	3529.711	3186.45	2935.247	2857.852	3363.666
25768	LOC103221	6.686542	-0.11885	0.95332	-0.12467	0.900787	0.929347	8.673382	5.474118	6.957314	6.696381	4.278221	8.039836
22270	ING3	274.138	-0.11902	0.175286	-0.679	0.497136	0.593461	280.2587	309.8351	264.3779	279.0159	263.1106	248.2299
19523	TBCK	1589.191	-0.11936	0.108787	-1.09717	0.272569	0.371164	1755.276	1540.964	1671.842	1426.329	1550.855	1589.878
20345	UBL4A	2459.851	-0.11937	0.123062	-0.96997	0.332059	0.433893	2704.469	2434.888	2554.03	2270.073	2062.103	2733.544
20241	YIPF6	1792.067	-0.11941	0.120736	-0.989	0.322664	0.423795	2004.635	1667.964	1932.046	1573.65	1687.758	1886.346
20434	RPP40	706.3289	-0.11947	0.124881	-0.95665	0.338745	0.440714	733.4429	719.2991	750.6941	674.1023	727.2976	633.1371
25506	LOC119628	14.00113	-0.11963	0.733059	-0.1632	0.870364	0.907219	10.84173	18.06459	13.91463	22.32127	12.83466	6.029877
21073	TMEM218	887.651	-0.11965	0.137587	-0.86962	0.384507	0.485081	980.6342	808.5272	980.2855	857.1368	930.5131	768.8093
20413	RRP8	734.3526	-0.11965	0.124737	-0.95925	0.337435	0.439461	782.2306	731.8896	784.0893	694.1915	660.9852	752.7296
22001	PALD1	604.5729	-0.1198	0.164799	-0.72695	0.467255	0.564609	681.9447	503.6189	706.1673	571.4245	541.195	623.0873
19507	CFL1	12264.55	-0.11983	0.108938	-1.09997	0.271344	0.369781	12363.36	14272.12	11691.07	11546.79	10877.38	12836.6
19726	ZRANB1	2479.771	-0.1199	0.112628	-1.06459	0.287063	0.386877	2466.493	2908.399	2375.923	2361.59	2273.875	2492.349
20267	TRAF4	1554.836	-0.12	0.121795	-0.98527	0.32449	0.425646	1678.841	1537.68	1649.579	1446.418	1324.11	1692.385
21722	LOC103241	719.6723	-0.12	0.154895	-0.77475	0.438489	0.536655	658.6349	896.1131	695.0356	716.5128	633.1768	718.5603
21491	RBM45	653.4148	-0.12009	0.149228	-0.80476	0.420958	0.520738	773.5572	625.6917	644.943	546.8711	663.1243	666.3014
21146	SLC29A2	511.6608	-0.12026	0.140062	-0.85865	0.390535	0.490985	545.881	527.705	528.0601	437.4969	511.2474	519.5744
24823	LOC119621	38.5691	-0.12049	0.43451	-0.27729	0.781555	0.836998	36.31979	45.43518	40.35242	31.24978	27.80844	50.24897
19308	ENTPD7	2531.764	-0.12054	0.106354	-1.13342	0.257039	0.353915	2577.079	2818.623	2523.418	2312.484	2303.822	2655.156
20901	LOC119615	769.2195	-0.12056	0.135396	-0.89043	0.373236	0.474737	797.9511	898.3028	708.2545	729.9055	725.1585	755.7446
23043	TMEM17	151.2316	-0.12069	0.217378	-0.55521	0.578748	0.667686	158.8313	155.465	158.6268	156.2489	130.4858	147.732
17381	SPRY2	4945.744	-0.12082	0.084339	-1.43255	0.151987	0.232471	5188.851	5251.322	5019.702	4810.234	4573.419	4830.936
21135	DVL1	3082.084	-0.12084	0.140482	-0.86017	0.389695	0.490184	3484.531	2641.809	3512.052	3031.228	2530.568	3292.313
18622	NUP98	9319.333	-0.12087	0.097904	-1.23462	0.216974	0.309867	9435.013	10524.54	9175.305	8557.975	8603.503	9619.663
18929	SNX7	1682.696	-0.12088	0.100834	-1.19876	0.230621	0.323897	1750.397	1759.929	1749.764	1508.918	1709.149	1618.017
23577	LOC119618	116.2524	-0.12092	0.25595	-0.47245	0.636608	0.717803	101.9122	129.7366	131.4932	104.91	121.9293	107.5328
18508	CUNH5orf	3878.894	-0.12131	0.097072	-1.24972	0.211403	0.303661	3903.022	4413.781	3807.042	3741.045	3741.305	3667.17
22860	LOC103226	226.1108	-0.12142	0.207769	-0.58441	0.558947	0.650026	271.5853	191.5941	244.8974	209.8199	209.6328	229.1353
25870	LOC103230	6.371792	-0.12153	1.125458	-0.10799	0.914006	0.939268	3.252518	6.568942	10.43597	8.928508	0	9.044815
26099	LOC119621	2.617051	-0.1216	1.704734	-0.07133	0.943137	0.960702	0.542086	3.284471	4.174388	6.696381	0	1.004979
24842	LOC119621	35.80735	-0.12175	0.443394	-0.27458	0.783637	0.838619	29.81475	36.12918	45.22254	40.17829	36.36488	27.13445
22019	FAM189B	297.7946	-0.1218	0.168607	-0.72238	0.470058	0.56752	288.932	326.2574	317.9492	265.6231	284.5017	303.5038
25710	LOC119618	8.930222	-0.1218	0.91286	-0.13343	0.893853	0.924274	10.29964	8.211177	9.044508	17.85702	2.139111	6.029877
19542	CHMP3	2172.49	-0.1219	0.111656	-1.09172	0.274958	0.374054	2118.474	2554.224	2119.198	2095.967	2072.798	2074.278
25489	LOC119621	12.47679	-0.12209	0.734147	-0.1663	0.867921	0.90524	15.17842	8.758589	14.61036	11.16063	17.11289	8.039836
19743	ABL2	5333.126	-0.12211	0.115038	-1.06145	0.288487	0.388474	5418.695	6328.628	4932.735	4825.859	5007.658	5485.178
18112	PSMB6	3986.443	-0.12231	0.092731	-1.319	0.187169	0.274729	4339.943	3858.158	4269.703	3830.33	3741.305	3879.221
23516	LOC103248	107.5371	-0.12233	0.254331	-0.48099	0.630527	0.712815	111.1277	122.0728	102.9682	107.1421	98.39909	103.5129
21395	LOC103231	555.9424	-0.12253	0.149905	-0.81737	0.41372	0.51408	558.349	641.5666	541.279	462.0503	562.5861	569.8234
24318	LOC103248	59.56332	-0.12254	0.341578	-0.35874	0.719792	0.786893	59.08741	56.93083	69.57314	69.19594	51.33866	51.25395
22528	CCDC167	582.9336	-0.12255	0.19257	-0.63638	0.524526	0.618986	690.618	430.2657	703.3844	573.6566	519.8039	579.8732
19371	ITPR1	2455.815	-0.12256	0.109048	-1.12392	0.261046	0.358244	2442.641	2806.033	2432.973	2468.732	2160.502	2424.01
20205	WDR59	1395.25	-0.12262	0.123122	-0.99595	0.319276	0.420091	1527.599	1445.167	1398.42	1254.455	1219.293	1526.564
18864	FAM136A	1466.389	-0.12273	0.10141	-1.21023	0.226192	0.318772	1495.616	1601.727	1487.474	1404.008	1424.648	1384.862
23468	LOC119621	121.7772	-0.12288	0.250951	-0.48967	0.624367	0.707295	130.6428	110.5772	139.1463	133.9276	104.8164	111.5527
18091	DNAJC18	2575.183	-0.12292	0.092912	-1.32295	0.185853	0.273115	2686.58	2726.111	2646.562	2348.198	2457.838	2585.812
19750	KRIT1	3721.189	-0.12294	0.115944	-1.0603	0.289009	0.389028	3626.016	4486.587	3525.271	3446.404	3711.357	3531.498
20016	ZSWIM4	820.2167	-0.12296	0.11986	-1.02587	0.304953	0.405034	899.3213	828.2341	841.1392	756.691	765.8016	830.113
19296	CLIC1	21829.04	-0.12298	0.108226	-1.13634	0.255812	0.352445	24855.2	20186.36	23241.6	20564.59	19354.67	22771.83
21540	SAFB2	2238.641	-0.12301	0.15402									



22551	WDR18	689.0539	-0.12332	0.195165	-0.6319	0.527455	0.621808	799.5774	530.9895	827.2246	732.1376	519.8039	724.5902
25930	LOC119622	4.074487	-0.12335	1.231677	-0.10015	0.920224	0.943469	2.168345	6.568942	4.174388	2.232127	4.278221	5.024897
20955	ZFC3H1	2772.138	-0.12345	0.139568	-0.88451	0.376423	0.477557	2508.776	3568.578	2593.687	2749.98	2579.767	2632.041
18676	UBA6	3562.941	-0.12348	0.100263	-1.23157	0.218111	0.310478	3621.137	4052.49	3475.178	3392.833	3281.396	3554.612
20131	PTPRU	2363.546	-0.12361	0.122723	-1.00725	0.313813	0.414421	2620.988	2220.302	2560.291	2214.27	2010.764	2554.658
20412	GOLM2	6524.102	-0.12363	0.128855	-0.95944	0.337338	0.439355	6136.96	8289.457	5983.29	6200.849	6291.124	6242.932
19919	PSMF1	1851.706	-0.12373	0.118484	-1.04429	0.29635	0.395525	1777.501	2181.983	1837.427	1703.113	1719.845	1890.366
20348	DHX58	837.7405	-0.12404	0.127958	-0.96936	0.332367	0.434243	941.0619	799.7687	884.2746	767.8517	772.219	861.2674
19050	MAD11L	1514.405	-0.12405	0.105338	-1.17761	0.238952	0.333526	1647.4	1528.921	1566.787	1424.097	1377.587	1541.639
25827	LRRD1	5.176043	-0.12407	1.068175	-0.11615	0.907531	0.934185	5.420864	4.379295	6.261582	6.696381	4.278221	4.019918
22868	LOC103246	177.8241	-0.12407	0.212674	-0.5834	0.559623	0.650585	190.2723	182.2881	186.456	169.6417	143.3204	194.966
22791	LOC103218	272.8662	-0.12411	0.208981	-0.59386	0.552604	0.644596	316.0364	226.6285	314.4706	245.534	231.024	303.5038
21613	PDCL3	1116.034	-0.12422	0.15742	-0.78909	0.430059	0.528993	1005.57	1456.663	1027.595	1120.528	1073.834	1012.014
22005	PDE1C	502.5512	-0.12423	0.171281	-0.72532	0.468257	0.565717	474.8677	608.7219	485.6205	453.1218	566.8643	426.1113
24642	LOC103228	45.09653	-0.12432	0.40291	-0.30856	0.757656	0.817396	57.46116	35.03436	48.00546	49.10679	42.78221	38.18922
21408	ZBTB2	872.8682	-0.12433	0.152395	-0.81581	0.414608	0.514935	804.9983	1096.466	830.7033	877.2259	761.5234	866.2923
19644	CSRNP2	1211.238	-0.12436	0.115321	-1.0784	0.280854	0.380084	1268.482	1328.568	1198.049	1071.421	1148.702	1252.204
18512	SERPINB6	1797.732	-0.12455	0.099682	-1.24946	0.211497	0.303746	1808.4	1963.019	1852.037	1796.862	1687.758	1678.316
19937	BRD8	4495.084	-0.1246	0.119668	-1.0412	0.297785	0.397081	4219.6	5469.191	4381.716	4234.345	4089.98	4575.672
18158	PNRC2	3518.657	-0.12462	0.095062	-1.31089	0.189893	0.278021	3485.615	3960.524	3563.536	3419.619	3371.238	3311.407
20756	PRPSAP1	1258.288	-0.12464	0.136897	-0.91047	0.362573	0.464437	1405.088	1126.026	1412.335	1082.582	1185.067	1338.633
20397	KIF21A	4562.715	-0.12468	0.129623	-0.96189	0.336106	0.438074	4287.361	5773.005	4218.915	4220.952	4462.185	4413.87
19431	PARG	3495.785	-0.12475	0.112091	-1.11295	0.265729	0.363564	3377.198	4179.489	3384.733	3314.709	3300.648	3417.935
22456	SMDT1	1087.555	-0.1248	0.192389	-0.64869	0.516541	0.611518	1305.886	752.1438	1346.936	1058.028	983.9909	1078.343
24715	SLC16A10	43.00697	-0.1248	0.421853	-0.29585	0.767346	0.825324	50.41403	39.96106	43.13534	33.4819	59.8951	31.15436
26242	TRNAV-AA	1.440257	-0.12484	2.485396	-0.05023	0.95994	0.972487	1.626259	2.737059	0	0	4.278221	0
19505	ATG101	1687.631	-0.12493	0.113553	-1.10021	0.271242	0.369699	1888.629	1603.917	1794.291	1515.614	1595.777	1727.56
19972	COMMD1C	2320.937	-0.12495	0.120846	-1.03399	0.301142	0.400854	2494.681	2070.859	2696.655	2263.377	2284.57	2115.482
18573	UBTD2	2481.615	-0.12533	0.101136	-1.23926	0.215251	0.308106	2444.267	2796.727	2529.679	2381.679	2278.153	2459.185
21096	FOXJ2	1291.219	-0.12534	0.144793	-0.86564	0.386688	0.487326	1204.516	1613.223	1227.966	1151.778	1185.067	1364.762
18094	EXOC5	6632.716	-0.12564	0.094986	-1.32275	0.18592	0.273167	6648.689	7534.576	6584.402	6241.027	6162.778	6624.825
19306	PPP2R5A	1902.442	-0.12613	0.111267	-1.13357	0.256973	0.353842	2083.238	1940.575	1936.916	1899.54	1610.75	1943.63
17216	HYAL1	10683.78	-0.12639	0.086254	-1.46535	0.142826	0.220552	11206.55	11363.17	10891.67	10064.66	9698.728	10877.9
20022	MAGAT1	4119.325	-0.12654	0.12354	-1.02431	0.305689	0.40589	4669.532	3673.133	4563.302	3834.794	3606.541	4368.646
20182	KLHL28	664.8941	-0.12661	0.126604	-1.00001	0.317305	0.417974	733.4429	660.1786	689.4698	649.549	607.5074	649.2167
26144	LOC103235	1.508394	-0.12668	1.957982	-0.0647	0.948414	0.964412	1.626259	1.094824	2.087194	2.232127	0	2.009959
19714	LOC103245	1544.823	-0.12671	0.118711	-1.06737	0.285805	0.385445	1749.313	1603.917	1490.257	1399.544	1396.839	1629.072
18684	HSPA14	1708.949	-0.12673	0.102936	-1.23117	0.218259	0.310556	1787.801	1762.666	1796.378	1627.221	1754.071	1525.559
24338	LOC119615	68.14345	-0.12676	0.355529	-0.35654	0.72144	0.788014	73.18166	78.27989	59.8329	62.49956	89.84265	45.22408
21099	LOC103218	684.7694	-0.12684	0.146589	-0.86527	0.386892	0.487489	643.4565	818.9281	680.4253	718.7449	613.9248	633.1371
20787	VPS72	1908.526	-0.12689	0.140009	-0.90632	0.364769	0.466511	1773.707	2431.056	1769.941	1904.004	1826.801	1745.649
24214	LOC119627	78.81756	-0.12698	0.341809	-0.3715	0.710268	0.779816	79.14461	89.22813	76.53045	62.49956	111.2338	54.26889
18759	FMNL2	6316.212	-0.12721	0.103972	-1.22353	0.221131	0.313384	6212.31	7403.197	6170.442	6049.064	5784.155	6278.107
18803	NICN1	1452.501	-0.12724	0.104566	-1.21687	0.223654	0.316218	1493.99	1544.796	1515.999	1354.901	1321.97	1483.35
19350	UBE2Q1	3507.244	-0.12734	0.113024	-1.12668	0.259878	0.357048	3438.454	4198.101	3350.642	3339.262	3257.866	3459.139
17994	SELENOI	5811.935	-0.12741	0.094773	-1.34435	0.178834	0.264216	6471.427	5879.75	5860.145	5408.444	5311.412	5940.434
26056	LOC103230	2.953302	-0.12743	1.663233	-0.07662	0.938929	0.957992	2.168345	0.547412	6.261582	4.464254	4.278221	0
23923	GRK4	82.59339	-0.12758	0.304153	-0.41946	0.674878	0.749975	88.90216	82.65918	85.57496	71.42806	102.6773	64.31869
16991	MTMR6	3994.114	-0.12759	0.085406	-1.49392	0.135196	0.211535	4188.159	4045.921	4280.139	3745.509	3824.73	3880.226
25648	LOC103247	8.080163	-0.12766	0.895626	-0.14254	0.886653	0.919045	6.505036	8.211177	10.43597	4.464254	12.83466	6.029877
22324	TMEM170	231.6718	-0.12775	0.190414	-0.67093	0.502264	0.598132	270.5011	219.5121	236.5487	207.5878	226.7457	229.1353
24639	LOC119626	44.56102	-0.12797	0.414147	-0.30899	0.757326	0.817107	48.78777	50.9093	38.26523	44.64254	55.61688	29.1444
18743	IFT80	4355.128	-0.12804	0.104468	-1.22564	0.220333	0.312519	4366.506	5103.52	4173.692	4127.203	4218.326	4141.52
21125	SCFD2	564.5276	-0.12815	0.14878	-0.86137	0.389036	0.489591	546.4231	651.4201	575.3698	493.3001	517.6648	602.9877
19314	ZNF76	1103.347	-0.1282	0.113223	-1.13223	0.257536	0.354432	1155.186	1143.543	1163.959	1022.314	990.4092	1144.672
21024	RGL3	437.1598	-0.12822	0.146238	-0.8768	0.380596	0.481266	428.7903	489.3862	450.1382	417.4077	434.2385	402.9968
25112	LOC103227	22.16306	-0.12824	0.561335	-0.22846	0.819287	0.867327	30.89892	15.87494	22.2634	22.32127	23.53022	18.08963
21050	EML3	1364.717	-0.12829	0.147019	-0.87263	0.382865	0.483532	1591.566	1186.789	1503.475	1256.687	1159.398	1490.385
22213	ASB13	419.9125	-0.12834	0.185974	-0.69008	0.490146	0.586617	462.9418	338.3005	515.5369	415.1756	376.4835	411.0366
18140	LOC103245	3081.039	-0.12843	0.097689	-1.31468	0.188616	0.276426	3090.434	3437.199	3131.487	2850.426	2864.269	3112.421
20885	CBWD1	1278.254	-0.12846	0.143979	-0.89223	0.37227	0.473871	1224.031	1624.171	1157.001	1212.045	1217.154	1235.12
18153	GNG12	5400.021	-0.12856	0.097962	-1.31232	0.189412	0.277393	5342.261	6203.818	5378.003	5102.642	5026.91	5346.491
25855	LOC119627	5.102711	-0.12871	1.162693	-0.1107	0.911854	0.93763	3.794605	4.926706	6.957314	2.232127	10.69555	2.009959
21075	SLC03A1	815.2166	-0.1288	0.148184	-0.86918	0.384749	0.485355	797.409	955.2336	807.7441	667.406	770.0798	893.4267
21416	CXCL14	5144.608	-0.12896	0.158191	-0.81524	0.414933	0.515057	4402.825	7061.065	4657.922	5113.803	4832.251	4799.782
22147	LOC103214	314.9989	-0.12898	0.184227	-0.70009	0.48387	0.580831	312.7838	368.9556	303.3389	272.3195	357.2315	275.3644
24202	LOC103225	59.49346	-0.12898	0.345146	-0.3737	0.708626	0.778399	67.7608	60.76271	56.35424	66.96381	59.8951	45.22408
19131	LOC103225	1357.96	-0.12899	0.110807	-1.16411	0.244379	0.339596	1443.576	1433.124	1385.201	1263.384	1206.458	1416.016
24435	LOC119627	87.96985	-0.12914	0.380094	-0.33975	0.734043	0.798631	120.8853	48.17224	107.8384	64.73168	87.70354	98.48799
20125	MAP3K4	3337.507	-0.12919	0.128103	-1.0085	0.313212	0.413751	3264.444	4141.718	3057.044	3024.532	3144.493	3392.811
23412	LOC119625	108.0446	-0.12928										



19804	LOC103232	1236.867	-0.12963	0.123136	-1.05278	0.292442	0.392576	1205.058	1444.62	1231.445	1133.921	1135.868	1270.294
25154	SCG2	23.34941	-0.12972	0.587377	-0.22085	0.825209	0.872155	23.8518	25.72836	22.2634	37.94616	19.252	11.05477
25319	LOC10324	15.30873	-0.13012	0.660903	-0.19688	0.84392	0.886117	15.17842	14.23271	19.48048	11.16063	10.69555	21.10457
26962	TSHB	0.489755	-0.13014	3.62671	-0.03588	0.971375	NA	0.542086	0	1.391463	0	0	1.004979
20736	PAXIP1	1476.736	-0.13015	0.142575	-0.91286	0.361314	0.463229	1383.404	1883.644	1363.633	1388.383	1386.144	1455.21
19353	TRERF1	1344.228	-0.13015	0.115548	-1.12639	0.260001	0.357151	1338.411	1559.029	1318.411	1272.312	1255.658	1321.548
18075	DENND5A	5729.4	-0.13019	0.098	-1.32852	0.184008	0.270642	6017.701	6229.546	5723.782	5316.926	5101.779	5986.663
20505	RWDD3	536.8488	-0.13023	0.137774	-0.94522	0.344547	0.44671	547.5072	566.0238	565.6296	529.0141	547.6123	465.3055
19222	TTC31	1045.733	-0.13025	0.113216	-1.15043	0.249966	0.345715	1103.688	1105.224	1072.818	915.1721	1035.33	1042.164
23029	FAM71E1	172.8926	-0.1303	0.233841	-0.55723	0.577368	0.666522	196.7774	140.1374	205.9365	169.6417	154.016	170.8465
18316	ZDHHIC17	1568.429	-0.13031	0.101814	-1.27985	0.200597	0.291147	1712.451	1580.378	1626.62	1522.311	1433.204	1535.609
18237	FLNB	26061.1	-0.13033	0.100698	-1.2943	0.19556	0.285047	26526.45	28984.91	26209.59	24403.84	22685.27	27556.54
19187	ISG20L2	1345.61	-0.13042	0.112792	-1.15626	0.247574	0.343032	1380.152	1519.068	1323.281	1267.848	1223.571	1359.737
18384	LOC10323	1423.242	-0.13043	0.102894	-1.26759	0.204946	0.296443	1426.771	1509.762	1525.043	1417.401	1319.831	1340.643
20007	WDR6	8714.431	-0.13044	0.12684	-1.0284	0.30376	0.403632	10140.27	7919.407	9272.708	7955.301	7418.436	9580.469
23586	LOC10322	99.34692	-0.1305	0.277243	-0.47069	0.637861	0.718967	111.6698	107.2927	91.14081	87.05295	115.512	83.4133
21045	IRF2BP1	738.9439	-0.13054	0.149362	-0.87398	0.382132	0.482726	801.2037	693.0234	825.8331	767.8517	583.9772	761.7744
18865	BICD2	2273.108	-0.13057	0.107917	-1.20995	0.226297	0.318904	2384.096	2417.371	2334.179	2109.36	1978.677	2414.966
20798	BDP1	5430.133	-0.13062	0.144395	-0.9046	0.365676	0.467444	5105.369	7160.147	4762.281	4903.983	5330.664	5318.351
18388	PLEKHO1	2046.351	-0.13075	0.103231	-1.26657	0.205308	0.296831	2115.221	2232.893	2074.671	1924.093	1826.801	2104.427
19120	TP53RK	1386.733	-0.13099	0.11243	-1.16506	0.243994	0.339257	1411.051	1586.399	1351.806	1350.437	1277.049	1343.658
25719	ZNF625	8.413538	-0.13101	0.994029	-0.1318	0.895143	0.925284	8.131296	9.853413	8.348776	0	17.11289	7.034856
24458	TMEM265	54.73792	-0.13104	0.389072	-0.33681	0.736258	0.800255	62.33993	54.19377	52.87558	66.96381	59.8951	32.15934
18257	GNE	2073.865	-0.13107	0.101429	-1.29219	0.19629	0.285829	2251.285	2171.035	2087.194	1933.022	1878.139	2122.517
19396	ELOF1	2283.211	-0.13108	0.117211	-1.1183	0.26344	0.361082	2592.257	2141.475	2432.973	2002.218	2145.528	2384.816
24690	LOC10324	33.39089	-0.13108	0.435705	-0.30084	0.763535	0.822138	38.48813	34.48694	32.00364	31.24978	29.94755	34.1693
16849	NEK7	3049.103	-0.1312	0.086565	-1.51558	0.129625	0.204527	3188.552	3179.915	3193.407	2868.283	2986.198	2878.261
22575	LOC11962	367.4108	-0.13131	0.208672	-0.62925	0.529186	0.623186	459.1472	317.4989	372.912	312.4978	444.935	297.4739
25615	LOC10322	9.947294	-0.13147	0.886287	-0.14834	0.882075	0.915478	13.01007	3.831883	13.91463	8.928508	14.97377	5.024897
21405	LOC10322	1045.501	-0.13153	0.161256	-0.81566	0.414692	0.514935	894.9846	1357.581	1024.117	1022.314	1052.442	921.5662
17576	PCNT	6211.691	-0.13166	0.093764	-1.4042	0.160259	0.242403	6551.656	6690.467	6250.451	5718.709	5628	6430.864
25742	LOC11962	8.398475	-0.13172	1.02442	-0.12858	0.897694	0.927091	12.46799	4.379295	9.044508	2.232127	19.252	3.014938
24177	LOC10321	76.8664	-0.13175	0.348505	-0.37805	0.705396	0.775653	66.67662	109.4824	64.00729	64.73168	91.98176	64.31869
20228	ZNF839	561.6433	-0.13175	0.132938	-0.99108	0.321645	0.422728	620.6889	591.2048	549.6278	540.1747	530.4994	537.664
21766	WDR27	598.3876	-0.13175	0.172091	-0.7656	0.443913	0.542196	748.6213	502.524	623.3753	575.8888	620.3421	519.5744
18310	MRPL33	4348.997	-0.13184	0.102938	-1.28074	0.200286	0.290803	4431.556	4311.415	4893.774	4216.488	4442.933	3797.817
22050	B4GAT1	939.6217	-0.13204	0.18438	-0.71614	0.473907	0.571349	1123.745	730.7948	1098.56	783.4766	827.8358	1073.318
18312	NDUFA9	3669.613	-0.13216	0.103205	-1.28051	0.200365	0.290892	4045.591	3474.423	3997.672	3462.029	3330.595	3707.369
20284	EHBP1	1900.828	-0.13216	0.134721	-0.98101	0.326589	0.428041	1834.962	2369.198	1762.288	1747.755	1739.097	1951.67
23174	LOC11962	133.8379	-0.13228	0.247895	-0.53362	0.593604	0.680936	144.195	125.9047	152.3652	124.9991	104.8164	150.7469
23893	CUNH17or	101.2035	-0.13231	0.312186	-0.42383	0.671688	0.747351	94.32303	108.3875	115.4914	58.0353	130.4858	100.4979
20693	SPATA2	487.6126	-0.13236	0.143373	-0.9232	0.355902	0.457219	470.531	545.7696	514.1455	484.3716	438.5177	472.3404
19085	CCM2	2010.896	-0.13262	0.113167	-1.17186	0.241253	0.33606	2206.834	1992.579	2117.806	1866.058	1745.514	2136.586
25772	LOC11962	5.554408	-0.13263	1.069303	-0.12403	0.901288	0.92972	7.047123	7.116354	3.478657	2.232127	6.417332	7.034856
25538	LOC11962	9.982737	-0.13277	0.831139	-0.15974	0.873084	0.908879	10.29964	6.568942	13.91463	13.39276	10.69555	5.024897
21425	COQ3	551.3627	-0.13279	0.163049	-0.81444	0.415394	0.515437	650.5036	472.9638	608.7649	482.1394	539.0559	554.7487
21439	KLHL13	455.2644	-0.13293	0.163534	-0.81286	0.416298	0.516222	462.9418	523.8731	446.6595	410.7114	382.9008	504.4997
24989	LOC11961	25.2531	-0.13296	0.537632	-0.2473	0.804676	0.856069	28.18849	27.918	22.2634	37.94616	17.11289	18.08963
19791	GCSH	1384.33	-0.13296	0.126084	-1.05453	0.291639	0.391755	1324.859	1639.498	1376.852	1281.241	1435.343	1248.185
18924	SPTSSA	1491.975	-0.13303	0.110899	-1.19953	0.230322	0.323564	1519.468	1501.551	1661.407	1321.419	1538.021	1409.986
20088	CUNH19or	814.511	-0.13325	0.131323	-1.01466	0.310268	0.410617	948.6511	811.2643	799.3953	752.2268	744.4105	831.118
23254	NME3	551.5658	-0.13331	0.255592	-0.52158	0.601965	0.688193	685.1972	312.0247	733.9966	582.5851	477.0217	518.5694
24457	LOC10321	46.9208	-0.1338	0.397046	-0.33699	0.736123	0.800173	40.11439	54.19377	52.87558	58.0353	32.08666	44.2191
28891	LOC10321	0.490642	-0.1338	3.624594	-0.03692	0.970552	NA	0	0.547412	1.391463	0	0	1.004979
20002	ERCC1	1487.512	-0.13397	0.130117	-1.03957	0.303211	0.403008	1698.899	1326.926	1647.492	1424.097	1309.136	1518.524
25726	BRINP2	5.883776	-0.13397	1.024606	-0.12075	0.895969	0.925886	4.336691	7.663765	6.261582	4.464254	8.556443	4.019918
25730	PLA2G1B	5.567806	-0.13401	1.030645	-0.13003	0.896546	0.926338	5.420864	7.116354	4.87012	6.696381	4.278221	5.024897
19543	LOC10322	3284.687	-0.13416	0.122906	-1.09154	0.275035	0.374139	3067.667	3981.874	3257.414	3218.727	3309.204	2873.236
17539	BBS9	1822.523	-0.13427	0.095216	-1.41018	0.158487	0.240229	1937.417	1935.648	1849.95	1727.666	1717.706	1766.754
23952	XKR8	66.05691	-0.13434	0.323935	-0.41472	0.678347	0.752917	65.59245	77.73248	63.31155	73.66019	57.75599	58.28881
25205	LOC11961	16.28374	-0.13441	0.627195	-0.21431	0.830307	0.875767	16.26259	19.70683	14.61036	20.08914	14.97377	12.05975
17976	ELOC	2322.436	-0.13444	0.099757	-1.34764	0.177775	0.262915	2322.298	2411.896	2552.638	2287.93	2284.57	2075.283
20481	RPAP3	2876.506	-0.13447	0.141543	-0.95003	0.342098	0.444055	2634.54	3748.676	2648.649	2720.963	2695.279	2810.928
19304	GTF2F1	4701.663	-0.13458	0.118592	-1.13483	0.256448	0.353173	4527.505	5773.552	4461.725	4571.396	4308.169	4567.632
19781	HDDC3	670.5881	-0.13465	0.12749	-1.05615	0.2909	0.390958	692.7864	688.0967	728.4307	636.1562	594.6728	683.386
20806	HDAC7	2024.127	-0.13473	0.149146	-0.90335	0.36634	0.468083	2294.652	1784.015	2284.086	1892.844	1612.889	2276.278
19882	DCAF4	825.5176	-0.13473	0.128612	-1.0476	0.294825	0.395012	858.1227	933.8846	802.874	716.5128	808.5838	833.128
24837	LOC11962	34.97828	-0.13474	0.489513	-0.27526	0.783118	0.838233	43.909	23.53871	43.83108	24.5534	27.80844	46.22906
16700	PPP2CA	7249.13	-0.13491	0.087447	-1.54278	0.122885	0.19561	7643.96	7593.149	7534.075	6555.757	6785.259	7382.579
25604	LOC10322	9.002282	-0.13498	0.898355	-0.15026	0.880561	0.914299	9.757555	4.379295	14.61036	8.928508	4.278221	12.05975
19656	CTNBNB1	1915.14	-0.13513	0.125432	-1.07727	0.281358	0.380541	1924.407	2				



18418	SNRPB2	3291.486	-0.13548	0.10737	-1.26181	0.207017	0.298813	3148.438	3838.452	3347.859	3131.674	3268.561	3013.933
20350	LOC103214	794.4319	-0.13553	0.139855	-0.9691	0.332496	0.434369	929.136	717.1095	846.7051	765.6196	791.4709	716.5504
19056	RING1	3014.628	-0.13559	0.115281	-1.17618	0.239523	0.334158	2912.63	3629.888	2927.638	2866.051	2780.844	2970.719
18563	ARHGAP1C	1460.73	-0.13562	0.109271	-1.24111	0.214566	0.307291	1503.748	1592.421	1497.91	1308.026	1349.779	1512.494
25045	LOC103236	25.22963	-0.1358	0.569876	-0.2383	0.811648	0.861555	36.86187	24.63353	16.69755	35.71403	21.39111	16.07967
21108	AP4B1	572.7123	-0.13586	0.157253	-0.86396	0.38761	0.488166	681.4026	522.2309	599.0247	533.4783	494.1346	606.0026
25132	LOC119621	21.68208	-0.13598	0.601378	-0.22611	0.821119	0.868592	23.8518	24.63353	18.78475	13.39276	36.36488	13.06473
19076	SDHAF2	1745.001	-0.13603	0.115907	-1.17359	0.240558	0.33525	1857.188	1638.951	1989.792	1662.935	1559.412	1761.729
23120	LOC103245	137.7159	-0.13605	0.251805	-0.54031	0.588986	0.67725	132.2691	156.5598	143.3207	102.6778	166.8506	124.6175
19474	RFX3	1553.914	-0.13628	0.123389	-1.10445	0.269396	0.367739	1533.02	1871.601	1478.429	1453.115	1456.734	1530.584
19043	CUNH17or	1066.136	-0.13654	0.115922	-1.17786	0.238854	0.333453	1068.452	1196.642	1087.428	953.1182	1028.912	1062.263
16442	GAPDH	83165.59	-0.13654	0.086333	-1.58154	0.113754	0.183928	85986.28	88294.24	87022.78	77675.79	74530.89	85483.55
23090	LOC119621	383.164	-0.13662	0.249711	-0.54711	0.584304	0.672747	290.5583	594.4892	317.9492	379.4616	365.7879	350.7378
21631	SLC4A5	378.9326	-0.13681	0.174339	-0.78471	0.432621	0.531702	356.1507	469.1319	366.6504	366.0688	333.7013	381.8922
18404	ASF1A	1125.411	-0.13683	0.108257	-1.26393	0.206255	0.297908	1156.812	1204.853	1170.916	1124.992	1073.834	1021.059
18793	RANBP9	3088.696	-0.13694	0.11232	-1.21915	0.222786	0.315158	2997.196	3701.051	3006.951	2903.997	2973.364	2949.615
21224	MDM1	766.3577	-0.13696	0.161585	-0.84764	0.396641	0.496806	683.5709	981.5094	741.6496	694.1915	795.7492	701.4757
16580	MKLN1	9155.673	-0.13706	0.08783	-1.5605	0.118641	0.190233	9661.063	10127.67	8983.979	8479.85	8753.241	8928.238
17798	RUSF1	2206.698	-0.13706	0.099608	-1.37599	0.168824	0.252436	2366.749	2295.845	2275.737	2154.003	1935.895	2211.96
20919	PHF3	9351.984	-0.13733	0.154583	-0.8884	0.374323	0.475701	8291.753	12853.78	8245.112	8814.669	8753.241	9153.353
19347	CDC123	2761.562	-0.13736	0.121817	-1.12755	0.259509	0.356604	2715.853	3385.742	2575.598	2602.66	2701.697	2587.822
19975	VARS2	5382.507	-0.13744	0.132949	-1.03377	0.301243	0.400916	6295.791	4698.436	5928.327	5008.893	4564.862	5798.732
18745	CMTM3	2884.633	-0.13745	0.1122	-1.22504	0.220559	0.312807	3169.037	2845.994	3059.131	2660.695	2485.647	3087.297
18409	AK1	1204.246	-0.13752	0.10881	-1.26382	0.206295	0.297927	1226.741	1332.4	1225.879	1187.492	1095.225	1157.736
22380	NUDT8	388.5483	-0.13768	0.208198	-0.6613	0.508421	0.603949	462.9418	302.1713	459.8784	319.1942	352.9533	434.1511
18267	LOC103231	8440.787	-0.13795	0.106918	-1.29023	0.19697	0.286662	8291.753	10032.96	8211.022	7754.409	7865.51	8489.062
23462	LOC119621	94.16839	-0.13801	0.281187	-0.49081	0.623563	0.706561	102.9964	100.1764	93.228	69.19594	106.9555	92.45811
19087	FUT8	759.2659	-0.13803	0.117818	-1.17155	0.241378	0.3362	795.7828	805.7902	782.6978	743.2983	731.5758	696.4508
20683	PNPLA6	2241.522	-0.13803	0.149352	-0.92421	0.355374	0.456782	2611.772	1913.752	2526.896	2073.646	1841.774	2481.294
21910	TSPYL2	1380.427	-0.13806	0.18581	-0.74304	0.457457	0.555066	1135.671	1984.368	1218.921	1292.402	1332.666	1318.533
25432	LOC119618	10.3325	-0.13817	0.786571	-0.17567	0.860557	0.899571	11.38381	8.758589	11.82743	11.16063	12.83466	6.029877
16868	SLC25A37	5547.098	-0.13832	0.091502	-1.51163	0.130629	0.205867	5780.267	6163.857	5498.365	5098.178	5221.569	5520.352
18109	EIF2A	4681.559	-0.1384	0.104879	-1.3196	0.186969	0.274481	4622.913	5499.846	4591.827	4444.165	4633.314	4297.292
20156	CFAP298	1367.317	-0.13855	0.13824	-1.00221	0.31624	0.417109	1340.58	1702.998	1257.187	1290.169	1322.128	1380.842
24447	LOC119621	39.86006	-0.13855	0.410035	-0.3379	0.735441	0.799759	44.45108	35.03436	46.614	33.4819	36.36488	43.21412
24479	LOC103231	43.58036	-0.13858	0.415444	-0.33357	0.738701	0.802219	42.28274	33.93953	61.22436	40.17829	40.6431	43.21412
18255	MFS14B	4460.728	-0.13867	0.107304	-1.29234	0.19624	0.285771	5045.74	4257.769	4727.495	4207.559	3920.99	4604.816
19959	PYM1	1065.606	-0.13877	0.133915	-1.03624	0.300092	0.399717	1041.348	1278.207	1028.291	1109.367	962.5998	973.8251
19205	LOC119618	1782.739	-0.13877	0.120454	-1.15207	0.249293	0.34509	1938.501	1784.015	1890.302	1678.559	1484.543	1920.516
18205	PHF6	5782.372	-0.13884	0.106754	-1.30055	0.193412	0.282442	5723.348	6886.441	5572.113	5537.907	5360.611	5613.815
19262	CCHCR1	1247.128	-0.13899	0.12164	-1.14268	0.253173	0.349424	1369.852	1231.677	1325.368	1203.116	1050.303	1302.453
17550	ATE1	2831.005	-0.13911	0.098827	-1.40759	0.159254	0.24124	3017.253	2982.3	2910.244	2549.089	2592.602	2934.54
15923	TRPM7	5509.456	-0.13916	0.082804	-1.68055	0.09285	0.155022	5947.23	5727.57	5650.034	5136.124	5347.777	5248.003
19041	ZMYM4	5852.133	-0.13923	0.118182	-1.1781	0.238756	0.333351	5665.887	7228.026	5509.497	5546.836	5480.402	5682.154
17852	CFMEM43	4948.518	-0.13935	0.101796	-1.3689	0.171032	0.254701	5355.271	5095.309	5119.191	4703.092	4237.578	5180.669
25339	LOC119621	12.75206	-0.13937	0.723192	-0.19271	0.847184	0.888842	14.63633	13.6853	12.52316	11.16063	6.417332	18.08963
18045	UBXN4	7653.663	-0.13938	0.104386	-1.33524	0.181798	0.267837	7659.68	9062.95	7346.923	7053.521	7433.41	7365.495
20375	SPATA5L1	486.2316	-0.13946	0.144437	-0.96554	0.334276	0.436159	536.1234	498.6922	497.4479	466.5145	417.1266	501.4848
25510	LOC103225	15.19179	-0.1395	0.858024	-0.16258	0.870848	0.907376	7.047123	34.48694	5.565851	15.62489	21.39111	7.034856
19922	LOC103225	763.5249	-0.13953	0.133678	-1.04381	0.296572	0.395762	838.0655	833.7082	733.9966	669.6381	703.7674	801.9736
21182	LOC103236	341.8669	-0.13983	0.163911	-0.85311	0.393597	0.493994	335.0094	397.421	342.9956	308.0335	340.1186	327.6233
17582	SREBF2	11283.23	-0.13992	0.099725	-1.40302	0.160611	0.242854	11980.11	12084.12	11435.04	10383.85	9839.909	11976.34
20147	STXBP4	563.2375	-0.14009	0.13952	-1.00408	0.315342	0.41611	567.0223	641.0192	562.8467	502.2286	579.699	526.6092
18006	TOM1L1	3027.308	-0.14023	0.104515	-1.34169	0.179695	0.265311	3004.785	3513.836	3000.689	2966.497	2911.33	2766.708
18974	STAU2	4586.161	-0.14023	0.117899	-1.18944	0.234268	0.32824	4476.549	5630.131	4319.1	4256.666	4489.993	4344.526
21883	CABYR	569.5294	-0.14035	0.1879	-0.74696	0.455087	0.552872	515.5241	774.5877	500.9266	502.2286	588.2554	535.6541
22202	KIF25	285.1541	-0.1404	0.202989	-0.69168	0.489138	0.585699	328.5043	235.9345	335.3425	245.534	263.1106	302.4988
16331	DAP3	3612.416	-0.14044	0.087804	-1.59952	0.109704	0.178592	3815.746	3837.904	3715.206	3386.137	3332.734	3586.772
23800	LOC103216	73.96968	-0.1405	0.321668	-0.43679	0.662261	0.739756	80.22878	91.41777	61.92009	60.26743	70.59065	79.39338
20850	ALG12	1035.486	-0.14053	0.156426	-0.89838	0.368981	0.470473	1222.405	884.0701	1155.61	988.8323	853.5052	1108.492
21564	C1GALT1C1	308.2769	-0.14061	0.17696	-0.79457	0.426865	0.526246	343.1407	280.2748	345.0828	321.4263	282.3626	277.3743
18833	MPI	1749.15	-0.14062	0.115857	-1.2137	0.224863	0.31742	1912.481	1793.869	1804.031	1629.453	1488.821	1866.247
24094	FBXO48	57.14363	-0.14074	0.359549	-0.39145	0.695466	0.767368	53.12446	53.64636	73.74753	60.26743	42.78221	59.29379
16866	CLK1	2964.184	-0.1409	0.093172	-1.51227	0.130466	0.205646	2987.98	3263.669	3070.958	2850.426	2900.634	2711.435
23184	LOC103231	136.793	-0.14092	0.264651	-0.53248	0.594394	0.681589	142.0266	134.1159	153.0609	100.4457	177.5462	113.5627
18784	ANKRD27	2520.397	-0.14124	0.115743	-1.22027	0.222362	0.314708	2799.876	2397.116	2741.182	2332.573	2190.449	2661.186
19712	LOC103233	2151.163	-0.14127	0.132348	-1.06739	0.285798	0.385445	2058.844	2666.99	2044.754	1857.13	2164.78	2114.477
21307	LOC103246	322.2797	-0.14132	0.16988	-0.83189	0.405472	0.505913	301.4	373.3349	340.9084	299.105	297.3364	321.5934
17246	LMAN2	8259.795	-0.14134	0.096918	-1.45834	0.144746	0.223128	9314.128	7831.821	8849.007	7881.64	7598.121	8084.055
21317	LOC103226	343.6971	-0.14136	0.170202	-0.83052	0.406245	0.50664	346.3932	399.6106	333.2553	312.4978	367.927	302.4988
24538	LOC119621	36.49884											



19639	SEPHS2	1036.472	-0.14162	0.131195	-1.07947	0.280379	0.379545	1027.796	1144.091	1096.473	850.4404	992.5473	1107.487
19751	LOC103232	1936.292	-0.14165	0.133606	-1.06022	0.289042	0.389053	1793.764	2431.603	1869.43	1754.452	1878.139	1890.366
19953	GATAD2B	1458.31	-0.14175	0.136664	-1.03723	0.299628	0.399219	1348.711	1826.713	1412.335	1439.722	1379.726	1342.653
17569	NUDT3	6183.624	-0.14196	0.10105	-1.40486	0.160062	0.24219	6175.99	7242.258	6045.906	5888.351	5726.399	6022.842
23595	SSC4D	93.53364	-0.14204	0.302922	-0.4689	0.639143	0.720136	110.0435	92.5126	89.74935	120.5349	77.00798	71.35354
19362	CEP295	5250.575	-0.14216	0.126303	-1.12555	0.260355	0.357484	4977.437	6616.019	4935.518	4937.465	4815.138	5221.873
22636	LOC103242	167.0145	-0.14225	0.230167	-0.61802	0.536562	0.630168	194.0669	152.1805	178.1072	191.9629	139.0422	146.727
23198	LOC103242	145.3737	-0.14238	0.268749	-0.52977	0.596268	0.683306	143.1108	200.3527	113.4042	138.3919	143.3204	133.6623
21369	GHDC	342.2464	-0.14246	0.173425	-0.82146	0.411383	0.511798	388.1338	319.1411	373.6077	314.7299	293.0582	364.8075
16341	TRAPPC8	3954.856	-0.14249	0.089217	-1.59707	0.11025	0.179364	4107.931	4300.467	4046.374	3691.938	3642.905	3939.52
23121	SPAG7	260.6814	-0.14253	0.2638	-0.54028	0.589005	0.67725	239.6022	389.7572	189.9347	290.1765	222.4675	232.1503
24395	LOC103215	42.20868	-0.14267	0.410611	-0.34746	0.728249	0.793625	42.28274	43.79295	45.91827	33.4819	55.61688	32.15934
18098	SLC30A4	1497.602	-0.14269	0.107988	-1.32133	0.186391	0.273799	1575.303	1620.886	1523.652	1419.633	1315.553	1530.584
18869	COA1	2288.722	-0.14269	0.118031	-1.20893	0.226688	0.319387	2577.621	2057.174	2569.336	2252.216	2160.502	2115.482
17983	ZNF12	2839.412	-0.14291	0.106164	-1.34616	0.178252	0.263517	2889.32	3281.186	2773.185	2595.964	2639.663	2857.157
21552	LOC103233	355.9432	-0.14292	0.179496	-0.79626	0.425883	0.525338	341.5144	417.1278	361.0846	290.1765	402.1528	323.6034
17113	HEATR3	2253.571	-0.14306	0.096723	-1.4791	0.139115	0.216114	2431.257	2368.651	2300.088	2138.378	2027.877	2255.174
19319	RPS6KA1	1447.805	-0.14309	0.126418	-1.13191	0.257672	0.354585	1674.505	1365.792	1524.347	1283.473	1309.136	1529.579
18334	RABEPK	1149.171	-0.14321	0.11209	-1.27768	0.201364	0.291985	1246.799	1165.987	1209.181	1113.831	1007.521	1151.706
25390	LOC103242	12.95291	-0.14322	0.7827	-0.18298	0.854815	0.895012	11.9259	21.89647	6.261582	15.62489	14.97377	7.034856
22477	LOC103222	169.2757	-0.14322	0.223086	-0.64199	0.520878	0.616051	208.1612	164.771	158.6268	169.6417	164.7115	149.7419
24798	CHRM3	36.7225	-0.14329	0.509153	-0.28144	0.778375	0.834466	31.9831	39.41365	42.43961	37.94616	53.47777	15.07469
19144	CYFNS1	12710.49	-0.1435	0.123479	-1.16211	0.245191	0.340493	11809.89	15961.43	12257.4	12035.63	11463.49	12735.1
19072	SPDEF2	1151.064	-0.14367	0.122355	-1.17424	0.240299	0.33496	1156.27	1346.633	1124.302	1100.439	1031.051	1147.687
17840	BABAM1	2228.441	-0.14369	0.104885	-1.36999	0.170691	0.254363	2193.281	2573.93	2249.3	2138.378	2128.415	2087.342
19624	DHX37	1771.088	-0.14371	0.13287	-1.08162	0.279423	0.37852	2116.305	1587.494	1878.475	1642.845	1557.273	1844.137
16116	PTCD3	6804.401	-0.14373	0.087488	-1.64286	0.100411	0.165643	7415.199	6676.234	7339.966	6403.972	6419.471	6571.561
18227	NAA35	2350.917	-0.14387	0.110978	-1.29635	0.194855	0.284206	2456.735	2717.352	2231.906	2098.199	2288.848	2312.458
18625	EVC	1634.286	-0.14397	0.116692	-1.23373	0.217302	0.309867	1716.788	1685.481	1753.243	1495.525	1398.978	1755.699
17903	VPS45	1213.767	-0.14398	0.105795	-1.36091	0.173541	0.257699	1312.933	1298.461	1211.964	1140.617	1150.842	1167.786
19547	LOC103233	781.7041	-0.1441	0.132067	-1.09112	0.275219	0.374313	891.7321	797.0316	775.7405	662.9417	782.9145	779.8641
15307	KDELRL2	16984.25	-0.14424	0.081108	-1.77841	0.075336	0.130843	18219.52	17659.51	17624.96	15868.19	15598.39	16934.91
22752	ATPSCKMT	133.8055	-0.14428	0.240244	-0.60055	0.548137	0.640481	140.9425	140.1374	137.7548	136.1597	143.3204	104.5179
20710	ARHGAP17	609.4137	-0.14428	0.157103	-0.91838	0.358421	0.460097	552.9281	749.9542	617.1137	531.2462	610.3421	584.8981
25464	LOC119622	9.668701	-0.14431	0.849282	-0.16992	0.865072	0.903156	10.29964	8.758589	11.82743	2.232127	12.83466	12.05975
19389	AMMECR1	1654.406	-0.14435	0.128978	-1.11919	0.263061	0.360693	1611.623	2032.54	1566.091	1506.686	1657.811	1551.688
19003	CUNH20or	1538.572	-0.14447	0.121997	-1.18421	0.236329	0.330624	1810.568	1497.719	1543.132	1379.454	1409.674	1590.883
16727	USP40	3424.971	-0.14448	0.09396	-1.53772	0.124117	0.197265	3566.928	3784.258	3442.479	3171.852	3157.327	3426.98
25359	LOC119622	11.49604	-0.14453	0.765188	-0.18888	0.850186	0.891289	8.131296	18.06459	9.740239	11.16063	12.83466	9.044815
16992	CUL5	5649.907	-0.14453	0.096767	-1.49359	0.135283	0.211658	5876.758	6472.597	5448.968	5267.842	5403.394	5429.904
20081	TRIR	2677.814	-0.14469	0.142491	-1.01542	0.309904	0.410279	2441.015	3501.793	2492.11	2499.982	2622.55	2509.434
18203	APOOL	991.5354	-0.14476	0.111286	-1.30081	0.193324	0.282344	1004.486	1081.686	1035.248	966.511	949.7651	911.5164
19458	RNF20	3710.023	-0.14481	0.130621	-1.10864	0.267586	0.365597	3636.857	4619.061	3436.217	3475.422	3236.474	3856.106
21141	LOC103242	333.543	-0.14491	0.168595	-0.85949	0.390072	0.490518	350.7299	347.0591	356.2145	328.1227	267.3888	351.7428
19782	MRPL36	1725.359	-0.14509	0.137381	-1.05612	0.290913	0.390958	1881.04	1499.908	2052.408	1629.453	1781.879	1507.469
18920	NDUFV3	1579.716	-0.1451	0.12094	-1.19978	0.230224	0.323477	1561.751	1855.179	1561.917	1578.114	1362.613	1558.723
26045	LOC119622	1.869781	-0.14513	1.82969	-0.07932	0.93678	0.956202	2.168345	2.189647	1.391463	4.464254	0	1.004979
20965	RSP03	7987.858	-0.14523	0.164345	-0.88366	0.376878	0.477906	6926.78	11253.14	6990.013	7377.18	7354.262	8025.766
25201	LOC103233	13.7528	-0.14534	0.677187	-0.21463	0.830056	0.875641	17.88885	12.59047	12.52316	15.62489	12.83466	11.05477
19019	REX1BD	1029.797	-0.14543	0.123109	-1.18133	0.23747	0.331938	1059.779	1185.147	1001.157	1017.85	904.8438	1010.004
25252	LOC103218	16.76296	-0.14549	0.701617	-0.20736	0.835728	0.879844	26.02015	6.568942	20.17621	15.62489	17.11289	15.07469
18811	SDE2	1285.832	-0.14561	0.119775	-1.21567	0.224112	0.316731	1326.485	1504.288	1222.4	1216.509	1185.067	1260.244
16067	PSMD4	4835.502	-0.14561	0.088054	-1.65363	0.098203	0.162491	5342.261	4854.995	5043.357	4560.235	4502.828	4709.334
24617	LOC103242	29.09084	-0.14566	0.464663	-0.31348	0.753917	0.814189	29.27266	32.84471	29.91645	24.5534	27.80844	30.14938
21374	ANKRD18A	3190.592	-0.14568	0.177471	-0.82089	0.411709	0.512083	2666.523	4606.47	2781.534	2910.694	3105.989	3072.222
19944	ULK1	1727.276	-0.14572	0.140259	-1.03892	0.29884	0.398349	1877.245	1572.714	2000.923	1566.953	1437.482	1908.456
18151	PPP1R12C	1550.567	-0.14575	0.111051	-1.31244	0.189371	0.277354	1664.205	1586.399	1639.839	1537.935	1311.275	1563.748
17866	CAMTA1	1678.308	-0.1458	0.10667	-1.3668	0.171688	0.255455	1673.421	1780.731	1839.514	1468.74	1632.141	1675.301
18065	INO80E	1176.118	-0.14585	0.109586	-1.33095	0.183206	0.269612	1202.348	1303.935	1202.92	1064.725	1123.033	1159.746
25170	LOC119622	16.16206	-0.14591	0.667216	-0.21868	0.826899	0.873351	14.09425	20.80165	16.69755	17.85702	6.417332	21.10457
19068	LOC119622	1107.381	-0.14623	0.124492	-1.17462	0.240145	0.334815	1082.546	1315.978	1092.994	1044.635	1026.773	1081.358
24461	PRAC2	40.49503	-0.14631	0.434894	-0.33642	0.736556	0.800512	42.82482	32.84471	50.78839	40.17829	49.19955	27.13445
21500	CCDC181	881.6067	-0.14646	0.182353	-0.80315	0.421889	0.521647	737.2375	1223.465	817.4844	805.7978	885.5918	820.0632
25665	LOC103222	5.548423	-0.14663	1.045555	-0.14024	0.888471	0.920319	4.878777	6.02153	6.261582	6.696381	6.417332	3.014938
23091	COL13A1	112.7359	-0.14673	0.268274	-0.54696	0.584409	0.672814	111.6698	119.3358	122.4487	138.3919	94.12087	90.44815
18399	ZSCAN20	1151.543	-0.14675	0.116051	-1.26456	0.20603	0.297684	1251.677	1261.784	1116.649	1022.314	1159.398	1097.438
20274	TMEM219	2201.645	-0.1468	0.149234	-0.98368	0.325275	0.426528	2552.685	1773.067	2618.037	2069.182	1965.843	2231.054
18256	MASTL	1196.119	-0.14689	0.11366	-1.29234	0.196239	0.285771	1184.459	1371.267	1216.138	1127.224	1120.894	1156.731
21997	CACNA1G	198.0016	-0.14707	0.201927	-0.72834	0.466404	0.563692	203.8245	188.8571	230.2871	198.6593	192.52	173.8614
17321	LOC103233	3707.713	-0.1473	0.101921	-1.44523	0.148392	0.227746	3787.015	4218.903	3690.159	3419.619	3349.847	3780.733
18843													



19990	DNAJC17	557.2059	-0.14752	0.143046	-1.03127	0.302415	0.402187	573.5274	634.4503	549.6278	569.1924	472.7435	543.6939
18776	EHMT1	2306.801	-0.14788	0.121008	-1.22208	0.221677	0.313873	2243.695	2743.628	2292.435	2160.699	2006.486	2393.861
17984	LOC103230	4802.206	-0.14793	0.109895	-1.34608	0.178277	0.263525	4596.35	5703.484	4840.203	4653.985	4735.991	4283.222
24800	LOC119620	30.29401	-0.14793	0.526875	-0.28077	0.778887	0.834948	34.69353	18.06459	43.83108	22.32127	25.66933	37.18424
18985	AHSA2P	1509.105	-0.14799	0.124663	-1.1871	0.235189	0.329339	1482.064	1816.86	1456.861	1508.918	1433.204	1356.722
22535	B3GNT9	137.3724	-0.14849	0.233783	-0.63518	0.525309	0.619718	145.2791	155.465	132.189	116.0706	147.5986	127.6324
16629	LOC103240	3553.967	-0.14862	0.095706	-1.55285	0.12046	0.192581	3710.039	3976.947	3525.967	3203.102	3437.551	3470.194
20859	LRWD1	1841.891	-0.14878	0.165905	-0.8968	0.369825	0.471346	2181.356	1501.003	2133.808	1709.809	1463.152	2062.218
25184	LOC119620	15.49886	-0.14907	0.68753	-0.21682	0.828346	0.874427	17.88885	14.23271	16.00182	11.16063	25.66933	8.039836
20373	ZNF414	388.9396	-0.14915	0.154442	-0.96572	0.334183	0.43608	395.723	416.033	416.7431	395.0865	325.1448	384.9071
19048	CUNH2orf1	661.0797	-0.14925	0.126738	-1.1776	0.238958	0.333526	700.9177	723.6784	663.7277	609.3707	607.5074	661.2765
16303	EFEMP2	5355.002	-0.14944	0.093038	-1.60621	0.108227	0.176484	5651.25	5576.484	5676.472	5015.589	4721.017	5489.198
23928	LOC119610	59.5086	-0.14945	0.356689	-0.41899	0.675222	0.7502	69.92914	67.87906	50.09266	42.41041	68.45154	58.28881
23347	LOC103240	82.91242	-0.1495	0.29509	-0.50662	0.612424	0.697361	84.56547	79.37471	96.70666	93.74933	72.72976	70.34856
19859	CDK19	2899.196	-0.14951	0.142952	-1.04585	0.295632	0.395012	2670.317	3790.827	2688.306	2758.909	2590.463	2896.351
18827	ATG4B	1536.648	-0.14955	0.123146	-1.2144	0.224595	0.317143	1732.508	1501.003	1622.446	1388.383	1328.388	1647.161
19196	HMCES	1305.695	-0.14963	0.129605	-1.15451	0.248293	0.343866	1493.448	1279.849	1352.502	1245.527	1075.973	1386.872
17006	PDGFA	1526.456	-0.14993	0.100539	-1.4913	0.135883	0.212422	1623.007	1639.498	1557.743	1406.24	1426.787	1505.459
18099	ASCC3	8218.06	-0.14996	0.113498	-1.32128	0.186408	0.273808	7992.521	10057.6	7886.115	7526.732	7771.389	8074.005
23826	LOC119620	60.20792	-0.14997	0.34587	-0.43361	0.664569	0.741505	63.96619	59.66789	65.39875	49.10679	74.86887	48.23901
16731	ZC3H12C	2011.51	-0.15003	0.097585	-1.53742	0.124189	0.197333	2135.278	2209.901	2003.706	1917.397	1863.165	1939.61
25091	LOC103240	15.69619	-0.15013	0.646636	-0.23216	0.81641	0.865022	14.63633	13.6853	20.87194	20.08914	12.83466	12.05975
18741	PRPF39	2203.407	-0.15017	0.122498	-1.22592	0.220229	0.312405	2148.288	2702.025	2103.196	2026.771	2149.806	2090.357
12165	ATG4D	583.1793	-0.15024	0.178818	-0.84018	0.40081	0.501083	726.3957	470.7742	645.6387	551.3354	506.9692	597.9628
16052	PDLIM7	4748.03	-0.15027	0.090739	-1.65609	0.097704	0.161815	4727.535	5279.24	4982.132	4450.861	4387.316	4661.095
25085	TRNAR-CC1	19.92524	-0.15037	0.646067	-0.23275	0.815954	0.864745	17.34676	21.34906	25.74206	13.39276	8.556443	33.16432
23111	LOC103210	97.09736	-0.15052	0.277569	-0.54227	0.587633	0.675965	98.65972	108.935	97.40239	84.82083	113.3729	79.39338
22656	MPP2	136.0371	-0.15061	0.245288	-0.614	0.539214	0.632724	123.0536	147.2538	157.931	120.5349	151.8769	115.5726
19628	IRF2	1957.865	-0.15064	0.139374	-1.08086	0.279759	0.378917	1856.646	2513.715	1808.206	1814.719	1935.895	1818.008
26199	TRNAW-CC1	0.814114	-0.15079	2.685945	-0.05614	0.955229	0.969192	1.084173	1.094824	0.695731	0	0	2.009959
26201	LOC119610	0.814114	-0.15079	2.685945	-0.05614	0.955229	0.969192	1.084173	1.094824	0.695731	0	0	2.009959
20080	LOC103230	1177.216	-0.15083	0.1485	-1.01566	0.309789	0.410146	1366.058	1003.953	1350.415	1089.278	1022.495	1231.1
22724	PROB1	120.4766	-0.15098	0.249656	-0.60475	0.545346	0.638005	129.5586	111.672	137.7548	118.3027	124.0684	101.5029
17687	FBX042	1687.327	-0.15101	0.108836	-1.38754	0.165277	0.248425	1802.336	1727.632	1803.336	1450.883	1600.055	1739.619
19638	USP53	1808.918	-0.15108	0.139957	-1.07949	0.280371	0.379545	1685.347	2321.574	1703.15	1656.238	1779.74	1707.46
18599	ZNF280D	2164.322	-0.15125	0.122392	-1.23579	0.216537	0.309497	2160.214	2634.146	2037.101	1982.129	2158.363	2013.979
21978	CDH26	229.3376	-0.15134	0.206875	-0.73155	0.464443	0.561798	210.3295	281.9171	233.07	185.2665	235.3022	230.1403
21730	ZNF582	202.5947	-0.15137	0.195793	-0.77309	0.439468	0.537656	228.7604	203.0898	209.4151	189.7308	177.5462	207.0258
18888	HABP4	3025.526	-0.15139	0.125549	-1.2058	0.227894	0.320763	3036.226	3748.129	2769.011	2897.301	2733.783	2968.709
16644	TNFRSF21	13933.34	-0.15146	0.097723	-1.54991	0.121164	0.193531	14620.61	15182.47	14198.49	12758.84	12195.07	14644.56
19571	LRRC28	665.537	-0.15148	0.139172	-1.08843	0.276406	0.375467	760.0051	668.9372	676.2509	636.1562	560.447	691.4259
18278	ZBTB39	994.2322	-0.15151	0.117668	-1.28759	0.197888	0.287808	993.6443	1127.668	1020.638	928.5648	906.9829	987.8948
17887	BAG5	2750.149	-0.15153	0.111215	-1.36247	0.17305	0.2572	2734.826	3279.544	2669.521	2531.232	2639.663	2646.111
19258	CRTC3	1289.049	-0.15195	0.13288	-1.1435	0.252832	0.349025	1226.741	1569.977	1277.363	1131.688	1215.015	1313.508
20804	ZNF71	284.1459	-0.15209	0.168291	-0.90375	0.366127	0.467866	289.4741	291.2231	317.2535	279.0159	254.5542	273.3544
17735	AP3D1	9496.538	-0.15214	0.110368	-1.37849	0.168051	0.251914	9397.609	11186.91	9411.854	8935.204	8209.907	9837.744
18746	SLC38A9	746.9626	-0.15217	0.124234	-1.22486	0.220628	0.312888	772.4731	841.372	745.1283	678.5666	733.715	710.5205
20723	LOC103230	299.0936	-0.15227	0.166389	-0.91513	0.360122	0.461991	330.1306	314.7618	301.2517	261.1589	288.7799	298.4789
17127	ORMDL1	1480.342	-0.15229	0.103096	-1.47714	0.139639	0.216751	1511.879	1553.007	1614.097	1404.008	1334.805	1464.255
21209	FABP5	803.0547	-0.15232	0.179487	-0.84863	0.396085	0.496484	708.5069	1073.475	749.9984	841.5119	793.6101	651.2267
16551	RAD54L2	4063.445	-0.15232	0.097296	-1.56554	0.117457	0.188665	4266.762	4504.652	4067.941	3776.759	3630.071	4134.486
17251	NEURL4	2460.959	-0.15237	0.104519	-1.45778	0.1449	0.223301	2608.52	2513.168	2659.085	2216.502	2194.728	2573.752
18313	LOC103230	1937.55	-0.15252	0.11914	-1.28015	0.200494	0.291057	1905.434	2336.354	1874.996	1886.147	1854.609	1767.759
21192	FRZB	293.4268	-0.1526	0.179271	-0.85123	0.394643	0.495049	274.2957	343.7746	306.8175	276.7837	301.6146	257.2747
17099	CDK16	7699.292	-0.1526	0.102997	-1.48161	0.138444	0.215248	7812.549	8751.473	7761.579	7171.824	6699.695	7998.632
22557	LOC119620	169.7287	-0.15265	0.241819	-0.63125	0.527879	0.622114	166.9626	210.7535	161.4097	151.7846	130.4858	196.976
16542	NCAPD3	5365.545	-0.15265	0.097417	-1.56697	0.117122	0.188229	5870.253	5688.704	5396.093	4935.233	4759.521	5543.467
14966	AGPS	8033.189	-0.15272	0.082986	-1.84035	0.065717	0.116738	8338.915	8836.322	8201.281	7533.429	7497.583	7791.606
19119	FERMT2	5755.887	-0.15283	0.131156	-1.16528	0.243906	0.339151	5476.157	7411.956	5293.82	5397.283	5373.446	5582.661
19150	MUTYH	613.5885	-0.1529	0.131718	-1.16083	0.245712	0.341109	632.6148	623.5021	684.5997	593.7458	539.0559	608.0126
25937	LOC119620	2.582495	-0.15291	1.545233	-0.09896	0.921173	0.944187	2.710432	1.094824	4.174388	2.232127	4.278221	1.004979
21933	LOC103220	269.5657	-0.15292	0.207179	-0.7381	0.460451	0.558113	292.1846	238.6716	322.8194	281.248	201.0764	281.3943
18629	GSS	2584.353	-0.15293	0.123933	-1.23394	0.217227	0.309867	2995.569	2326.5	2846.933	2321.412	2344.465	2671.235
24271	LOC103240	39.74219	-0.15296	0.417812	-0.36611	0.714284	0.782364	39.03022	49.26706	38.26523	35.71403	29.94755	46.22906
18191	SETX	10559.45	-0.15307	0.117485	-1.30287	0.19262	0.281502	10263.86	13028.95	10067.93	9749.931	9583.216	10662.83
23239	HCLS1	87.17341	-0.15315	0.29273	-0.52319	0.60084	0.687341	94.86511	96.34448	82.0963	89.28508	94.12087	66.32864
17421	LRP8	15633.01	-0.15327	0.107508	-1.42567	0.153964	0.234955	15378.45	18730.79	15283.13	14323.56	14282.84	15799.28
18600	LOC103230	643.9177	-0.15332	0.124065	-1.2358	0.216532	0.309497	682.4867	688.6441	662.3363	593.7458	635.3159	600.9777
25805	TRNAG-GC	3.72406	-0.15338	1.283289	-0.11952	0.904861	0.932212	4.336691	4.379295	2.782925	6.696381	2.139111	2.009959
22146	CUNH16orf	152.0463	-0.15341	0.219052	-0.70032	0.48373	0.58069	171.2993	147.2538	162.1054	136.1597	149.7377	145.722
15956	PRMT2	3057.25	-0.15										



25059	MPL	16.02877	-0.15404	0.651864	-0.2363	0.813199	0.862711	15.7205	15.32753	18.78475	22.32127	14.97377	9.044815
17375	SF3A2	1269.432	-0.15407	0.107351	-1.4352	0.151229	0.231391	1256.014	1364.698	1392.854	1196.42	1176.511	1230.095
20201	NEIL2	467.9841	-0.15412	0.154638	-0.99665	0.318936	0.419728	537.7497	440.1191	504.4052	424.1041	417.1266	484.4001
25407	LOC103225	9.31109	-0.15421	0.857616	-0.17981	0.857301	0.89705	10.29964	10.40082	9.044508	2.232127	12.83466	11.05477
22023	SLC27A5	194.7584	-0.15428	0.213617	-0.72223	0.470155	0.567546	200.572	178.4563	236.5487	205.3557	164.7115	182.9063
24696	LOC119624	26.5537	-0.15445	0.514977	-0.29992	0.764237	0.822694	28.73058	19.15941	36.17803	22.32127	27.80844	25.12449
18043	DDX6	16178.55	-0.15446	0.115635	-1.33573	0.181638	0.267631	15544.33	19945.5	15644.91	14901.68	14766.28	16268.61
19213	NUS1	1809.2	-0.15453	0.134208	-1.15144	0.24955	0.345301	1743.892	2263	1714.282	1613.828	1677.063	1843.132
16859	SNRPG	3581.549	-0.15456	0.102154	-1.513	0.13028	0.205417	3726.302	3616.75	3969.147	3578.1	3533.811	3065.187
17952	AHCTF1	10123.58	-0.15457	0.114443	-1.35067	0.176801	0.261823	9885.487	12424.06	9689.451	9408.415	9243.097	10091
18210	ZBTB33	1414.045	-0.15468	0.118998	-1.29986	0.193649	0.28271	1385.031	1679.459	1404.682	1296.866	1377.587	1340.643
24299	LOC103245	48.00388	-0.15477	0.427181	-0.36231	0.717124	0.784589	64.50828	37.77142	48.00546	42.41041	64.17332	31.15436
16919	TBC1D9B	16343.01	-0.1548	0.102957	-1.50354	0.1327	0.208513	18098.1	16238.42	17329.28	15211.95	13979.09	17201.23
17719	LAMTOR2	1684.455	-0.15484	0.112065	-1.38169	0.167066	0.250661	1754.191	1790.584	1779.681	1424.097	1773.323	1584.853
21143	TSGA10	463.7922	-0.15488	0.180252	-0.85926	0.390198	0.490631	431.5008	601.6056	435.5278	410.7114	414.9875	488.42
17344	PPP6C	2565.205	-0.155	0.10764	-1.44003	0.14986	0.229707	2512.57	2969.162	2631.256	2296.859	2408.639	2572.747
15419	LOC103216	5090.148	-0.15519	0.088299	-1.75753	0.078828	0.135912	5420.864	5564.441	5108.755	4821.394	4639.731	4985.703
20120	COX16	1682.643	-0.15523	0.153778	-1.00946	0.312753	0.413247	1926.033	1349.37	2044.059	1687.488	1508.073	1580.833
21892	LOC119618	301.0634	-0.1554	0.208511	-0.74526	0.456113	0.553891	280.2587	402.3477	267.8566	267.8552	318.7275	269.3345
23982	LOC119627	52.96727	-0.15549	0.379501	-0.40973	0.682003	0.756028	48.24569	61.85754	59.13717	46.87467	36.36488	65.32367
16023	HGS	2871.856	-0.15552	0.093589	-1.66176	0.096562	0.160213	3098.566	3015.692	2970.077	2720.963	2562.655	2863.187
24880	LOC119621	21.53813	-0.15579	0.577837	-0.2696	0.787465	0.841445	21.68345	19.70683	25.74206	20.08914	29.94755	12.05975
18824	TOP3B	1620.309	-0.15581	0.128282	-1.2146	0.224519	0.317087	1751.481	1595.158	1784.551	1495.525	1328.388	1766.754
16295	ANXA2	103701.7	-0.15591	0.096962	-1.6079	0.107856	0.175965	117763.9	99125.33	111015.1	97061.81	93040.62	104203.3
18100	EIF4G1	30785.63	-0.156	0.11808	-1.32112	0.18646	0.273869	29363.73	37840.39	30146.04	28691.76	26984.88	31687
24157	KATNAL2	49.12231	-0.15605	0.409285	-0.38126	0.703008	0.773634	49.87195	54.74118	48.7012	49.10679	64.17332	28.13943
23916	PLXDC1	55.82077	-0.15608	0.37102	-0.42069	0.673984	0.7492	54.75072	61.85754	61.92009	35.71403	51.33866	69.34358
24433	LOC103226	36.09048	-0.15609	0.459403	-0.33978	0.734025	0.798631	39.5723	31.74989	44.52681	26.78552	25.66933	48.23901
15670	HAUS2	3162.714	-0.15625	0.090712	-1.72247	0.084984	0.144179	3425.444	3171.157	3406.301	2908.461	3043.954	3020.968
20068	LOC103234	848.154	-0.1564	0.153643	-1.01795	0.308703	0.408953	781.1465	1084.423	814.7014	794.6372	849.2269	764.7894
18365	MYG1	1336.304	-0.15656	0.123198	-1.27082	0.203794	0.29501	1516.758	1259.595	1454.079	1274.545	1155.12	1357.727
25574	TEX48	7.735331	-0.15659	1.010365	-0.15498	0.876836	0.911463	7.047123	6.568942	10.43597	2.232127	17.11289	3.014938
25462	LOC103227	7.772879	-0.15659	0.919534	-0.17029	0.864781	0.902922	5.96295	9.306001	9.044508	4.464254	12.83466	5.024897
18788	LHFPL2	628.7913	-0.15663	0.128435	-1.21952	0.222648	0.315047	652.1299	668.9372	671.3808	558.0317	586.1163	636.152
20216	TRABD	1377.852	-0.15667	0.157587	-0.99416	0.320145	0.421006	1620.838	1126.026	1614.793	1305.794	1161.537	1438.126
22658	RNFT2	112.0979	-0.15681	0.255523	-0.61369	0.539419	0.632909	110.5856	114.4091	129.406	93.74933	121.9293	102.5079
20301	SHISA4	598.0689	-0.15689	0.160382	-0.97823	0.327962	0.42948	579.4903	752.6912	561.4552	566.9603	519.8039	608.0126
19611	IQUB	717.0015	-0.15691	0.144756	-1.08395	0.278386	0.377385	709.049	853.9624	702.6887	629.4598	763.6625	643.1869
19442	CCDC102A	569.009	-0.15703	0.141363	-1.11083	0.266643	0.364608	647.2511	567.1186	588.5887	544.639	485.5781	580.8781
14832	ALDH1A1	61515.89	-0.15714	0.084246	-1.86527	0.062144	0.111388	64127.19	68164.81	62301.35	57939.32	55663.94	60898.74
18283	ADCY1	835.9396	-0.15724	0.122183	-1.28695	0.198112	0.288071	898.7792	856.1521	894.7105	741.0662	763.6625	861.2674
24193	LOC103227	41.34474	-0.15742	0.420201	-0.37464	0.70793	0.777924	47.16151	49.81448	32.69937	40.17829	47.06043	31.15436
18441	NRDE2	1106.966	-0.15762	0.125289	-1.25801	0.208387	0.300416	1157.896	1249.741	1099.951	1031.243	941.2087	1161.756
18503	MRPS34	1630.801	-0.15764	0.125957	-1.25151	0.210748	0.302801	1587.771	1970.135	1598.791	1676.327	1467.43	1484.355
17352	TRIM13	951.6525	-0.15772	0.109615	-1.43884	0.150196	0.230116	1015.87	1002.311	994.2001	881.6902	896.2874	919.5562
19490	LOC103235	1366.608	-0.15775	0.143144	-1.10203	0.27045	0.368902	1619.212	1177.483	1530.609	1294.634	1180.789	1396.921
20794	SIRT6	421.6619	-0.15779	0.174258	-0.90549	0.365203	0.466919	503.5982	359.1022	471.7059	379.4616	417.1266	398.9768
19267	CHKB	1120.662	-0.1578	0.138249	-1.1414	0.253705	0.350049	1287.455	1011.07	1251.621	1058.028	954.0434	1161.756
16736	CAMK1	1495.241	-0.15784	0.102725	-1.53655	0.124402	0.197612	1540.609	1597.348	1596.008	1441.954	1326.249	1469.28
16333	PP6R3	9564.048	-0.15804	0.098817	-1.59933	0.109747	0.178633	9590.05	11252.05	9421.594	8950.829	8900.839	9268.926
17234	TAF5L	1172.901	-0.15813	0.108149	-1.46214	0.143703	0.221675	1207.226	1256.858	1250.925	1111.599	1046.025	1164.771
18410	ERCC4	1020.534	-0.15819	0.125175	-1.26376	0.206316	0.297931	1054.358	1204.306	969.8495	955.3503	977.5736	961.7654
19224	CHCHD5	527.989	-0.15824	0.137565	-1.15027	0.250033	0.345773	515.5241	582.9936	573.9784	493.3001	485.5781	516.5594
21181	ZDHHC23	242.3589	-0.15825	0.185494	-0.85314	0.393582	0.493994	268.3328	267.6844	232.3743	229.9091	209.6328	246.22
14591	RRM2	9562.638	-0.15826	0.082923	-1.90852	0.056323	0.102622	10354.93	10174.2	9735.369	8845.919	8853.779	9411.633
17462	MMGT1	3654.78	-0.15832	0.111749	-1.4168	0.156543	0.238328	3556.087	4417.613	3592.061	3477.654	3381.934	3503.358
21238	PPP4R2	297.1843	-0.15878	0.188045	-0.84437	0.398462	0.498781	345.8511	266.5896	331.1681	249.9982	275.9453	313.5536
25147	LOC103245	15.59728	-0.15878	0.714337	-0.22228	0.824095	0.871227	20.0572	10.94824	17.39328	15.62489	23.53022	6.029877
19936	LOC103247	1872.192	-0.15887	0.15256	-1.04137	0.297702	0.39699	2206.292	1538.227	2185.988	1674.095	1640.698	1987.849
17019	EMC1	3669.687	-0.15891	0.106653	-1.48996	0.136234	0.212795	3793.52	4226.567	3600.41	3374.976	3260.005	3762.643
19106	MCTP2	610.9972	-0.159	0.136132	-1.16802	0.242799	0.337842	617.9785	708.3509	605.2863	584.8173	596.8119	552.7387
18231	HSBP1L1	2047.878	-0.15923	0.122957	-1.295	0.195321	0.284823	1900.555	2503.862	2077.454	1941.95	1935.895	1927.551
16656	LMBR1	1545.11	-0.15945	0.103061	-1.5471	0.121839	0.194471	1591.566	1711.209	1586.963	1531.239	1407.535	1442.146
24167	LOC119626	49.33867	-0.15954	0.419691	-0.38014	0.70384	0.774262	50.95612	51.45671	55.65851	49.10679	23.53022	65.32367
22166	FMC1	466.085	-0.1596	0.228894	-0.69726	0.485641	0.582458	558.891	307.6454	609.4607	468.7467	408.5701	443.1959
25125	FAM189A1	13.00602	-0.15998	0.703992	-0.22725	0.820227	0.86789	12.46799	16.42235	11.82743	11.16063	17.11289	9.044815
20514	ING2	1297.979	-0.16	0.16955	-0.94368	0.345334	0.447511	1157.896	1795.511	1154.914	1258.92	1225.71	1194.921
20861	LOC119624	428.4324	-0.16025	0.178754	-0.89646	0.370007	0.47151	393.5547	546.8644	418.8303	370.5331	393.5964	447.2159
24637	LOC103245	34.81292	-0.16028	0.518282	-0.30925	0.757129	0.816994	41.74065	25.72836	41.04815	44.64254	40.6431	15.07469
23716	SNTN	60.72822	-0.16058	0.355455	-0.45177	0.651437	0.730241	68.30288	49.26706	73.74753	69.19594	55.61688	48.23901
25282	LOC103247	11.71711	-0.16068	0.7947									



18928	SERGEF	1018.526	-0.16126	0.13449	-1.19901	0.230523	0.323777	1170.907	968.9189	1092.298	919.6363	877.0354	1082.363
22322	LRRC32	120.3035	-0.16148	0.240439	-0.6716	0.501836	0.597675	135.5216	126.9995	118.9701	109.3742	113.3729	117.5826
21999	IL17RD	156.943	-0.16149	0.221894	-0.72779	0.466743	0.564042	178.3464	175.1718	144.0164	140.624	149.7377	153.7619
23171	LOC103245	178.2708	-0.16149	0.302327	-0.53417	0.593223	0.680628	202.7403	109.4824	251.159	196.4272	171.1289	138.6872
17110	JPH3	2553.423	-0.16151	0.109123	-1.48008	0.138851	0.215742	2623.156	2735.417	2737.007	2446.411	2128.415	2650.131
18972	PALB2	1672.588	-0.16172	0.135921	-1.1898	0.234126	0.328075	1595.36	2126.695	1575.832	1560.257	1608.611	1568.773
25561	LOC119625	6.343814	-0.16174	1.037184	-0.15594	0.87608	0.911099	10.84173	3.831883	5.565851	2.232127	8.556443	7.034856
22449	LOC103236	129.6613	-0.16191	0.249343	-0.64936	0.516105	0.611185	125.764	164.2235	120.3615	127.2312	119.7902	120.5975
15795	FSTL1	30236.09	-0.16193	0.095081	-1.70303	0.088563	0.149063	33449.44	30970.37	31383.05	27412.75	26758.14	31442.79
15666	CUNH11or	5986.939	-0.16194	0.094006	-1.72263	0.084955	0.144168	6162.438	6772.032	6027.817	5674.067	5931.754	5353.526
15788	RAF1	4540.314	-0.16197	0.095073	-1.70367	0.088442	0.148925	4989.363	4580.742	4821.418	4227.649	4027.945	4594.766
23217	LOC103224	84.93544	-0.16201	0.307507	-0.52684	0.598304	0.685081	93.23886	93.60742	84.87923	69.19594	64.17332	104.5179
16340	LOC103248	1600.153	-0.16208	0.101432	-1.59791	0.110064	0.179072	1706.488	1767.045	1596.703	1511.15	1490.96	1528.574
21739	CD320	684.8467	-0.16238	0.21057	-0.77114	0.440622	0.538844	860.8332	476.7957	835.5734	602.6743	592.5337	740.6699
16469	MYNN	1590.971	-0.16242	0.10291	-1.57824	0.11451	0.184847	1679.926	1643.33	1714.282	1479.9	1604.333	1424.056
18454	PIGB	826.1186	-0.16272	0.129544	-1.2561	0.209079	0.301202	833.1867	976.5827	806.3527	794.6372	787.1927	758.7595
24597	LOC119625	28.49697	-0.16297	0.514443	-0.31679	0.751405	0.812141	38.48813	33.93953	18.08902	26.78552	23.53022	30.14938
17398	PITHD1	1108.412	-0.16308	0.114062	-1.42974	0.152792	0.233474	1240.836	1154.492	1121.519	991.0644	1031.051	1111.507
23283	ITGB1BP2	93.50642	-0.16309	0.315857	-0.51635	0.605611	0.691499	123.0536	78.8273	92.53227	87.05295	111.2338	68.3386
19622	ACBD4	588.8782	-0.16316	0.150743	-1.08236	0.279091	0.378137	706.3385	539.748	622.6796	531.2462	543.3341	589.9229
20905	VP551	1459.96	-0.16318	0.183372	-0.88986	0.373541	0.474955	1798.1	1088.802	1743.503	1437.49	1157.259	1534.604
18958	PPP1R10	2937.027	-0.1633	0.136822	-1.19355	0.232656	0.326221	2684.954	3780.973	2845.541	2616.053	2770.148	2924.49
23571	LOC103224	54.69532	-0.16334	0.344957	-0.47351	0.635847	0.717153	59.08741	60.76271	53.57132	46.87467	55.61688	52.25893
18338	CYB561	2340.098	-0.16356	0.128064	-1.27715	0.201549	0.29219	2670.317	2120.673	2633.343	2111.592	2036.433	2468.23
18241	EIF1B	880.8688	-0.16359	0.126417	-1.29405	0.195647	0.285149	861.3752	1029.682	899.5807	816.9585	870.618	806.9985
16875	RIC8A	3407.473	-0.1636	0.108321	-1.51032	0.130961	0.206317	3809.241	3266.954	3731.903	3138.371	2999.033	3499.339
15828	YKT6	7731.789	-0.16364	0.096599	-1.69398	0.090269	0.151618	8426.733	8203.513	7886.811	7254.413	6671.886	7947.378
17282	SMS	5371.786	-0.16373	0.112687	-1.45294	0.146241	0.224963	5231.676	6581.532	5215.202	5084.785	5033.327	5084.191
22215	ZNF682	129.1401	-0.16383	0.237516	-0.68975	0.490353	0.586812	132.2691	136.853	139.1463	113.8385	141.1813	111.5527
15784	AKT2	5328.954	-0.16389	0.096143	-1.70466	0.088258	0.148653	5933.677	5368.468	5599.246	4839.251	4800.164	5432.919
19816	LOC103234	578.664	-0.16395	0.155958	-1.05124	0.293147	0.393293	581.1166	721.4888	532.2345	546.8711	530.4994	559.7736
23662	LOC119624	2988.71	-0.16395	0.356276	-0.46019	0.64538	0.725051	3887.301	1778.541	3809.825	2874.98	2562.655	3018.958
25161	ZP1	12.42339	-0.16396	0.744007	-0.22037	0.825582	0.872306	10.84173	14.23271	13.91463	20.08914	6.417332	9.044815
22583	FBXO24	105.918	-0.16408	0.261736	-0.62689	0.53073	0.624782	123.5597	106.7453	104.3597	95.98146	113.3729	91.45313
16254	TNRC18	3041.444	-0.16427	0.101666	-1.61581	0.106136	0.173595	3060.62	3324.432	3262.284	2984.354	2599.019	3017.953
19328	PSKH1	1057.871	-0.16441	0.145452	-1.13032	0.258341	0.355339	1245.714	993.5524	1121.519	948.654	877.0354	1160.751
20456	LOC103215	304.6291	-0.16466	0.17278	-0.95298	0.340599	0.442648	341.5144	315.8566	311.6877	285.7123	252.4151	320.5885
17311	RRAGA	2385.35	-0.16474	0.1139	-1.44634	0.14808	0.227411	2670.317	2404.233	2496.284	2267.841	1985.095	2488.329
25520	LOC119625	6.716495	-0.16483	1.017481	-0.162	0.871307	0.907668	8.131296	4.926706	7.653045	11.16063	6.417332	2.009959
15789	NUDT12	1790.804	-0.16484	0.096762	-1.70356	0.088464	0.148953	1920.612	1889.666	1865.256	1761.148	1677.063	1631.082
19536	MAX	3106.908	-0.16487	0.150673	-1.09425	0.273844	0.372633	2798.792	4187.153	2864.326	3046.853	2960.529	2783.793
18547	RBBP8	3523.586	-0.16502	0.132742	-1.24314	0.213815	0.306446	3284.501	4535.307	3352.729	3415.154	3334.874	3218.949
18134	RALA	3044.134	-0.16513	0.125527	-1.31552	0.188334	0.276104	2955.997	3826.956	2871.979	2874.98	2804.374	2930.52
20134	CCDC191	412.9719	-0.16515	0.164085	-1.0065	0.314176	0.414839	426.622	501.9766	381.9565	377.2295	385.0399	405.0067
17053	MICU2	3164.923	-0.16517	0.111105	-1.48665	0.137108	0.213746	3145.727	3779.331	3109.223	2962.033	3138.075	2855.147
19289	TMEM42	835.6279	-0.16543	0.1455	-1.13697	0.255552	0.352195	967.6242	725.8681	956.6306	808.03	780.7754	774.8392
17698	POLR2J	3882.139	-0.16546	0.119443	-1.38524	0.165981	0.249327	3655.288	4817.771	3839.741	3691.938	3645.045	3643.051
24995	LOC103245	13.47159	-0.16558	0.67282	-0.2461	0.805606	0.856853	14.63633	14.78012	13.2189	11.16063	14.97377	12.05975
23746	LOC103235	77.82231	-0.16569	0.37234	-0.445	0.656318	0.734786	72.09749	119.3358	56.35424	53.57105	79.14709	86.42823
24316	LOC119625	33.06443	-0.16573	0.461802	-0.35887	0.719689	0.786846	27.6464	45.98259	31.30791	33.4819	27.80844	32.15934
16452	ABHD13	1317.041	-0.16577	0.104967	-1.57923	0.114283	0.184671	1398.041	1426.555	1356.676	1236.598	1182.928	1301.448
16109	LRRC40	1657.727	-0.16587	0.100926	-1.64348	0.100283	0.165499	1810.568	1656.468	1792.204	1522.311	1600.055	1564.753
20004	CFDP1	5577.637	-0.16591	0.161169	-1.02944	0.303273	0.403044	4930.276	7829.084	4932.735	5428.533	5292.16	5053.037
15827	RRM1	6493.537	-0.16614	0.098036	-1.69472	0.090128	0.151391	7106.752	6912.169	6589.968	6033.439	5623.722	6695.173
17322	ANLN	17104.05	-0.16628	0.115052	-1.44524	0.148391	0.227746	16711.98	21250.53	16305.16	15622.66	16009.1	16724.87
20666	ZNF674	323.7911	-0.16633	0.179468	-0.92678	0.354039	0.455441	328.5043	385.3779	313.7748	261.1589	344.3968	309.5337
20568	MCRIP1	2416.413	-0.16638	0.176538	-0.94248	0.345949	0.447515	3021.047	1771.972	2876.849	2290.162	2030.016	2508.429
18511	TIMMDC1	1116.667	-0.16642	0.1332	-1.24944	0.211505	0.303746	1231.078	1060.884	1250.229	939.7255	1200.041	1018.044
25783	LOC119625	3.34329	-0.16655	1.366386	-0.12189	0.902986	0.931074	3.252518	2.189647	4.87012	4.464254	4.278221	1.004979
18137	CD44	17030.59	-0.16662	0.126698	-1.31508	0.188482	0.276274	15693.94	21794.65	16552.84	15526.68	15660.43	16955.01
18930	LOC103245	1390.487	-0.16679	0.139155	-1.19858	0.230692	0.32398	1565.545	1497.719	1342.066	1287.937	1540.16	1109.497
16565	LUZP1	4444.761	-0.16683	0.106746	-1.56286	0.118085	0.189513	4528.047	5209.718	4371.976	4013.364	4030.084	4515.373
20917	LOC103236	293.0621	-0.16693	0.187747	-0.88912	0.373941	0.47527	259.1173	359.1022	311.6877	285.7123	267.3888	275.3644
20032	LOC119625	722.7225	-0.16701	0.163313	-1.02262	0.306486	0.406746	911.2472	631.7132	752.7813	602.6743	712.3239	725.5952
25012	LOC119625	13.95941	-0.16703	0.685073	-0.24381	0.807381	0.858164	17.34676	9.853413	17.39328	13.39276	10.69555	15.07469
18031	TGFB3	1019.648	-0.1671	0.124954	-1.33733	0.181114	0.267036	1036.469	1193.905	1008.81	897.315	958.3216	1023.069
16320	ST7L	2049.402	-0.16719	0.104369	-1.60188	0.109183	0.177857	2074.565	2336.901	2089.281	1901.772	2040.712	1853.182
24478	LOC103236	25.13719	-0.16726	0.501506	-0.33351	0.738748	0.802219	28.73058	23.53871	27.13352	26.78552	23.53022	21.10457
15690	TRPC1	2111.635	-0.16733	0.097315	-1.71943	0.085537	0.144933	2340.187	2110.273	2251.387	1953.111	2030.016	1984.834
23971	LOC103225	42.24641	-0.1674	0.406881	-0.41142	0.680764	0.755	39.03022	42.69812	53.57132	35.71403	34.22577	48.23901
16801	IPO9												



17197	MTMR14	947.7603	-0.16795	0.114393	-1.46819	0.142054	0.219602	1009.365	1054.315	945.4989	892.8508	877.0354	907.4965
25179	RAB33A	11.60202	-0.16798	0.772827	-0.21736	0.827928	0.87416	14.09425	6.568942	16.00182	8.928508	14.97377	9.044815
24358	LOC10324	33.80459	-0.16799	0.475994	-0.35293	0.724141	0.790283	48.24569	29.01283	29.22072	42.41041	27.80844	26.12947
19976	PCBP3	475.6301	-0.16808	0.162594	-1.03376	0.301248	0.400916	432.0428	578.0669	501.6223	412.9435	457.7697	471.3354
22506	LOC11962	136.1077	-0.16811	0.263308	-0.63847	0.523169	0.617995	135.5216	181.1933	115.4914	111.6063	141.1813	131.6523
16311	SCCPDH	1983.066	-0.16813	0.104813	-1.60409	0.108695	0.17716	2193.824	1907.183	2194.337	1848.201	1901.669	1853.182
23946	LOC11962	48.63647	-0.16816	0.404316	-0.41592	0.67747	0.752131	66.13454	50.36189	66.87376	44.64254	55.61688	38.18922
21347	DTNBP1	212.5357	-0.16816	0.203858	-0.8249	0.409427	0.509889	208.1612	261.1154	206.6322	183.0344	203.2155	213.0556
17933	ZKSCAN1	4920.891	-0.16847	0.124382	-1.3545	0.175578	0.260288	4741.629	6204.913	4678.793	4656.217	4410.846	4832.946
16937	ZSCAN25	1361.857	-0.16855	0.112251	-1.50153	0.13322	0.209107	1469.054	1442.978	1417.901	1272.312	1167.954	1400.941
22438	ARHGFE19	161.0408	-0.16866	0.259292	-0.65048	0.515382	0.610607	205.4507	120.978	184.3688	167.4095	143.3204	144.717
26073	LOC11962	1.135482	-0.16867	2.24412	-0.07516	0.940088	0.958548	0.542086	1.642235	1.391463	2.232127	0	1.004979
19980	PRSS58	319.5469	-0.16873	0.163313	-1.03314	0.301537	0.401219	331.2148	316.9514	367.3462	294.6408	301.6146	305.5138
25138	LOC11961	12.27017	-0.16874	0.750648	-0.22479	0.822143	0.869468	14.63633	15.32753	8.348776	11.16063	17.11289	7.034856
17916	CEP43	746.5523	-0.16875	0.124236	-1.3583	0.174369	0.25874	814.2137	820.5703	733.9966	736.6019	684.5154	689.4159
18139	BCAS3	876.9473	-0.16876	0.128355	-1.31482	0.188571	0.276375	892.8163	1038.988	851.5752	852.6725	808.5838	817.0483
18588	NFKBIL1	830.8711	-0.1688	0.1365	-1.23661	0.216231	0.309259	897.695	781.1567	964.2837	749.9947	735.8541	856.2425
21423	HoxA5	258.2517	-0.16897	0.207437	-0.81456	0.415324	0.515413	224.4238	334.4686	262.2907	243.3018	226.7457	258.2797
15949	ITPK1	2471.74	-0.16901	0.10081	-1.67648	0.093645	0.156094	2632.371	2605.68	2618.733	2254.448	2177.615	2541.593
18391	SNU13	6711.637	-0.16924	0.133651	-1.26626	0.205419	0.296958	7771.35	5616.445	7929.25	6466.472	5899.667	6586.635
17332	DNAJB6	2968.733	-0.16935	0.117316	-1.44355	0.148866	0.228351	2797.708	3632.625	2997.906	2810.248	2768.009	2805.903
19065	LOC10324	470.1209	-0.16937	0.144161	-1.17485	0.240054	0.334736	497.6353	528.7998	466.8357	466.5145	410.7092	450.2308
15850	REXO2	2459.814	-0.16938	0.100149	-1.69129	0.090782	0.152268	2479.503	2821.908	2508.807	2374.983	2297.405	2276.278
16289	LOC10322	4765.357	-0.16939	0.105294	-1.60872	0.107678	0.17574	5186.682	4790.948	5165.805	4359.344	4083.562	5005.803
18977	LOC10321	864.337	-0.16948	0.142524	-1.18914	0.234385	0.328341	852.7019	1062.526	827.2246	790.173	885.5918	767.8043
18052	DDX49	1911.203	-0.1695	0.127079	-1.33383	0.182259	0.268411	2238.817	1716.136	2119.198	1752.22	1711.289	1929.561
23949	LNP1	39.14518	-0.16954	0.407892	-0.41564	0.677675	0.752265	41.19856	44.88777	38.96096	31.24978	36.36488	42.20914
20446	CTU2	443.6164	-0.16986	0.177833	-0.95517	0.339492	0.441426	499.2615	418.2226	493.9693	470.9788	323.0057	456.2607
25780	DAPL1	2.974258	-0.16989	1.389289	-0.12228	0.902674	0.93086	2.710432	3.831883	2.782925	2.232127	4.278221	2.009959
15302	G3BP1	18075.93	-0.16992	0.095511	-1.77907	0.075228	0.130697	18823.95	20368.65	18233.03	16336.94	16148.15	18544.89
21647	FBXO15	164.7105	-0.16993	0.216935	-0.78333	0.433433	0.532418	190.2723	156.5598	175.3243	169.6417	149.7377	146.727
17342	CDC34	1258.207	-0.17012	0.118121	-1.44023	0.149802	0.229644	1412.135	1193.905	1394.246	1149.545	1157.259	1242.155
24833	SOX3	20.26834	-0.17013	0.616451	-0.27599	0.782559	0.83777	17.88885	16.96977	28.52499	26.78552	21.39111	10.04979
17939	FTF2H4	1178.403	-0.17014	0.12575	-1.35302	0.176049	0.260899	1311.307	1203.211	1235.619	1091.51	977.5736	1251.199
15589	FAF1	3690.763	-0.17019	0.098302	-1.73132	0.083395	0.142211	3774.005	4264.885	3685.985	3544.618	3362.682	3512.403
21899	ZNF829	148.9631	-0.17027	0.228715	-0.74446	0.456599	0.554303	166.9626	154.9175	153.7566	118.3027	139.0422	160.7967
16837	LOC10322	943.7479	-0.17041	0.112258	-1.51801	0.129011	0.203691	994.7285	1011.617	994.8959	841.5119	894.1483	925.5861
23607	LOC10322	67.02871	-0.17042	0.364621	-0.46738	0.640231	0.720943	96.49137	50.36189	66.09448	71.42806	53.47777	64.31869
19105	GRB7	952.2883	-0.17045	0.145824	-1.1689	0.242445	0.337367	1105.856	859.4365	1064.469	779.0123	924.0958	980.86
24613	LOC11962	22.53763	-0.17046	0.542146	-0.31442	0.753202	0.813549	27.10432	26.82318	17.39328	24.5534	19.252	20.09959
23441	LOC11961	61.82772	-0.1705	0.345485	-0.49351	0.621653	0.705032	56.91907	77.18507	61.22436	55.80317	70.59065	49.24399
20272	LOC11962	260.2448	-0.17055	0.173315	-0.98402	0.325104	0.426346	288.3899	260.0206	278.9883	238.8376	245.9977	249.2349
17143	TMEM167	2532.583	-0.1707	0.115819	-1.47387	0.140516	0.217909	2893.115	2336.354	2813.538	2508.911	2406.5	2237.084
17696	ZFP91	5911.366	-0.1712	0.123565	-1.38551	0.165897	0.249216	5707.085	7500.637	5577.678	5484.336	5542.436	5656.024
17272	GOLM1	3927.349	-0.17126	0.117761	-1.45429	0.145867	0.224518	3897.601	4773.978	3813.304	3633.903	3452.525	3992.783
23244	LOC10323	62.53791	-0.17131	0.327712	-0.52274	0.601155	0.687503	65.05036	72.80577	61.22436	62.49956	51.33866	62.30873
14943	YIPF5	3609.389	-0.17136	0.092797	-1.84662	0.064802	0.115289	3693.234	4073.839	3701.291	3348.19	3510.281	3329.497
16149	DNAJA2	4877.867	-0.17142	0.104683	-1.6375	0.101526	0.167135	4900.461	5803.66	4798.459	4674.074	4419.403	4671.145
25778	LOC11962	3.428503	-0.17148	1.400179	-0.12247	0.902525	0.930772	3.252518	2.737059	4.87012	6.696381	0	3.014938
16319	PFDN1	3860.715	-0.1715	0.107057	-1.60195	0.109166	0.177841	3852.088	4587.858	3832.088	3459.797	3647.184	3784.753
19745	PHF21A	960.7399	-0.17151	0.161623	-1.06116	0.288619	0.388602	900.9475	1276.564	874.5343	868.2974	964.7389	879.357
16858	OGDHL	6800.294	-0.17151	0.113331	-1.51334	0.130193	0.205313	7660.222	6573.321	7387.971	5979.868	5925.337	7275.046
18013	ELOB	2648.922	-0.1716	0.127953	-1.34116	0.17987	0.265488	2876.31	2342.375	3198.277	2491.054	2626.828	2358.687
17960	LCOR	4317.217	-0.17173	0.127277	-1.34926	0.177254	0.262378	4075.405	5479.045	4169.518	3995.507	3899.599	4284.227
24227	LOC10324	32.64123	-0.17178	0.463881	-0.3703	0.171157	0.780341	33.60935	43.79295	25.74206	33.4819	32.08666	27.13445
18017	RITA1	957.9453	-0.17184	0.12818	-1.3406	0.180052	0.265676	1047.853	983.699	1019.246	899.5472	789.3318	1007.994
18034	MFS08	1173.676	-0.17201	0.128665	-1.33692	0.18125	0.267184	1383.404	1068	1279.45	1109.367	1097.364	1104.472
25094	LOC11961	14.92672	-0.17234	0.743832	-0.23169	0.816778	0.865308	17.34676	16.42235	12.52316	17.85702	21.39111	4.019918
17406	GLRX3	4194.974	-0.17236	0.120643	-1.42866	0.153101	0.233839	4687.963	3707.073	4940.388	3872.74	4098.536	3863.141
15075	NUP133	6098.981	-0.17238	0.094677	-1.82071	0.068652	0.121068	6581.471	6460.554	6354.81	5640.585	5309.273	6246.952
18560	POLR3F	1049.741	-0.17239	0.138837	-1.24166	0.214361	0.307046	1005.57	1303.935	1025.508	964.2789	1056.721	942.6707
13620	TALDO1	14130.23	-0.1724	0.082676	-2.08519	0.037052	0.072322	15188.18	14694.18	15041.71	13618.21	12535.19	13703.9
14914	DDX54	5126.26	-0.17242	0.093133	-1.85131	0.064125	0.114306	5369.365	5497.657	5437.836	4712.02	4517.802	5222.878
25631	LOC10324	4.809154	-0.17245	1.186769	-0.14531	0.884464	0.917384	4.336691	4.926706	5.565851	4.464254	8.556443	1.004979
19997	CCDC66	2384.571	-0.17255	0.167497	-1.03014	0.302943	0.402736	2104.921	3363.298	2111.545	2225.431	2312.379	2189.85
24744	LOC11962	21.07909	-0.17257	0.593944	-0.29055	0.771397	0.828723	24.39389	29.01283	13.2189	26.78552	14.97377	18.08963
25129	LOC11962	11.19983	-0.17265	0.761321	-0.22677	0.820601	0.868147	13.01007	11.49565	10.43597	13.39276	12.83466	6.029877
23292	LOC10323	68.86789	-0.17266	0.335246	-0.51503	0.606534	0.692285	86.73382	54.19377	77.92191	64.73168	66.31243	63.31371
21464	LOC11962	720.5376	-0.17279	0.213756	-0.80834	0.418893	0.518835	548.0493	1072.38	670.685	627.2277	714.463	690.4209
19724	SDHAF4	680.8376	-0.17291	0.162383	-1.06483	0.286955	0.386773	778.9781	566.5712	818.8758	645.0847	652.4288	623.0873
14997	ECI2	3328.918	-0.17										



23389	LOC119620	176.8664	-0.1737	0.34708	-0.50045	0.616756	0.701033	250.4439	90.32295	224.0255	129.4634	151.8769	215.0656
21964	TMEM143	175.2276	-0.1737	0.236833	-0.73343	0.463296	0.560733	182.141	210.7535	167.6713	127.2312	162.5724	200.9959
22975	LOC103237	70.91734	-0.17372	0.305583	-0.56847	0.569714	0.659256	74.80792	72.25836	79.31338	64.73168	62.03421	72.35852
17138	EIF4ENIF1	1782.552	-0.17374	0.117826	-1.4745	0.140346	0.217709	1839.841	2084.544	1749.764	1649.542	1546.577	1825.043
19038	SMIM30	1158.777	-0.17389	0.147563	-1.17838	0.238644	0.333247	1266.314	1007.238	1408.856	1118.296	1170.094	981.8649
18581	ARHGEF10	1397.826	-0.17396	0.140533	-1.23788	0.21576	0.308701	1407.798	1636.761	1408.856	1104.903	1292.023	1536.614
16223	GOPC	3163.29	-0.17406	0.107227	-1.62329	0.104527	0.17129	3211.32	3732.801	3121.051	2848.194	2934.86	3131.516
17846	FBXO9	3831.744	-0.17412	0.127161	-1.36925	0.170921	0.254607	4458.66	3298.704	4432.505	3618.278	3491.029	3691.29
16827	GTF3C5	1073.391	-0.17425	0.114618	-1.52023	0.128454	0.202944	1124.287	1172.009	1123.606	970.9752	954.0434	1095.428
20623	ZNF577	340.5059	-0.17443	0.186989	-0.93284	0.3509	0.452344	333.3831	434.0976	313.0791	343.7476	327.2839	291.444
15905	LMAN1	16652.87	-0.17446	0.103624	-1.68356	0.092267	0.154223	16722.28	19962.47	16294.03	15321.32	15204.8	16412.32
24264	CCL28	30.79742	-0.17466	0.476334	-0.36667	0.713865	0.782151	31.44101	30.65506	36.17803	17.85702	38.50399	30.14938
14636	IFNAR1	5571.523	-0.17481	0.09201	-1.8999	0.057446	0.104346	5902.236	6034.12	5795.442	5303.534	4832.251	5561.556
22703	LOC119624	84.27803	-0.1749	0.287593	-0.60816	0.54308	0.635914	95.4072	78.27989	93.92374	78.12444	85.56443	74.36848
16597	LOC103237	883.3733	-0.17513	0.112429	-1.55767	0.119312	0.191113	944.3145	914.1777	953.8477	821.4227	819.2794	847.1977
23743	PNLDC1	50.62003	-0.17535	0.393123	-0.44603	0.655574	0.734045	64.50828	44.34036	50.78839	46.87467	62.03421	35.17428
16982	CNOT2	4573.451	-0.17541	0.117336	-1.49494	0.134931	0.211195	4547.02	5660.786	4346.93	4160.685	4295.334	4429.95
19239	CHD1	7096.066	-0.17542	0.152986	-1.14662	0.251538	0.347582	6480.1	9811.262	6288.716	6569.15	6785.259	6641.909
15183	ZDHHC3	3952.716	-0.17561	0.097597	-1.79934	0.071965	0.126008	4167.56	4375.463	4042.895	3642.831	3469.638	4017.908
18150	MRPL50	718.245	-0.17569	0.133843	-1.31263	0.189306	0.277284	784.399	693.5708	804.9612	738.834	654.5679	633.1371
19233	GLIPR2	394.6322	-0.17569	0.153062	-1.14784	0.251036	0.346997	424.9957	441.2139	391.6968	370.5331	344.3968	394.9569
15361	NME4	2476.593	-0.1757	0.099434	-1.767	0.077228	0.133658	2505.523	2846.541	2528.288	2323.644	2355.161	2300.398
13793	CDC42	4072.175	-0.17574	0.085822	-2.04769	0.04059	0.078234	4215.264	4431.846	4312.839	3921.847	3709.218	3842.037
17859	ZNF608	2303.283	-0.17574	0.12847	-1.36794	0.171331	0.255048	2186.234	2906.757	2238.168	2104.896	2162.641	2221.005
17055	LOC103227	5164.977	-0.17575	0.118234	-1.48644	0.137162	0.213806	5133.016	6305.089	5004.396	4727.645	4528.497	5291.217
15853	ACOT9	2018.178	-0.17581	0.103968	-1.69102	0.090834	0.152326	2238.817	1954.26	2231.906	1890.612	1858.887	1934.585
21105	TIGD1	217.6996	-0.17583	0.203398	-0.86449	0.387322	0.487891	196.2353	251.8094	246.2889	209.8199	183.9635	218.0805
22267	LOC119620	124.5515	-0.17588	0.258852	-0.67946	0.496846	0.593198	136.0637	123.7151	133.5804	136.1597	128.3466	89.44317
15770	CISD1	2378.328	-0.17592	0.103055	-1.70703	0.087816	0.148039	2481.129	2726.111	2359.225	2194.181	2346.604	2162.716
25903	LOC119615	2.236408	-0.17599	1.687034	-0.10432	0.916918	0.941068	3.252518	1.094824	2.782925	0	4.278221	2.009959
16366	POLR2C	3381.403	-0.17601	0.110393	-1.59437	0.110853	0.180069	3912.237	3214.402	3635.196	3401.762	2954.112	3170.71
22361	LOC103247	102.716	-0.17602	0.264796	-0.66473	0.506222	0.601847	100.8281	112.2194	114.0999	109.3742	81.28621	98.48799
18431	PSMB4	8146.726	-0.17603	0.139735	-1.25973	0.207768	0.299686	9998.241	6657.075	9276.882	7426.286	7439.827	8082.045
20356	KAT6B	587.8185	-0.17606	0.181818	-0.96832	0.332884	0.434748	562.6857	797.0316	509.9711	587.0494	530.4994	539.674
14456	SECISBP2	2419.328	-0.17618	0.091145	-1.93299	0.053238	0.097905	2546.722	2599.111	2558.204	2261.145	2201.145	2349.642
19579	LOC103215	444.0717	-0.17634	0.162133	-1.08762	0.276762	0.375797	428.7903	548.5066	434.8321	439.729	408.5701	404.0017
17214	SERPINF2	2219.707	-0.17647	0.120407	-1.46561	0.142756	0.220474	2502.271	2102.609	2467.759	2040.164	1890.974	2314.468
21496	LOC103227	208.2887	-0.17652	0.219573	-0.80394	0.421433	0.521203	269.959	182.2881	211.5023	183.0344	198.9373	204.0108
15103	CTTN	11613.09	-0.17656	0.097372	-1.81324	0.069794	0.122847	12336.8	12789.18	11851.78	10424.03	10209.98	12066.79
15813	LOC119627	1320.385	-0.17678	0.104065	-1.69878	0.089361	0.150225	1344.374	1459.4	1398.42	1270.08	1229.989	1220.045
15369	LOC103227	3363.084	-0.17691	0.10019	-1.76577	0.077435	0.133945	3752.864	3366.035	3591.365	3283.459	2898.495	3286.283
23805	LOC103227	50.55927	-0.17711	0.406532	-0.43567	0.663074	0.740509	51.49821	61.31012	46.614	40.17829	70.59065	33.16432
24386	LOC119627	54.28571	-0.17727	0.508508	-0.34861	0.727386	0.79301	85.64965	18.612	68.87741	49.10679	49.19955	54.26889
18353	LRRFIP2	3454.716	-0.17728	0.139288	-1.27276	0.203102	0.2942	3239.508	4545.708	3215.67	3109.353	3283.535	3334.522
15597	AP1G1	4358.286	-0.17733	0.102508	-1.7299	0.083648	0.142578	4534.552	5086.551	4259.963	3968.722	3991.581	4308.347
24616	LOC103247	21.17752	-0.17742	0.565853	-0.31355	0.753866	0.814167	27.6464	23.53871	16.69755	20.08914	14.97377	24.11951
16541	NSUN4	1185.101	-0.17743	0.113228	-1.56702	0.117111	0.188223	1241.378	1333.495	1202.224	1116.063	1039.608	1177.836
17309	DPP3	2144.458	-0.17749	0.122667	-1.44689	0.147927	0.227202	2505.523	2054.437	2275.737	1892.844	1876	2262.209
18442	NARF	671.5888	-0.17754	0.141133	-1.25796	0.208407	0.300428	786.0252	637.7348	717.9948	578.1209	635.3159	674.3412
17409	ADK	2140.151	-0.17766	0.124373	-1.42844	0.153166	0.233904	2080.527	2651.115	2082.324	1939.718	2113.441	1973.78
24040	ADAMTS15	34.62108	-0.17769	0.443291	-0.40084	0.688537	0.76143	43.909	29.56024	36.17803	35.71403	34.22577	28.13943
18146	SGCB	1473.086	-0.17771	0.135316	-1.31327	0.189093	0.277026	1432.192	1838.756	1422.075	1426.329	1259.936	1459.23
20421	LOC103237	263.0678	-0.17771	0.18542	-0.95843	0.337844	0.439828	275.3799	306.5506	254.6377	225.4448	280.2235	236.1702
19400	MICOS10	1230.959	-0.17773	0.159037	-1.11753	0.263767	0.361437	1505.374	995.7421	1421.379	1151.778	1082.39	1229.09
17704	MTFMT	666.5751	-0.17783	0.128541	-1.38349	0.166515	0.250038	762.1734	678.2432	680.4253	636.1562	637.455	604.9976
14640	ENC1	3511.667	-0.1779	0.093691	-1.89882	0.057587	0.104574	3755.032	3753.603	3679.723	3370.512	3043.954	3467.179
14572	ERLIN1	3068.13	-0.17834	0.093296	-1.91157	0.055932	0.102042	3300.764	3138.312	3338.815	2863.819	2738.062	3029.008
18876	MCTS1	1159.278	-0.17843	0.147812	-1.20713	0.227382	0.320246	1356.842	979.3197	1354.589	1133.921	1105.92	1025.079
21529	TRAF3IP1	779.4258	-0.17855	0.22313	-0.80021	0.423587	0.523064	655.9245	1213.065	613.6351	689.7272	761.5234	742.6798
19315	POLR3H	1201.769	-0.17856	0.157685	-1.13236	0.257482	0.354432	1472.307	982.6042	1376.157	1095.974	1069.555	1214.015
20298	ZNF184	416.9408	-0.17856	0.182519	-0.97829	0.327929	0.42947	385.4234	544.6748	398.6541	354.9082	414.9875	402.9968
21449	LOC119627	159.9823	-0.17861	0.22013	-0.81138	0.41715	0.517037	179.4306	181.7407	148.8865	154.0168	139.0422	156.7768
23888	LOC119615	53.6515	-0.17865	0.421221	-0.42413	0.671469	0.747255	42.28274	66.78424	59.8329	73.66019	49.19955	30.14938
15236	TRAPPC12	1798.098	-0.17878	0.099909	-1.78947	0.073539	0.128314	1863.151	2025.971	1840.209	1680.792	1659.95	1718.515
19274	BCL9	1062.221	-0.17887	0.15689	-1.14007	0.254258	0.350703	964.9137	1409.585	1008.81	973.2074	1028.912	987.8948
16022	PTPN1	3576.772	-0.1789	0.107652	-1.6618	0.096553	0.160209	3581.023	4257.222	3559.362	3352.655	3197.97	3512.403
24973	ATPGV1FN	16.06445	-0.17893	0.711927	-0.25133	0.801563	0.853303	17.34676	15.32753	17.39328	15.62489	25.66933	5.024897
21361	MRPL52	737.2002	-0.17901	0.217646	-0.82247	0.410811	0.511278	969.7925	481.175	898.1892	700.8879	671.6807	701.4757
25399	LOC119627	6.056673	-0.17911	0.985971	-0.18166	0.855852	0.895816	6.505036	6.568942	6.261582	6.696381	4.278221	6.029877
17548	LOC103247	8369.627	-0.17915	0.127221	-1.40818	0.159079	0.241003	7896.572	10775.25	7993.953	7551.286	8096.534	7904.164
15077	NENF	2398.075											



15264	APPBP2	9669.152	-0.17948	0.100515	-1.78556	0.07417	0.12918	9832.905	11468.82	9509.952	8745.474	9093.359	9364.399
26047	LOC119621	1.462314	-0.17949	2.294958	-0.07821	0.937659	0.957027	3.252518	0.547412	0.695731	0	4.278221	0
18886	LOC103241	469.3132	-0.1795	0.148804	-1.20627	0.227715	0.320559	483.541	468.5845	540.5833	446.4254	472.7435	404.0017
14941	RHOA	17690.7	-0.17972	0.097299	-1.84706	0.064739	0.115205	17628.65	20968.06	17775.94	16950.77	16248.68	16572.11
19616	CBLL1	935.845	-0.1799	0.166043	-1.08345	0.278607	0.377589	821.8029	1262.332	898.8849	852.6725	874.8963	904.4815
15886	MSANTD2	1503.14	-0.17994	0.106668	-1.68693	0.091617	0.153319	1591.566	1698.071	1503.475	1368.294	1386.144	1471.29
23578	LOC103231	48.02653	-0.17996	0.380906	-0.47244	0.366613	0.717803	41.19856	56.93083	54.96278	51.33892	38.50399	45.22408
21514	DOHH	287.7391	-0.17999	0.224426	-0.80198	0.422564	0.522165	353.9824	212.3958	351.3443	276.7837	254.5542	277.3743
16761	TMEM199	2243.158	-0.1802	0.117678	-1.53133	0.125688	0.199357	2514.197	2048.962	2588.816	2066.95	2064.242	2175.781
15644	PIAS2	2355.839	-0.18025	0.104435	-1.72594	0.084358	0.143355	2417.705	2755.671	2334.874	2185.252	2222.536	2218.995
16853	DAAM2	1444.713	-0.18048	0.119136	-1.51492	0.129793	0.204744	1501.037	1658.11	1449.904	1388.383	1208.598	1462.245
21975	LOC119624	209.4899	-0.18053	0.246702	-0.73176	0.464318	0.561699	181.5989	299.4343	187.1517	174.1059	209.6328	205.0158
16501	DHX35	1300.005	-0.18055	0.114613	-1.57526	0.115197	0.185595	1457.128	1300.103	1392.158	1174.099	1152.981	1323.558
18950	NSUN3	493.4077	-0.18056	0.151148	-1.19457	0.232253	0.325829	576.7799	469.1319	523.8857	484.3716	479.1608	427.1163
13703	AAGAB	3140.453	-0.1806	0.087342	-2.06772	0.038667	0.075017	3354.973	3385.195	3270.633	3002.211	2859.991	2969.714
22637	BAMBI	81.77069	-0.18062	0.292354	-0.61782	0.536693	0.630295	82.93921	88.1333	91.14081	73.66019	66.31243	88.43819
16550	CEBPZ	3818.374	-0.18068	0.11539	-1.56586	0.117382	0.188555	3792.978	4704.457	3672.766	3551.314	3647.184	3541.548
14912	MED20	1796.672	-0.18076	0.097615	-1.85177	0.064058	0.114202	1947.716	1926.89	1855.516	1607.131	1721.984	1722.535
21457	NACA2	204.9731	-0.18091	0.223304	-0.81016	0.417846	0.517727	192.4407	238.1241	226.1127	196.4272	147.5986	229.1353
21503	CUNH17or	160.6102	-0.18108	0.225511	-0.80298	0.421985	0.521717	180.5148	153.2753	176.7158	178.5702	136.9031	137.6822
24130	LOC119625	30.42327	-0.18111	0.470199	-0.38517	0.700114	0.771321	33.06727	36.67659	26.43779	29.01765	34.22577	23.11453
24950	LOC119625	12.73718	-0.18115	0.711434	-0.25463	0.799006	0.851366	13.01007	15.87494	11.1317	13.39276	14.97377	8.039836
16898	GCF2C	1671.818	-0.18118	0.120244	-1.50679	0.131864	0.207445	1657.158	2026.519	1644.013	1553.56	1632.141	1517.519
13788	COP53	3050.343	-0.1813	0.088504	-2.0485	0.040511	0.07811	3171.747	3197.432	3354.817	2852.658	2913.469	2811.933
13567	COPZ1	3193.322	-0.18135	0.086535	-2.09564	0.036114	0.070767	3465.016	3335.38	3382.646	2941.943	2996.894	3038.053
15339	AMMECR1	2334.644	-0.18136	0.102306	-1.77268	0.076282	0.132214	2542.385	2565.172	2341.832	2091.503	2111.302	2355.672
16382	JMJD8	2490.937	-0.18139	0.113974	-1.59151	0.111496	0.180938	2775.482	2461.711	2712.657	2274.537	2111.302	2609.932
21358	ATAT1	310.4137	-0.18141	0.220399	-0.8231	0.41045	0.5109	277.5482	440.6665	271.3352	305.8014	271.6671	295.464
25048	LOC119618	12.57037	-0.18143	0.762688	-0.23789	0.811969	0.861803	14.63633	7.116354	18.78475	13.39276	6.417332	15.07469
14224	GPATCH2L	4816.902	-0.18179	0.092158	-1.97254	0.048548	0.090738	5217.581	5373.394	4770.63	4555.771	4353.09	4630.945
21151	LOC103220	432.6376	-0.18185	0.211894	-0.85821	0.390774	0.49117	549.6756	324.0678	506.4924	453.1218	344.3968	418.0715
24901	LOC103221	19.73614	-0.18194	0.686819	-0.2649	0.791087	0.844586	33.06727	8.211177	21.56767	26.78552	10.69555	18.08963
18188	ZNF331	800.3877	-0.18196	0.139619	-1.30322	0.192499	0.281371	792.5303	985.8887	774.349	720.977	765.8016	762.7794
23702	LOC103224	50.88604	-0.18198	0.401522	-0.45322	0.65039	0.729501	42.28274	75.54283	43.83108	49.10679	51.33866	43.21412
25511	LOC119623	4.890816	-0.18201	1.119742	-0.16255	0.870876	0.907376	6.505036	3.284471	5.565851	6.696381	4.278221	3.014938
24015	LOC119625	42.14061	-0.18217	0.450655	-0.40423	0.686042	0.759459	35.23561	60.76271	36.87376	44.64254	49.19955	26.12947
15998	VP552	2392.186	-0.18252	0.109563	-1.66593	0.095728	0.159079	2378.133	2841.615	2412.796	2203.109	2181.893	2335.572
24498	LOC103240	23.77121	-0.1827	0.551451	-0.3313	0.740418	0.803494	29.81475	21.34906	23.65487	33.4819	19.252	15.07469
16402	RBBP5	2177.334	-0.18271	0.115051	-1.58809	0.112267	0.181967	2226.891	2610.06	2110.153	2051.325	1938.034	2127.542
16955	GPATCH1	1058.536	-0.18288	0.122011	-1.49886	0.13391	0.209968	1084.173	1255.215	1036.64	979.9037	1005.382	989.9048
15695	RBM15	2235.4	-0.18289	0.106487	-1.71744	0.085898	0.145499	2369.46	2508.241	2259.735	1988.825	1995.79	2290.348
14916	PGM3	2041.023	-0.18292	0.098829	-1.85091	0.064182	0.114393	2193.824	2204.975	2117.111	1890.612	1807.549	2032.068
14226	WDR33	4438.805	-0.18295	0.092788	-1.97168	0.048646	0.090909	4670.074	4975.426	4519.471	4008.9	4062.171	4396.785
15567	DDX20	1468.897	-0.18303	0.105565	-1.73377	0.08296	0.141677	1541.694	1629.098	1515.303	1448.65	1287.745	1390.892
14726	PTPN9	1963.075	-0.18303	0.097122	-1.88452	0.059494	0.107405	2096.79	2090.566	2078.15	1877.219	1726.262	1909.461
15908	RNF146	1689.902	-0.18326	0.108902	-1.68276	0.092422	0.154443	1864.235	1749.528	1784.551	1520.078	1482.404	1738.614
20224	MPHOSPH1	3012.625	-0.18329	0.184818	-0.99174	0.321322	0.422372	2579.247	4487.682	2544.29	2718.731	2868.547	2877.256
16897	NSMF	1489.022	-0.18341	0.121685	-1.50725	0.131747	0.207294	1613.791	1482.391	1660.015	1437.49	1212.876	1527.569
16185	LOC103216	3084.282	-0.18341	0.11259	-1.62903	0.103307	0.169694	3069.835	3719.116	3054.261	2870.515	2750.896	3041.068
15971	BTAf1	5163.767	-0.18342	0.109777	-1.67081	0.09476	0.157735	5213.245	6279.908	4982.132	4703.092	4887.868	4916.36
17874	LOC103228	710.016	-0.18344	0.134366	-1.3652	0.17219	0.256108	834.2709	680.9803	751.3899	638.3883	671.6807	683.386
25381	LOC119626	7.602314	-0.18347	0.995918	-0.18423	0.853836	0.894322	9.215468	10.94824	4.87012	2.232127	4.278221	14.06971
16120	RBM7	1527.017	-0.18353	0.111741	-1.64248	0.100491	0.165729	1537.899	1778.541	1557.047	1464.275	1354.057	1470.285
18970	MAMLD1	670.7993	-0.18366	0.154251	-1.19066	0.233788	0.327636	680.8605	804.148	660.9448	580.353	566.8643	731.6251
14625	KIAA0319L	3787.816	-0.18396	0.09667	-1.90301	0.057039	0.103684	4073.779	4119.821	3898.879	3343.726	3435.412	3851.081
15547	MRPS26	2214.873	-0.18406	0.106028	-1.73597	0.082569	0.141191	2409.574	2158.992	2500.459	2174.092	1948.73	2097.392
23915	LOC103238	34.67586	-0.18411	0.437605	-0.42072	0.673956	0.7492	33.06727	40.50847	36.17803	37.94616	34.22577	26.12947
19593	KDM1B	373.3512	-0.18411	0.1694	-1.08685	0.277102	0.375978	371.3292	457.6363	364.5632	339.2833	329.423	377.8723
18307	PCGF1	743.8367	-0.18424	0.143813	-1.2811	0.200159	0.290666	761.0893	827.6867	790.3508	714.2806	579.699	789.9139
17662	HAUS5	1108.972	-0.1843	0.132214	-1.39394	0.163335	0.245854	1158.981	1185.147	1203.615	926.3327	964.7389	1215.02
16145	ATG16L1	2130.272	-0.1846	0.112692	-1.63807	0.101407	0.166981	2380.843	2177.604	2248.604	1928.558	1813.966	2232.059
18543	B4GALT7	1362.967	-0.18468	0.148439	-1.24416	0.213442	0.306011	1639.811	1185.147	1530.609	1214.277	1165.815	1442.146
22932	LOC103245	79.22894	-0.18478	0.321952	-0.57393	0.566013	0.656092	86.73382	104.0082	61.92009	69.19594	79.14709	74.36848
19653	CMC2	1175.914	-0.18487	0.171569	-1.07751	0.281254	0.380437	1395.33	907.6088	1449.904	1055.796	1193.624	1053.218
17248	PDCD7	832.0106	-0.18503	0.126898	-1.45808	0.144819	0.223214	869.5065	907.0614	884.9703	765.6196	701.6283	863.2774
16966	MRPS25	1337.921	-0.18507	0.123606	-1.49722	0.134336	0.210499	1565.545	1279.301	1429.728	1265.616	1148.702	1338.633
17598	GMPPA	1007.131	-0.18508	0.132043	-1.40165	0.16102	0.24309	1155.186	949.7595	1114.562	935.2612	859.9225	1028.094
14892	UBA1	12714.91	-0.18513	0.099748	-1.85593	0.063464	0.113294	13248.05	14710.05	12637.26	11517.78	11277.39	12898.91
14666	DOCK6	2263.813	-0.18553	0.097922	-1.89468	0.058135	0.105381	2418.789	2398.211	2416.275	1966.504	2136.972	2246.129
15090	RBM12B	2362.411	-0.18558	0.102066	-1.81828	0.069022	0.1216	2648.092	2561.887	2332.787	2089.271	2312.379	2230.049
17159	NID1	1705.549	-0.18566										



25568	LOC103226	4.527997	-0.18585	1.195521	-0.15545	0.876465	0.911319	2.168345	8.758589	3.478657	4.464254	4.278221	4.019918
24465	ZAR1	25.11048	-0.18599	0.553703	-0.33591	0.736942	0.800768	28.73058	27.918	22.2634	22.32127	36.36488	13.06473
21349	LOC103248	143.584	-0.186	0.225626	-0.82436	0.409736	0.510227	142.5687	163.6761	152.3652	122.767	145.4595	134.6672
15928	WASHC1	1359.266	-0.18628	0.110899	-1.67974	0.093008	0.155237	1446.286	1520.71	1374.765	1339.276	1170.094	1304.463
14407	NAA30	3807.218	-0.18629	0.095927	-1.94195	0.052143	0.096219	4361.627	3866.37	3932.969	3403.994	3600.123	3678.225
26018	BRSK2	1.518927	-0.1863	2.229469	-0.08356	0.933403	0.953745	2.710432	0.547412	1.391463	4.464254	0	0
25445	TRNAE-UU	5.279916	-0.18633	1.077647	-0.17291	0.862724	0.901376	8.131296	4.379295	4.174388	6.696381	4.278221	4.019918
21417	TCEANC	151.6919	-0.18639	0.228622	-0.81527	0.414918	0.515057	168.5889	154.9175	158.6268	169.6417	134.764	123.6125
18760	TNS3	1038.508	-0.1864	0.152355	-1.22347	0.221152	0.313397	1292.876	906.514	1120.128	870.5295	996.8256	1044.174
14424	GRHPR	3329.769	-0.18647	0.09615	-1.93937	0.052456	0.096682	3714.918	3518.216	3406.301	3080.335	2943.416	3315.427
20047	B9D1	557.9653	-0.18652	0.182712	-1.02082	0.307339	0.407572	668.9346	447.2355	668.5978	477.6752	515.5257	569.8234
18386	UTP25	1617.701	-0.18662	0.147257	-1.2673	0.205047	0.296485	1507.542	2131.074	1528.522	1553.56	1426.787	1558.723
20502	ALPK3	207.3709	-0.18664	0.197261	-0.94618	0.344057	0.446139	221.7133	211.8484	226.1127	198.6593	216.0502	169.8415
21735	KLHDC1	125.0058	-0.18671	0.241899	-0.77185	0.440203	0.538431	140.9425	140.1374	117.5786	111.6063	126.2075	113.5627
21823	LOC103238	119.7308	-0.18675	0.246828	-0.75661	0.449282	0.547337	135.5216	130.8314	116.1871	98.21359	124.0684	113.5627
26179	LOC119621	0.7343	-0.18678	3.147492	-0.05934	0.95268	0.967455	1.626259	0.547412	0	2.232127	0	0
17318	CALU	9670.586	-0.18685	0.129257	-1.44554	0.148305	0.227665	9147.707	12606.35	9133.561	9098.15	8911.535	9126.219
22900	LOC103241	82.34607	-0.18686	0.322642	-0.57916	0.562478	0.65299	79.6867	106.7453	77.22618	91.51721	53.47777	85.42325
16828	GMNN	867.3271	-0.18686	0.122932	-1.52006	0.128496	0.202999	961.1191	849.5831	960.805	761.1553	849.2269	822.0732
14677	NAA50	6312.365	-0.18695	0.098759	-1.89298	0.05836	0.105711	6196.589	7407.577	6560.051	5714.245	5963.841	6031.887
23334	LOC119622	48.49224	-0.18701	0.367514	-0.50886	0.610851	0.695992	50.95612	56.93083	47.30973	46.87467	40.6431	48.23901
12799	CCT2	16038.91	-0.18704	0.083504	-2.23996	0.025093	0.052122	17567.39	17198.04	16471.44	14912.84	14359.85	15723.91
22826	LOC119622	83.38318	-0.18706	0.317666	-0.58887	0.555951	0.647505	101.9122	64.59459	100.881	75.89232	70.59065	86.42823
24320	CHST5	24.52663	-0.18726	0.522271	-0.35855	0.719932	0.787002	31.9831	26.82318	19.48048	20.08914	25.66933	23.11453
17701	SF3B5	2442.06	-0.18729	0.135332	-1.38396	0.166369	0.249869	2837.822	2081.26	2884.502	2267.841	2201.145	2379.791
15312	DNAJB4	2428.207	-0.18736	0.105404	-1.77756	0.075476	0.131042	2493.597	2855.847	2405.839	2323.644	2248.205	2242.109
19199	RRNAD1	492.4918	-0.18784	0.162834	-1.15355	0.248686	0.344357	588.1637	436.2872	551.0192	433.0326	462.0479	484.4001
14975	TRIM59	1708.072	-0.18786	0.102161	-1.83884	0.065939	0.117061	1839.841	1720.515	1893.781	1622.756	1644.976	1526.564
15774	LOC119622	1654.118	-0.18796	0.110178	-1.70594	0.088018	0.148343	1718.414	1834.924	1738.633	1415.169	1525.186	1692.385
19738	LOC119618	366.7401	-0.18798	0.176969	-1.06223	0.288132	0.388063	363.74	463.6578	343.6913	325.8905	365.7879	337.6731
16010	ZCCHC8	1128.67	-0.188	0.113074	-1.66262	0.096388	0.160044	1146.513	1301.198	1159.088	1037.939	1060.999	1066.283
17060	JPH1	1186.082	-0.18802	0.126529	-1.48597	0.137286	0.213937	1216.442	1428.197	1147.261	1116.063	1041.747	1166.781
15909	TTC3	14546.46	-0.18811	0.111785	-1.68277	0.092419	0.154443	14392.94	17925.55	14165.09	13374.9	13057.13	14363.17
16163	MED10	997.1138	-0.18847	0.115341	-1.63404	0.10225	0.168181	1074.957	1032.419	1080.471	986.6001	853.5052	954.7305
18416	FBXL12	717.3336	-0.1885	0.149357	-1.26208	0.206919	0.298706	818.5504	726.9629	752.7813	667.406	560.447	777.8541
16558	GPATCH2	1681.646	-0.18856	0.120525	-1.5645	0.1177	0.188976	1779.127	1997.506	1597.399	1466.507	1668.506	1580.833
15131	GALNT10	2769.851	-0.18871	0.104306	-1.8092	0.07042	0.123727	2950.576	3060.032	2849.716	2410.697	2489.925	2858.162
14793	RICTOR	4518.019	-0.18878	0.100716	-1.87441	0.060874	0.109399	4562.741	5309.895	4568.868	4028.989	4308.169	4329.452
15566	FNDC3A	3539.378	-0.18905	0.109034	-1.73384	0.082946	0.141665	3595.659	4241.347	3477.265	3379.44	3131.658	3410.9
18218	USP42	1547.484	-0.18933	0.145771	-1.2988	0.194014	0.283119	1447.371	2031.993	1466.602	1502.221	1392.561	1444.155
18450	CCDC124	818.053	-0.18935	0.150651	-1.25691	0.208787	0.300847	737.2375	1022.018	858.5325	743.2983	725.1585	822.0732
13525	PIR	2721.53	-0.18938	0.090066	-2.10262	0.035499	0.069777	2897.994	2904.567	2892.851	2564.714	2628.967	2440.09
22454	LOC103238	107.73	-0.18939	0.291853	-0.64891	0.516394	0.611371	111.1277	100.7238	130.1018	133.9276	94.12087	76.37844
14286	DRAP1	3733.904	-0.18953	0.096452	-1.96506	0.049408	0.091943	3812.493	4295.541	3826.523	3640.599	3386.212	3442.055
17479	SLC25A33	901.822	-0.18955	0.133934	-1.41524	0.156997	0.23883	1072.789	830.4237	979.5898	850.4404	838.5314	839.1579
14417	TUBGCP4	3459.27	-0.18958	0.097692	-1.94056	0.052311	0.096462	3691.066	3834.072	3539.881	3191.942	3020.424	3478.234
16874	TMEM11	815.3216	-0.18972	0.125613	-1.51039	0.130945	0.206304	871.6749	846.8461	892.6233	772.3159	682.3763	826.0931
14498	DIDO1	4305.631	-0.18975	0.098548	-1.92546	0.054171	0.099334	4407.162	4955.719	4407.458	3953.097	3831.147	4279.203
15742	LOC103214	1044.14	-0.1898	0.110949	-1.7107	0.087136	0.147154	1138.923	1147.923	1051.946	984.368	949.7651	991.9147
17120	PHF8	105.26	-0.19001	0.128549	-1.47808	0.139386	0.216448	1089.594	1336.232	1111.083	1015.618	977.5736	1101.457
19033	PANX2	332.6568	-0.19004	0.161189	-1.17896	0.238414	0.333013	381.0867	342.1324	339.5169	330.3548	297.3364	305.5138
14835	SEPTIN7	17005.62	-0.19008	0.101926	-1.86485	0.062202	0.111461	17005.25	20502.21	16862.44	16267.74	15921.4	15474.67
25307	LOC119622	7.233852	-0.1901	0.96041	-0.19794	0.843093	0.885669	8.131296	9.306001	6.261582	2.232127	6.417332	11.05477
20875	PRSS41	271.3778	-0.19014	0.212558	-0.89453	0.371036	0.472527	349.6457	219.5121	297.773	267.8552	250.2759	243.205
15785	RATGEF6	2087.87	-0.19016	0.111577	-1.70431	0.088323	0.148752	2203.581	2458.426	2013.447	1866.058	2030.016	1955.69
16748	ATMIN	2712.014	-0.19025	0.124025	-1.53394	0.125045	0.19849	2679.533	3383.552	2611.08	2529	2393.665	2675.255
15849	LOC103238	3199.497	-0.19032	0.112515	-1.69147	0.090746	0.152218	3198.852	3856.516	3177.405	3060.246	2791.539	3112.421
15610	SRF	1816.798	-0.19037	0.110177	-1.72784	0.084016	0.143091	1803.521	2130.527	1878.475	1669.631	1642.837	1775.799
14786	TPD52	5643.38	-0.19037	0.101475	-1.87604	0.06065	0.109048	5748.826	6702.51	5596.463	5178.535	5180.926	5453.019
15456	ABAT	1125.048	-0.19039	0.108731	-1.75103	0.07994	0.13746	1181.748	1219.086	1200.137	986.6001	1065.277	1097.438
15380	CIAO1	2351.401	-0.1906	0.108066	-1.7637	0.077783	0.134452	2659.476	2301.319	2564.466	2158.467	2059.964	2364.717
19830	LOC119622	540.5413	-0.19061	0.181622	-1.04948	0.293958	0.394093	497.0932	736.8163	493.9693	508.925	506.9692	499.4748
14396	DCAF13	3487.199	-0.19064	0.098094	-1.94346	0.051961	0.095956	3558.255	4066.722	3525.967	3278.995	3247.17	3246.084
16197	PDS52	1125.386	-0.19081	0.117252	-1.62738	0.103657	0.170137	1245.172	1180.22	1179.96	968.7431	1022.495	1155.726
20812	CAMSAP3	184.4281	-0.19086	0.211406	-0.90282	0.366619	0.468315	192.4407	207.4691	189.2389	203.1236	145.4595	168.8366
23006	EMILIN2	79.54664	-0.19096	0.339821	-0.56195	0.57415	0.663469	56.91907	108.935	89.05362	66.96381	77.00798	78.3884
14287	SOAT1	2630.449	-0.19097	0.097203	-1.96468	0.049451	0.092018	2840.533	2886.502	2691.089	2310.251	2451.421	2602.897
18372	SPATA7	609.8101	-0.19123	0.150814	-1.26801	0.204794	0.296344	581.6587	741.1956	624.071	582.5851	611.7857	517.5644
24402	LOC119622	23.45709	-0.19129	0.552118	-0.34646	0.728997	0.794213	33.60935	18.06459	23.65487	15.62489	25.66933	24.11951
14930	ZNZF24	5004.713	-0.19146	0.103561	-1.84874	0.064495	0.114843	5020.262	5960.22	5031.529	4506.664	4635.453	4874.15
14921	PSME2	5013.704	-0.19146	0.103456	-1.85067	0.064217	0.11441						



14212	PCNX1	7740.932	-0.19163	0.096998	-1.97562	0.048198	0.090159	8202.309	8851.102	7715.661	6906.201	7009.866	7760.451
17995	SSH2	1105.7	-0.19172	0.142686	-1.34365	0.17906	0.264536	1028.338	1412.322	1097.168	1040.171	998.9647	1057.238
22921	LOC119621	71.73746	-0.19176	0.332772	-0.57625	0.564449	0.654678	61.79785	95.79707	73.05179	62.49956	59.8951	77.38342
23909	LOC103234	34.6064	-0.19178	0.455073	-0.42142	0.673451	0.748826	30.35684	47.07742	34.09084	31.24978	25.66933	39.1942
16020	HMGXB4	2119.508	-0.1918	0.115403	-1.66197	0.096519	0.160162	2134.736	2534.517	2114.328	1832.576	2023.599	2077.293
18849	METRN1	510.899	-0.19183	0.158235	-1.21232	0.225389	0.317985	561.6015	460.9207	614.3308	457.586	468.4652	502.4897
14504	BLOC156	1862.461	-0.19199	0.099812	-1.92349	0.054419	0.099746	2023.066	2070.859	1865.256	1698.649	1756.21	1760.724
25210	LOC119621	8.352369	-0.19211	0.900494	-0.21334	0.831065	0.876392	10.29964	4.379295	11.82743	11.16063	6.417332	6.029877
15057	TMX2	2657.718	-0.19214	0.105368	-1.82349	0.06823	0.120469	2819.933	3098.898	2584.642	2542.393	2382.969	2517.474
18298	RBCK1	759.8778	-0.19223	0.149781	-1.28339	0.199356	0.289643	890.1058	682.0751	862.7069	709.8164	641.7332	772.8292
16183	SMO	2182.412	-0.19227	0.118021	-1.62911	0.10329	0.169682	2471.914	2144.212	2374.531	1964.272	1848.192	2291.353
22897	LOC119621	72.40853	-0.1926	0.332176	-0.57981	0.562042	0.65257	60.17159	99.08154	72.35606	69.19594	66.31243	67.33362
13784	DELE1	3376.099	-0.19263	0.093985	-2.0496	0.040403	0.077925	3751.238	3454.716	3603.193	3091.496	3020.424	3335.527
17680	ZNF35	771.3325	-0.19269	0.138742	-1.38884	0.164881	0.247927	751.3317	949.2121	768.0874	714.2806	714.463	730.6201
13771	C1GALT1	8886.622	-0.19291	0.09398	-2.05271	0.040101	0.077415	9111.93	10405.75	8921.363	8171.817	8423.818	8285.051
14948	MINDY3	1440.434	-0.19296	0.104551	-1.84561	0.064949	0.115512	1532.478	1623.623	1454.079	1357.133	1315.553	1359.737
16705	ZNF618	2772.475	-0.19296	0.125172	-1.54159	0.123173	0.196014	2695.253	3369.867	2814.233	2457.572	2391.526	2906.401
18521	FASKT	2790.57	-0.19298	0.154676	-1.24764	0.212164	0.30454	3360.935	2255.884	3317.943	2620.517	2320.935	2867.206
15032	LRPAP1	2513.12	-0.19299	0.105618	-1.82721	0.067668	0.119676	2603.641	2900.188	2543.594	2343.733	2186.171	2501.394
15907	TRIM27	1388.124	-0.19319	0.114799	-1.68282	0.09241	0.154443	1628.97	1382.215	1434.598	1261.152	1262.075	1359.737
24893	GRHL3	15.44309	-0.19339	0.725178	-0.26667	0.78972	0.843398	10.29964	21.89647	17.39328	4.464254	23.53022	15.07469
16848	DAD1	4145.943	-0.19349	0.127661	-1.51563	0.129613	0.20452	3990.84	5330.149	3950.363	3850.419	3786.226	3967.659
18228	LOC103211	1547.166	-0.19355	0.14931	-1.29626	0.194886	0.284235	1808.942	1375.098	1774.811	1404.008	1242.823	1677.311
17923	NMNAT1	431.4428	-0.19355	0.142735	-1.35601	0.175097	0.25972	456.4367	467.4897	459.1827	399.5507	382.9008	423.0964
18163	RBMX2	1675.412	-0.19368	0.147864	-1.30985	0.190246	0.278461	1574.761	2224.134	1563.308	1515.614	1630.002	1544.653
16993	ALPK1	762.263	-0.19372	0.129738	-1.49315	0.135397	0.211824	876.5537	792.1049	775.7405	674.1023	680.2372	774.8392
24480	LOC103234	24.58439	-0.1938	0.580979	-0.33357	0.7387	0.802219	33.06727	15.32753	29.22072	29.01765	27.80844	13.06473
23828	LOC119611	54.98204	-0.19384	0.447097	-0.43356	0.664608	0.741505	43.36691	94.70224	36.87376	60.26743	53.47777	41.20416
15376	ARHGAP2E	2883.747	-0.19395	0.109937	-1.76423	0.077693	0.13433	2903.957	3470.043	2860.152	2631.678	2641.802	2794.848
14748	MAPKAPK1	6517.999	-0.19397	0.103102	-1.88133	0.059927	0.108024	7128.436	6971.289	6775.032	6084.778	5414.089	6734.367
23405	TSGA13	44.77572	-0.19409	0.389749	-0.49798	0.618499	0.702534	55.29281	49.26706	38.96096	42.41041	38.50399	44.2191
17723	ISCA2	1064.853	-0.19416	0.140677	-1.3802	0.167526	0.251294	1213.731	957.9707	1241.88	979.9037	911.2611	1084.373
19290	MRPL55	734.323	-0.19426	0.170852	-1.13699	0.255544	0.352195	894.9846	596.6789	862.0112	671.8702	641.7332	738.6599
17334	HELQ	552.086	-0.19443	0.134759	-1.44278	0.149083	0.228647	603.3421	572.0453	594.1546	535.7105	470.6043	536.659
15094	ZBTB18	1823.501	-0.1947	0.107164	-1.81685	0.069239	0.121935	1927.117	2082.902	1832.556	1712.041	1591.498	1794.893
12435	TOMM6	4086.651	-0.19471	0.084142	-2.31407	0.020664	0.044178	4338.859	4273.097	4472.857	3837.026	3835.425	3762.643
18295	EXOSC9	1381.731	-0.19475	0.151612	-1.2845	0.198965	0.289122	1297.755	1839.851	1285.016	1332.58	1292.023	1243.16
21210	SLC16A6	223.9529	-0.19475	0.229526	-0.8485	0.39616	0.496555	198.4036	302.7187	214.2853	198.6593	241.7195	187.9312
24487	SLC22A13	22.14401	-0.19476	0.585282	-0.33276	0.739312	0.802655	26.02015	16.96977	27.82925	31.24978	10.69555	20.09959
23268	RTN4RL2	51.85099	-0.19478	0.375153	-0.51921	0.603617	0.689666	55.8349	61.31012	47.30973	60.26743	49.19955	37.18424
13422	IER3IP1	2412.897	-0.19487	0.091811	-2.12252	0.033794	0.066936	2476.793	2613.891	2634.735	2281.234	2256.762	2213.97
18835	SLC25A23	541.0639	-0.19488	0.160641	-1.21311	0.225089	0.317705	531.2446	681.5277	522.4943	484.3716	477.0217	549.7238
23987	LOC103231	32.56594	-0.1949	0.477108	-0.40851	0.6829	0.756864	41.19856	25.18094	36.87376	37.94616	32.08666	22.10955
23492	LOC119621	42.76688	-0.19502	0.401406	-0.48584	0.627084	0.709647	43.909	39.41365	52.87558	40.17829	47.06043	33.16432
15769	ARL10	2240.113	-0.19531	0.114409	-1.70716	0.087793	0.148011	2599.846	2171.583	2409.318	2002.218	1974.399	2283.313
16893	THYN1	1113.756	-0.19533	0.12958	-1.50741	0.131705	0.207269	1064.116	1343.896	1155.61	1091.51	1054.582	972.8201
23919	MORN1	29.54594	-0.19533	0.465175	-0.41991	0.674551	0.749736	33.60935	31.20247	29.91645	22.32127	32.08666	28.13943
23945	HIC1	31.36334	-0.1955	0.4699	-0.41606	0.677369	0.752051	34.69353	37.224	28.52499	20.08914	38.50399	29.1444
13010	EIF2B1	2595.516	-0.1956	0.088812	-2.20242	0.027636	0.056471	2803.671	2782.494	2729.354	2379.447	2412.917	2465.215
25434	LOC103241	5.274391	-0.19578	1.115942	-0.17544	0.860736	0.899657	3.794605	4.379295	8.348776	6.696381	6.417332	2.009959
20303	LOC119621	245.0292	-0.19585	0.200262	-0.97799	0.328079	0.429592	256.4069	293.4127	233.07	207.5878	271.6671	208.0308
13450	SMU1	3495.69	-0.19587	0.092517	-2.11709	0.034253	0.067703	3778.884	3870.749	3551.013	3095.96	3319.9	3357.636
23314	LOC119621	61.74055	-0.19598	0.383091	-0.51157	0.608955	0.694393	62.88202	90.87036	43.13534	60.26743	62.03421	51.25395
16029	KATNIP	1679.115	-0.19601	0.118026	-1.66074	0.096766	0.160505	1743.35	1867.222	1775.506	1562.489	1375.448	1750.674
23401	LOC119621	55.29495	-0.19611	0.393174	-0.49878	0.617932	0.70201	71.5554	44.88777	61.22436	64.73168	32.08666	57.28383
14639	USP39	2439.17	-0.19612	0.103273	-1.89904	0.057559	0.104529	2509.318	2836.141	2469.151	2348.198	2164.78	2307.433
16726	ZNF384	1855.022	-0.1962	0.127586	-1.5378	0.124098	0.197247	1805.148	2333.617	1804.727	1732.131	1687.758	1766.754
24144	SYN3	30.14143	-0.19629	0.511538	-0.38372	0.701182	0.772073	30.89892	37.77142	26.43779	29.01765	40.6431	16.07967
22626	TSPAN10	100.6143	-0.19661	0.317198	-0.61984	0.535361	0.629036	116.5486	72.25836	134.9719	78.12444	96.25998	105.5228
20991	LOC119621	174.8893	-0.19673	0.223566	-0.87994	0.37889	0.479862	190.8144	154.3701	215.6767	169.6417	154.016	164.8166
11908	YME1L1	8235.72	-0.1968	0.081216	-2.42315	0.015387	0.034351	8746.564	9026.273	8620.807	7587	7510.418	7923.258
13802	XRCC5	27052.29	-0.19708	0.096292	-2.04671	0.040686	0.078369	27590.03	32023.59	27081.34	24711.88	24612.61	26294.28
17722	WDR24	1007.015	-0.19715	0.14281	-1.3805	0.167432	0.251168	1167.654	929.5053	1134.738	950.8861	817.1403	1042.164
16546	CHIC2	707.8792	-0.19716	0.125878	-1.56627	0.117285	0.188445	753.5001	743.9327	766.696	680.7987	697.3501	604.9976
18356	TPRKB	395.362	-0.19717	0.154939	-1.27259	0.203165	0.294244	390.3022	428.076	445.9638	388.3901	380.7617	338.6781
25349	TRNAK-UU	6.156758	-0.19731	1.038231	-0.19004	0.849276	0.890668	5.96295	8.758589	5.565851	4.464254	2.139111	10.04979
19633	JMJD4	1153.942	-0.19739	0.182799	-1.07983	0.280219	0.379443	1465.259	868.7425	1367.112	1080.349	958.3216	1183.866
14774	RETREG3	4326.599	-0.19749	0.105185	-1.87756	0.060441	0.10876	4876.609	4378.747	4620.352	3814.705	3781.948	4487.233
22647	LOC119621	132.1652	-0.19752	0.32077	-0.61578	0.53804	0.631597	192.4407	84.30142	148.1908	120.5349	104.8164	142.7071
13756	PPP1R3C	2579.378	-0.19755	0.096092	-2.05587	0.039795	0.076908	2747.836	2838.33	2686.915	2328.108	2312.379	2562.698
19011	LOC103221	725.3415	-0.										



17038	IDS	5917.437	-0.19792	0.133066	-1.48741	0.136907	0.213621	5530.907	7769.416	5668.819	5495.497	5347.777	5692.204
16843	TBKBP1	589.9841	-0.19793	0.130493	-1.5168	0.129318	0.204116	623.3993	642.6615	626.854	569.1924	506.9692	570.8283
13197	SEH1L	2324.639	-0.198	0.091258	-2.16962	0.030036	0.060506	2533.712	2482.513	2437.843	2151.77	2121.998	2220
16117	ZSCAN12	1087.068	-0.19818	0.120638	-1.64279	0.100426	0.165653	1098.809	1281.491	1106.213	953.1182	1039.608	1043.169
13632	MED23	3635.227	-0.1982	0.095173	-2.08248	0.037299	0.07274	3839.598	4114.895	3704.074	3299.084	3274.978	3578.732
24104	CMTM8	35.66006	-0.19845	0.509344	-0.38961	0.696825	0.768494	49.87195	20.25424	43.13534	37.94616	40.6431	22.10955
12774	UHRF2	4443.586	-0.19846	0.088387	-2.24538	0.024744	0.051496	4840.289	4710.479	4701.057	4118.274	3933.825	4357.591
17905	PDS5B	3784.596	-0.19853	0.145895	-1.36079	0.173579	0.257727	3558.255	5123.775	3450.828	3613.814	3452.525	3508.383
18699	FAM118A	424.278	-0.19883	0.161862	-1.22841	0.219295	0.311779	506.8508	418.2226	438.3108	397.3186	350.8141	434.1511
15504	SUDS3	3135.998	-0.19887	0.11408	-1.74321	0.081298	0.139394	3104.529	3818.745	3135.661	2808.016	2855.713	3093.327
15897	EMC10	1201.807	-0.1991	0.11818	-1.68468	0.09205	0.153938	1233.246	1363.055	1261.361	1154.01	1003.243	1195.926
11935	CCR8	13942.91	-0.19918	0.082373	-2.41803	0.015605	0.034759	14502.44	15692.11	14519.22	13006.6	12693.48	13243.62
14649	ODR4	1219.707	-0.19942	0.10511	-1.89724	0.057797	0.104889	1308.596	1274.922	1325.368	1136.153	1180.789	1092.413
15595	TCF20	6142.615	-0.19949	0.115297	-1.7302	0.083594	0.142504	6050.768	7533.481	6120.349	5624.96	5343.498	6182.634
13624	FBX07	4115.181	-0.19955	0.095744	-2.08423	0.037139	0.072471	4375.721	4649.716	4177.171	3837.026	3604.401	4047.052
16335	PSMD9	974.0271	-0.19965	0.124849	-1.59912	0.109795	0.17869	1099.351	931.1475	1096.473	859.3689	909.122	948.7006
13418	VPS8	2396.339	-0.19969	0.094053	-2.12312	0.033744	0.066857	2610.688	2578.31	2500.459	2241.055	2121.998	2325.522
16760	SP1	5463.658	-0.19978	0.130457	-1.53139	0.125674	0.199346	5231.676	7096.099	5198.505	4924.072	4967.015	5364.58
25437	LOC119621	7.107767	-0.19998	1.140629	-0.17532	0.860826	0.899676	14.09425	4.379295	4.174388	0	14.97377	5.024897
19214	TBX2	354.7724	-0.19999	0.173709	-1.15129	0.249614	0.345372	375.1238	367.8607	396.5669	265.6231	380.7617	342.698
13390	AKT1	8619.31	-0.2	0.093918	-2.12948	0.033214	0.065945	9431.219	9269.872	8954.758	7854.855	7454.801	8750.356
22754	AGAP2	80.30794	-0.20005	0.333195	-0.6004	0.548241	0.64052	68.30288	94.70224	92.53227	100.4457	70.59065	55.27387
25635	LOC103231	3.394505	-0.20033	1.385818	-0.14456	0.885058	0.917857	2.168345	2.189647	6.261582	4.464254	4.278221	1.004979
22178	FRMPD3	87.91102	-0.20035	0.288223	-0.69513	0.486975	0.583742	91.07051	108.935	82.79203	80.35657	74.86887	89.44317
14970	LOC103215	8331.603	-0.20043	0.10894	-1.83979	0.065799	0.116851	8527.019	9807.977	8400.956	7459.768	7168.16	8625.739
19489	PIGBOS1	361.1059	-0.2006	0.181955	-1.10246	0.270263	0.368667	393.0126	343.2272	420.2217	299.105	408.5701	302.4988
15360	ELP5	865.5792	-0.20076	0.1136	-1.76723	0.077189	0.133598	943.7724	937.7164	895.4063	790.173	821.4185	804.9886
15517	KLHL2	1715.514	-0.20078	0.115396	-1.73988	0.08188	0.140283	1769.37	2061.553	1672.538	1564.721	1630.002	1594.902
20000	ZBTB12	242.4382	-0.20079	0.194975	-1.02981	0.3031	0.402895	225.5079	282.4645	271.3352	196.4272	241.7195	237.1752
23523	LOC103221	48.70087	-0.20084	0.41875	-0.47962	0.631499	0.713701	66.13454	35.03436	56.35424	33.4819	44.92132	56.27885
20983	LOC119621	176.8332	-0.20089	0.22794	-0.88131	0.378147	0.479126	182.6831	214.038	167.6713	167.4095	192.52	136.6772
16291	POLG	5560.057	-0.2009	0.124895	-1.60857	0.10771	0.17577	6419.929	5275.408	6152.353	5116.035	4479.298	5917.319
17414	SASS6	1957.814	-0.20098	0.140826	-1.42719	0.153525	0.234378	1881.04	2543.823	1853.428	1837.041	1940.173	1691.38
19164	GFR4A	338.6868	-0.20106	0.173529	-1.15865	0.246598	0.342097	409.2752	326.2574	353.4315	316.962	284.5017	341.693
23152	LOC103241	48.63537	-0.20108	0.374853	-0.53643	0.591662	0.679394	59.6295	47.62483	48.00546	53.57105	42.78221	40.19918
13555	RFC2	3372.867	-0.20127	0.095913	-2.09847	0.035864	0.070355	3782.679	3337.022	3706.161	3147.299	3046.094	3217.944
12618	EPS8	16850.85	-0.20128	0.088363	-2.27789	0.022733	0.047896	17711.59	19248.64	17117.77	15357.03	15249.72	16420.36
17554	TXN2	1426.077	-0.20138	0.143181	-1.40651	0.159574	0.24167	1247.341	1802.627	1526.435	1276.777	1379.726	1323.558
17624	NR1H2	2032.294	-0.20148	0.143717	-1.40192	0.160939	0.24309	2322.298	1705.188	2496.98	1881.683	1811.827	1975.79
16693	MARCHF9	609.1964	-0.20159	0.130601	-1.54358	0.122691	0.195396	680.8605	622.9546	653.9875	562.496	536.9168	597.9628
16193	RNF44	1327.044	-0.20165	0.123866	-1.62796	0.103533	0.169976	1288.539	1578.736	1396.333	1167.402	1193.624	1337.628
22436	LOC103215	73.37938	-0.20167	0.309939	-0.65067	0.515258	0.610542	89.98634	66.78424	78.61764	66.96381	70.59065	67.33362
17467	PRCC	1260.198	-0.2018	0.142489	-1.41625	0.156703	0.238476	1199.095	1615.96	1232.14	1095.974	1165.815	1252.204
22157	LOC103231	98.0246	-0.20191	0.288938	-0.6988	0.484674	0.58158	90.52842	93.60742	131.4932	93.74933	81.28621	97.48301
14065	STAM2	2003.773	-0.20192	0.10093	-2.00054	0.045442	0.085892	2111.968	2294.203	2026.665	1819.183	1863.165	1907.451
19407	SLC25A20	580.5113	-0.20192	0.180794	-1.11687	0.264051	0.361654	679.7763	480.0802	707.5588	504.4607	494.1346	617.0574
21864	RELT	142.5112	-0.202	0.269234	-0.75026	0.453098	0.550899	175.636	107.8401	174.6286	140.624	117.6511	138.6872
12891	TIA1	3654.067	-0.20206	0.091007	-2.22023	0.026403	0.05445	4030.412	3666.564	4033.155	3352.655	3407.603	3434.015
13500	C2CD5	1912.793	-0.20213	0.095944	-2.10671	0.035143	0.069206	2040.955	2085.639	2014.838	1696.417	1828.94	1809.968
22625	TRIAT-CG	85.20007	-0.20222	0.326229	-0.61987	0.535341	0.629036	96.49137	72.25836	106.4469	87.05295	53.47777	95.47305
14969	MIER1	4099.375	-0.20224	0.109915	-1.83993	0.065779	0.116823	3974.577	4959.004	4222.394	3776.759	3987.302	3676.215
12120	LOC103231	4080.199	-0.20234	0.084963	-2.38145	0.017245	0.037826	4479.802	4242.442	4374.063	3770.062	3863.234	3751.588
17211	GUK1	3359.307	-0.20236	0.137961	-1.46682	0.142425	0.219999	3949.099	2838.33	3999.76	3075.871	2956.251	3336.532
16168	LOC103231	8212.737	-0.2026	0.124067	-1.633	0.102468	0.168488	9903.376	7343.529	9123.821	7444.143	7123.239	8338.315
21268	LOC103221	313.7932	-0.20282	0.241511	-0.8398	0.401019	0.501254	275.922	472.4164	258.8121	261.1589	323.0057	291.444
17850	NDEL1	1670.704	-0.20283	0.148163	-1.36899	0.171002	0.254683	1578.013	2209.354	1573.744	1676.327	1514.49	1472.295
21930	LOC119621	102.8788	-0.20287	0.274198	-0.73986	0.459383	0.556894	122.5115	108.935	96.70666	104.91	104.8164	79.39338
15699	ZC3H15	4354.142	-0.20287	0.118185	-1.71657	0.086057	0.145731	4214.722	5457.148	4305.881	3997.739	4177.683	3971.679
19910	ROMO1	1231.913	-0.20302	0.194002	-1.04646	0.295347	0.395012	1520.552	862.1736	1573.049	1212.045	1075.973	1147.687
17572	ZNF267	814.1827	-0.20311	0.144597	-1.40465	0.160125	0.242263	794.6986	1019.828	801.4825	698.6557	776.4972	793.9338
23696	LOC103231	40.49466	-0.20315	0.447507	-0.45397	0.64985	0.72908	44.45108	28.46541	57.04997	46.87467	29.94755	36.17926
16167	MNAT1	1741.131	-0.20322	0.124444	-1.63305	0.102459	0.168483	1672.336	2154.613	1762.288	1584.81	1689.897	1582.843
19549	DNAJA4	335.4429	-0.20328	0.186331	-1.09095	0.275294	0.374377	349.1036	403.9899	327.6895	252.2303	320.8666	358.7777
25818	LOC119621	2.273424	-0.20335	1.721312	-0.11814	0.90596	0.932874	0.542086	6.02153	0.695731	2.232127	2.139111	2.009959
23201	IGSF5	52.82477	-0.20337	0.383912	-0.52972	0.596305	0.683306	63.96619	39.96106	65.39875	44.64254	57.75599	45.22408
18906	TAF5	451.1971	-0.20344	0.169212	-1.20226	0.229264	0.322384	433.127	567.6661	450.1382	430.8005	372.2053	453.2457
25100	LOC103221	7.989677	-0.20365	0.885014	-0.23011	0.818009	0.866377	9.757555	9.853413	6.261582	4.464254	8.556443	9.044815
23803	LOC119621	32.07533	-0.20366	0.467181	-0.43594	0.662882	0.740357	37.40396	28.46541	36.87376	40.17829	21.39111	28.13943
14494	FAM171A1	4244.106	-0.20373	0.10578	-1.92601	0.054103	0.099235	4796.38	4275.286	4566.781	3783.455	3660.018	4382.715
14022	PRXL2A	6097.963	-0.20376	0.10144	-2.00866	0.044574	0.08451	6294.707	7289.883	5999.292	5698.62	5563.827	5741.448
23110	LOC103241	55.62154	-0.20385	0.375832	-0.54239								



23788	LOC103231	35.80235	-0.20394	0.465329	-0.43827	0.66119	0.738932	28.18849	37.77142	48.00546	44.64254	32.08666	24.11951
13441	ERC6L2	3767.489	-0.20402	0.096286	-2.11893	0.034096	0.067439	3879.17	4372.178	3849.482	3390.601	3583.01	3530.493
15487	OAZ1	15219.93	-0.20407	0.116825	-1.74678	0.080675	0.138487	18268.85	13622.34	16995.33	14136.06	13561.96	14735.01
25063	LOC103231	9.416519	-0.20433	0.866943	-0.2357	0.813669	0.863081	10.84173	8.211177	10.43597	11.16063	12.83466	3.014938
18426	PGLS	1650.22	-0.20436	0.162072	-1.2609	0.207344	0.299156	2000.841	1418.891	1887.519	1470.972	1292.023	1831.073
13601	UROS	3410.32	-0.20436	0.097836	-2.08884	0.036722	0.071778	3845.019	3360.561	3752.775	3095.96	3110.267	3297.338
15149	MAP2K1	2615.414	-0.20447	0.113226	-1.80589	0.070936	0.124478	3002.074	2670.275	2735.616	2439.715	2160.502	2684.3
14578	PIK3CD	8654.914	-0.20451	0.10706	-1.91021	0.056107	0.102321	9814.474	8539.077	9456.381	7991.015	7234.472	8894.068
18187	IRAK1BP1	380.6922	-0.20453	0.156824	-1.30419	0.192168	0.280904	383.2551	437.382	399.3498	372.7652	365.7879	325.6133
20166	GLYCTK	312.1776	-0.20457	0.204328	-1.0012	0.316729	0.417546	388.6759	256.1887	360.3888	274.5516	271.6671	321.5934
15355	SS18	6096.532	-0.20471	0.115769	-1.7683	0.07701	0.13333	6061.61	7613.951	5911.629	5513.354	5572.383	5906.264
18595	TAZ	2099.634	-0.20477	0.16567	-1.23604	0.216445	0.309452	2656.765	1647.71	2444.104	1948.647	1751.932	2148.66
23161	LOC119618	55.54492	-0.2048	0.382452	-0.53549	0.592308	0.67987	59.6295	53.09895	66.79021	62.49956	29.94755	61.30375
16737	PKN1	2075.132	-0.20485	0.133328	-1.53642	0.124435	0.197651	2460.53	1873.791	2337.657	1904.004	1741.236	2133.571
20920	LOC103241	176.0538	-0.20495	0.230697	-0.88838	0.374334	0.475701	217.3766	149.9908	199.6749	156.2489	156.1551	176.8764
16227	RIPPLY1	705.4536	-0.20502	0.126414	-1.62178	0.10485	0.171777	748.0792	746.6697	768.0874	649.549	712.3239	608.0126
25279	TRNAV-UA	6.498304	-0.20527	1.013777	-0.20248	0.839541	0.882915	8.131296	7.663765	4.87012	11.16063	2.139111	5.024897
14784	ABTB2	3144.051	-0.20527	0.109399	-1.87635	0.060608	0.108987	3424.902	3262.574	3422.303	2946.408	2569.072	3239.049
19254	ZNF664	3629.682	-0.20532	0.179408	-1.14445	0.252435	0.348551	3035.142	5298.946	3331.162	3283.459	3071.763	3757.618
19531	TMEM1321	784.6935	-0.20544	0.187531	-1.09549	0.273304	0.372013	981.7184	608.1745	935.063	716.5128	639.5941	827.0981
14751	RETREG1	1189.702	-0.20546	0.109219	-1.8812	0.059945	0.108036	1292.334	1330.758	1200.137	1064.725	1133.729	1116.532
16722	ANXA5	28869.77	-0.20547	0.133578	-1.53822	0.123996	0.197131	26490.68	38274.49	27998.32	27307.84	27697.2	25450.1
17328	ZC3H18	2612.11	-0.20576	0.142491	-1.444	0.14874	0.2282	2408.49	3480.992	2503.937	2486.589	2378.691	2413.961
16395	SPRYD7	609.491	-0.20584	0.129526	-1.58921	0.112014	0.18165	611.4734	678.2432	669.2936	553.5675	577.5599	566.8084
13107	PSMC4	4369.923	-0.20589	0.094181	-2.18616	0.028804	0.058423	4903.713	4418.708	4726.799	4017.829	3863.234	4289.252
18779	PPIP5K1	325.2221	-0.20606	0.168719	-1.22133	0.22196	0.314225	351.8141	382.0934	309.6005	312.4978	305.8928	289.4341
25207	LOC103241	9.573864	-0.20613	0.96413	-0.2138	0.830705	0.876083	14.09425	1.642235	15.30609	8.928508	6.417332	11.05477
22530	LOC119621	67.09631	-0.20614	0.324054	-0.63614	0.524688	0.619122	84.02339	68.97389	63.31155	58.0353	59.8951	68.3386
14489	MRM2	1221.753	-0.20629	0.107039	-1.9272	0.053954	0.098997	1353.048	1255.763	1320.498	1082.582	1150.842	1167.786
19288	CIAO3	704.4028	-0.20653	0.18157	-1.1375	0.25533	0.351927	812.5875	585.1832	871.7514	564.7281	620.3421	771.8242
20119	POU4F1	631.6959	-0.20654	0.204579	-1.0096	0.312688	0.413182	511.7295	922.9363	594.1546	607.1385	607.5074	546.7088
20805	SLFNL1	173.53	-0.20682	0.228923	-0.90344	0.366294	0.468057	211.4137	154.3701	192.0219	140.624	183.9635	158.7868
17951	ZNF569	491.8921	-0.20695	0.153208	-1.35079	0.176763	0.261781	486.7936	593.9418	500.2309	421.872	496.2737	452.2408
14927	NTS	10665.37	-0.20709	0.111996	-1.84907	0.064447	0.114773	11958.97	9820.568	12505.08	10138.32	10342.6	9226.717
12161	CLASP2	4543.791	-0.20711	0.087264	-2.37336	0.017627	0.038531	4940.575	4959.551	4711.493	4026.757	4271.804	4352.566
23206	LOC119621	50.83158	-0.20718	0.391883	-0.52867	0.597037	0.683971	58.00324	52.55153	52.87558	29.01765	66.31243	46.22906
24367	THB54	20.07528	-0.20751	0.590326	-0.35153	0.725194	0.791205	15.7205	25.18094	22.95914	17.85702	25.66933	13.06473
23835	LOC103231	31.18317	-0.20795	0.480965	-0.43236	0.665479	0.74225	24.39389	43.24553	32.00364	31.24978	32.08666	24.11951
25813	BATF	2.316425	-0.20806	1.755396	-0.11853	0.905651	0.932749	1.626259	0.547412	5.565851	0	2.139111	4.019918
19111	LOC103241	263.5443	-0.20807	0.178251	-1.16726	0.243104	0.338178	286.2216	258.9258	304.0346	227.677	248.1368	256.2698
14016	RNF31	2374.253	-0.20811	0.103528	-2.01017	0.044413	0.084238	2523.954	2705.309	2411.405	2180.788	2066.381	2357.682
17556	INPP5E	635.1042	-0.20826	0.148107	-1.40614	0.159683	0.2418	729.6483	622.4072	695.0356	600.4422	504.8301	658.2616
23010	LOC119621	48.05731	-0.20845	0.371536	-0.56106	0.574759	0.664057	50.41403	49.81448	54.96278	35.71403	49.19955	48.23901
18946	SLC16A14	461.4895	-0.2085	0.17444	-1.19524	0.231993	0.325532	449.3896	596.6789	435.5278	470.9788	421.4048	394.9569
23457	LOC119621	38.39545	-0.20861	0.424343	-0.4916	0.623001	0.706078	34.15144	45.98259	43.13534	29.01765	44.92132	33.16432
23892	LOC103231	27.55104	-0.20863	0.492181	-0.4239	0.671641	0.747351	33.06727	23.53871	32.69937	22.32127	23.53022	30.14938
24702	LOC119621	15.46008	-0.20867	0.698535	-0.29872	0.765152	0.823479	13.01007	20.80165	15.30609	8.928508	25.66933	9.044815
15747	RAD52	1145.973	-0.2087	0.122142	-1.70869	0.087508	0.147736	1298.297	1218.539	1175.786	1015.618	979.7127	1187.886
13767	LOC103231	3195.851	-0.20874	0.101653	-2.05343	0.040031	0.077302	3189.636	3654.521	3441.783	2868.283	2847.156	3173.725
23467	LOC103231	40.36391	-0.2088	0.426351	-0.48975	0.624312	0.707263	47.7036	42.69812	40.35242	22.32127	44.92132	44.2191
23866	AFAP1L2	31.15359	-0.20915	0.489326	-0.42742	0.669075	0.745301	38.48813	22.9913	38.26523	24.5534	38.50399	24.11951
17657	TRMT10B	430.7751	-0.20932	0.150026	-1.39522	0.16295	0.245343	494.9249	462.563	425.7876	406.2471	419.2657	375.8623
14791	ELOVL1	3541.196	-0.20937	0.111685	-1.87465	0.06084	0.109353	4065.106	3456.906	3878.007	3252.209	2984.059	3610.891
14615	LOC103241	11329.61	-0.20941	0.109953	-1.90457	0.056835	0.103385	10975.62	13357.4	12125.9	10176.27	9715.841	11626.61
23983	LOC103221	25.28835	-0.20945	0.511531	-0.40945	0.682206	0.756221	30.89892	27.37059	23.65487	24.5534	17.11289	28.13943
12684	LMO4	4233.968	-0.20947	0.092575	-2.26269	0.023655	0.049579	4614.239	4561.583	4453.377	3888.365	3681.409	4204.834
21396	DYSF	126.6836	-0.20963	0.25649	-0.81732	0.413748	0.514091	136.6058	129.7366	138.4505	120.5349	143.3204	91.45313
15682	RAPH1	734.6923	-0.20967	0.121904	-1.71995	0.085441	0.144844	782.2306	821.6651	761.1301	698.6557	646.0114	698.4607
24564	LOC103241	15.68511	-0.20971	0.651828	-0.32172	0.747666	0.80918	10.84173	20.25424	19.48048	15.62489	12.83466	15.07469
16381	TSPAN12	827.5329	-0.20973	0.131775	-1.59154	0.111488	0.180936	911.2472	780.0618	970.5453	779.0123	778.6363	745.6948
17645	LYPLAL1	422.8866	-0.20974	0.150076	-1.39755	0.162248	0.244453	458.063	437.9295	464.0528	435.2648	355.0924	386.9171
13565	HERC2	11577.95	-0.20982	0.100092	-2.09626	0.03606	0.07067	12438.17	12818.2	12009.02	10080.29	10094.46	12027.59
22747	LOC103221	219.9094	-0.20982	0.34903	-0.60116	0.547733	0.640149	279.7166	111.1246	314.4706	261.1589	220.3284	132.6573
13911	ACAD9	3529.218	-0.20985	0.103428	-2.02894	0.042464	0.081153	4004.392	3646.31	3713.118	3207.566	3016.146	3587.777
13704	E2F6	1500.069	-0.20988	0.101517	-2.06743	0.038693	0.075063	1634.932	1646.067	1545.219	1441.954	1343.361	1388.882
16536	LOC103231	3048.254	-0.20989	0.13375	-1.56924	0.116592	0.187445	2890.405	3964.356	2955.467	2667.392	2881.382	2930.52
13798	SETDB1	2614.766	-0.2099	0.102528	-2.0472	0.040639	0.0783	2856.795	2929.748	2633.343	2341.501	2310.24	2616.967
12870	BROX	3046.53	-0.20991	0.094364	-2.22443	0.02612	0.053954	3182.047	3456.358	3169.056	2752.213	2765.87	2953.635
14120	MAP3K3	1734.2	-0.21	0.105499	-1.99055	0.04653	0.087606	1961.811	1815.765	1808.206	1578.114	1518.769	1722.535
15118	ZC3H11A	11184.4	-0.21002	0.116019	-1.81025	0.070257	0.123546	11145.84	14059.18	10788.71	10180.73	10040.99	10890.96
18493	LOC103231	392.9669	-0.210										



24944	LOC119620	10.32813	-0.21024	0.820061	-0.25637	0.797668	0.850144	16.80468	6.568942	9.740239	13.39276	6.417332	9.044815
22462	LOC119620	70.48272	-0.21035	0.324821	-0.6476	0.517244	0.612186	72.09749	83.2066	72.35606	46.87467	77.00798	71.35354
16434	SMIM7	3231.845	-0.21035	0.132852	-1.58338	0.113335	0.18334	3798.399	2808.223	3795.215	2783.462	3212.944	2992.829
14181	MARCHF6	3964.967	-0.21037	0.106248	-1.97998	0.047706	0.089433	4459.202	4274.191	4035.938	3430.779	3480.333	4109.361
22301	LOC103224	77.90921	-0.21039	0.311822	-0.6747	0.499867	0.595891	101.3702	68.42648	81.40057	71.42806	68.45154	76.37844
15038	PCIF1	1114.482	-0.21044	0.115231	-1.82625	0.067813	0.119884	1222.947	1217.991	1150.74	1026.778	951.9042	1116.532
25292	TRNAF-GA	5.332907	-0.21047	1.052003	-0.20007	0.841426	0.884442	5.96295	5.474118	5.565851	6.696381	4.278221	4.019918
14367	NBAS	3668.406	-0.21049	0.107995	-1.94905	0.051289	0.094906	3924.163	4080.955	3810.521	3281.227	3084.598	3828.972
13495	IAH1	1919.557	-0.21053	0.099862	-2.10816	0.035017	0.068983	2100.043	1942.765	2132.417	1843.737	1781.879	1716.505
20077	RNF223	203.3759	-0.21055	0.207181	-1.01626	0.309504	0.409831	207.6191	195.9734	251.8548	169.6417	203.2155	191.9511
12632	DDOST	14956.1	-0.21069	0.092631	-2.27447	0.022937	0.048274	16772.69	14664.07	16706.6	13801.24	13337.36	14454.62
16857	GNAZ	877.3535	-0.2108	0.139287	-1.51344	0.130168	0.205287	869.5065	1097.561	857.8368	821.4227	778.6363	839.1579
13664	LOC119615	1541.541	-0.21085	0.101581	-2.07569	0.037923	0.073782	1714.619	1677.27	1570.961	1437.49	1394.7	1454.205
14742	ZXDC	1971.103	-0.21088	0.112035	-1.88228	0.059798	0.107836	2253.995	1942.217	2154.68	1772.309	1715.567	1987.849
14581	KLC2	1943.188	-0.21098	0.110488	-1.90956	0.05619	0.102429	2023.066	2225.776	2008.576	1906.236	1617.168	1878.307
12064	ATM	7304.246	-0.21109	0.088159	-2.39439	0.016648	0.036687	7892.778	8102.79	7523.639	6566.918	6562.792	7176.558
14658	PANK1	1726.997	-0.21112	0.111357	-1.8959	0.057974	0.10514	1846.888	2031.445	1681.583	1553.56	1621.446	1627.062
14234	ZDHHHC21	2318.687	-0.21114	0.107207	-1.96949	0.048897	0.091326	2366.207	2728.848	2373.14	2120.521	2047.129	2276.278
22058	LOC119624	93.24005	-0.21127	0.295431	-0.71512	0.474533	0.571917	101.9122	85.94365	111.317	73.66019	111.2338	75.37346
16905	UQCRC1	10208.06	-0.21128	0.140328	-1.50559	0.132174	0.207858	12671.27	8758.042	11439.22	9127.167	8543.608	10709.06
15833	IKBKG	3982.369	-0.21133	0.124808	-1.69327	0.090404	0.151796	4687.421	3598.685	4540.343	3558.01	3454.664	4055.092
20313	KCTD19	175.9572	-0.2114	0.216627	-0.97586	0.329133	0.430758	188.6461	195.426	185.0645	131.6955	168.9897	185.9212
24653	LOC119620	14.1738	-0.21161	0.689361	-0.30697	0.758869	0.81834	11.9259	15.32753	18.08902	20.08914	8.556443	11.05477
23153	LOC103230	45.3621	-0.21167	0.394653	-0.53635	0.591716	0.679403	56.91907	39.96106	49.39693	33.4819	49.19955	43.21412
12568	SDC2	9770.266	-0.21168	0.092444	-2.28985	0.022203	0.0466	10023.72	11452.4	9979.571	9274.488	8917.952	8973.462
24540	LOC119620	16.90216	-0.21171	0.65272	-0.32434	0.745678	0.807818	23.30971	17.51718	14.61036	11.16063	10.69555	24.11951
24640	LOC103230	15.20485	-0.21171	0.685133	-0.30901	0.757314	0.817107	11.9259	16.96977	20.17621	6.696381	21.39111	14.06971
13651	MFSD1	1358.995	-0.21175	0.101877	-2.07848	0.037665	0.073348	1472.849	1480.749	1422.771	1214.277	1292.023	1271.299
15512	LOC103224	1564.636	-0.21181	0.121616	-1.74162	0.081575	0.139805	1579.098	1897.877	1564.7	1410.704	1379.726	1555.708
13709	TUSC2	1461.389	-0.21186	0.102496	-2.06699	0.038735	0.075117	1537.899	1624.171	1545.915	1370.526	1289.884	1399.936
13145	SLC25A38	2201.267	-0.21196	0.097156	-2.18166	0.029135	0.058923	2475.708	2279.423	2336.962	1999.986	1982.956	2132.566
21165	FAAP20	387.6374	-0.21196	0.247615	-0.85601	0.39199	0.492373	474.8677	267.6844	508.5796	372.7652	273.8062	428.1213
16003	HSD17B10	3532.788	-0.21197	0.127337	-1.66466	0.09598	0.159446	4286.277	3179.915	3914.185	3205.334	3050.372	3560.642
20625	SMIM27	158.6164	-0.21206	0.22748	-0.93223	0.351217	0.452695	157.205	154.3701	200.3706	138.3919	147.5986	153.7619
24349	LOC119620	21.21011	-0.21224	0.59911	-0.35425	0.723151	0.789559	30.89892	19.70683	16.69755	20.08914	27.80844	12.05975
17909	ARL4D	448.2029	-0.21232	0.156098	-1.36019	0.173769	0.257952	510.1033	416.5804	515.5369	433.0326	414.9875	398.9768
14546	SCAMP1	3841.202	-0.2126	0.110905	-1.91697	0.055242	0.100962	3846.645	4671.612	3854.352	3343.726	3687.827	3643.051
22967	LOC119620	48.95964	-0.21271	0.373935	-0.56885	0.569459	0.659166	55.29281	47.07742	56.35424	35.71403	47.06043	52.25893
25340	LOC119620	4.935275	-0.21278	1.107084	-0.1922	0.847589	0.889233	4.878777	6.568942	4.174388	6.696381	4.278221	3.014938
20597	CCDC126	135.307	-0.2129	0.227049	-0.9377	0.348397	0.449684	152.3263	141.2322	142.6249	127.2312	119.7902	128.6374
17193	PITPNB	2256.71	-0.21293	0.144983	-1.46868	0.141921	0.219435	2007.888	3004.743	2256.257	2082.574	2081.355	2107.442
14033	CUEDC2	2435.087	-0.21309	0.106174	-2.007	0.044749	0.08477	2676.822	2726.111	2446.191	2256.68	2070.659	2434.06
16179	CUNH2orf1	676.1911	-0.2131	0.130715	-1.63028	0.103043	0.169318	717.1803	758.7128	706.8631	580.353	609.6465	684.391
19960	LOC119620	196.4157	-0.21321	0.205796	-1.03602	0.300191	0.399815	229.3025	189.4045	212.1981	205.3557	175.4071	166.8266
19821	LOC119620	511.7911	-0.21325	0.202915	-1.05094	0.293285	0.393378	656.4666	402.8951	591.3717	513.3892	385.0399	521.5843
15992	HBEGF	1175.007	-0.2133	0.127944	-1.66712	0.09549	0.158742	1172.533	1427.103	1189.005	1006.689	1090.946	1163.766
11686	UBE2N	6135.061	-0.21337	0.086227	-2.47456	0.01334	0.030348	6364.636	6893.01	6501.61	5803.53	5773.46	5474.123
17422	CUNH12orf	573.5269	-0.21337	0.149672	-1.4256	0.153983	0.23497	677.608	545.7696	628.2454	495.5322	509.1083	584.8981
25899	LOC119624	1.546639	-0.2135	2.043061	-0.1045	0.916773	0.94102	3.794605	0.547412	0.695731	2.232127	0	2.009959
14909	PPP1R9A	7287.404	-0.21351	0.115257	-1.85249	0.063956	0.114043	7153.914	9147.799	7175.773	6497.722	6909.327	6839.89
13670	DCP2	1811.825	-0.21351	0.102918	-2.07459	0.038025	0.073395	2078.901	1924.153	1836.035	1633.917	1666.367	1731.58
13076	ENPP4	1688.903	-0.21358	0.097462	-2.19138	0.028424	0.057789	1828.457	1838.209	1777.594	1531.239	1535.881	1622.037
15565	MESD	3450.464	-0.21369	0.123246	-1.73383	0.082947	0.141665	3388.582	4394.075	3333.249	3243.281	3148.771	3194.83
22333	LOC119620	68.05683	-0.21371	0.319347	-0.66923	0.503352	0.599159	81.31296	67.87906	69.57314	73.66019	55.61688	60.29877
22413	TRNAC-Ca	109.2209	-0.21381	0.326655	-0.65453	0.51277	0.608191	79.6867	170.7925	101.5768	98.21359	100.5382	104.5179
17170	CDC5L	6036.712	-0.21389	0.145335	-1.47172	0.141097	0.21844	5656.129	8259.349	5533.847	5491.032	5726.399	5553.517
14177	MOCS2	1958.479	-0.21395	0.108041	-1.98027	0.047673	0.089397	1946.632	2218.113	2140.07	1890.612	1878.139	1677.311
25868	LOC119615	1.548414	-0.21397	1.971784	-0.10851	0.913588	0.938911	2.710432	1.642235	0.695731	2.232127	0	2.009959
14043	DDB2	1846	-0.21401	0.106677	-2.00611	0.044844	0.084889	1954.763	2158.992	1835.339	1680.792	1698.454	1747.659
14676	ZBTB11	1823.86	-0.21406	0.113075	-1.89305	0.058351	0.105701	1921.696	2111.915	1849.254	1629.453	1578.664	1852.177
17835	LLGL1	1079.075	-0.2144	0.156339	-1.37136	0.170261	0.253793	1319.98	947.5699	1215.443	899.5472	941.2087	1150.701
13204	ARHGDI4	5570.178	-0.21448	0.098921	-2.16814	0.030148	0.0607	5644.745	6235.568	6076.518	5216.481	4710.322	5537.437
26036	TRNAC-GC	0.839722	-0.21459	2.666152	-0.08049	0.93585	0.955595	0.542086	1.094824	1.391463	0	0	2.009959
16579	TRMT6	1232.073	-0.21461	0.137518	-1.56059	0.118622	0.190214	1217.526	1561.218	1189.701	1107.135	1221.432	1095.428
13694	BCAR3	2661.858	-0.21473	0.103775	-2.06919	0.038528	0.074797	2974.428	2845.447	2765.532	2453.108	2250.344	2682.29
22048	LOC119620	115.9336	-0.21473	0.299657	-0.7166	0.473623	0.571084	92.69677	164.2235	116.8829	87.05295	126.2075	108.5378
11889	ERGIC3	8045.666	-0.21473	0.088436	-2.42811	0.015178	0.033939	9143.913	8228.147	8562.366	7390.572	7189.551	7759.446
19728	SIRT4	192.6266	-0.21499	0.20198	-1.06443	0.287136	0.386937	208.7033	186.12	225.417	178.5702	186.1026	170.8465
23213	LOC103230	39.80809	-0.215	0.407582	-0.52749	0.597852	0.68466	44.99317	35.58177	48.00546	35.71403	36.36488	38.18922
19798	CUNH1orf1	954.8742	-0.21539	0.204399	-1.05378	0.291983	0.392078	1248.425	671.6743	1161.176	828.1191	812.8621	1006.989
23786	RUFY4	31.20893	-0.2155	0.491406									



12907	USP3	1661.81	-0.21593	0.097327	-2.21863	0.026512	0.054578	1775.333	1844.23	1737.241	1558.025	1529.464	1526.564
25123	LOC119623	7.183103	-0.21595	0.949611	-0.22741	0.820108	0.867798	8.673382	7.663765	6.261582	8.928508	8.556443	3.014938
19783	ARHGFE26	261.2437	-0.21599	0.204554	-1.05593	0.291	0.391042	269.959	334.4686	235.1572	270.0874	241.7195	216.0706
13779	SZT2	4482.166	-0.216	0.105312	-2.05109	0.040258	0.07767	4928.649	4563.225	4968.218	4060.239	3764.835	4607.831
16514	GORASP2	3384.035	-0.21606	0.137377	-1.57276	0.115774	0.186379	3086.64	4471.26	3353.425	3147.299	3056.789	3188.8
23552	EPOR	34.53004	-0.21612	0.453629	-0.47642	0.633772	0.715403	41.74065	33.39212	37.56949	22.32127	29.94755	42.20914
15073	SRGAP2	4551.61	-0.21617	0.118717	-1.82093	0.068618	0.121025	4663.027	5532.144	4487.467	4017.829	3903.877	4705.314
25548	LOC10322	3.094295	-0.21619	1.371231	-0.15766	0.874723	0.910228	2.168345	3.831883	4.174388	2.232127	2.139111	4.019918
23992	LOC10324	24.02057	-0.21621	0.530429	-0.40762	0.683555	0.757432	31.44101	19.15941	26.43779	22.32127	25.66933	19.09461
11733	ARHGAP25	24717.02	-0.21653	0.08792	-2.46276	0.013787	0.031239	25400	28675.62	25632.83	22386	22599.7	23607.97
18440	CNTLN	1592.712	-0.21664	0.172171	-1.25829	0.208287	0.300288	1414.303	2278.328	1442.251	1484.364	1505.934	1431.091
16068	PLA2G6	563.9129	-0.21676	0.13109	-1.65348	0.098232	0.162528	627.736	581.8988	610.8521	508.925	513.3866	540.679
25010	LOC10323	10.56237	-0.21681	0.888345	-0.24406	0.807181	0.858013	12.46799	7.116354	13.91463	4.464254	21.39111	4.019918
24725	LOC11961	11.43583	-0.21689	0.735264	-0.29498	0.768011	0.825786	12.46799	11.49565	12.52316	13.39276	10.69555	8.039836
15861	AMACR	687.1709	-0.21722	0.128602	-1.68912	0.091197	0.152859	745.9108	717.6569	752.7813	691.9594	577.5599	637.157
17527	RBM42	1573.713	-0.21729	0.153879	-1.41206	0.157933	0.239678	1891.881	1394.258	1796.378	1408.472	1242.823	1708.465
13121	TPD52L2	5332.47	-0.21731	0.099518	-2.18365	0.028988	0.058733	6025.832	5306.61	5874.06	4890.59	4605.505	5292.222
16342	GAREM2	676.6534	-0.21757	0.13624	-1.59699	0.110269	0.179384	683.5709	742.2904	761.8259	555.7996	631.0376	685.396
14435	RABGAP1	3130.494	-0.2176	0.112308	-1.93753	0.052681	0.097023	3263.36	3777.689	3061.218	2841.498	2750.896	3088.302
13431	ZNF559	1621.8	-0.21761	0.102601	-2.12091	0.03393	0.067163	1793.222	1655.921	1784.551	1424.097	1544.438	1528.574
24194	LOC10324	24.19065	-0.21765	0.581105	-0.37454	0.708	0.77795	24.39389	37.77142	16.00182	29.01765	12.83466	25.12449
14222	NEFTIN2	1048.309	-0.21769	0.110328	-1.97312	0.048482	0.090627	1119.408	1183.504	1079.775	959.8146	960.4607	986.8898
13120	HIF1AN	4331.663	-0.21817	0.0999	-2.18384	0.028974	0.05871	4769.818	4798.612	4415.111	3830.33	3788.365	4387.74
16986	PSMA2	7082.726	-0.21822	0.146017	-1.49447	0.135053	0.211374	8948.762	5771.91	8134.491	6428.526	6211.977	7000.687
19027	LOC10323	280.2588	-0.21822	0.184962	-1.17983	0.238066	0.332632	281.8849	305.4558	313.0791	267.8552	295.1973	218.0805
25066	LOC10322	8.100038	-0.21823	0.927624	-0.23526	0.814006	0.863335	11.38381	9.306001	5.565851	11.16063	2.139111	9.044815
25380	LOC10322	4.912342	-0.21824	1.181923	-0.18464	0.853508	0.894031	6.505036	3.284471	5.565851	6.696381	6.417332	1.004979
21737	LOC10324	94.14616	-0.2183	0.28302	-0.77132	0.440517	0.53878	85.10756	118.241	100.881	80.35657	89.84265	90.44815
17879	POLR3K	422.1411	-0.21834	0.160042	-1.36427	0.172483	0.256472	448.3054	403.9899	507.8839	417.4077	391.4573	363.8026
14394	LOC10322	1274.384	-0.21836	0.112295	-1.9445	0.051836	0.095738	1372.021	1371.267	1375.461	1127.224	1105.92	1294.414
13044	SLC30A5	3710.663	-0.2185	0.099465	-2.19675	0.028038	0.057144	4204.964	3650.142	4122.904	3370.512	3315.622	3599.836
21106	LOC10322	109.7073	-0.21861	0.25293	-0.86429	0.387427	0.488001	110.0435	126.9995	116.1871	100.4457	109.0946	95.47305
24568	PLD6	19.44286	-0.2188	0.681549	-0.32103	0.748187	0.809617	16.80468	20.25424	24.3506	24.5534	25.66933	5.024897
19970	IMP2L	243.871	-0.21883	0.211599	-1.03416	0.301063	0.400789	292.1846	221.1544	269.9438	247.7661	260.2759	181.9013
23102	PSORS1C2	44.3669	-0.21889	0.402803	-0.54342	0.586842	0.675318	48.24569	54.19377	39.65669	53.57105	36.36488	34.1693
12797	DDB1	18868.49	-0.21899	0.097757	-2.24014	0.025082	0.052106	20796.06	20436.53	19670.41	17002.11	15944.93	19360.93
25702	LOC10324	2.305788	-0.21899	1.629031	-0.13443	0.893063	0.923744	0.542086	2.737059	4.174388	2.232127	2.139111	2.009959
19346	ZNF579	208.973	-0.21902	0.194248	-1.12754	0.259515	0.356604	219.545	215.6803	239.3316	212.0521	173.268	193.961
22539	LOC11962	81.75952	-0.21909	0.345118	-0.63482	0.525549	0.619891	114.3802	60.2153	89.74935	87.05295	57.75599	81.40334
16586	LACTB2	950.8548	-0.2191	0.140475	-1.55973	0.118824	0.190457	912.3314	1176.388	978.1983	825.887	971.1562	841.1678
18239	YAE1	317.296	-0.21915	0.169314	-1.29436	0.195542	0.285047	319.2889	343.2272	358.3017	312.4978	310.171	260.2897
16513	MORN4	551.4046	-0.21924	0.13938	-1.57296	0.115729	0.186317	597.3792	593.3944	589.9802	448.6575	560.447	518.5694
14852	POLR3A	2015.507	-0.21927	0.117758	-1.86202	0.062601	0.112055	2111.968	2186.91	2215.904	1696.417	1741.236	2140.606
16299	CCNF	1229.942	-0.21929	0.136483	-1.60673	0.108113	0.176341	1413.761	1210.328	1353.198	1089.278	992.5473	1320.543
15370	PPP6R2	2709.633	-0.21947	0.124317	-1.76539	0.077498	0.134046	3097.482	2583.236	3073.045	2426.322	2239.649	2838.062
15488	NEIL3	949.4875	-0.21947	0.125663	-1.74651	0.080722	0.138558	965.4558	1132.048	969.1538	819.1906	900.5656	910.5114
14689	AP5M1	2590.94	-0.21967	0.116128	-1.8916	0.058544	0.10595	2687.122	3159.661	2519.939	2270.073	2372.274	2536.568
18192	ZNF213	368.0016	-0.21967	0.168618	-1.30278	0.192651	0.281532	365.9083	426.9812	398.6541	341.5154	293.0582	381.8922
18083	GPR137	407.8219	-0.21968	0.165771	-1.32519	0.185107	0.27213	469.4468	376.0719	473.7931	352.6761	367.927	407.0167
15121	PPP1R21	1580.27	-0.21977	0.121432	-1.80986	0.070318	0.12363	1674.505	1885.834	1545.219	1341.508	1456.734	1577.818
17920	LSM8	652.8084	-0.21981	0.161959	-1.35717	0.174729	0.259216	647.7932	818.3807	635.8985	631.6919	669.5416	513.5445
23456	TRNAN-GL	35.6173	-0.21985	0.44713	-0.4917	0.622931	0.706029	36.31979	37.224	40.35242	46.87467	27.80844	25.12449
18552	PSMA5	3573.007	-0.21991	0.176928	-1.24294	0.21389	0.306504	4422.883	2556.413	4555.649	3265.602	3339.152	3298.343
12746	ENY2	2897.717	-0.21996	0.097775	-2.2496	0.024474	0.051047	3219.451	2872.817	3260.197	2714.266	2716.671	2602.897
24996	EPHA3	9.440279	-0.22001	0.894287	-0.24601	0.805672	0.856888	7.589209	10.40082	11.82743	6.696381	17.11289	3.014938
17413	MAFK	1070.935	-0.22011	0.154191	-1.42753	0.153428	0.234243	1276.071	926.7682	1259.274	957.5825	898.4265	1107.487
12563	RNF130	5190.595	-0.22017	0.096129	-2.29037	0.022	0.046555	5873.506	5500.394	5391.222	4656.217	4528.497	5193.734
12063	ATL2	3447.635	-0.22035	0.092019	-2.39457	0.01664	0.036672	3899.769	3497.961	3734.686	3113.817	3223.64	3215.934
24551	LOC11962	20.74134	-0.2204	0.682117	-0.32311	0.746614	0.808469	21.68345	14.78012	29.22072	33.4819	19.252	6.029877
15388	ZNF620	742.8503	-0.22047	0.125114	-1.76217	0.078041	0.134827	861.3752	750.5016	785.4807	700.8879	684.5154	674.3412
13045	PDIA6	22485.89	-0.22063	0.100446	-2.19655	0.028053	0.057168	23212.68	27153.27	22242.53	20497.62	20225.29	21583.94
22935	LOC11962	45.09219	-0.22075	0.384574	-0.574	0.565965	0.656092	42.82482	50.9093	51.48412	37.94616	49.19955	38.18922
14430	LOC10324	3667.813	-0.22076	0.113883	-1.9385	0.052562	0.096837	3731.723	4487.135	3628.935	3319.173	3212.944	3626.971
18224	TENT4B	716.4509	-0.22098	0.170395	-1.29687	0.194677	0.283994	687.9076	976.5827	649.1174	651.7811	660.9852	672.3313
16001	MTMR1	1127.185	-0.22111	0.132805	-1.6649	0.095932	0.159378	1129.166	1366.887	1148.652	1037.939	934.7914	1145.677
17017	RFP21	761.4455	-0.22121	0.148439	-1.49027	0.136153	0.212694	909.6209	689.7389	859.924	761.1553	641.7332	706.5006
15023	KFBP8	8255.556	-0.22128	0.120983	-1.82899	0.067402	0.119275	9517.952	7559.21	9590.657	7725.391	6843.015	8297.11
18343	LOC11961	377.5657	-0.22131	0.173534	-1.27534	0.202189	0.293038	393.5547	451.6147	371.5206	321.4263	410.7092	316.5685
20188	MNS1	639.6417	-0.22169	0.221952	-0.99883	0.317877	0.418604	516.0662	990.268	558.6723	636.1562	566.8643	569.8234
14246	BRD3	2394.418	-0.22176	0.112649	-1.96859	0.049	0.091446	2413.369	2745.27	2583.251	2142.842	2023.599	2458.18
22912	NMNAT2	65.59651	-0.22179	0.384129	-0.57738								



21778	LOC119621	100.4082	-0.2225	0.291582	-0.76307	0.445422	0.543739	105.7068	127.547	93.228	71.42806	91.98176	112.5577
13543	GOT1	2296.81	-0.22257	0.105982	-2.10004	0.035725	0.070128	2552.143	2473.754	2403.056	1995.522	2010.764	2345.622
14895	SETD7	6530.44	-0.22272	0.120051	-1.8552	0.063568	0.113435	6323.98	8328.871	6449.43	5932.994	5895.389	6251.977
10988	MRPL30	5263.954	-0.22272	0.084608	-2.6324	0.008479	0.020513	5522.776	5866.612	5615.248	4962.018	4900.703	4716.369
16704	RGMB	475.1038	-0.22289	0.144551	-1.54193	0.12309	0.195903	501.972	541.3903	495.3607	417.4077	417.1266	477.3652
13073	TGFA	3100.644	-0.22302	0.101734	-2.19223	0.028363	0.057678	3465.558	3311.294	3250.457	2781.23	2656.775	3138.551
15964	SSB	8796.572	-0.22323	0.133479	-1.67239	0.094448	0.157284	8331.867	11725.56	8368.257	8147.263	8259.106	7947.378
19801	LOC119615	185.7204	-0.22324	0.211964	-1.05319	0.292252	0.39238	208.1612	183.383	211.5023	147.3204	168.9897	194.966
14240	LOC103215	49071.64	-0.22334	0.113437	-1.96885	0.04897	0.091423	49584.64	61133.86	47873.28	44434.95	42615.36	48787.73
22263	LOC103241	82.65302	-0.22347	0.328109	-0.68107	0.495827	0.592083	71.01331	108.3875	85.57496	84.82083	89.84265	56.27885
14036	SYNE1	14645.73	-0.22349	0.111357	-2.00694	0.044757	0.084771	14690	17931.57	14718.2	12803.48	12945.9	14785.26
20685	LOC119621	141.5308	-0.22354	0.241946	-0.92392	0.355527	0.456954	168.0468	160.9391	127.3188	120.5349	149.7377	122.6075
20495	PSTK	219.6108	-0.22354	0.235919	-0.94753	0.343367	0.445397	273.7536	171.8873	262.9865	191.9629	233.1631	183.9112
13591	PSMC3	3610.532	-0.22357	0.106895	-2.09152	0.036482	0.071361	4213.095	3695.03	3767.385	3312.476	3048.233	3626.971
13334	RFFL	2492.889	-0.22363	0.104432	-2.14138	0.032244	0.064287	2590.089	2908.946	2563.074	2241.055	2199.006	2455.165
12963	LOC119615	2807.527	-0.22375	0.101212	-2.21075	0.027053	0.055482	3085.556	3133.933	2861.543	2455.34	2504.899	2803.893
21485	PRKAR1B	130.6887	-0.22394	0.277527	-0.80691	0.419719	0.51935	129.0166	145.0641	148.8865	78.12444	160.4333	122.6075
14429	CRNKL1	1861.603	-0.22399	0.115543	-1.93857	0.052554	0.096828	1940.669	2243.294	1836.731	1647.31	1685.619	1815.998
24276	LOC119621	17.18945	-0.22401	0.61351	-0.36513	0.715015	0.782985	16.80468	22.9913	15.30609	17.85702	17.11289	13.06473
16118	ASPM	8883.426	-0.22416	0.136457	-1.64275	0.100435	0.165658	8372.524	11893.62	8452.44	8002.175	7933.961	8645.838
20293	LOC103221	151.7595	-0.22425	0.229057	-0.97902	0.327569	0.429134	170.7572	143.9693	173.9328	149.5525	149.7377	122.6075
14191	ZNF584	1057.441	-0.22427	0.113342	-1.9787	0.04785	0.089641	1169.822	1182.957	1065.86	1004.457	932.6523	988.8998
15939	UCHL5	2528.179	-0.22435	0.133704	-1.67798	0.093352	0.155704	2425.294	3305.82	2440.626	2366.055	2335.909	2295.373
20379	LOC103227	191.3138	-0.22438	0.232514	-0.96504	0.334525	0.436398	249.3597	164.771	203.8493	200.8914	156.1551	172.8565
13737	BMPRI1A	2145.731	-0.22474	0.10898	-2.06225	0.039184	0.075827	2173.224	2577.762	2185.988	1944.183	2021.46	1971.77
13210	MCM5	4735.662	-0.22493	0.103855	-2.16577	0.030329	0.061032	5405.143	4748.797	5166.501	4174.077	4115.649	4803.802
18050	PKN3	303.1311	-0.22493	0.168531	-1.33466	0.181989	0.268054	339.8882	307.6454	334.6468	285.7123	252.4151	298.4789
13322	PRRC2B	10702.34	-0.22494	0.104939	-2.14354	0.03207	0.063992	10937.13	12613.46	11062.13	9575.825	9142.559	10882.92
22854	PRDM12	44.63094	-0.225	0.384584	-0.58504	0.558518	0.649696	43.909	53.09895	48.00546	40.17829	36.36488	46.22906
22024	LOC119621	80.59414	-0.22511	0.311744	-0.72211	0.470229	0.567609	91.07051	92.5126	75.13899	71.42806	94.12087	59.29379
23296	LOC103241	44.54956	-0.22513	0.437324	-0.51478	0.606707	0.692368	66.13454	29.56024	48.7012	40.17829	38.50399	44.2191
14568	PSMB1	6585.108	-0.22513	0.117746	-1.91201	0.055875	0.101965	7829.896	5970.621	7496.506	6089.242	5747.79	6376.595
11933	UBE3C	5828.115	-0.22516	0.093094	-2.41862	0.01558	0.034709	6506.121	6097.62	6250.451	5153.981	5146.7	5813.806
14985	LRRCA2	1630.773	-0.22517	0.122595	-1.83667	0.066259	0.11755	1851.347	1575.999	1851.341	1504.454	1351.918	1649.171
25013	LOC103231	9.827959	-0.22527	0.925574	-0.24339	0.807707	0.858469	8.131296	13.13788	9.740239	6.696381	19.252	2.009959
14706	HIP1R	2776.868	-0.22545	0.119314	-1.88954	0.05882	0.106332	3175.542	2623.745	3187.145	2524.536	2342.326	2807.913
13507	DAPK3	1483.411	-0.22554	0.107085	-2.10614	0.035192	0.069266	1615.417	1561.218	1621.75	1459.811	1251.38	1390.892
24291	NECAB1	21.33673	-0.22565	0.620944	-0.3634	0.716305	0.783952	18.43094	23.53871	25.74206	22.32127	29.94755	8.039836
21827	LOC103231	89.25587	-0.22582	0.298754	-0.75586	0.449731	0.547742	80.22878	114.9565	94.61947	84.82083	68.45154	92.45811
25128	TRNAH-GU	6.556862	-0.2259	0.995436	-0.22694	0.840471	0.868044	9.215468	5.474118	6.957314	2.232127	6.417332	9.044815
19252	LOC103231	286.9863	-0.22598	0.197427	-1.1446	0.252375	0.348504	278.0903	364.5763	282.4669	305.8014	258.8324	232.1503
13966	DDX1	4980.792	-0.22598	0.111952	-2.01853	0.043537	0.082874	5201.319	6051.638	4861.771	4524.521	4306.03	4939.474
14221	CALCOCO2	4630.862	-0.22603	0.114552	-1.97317	0.048476	0.090623	4678.205	5791.617	4509.731	4189.702	4248.274	4367.641
13570	PRPF6	3929.182	-0.22604	0.107902	-2.09485	0.036185	0.070889	4168.102	4613.039	3934.361	3528.993	3366.96	3963.639
13940	MAP9	2297.502	-0.22608	0.111641	-2.02505	0.042862	0.081736	2288.689	2793.99	2349.485	2073.646	2130.554	2148.646
14351	PPP4C	3433.385	-0.22614	0.115822	-1.95245	0.050885	0.094257	3859.655	3490.845	3765.298	2915.158	2926.303	3643.051
13286	DHX29	4194.622	-0.22624	0.105164	-2.15129	0.031454	0.062941	4319.344	5079.434	4168.822	3796.848	3955.216	3848.066
13024	NEDD8	3865.191	-0.22625	0.102837	-2.20009	0.0278	0.056747	4337.775	3713.094	4454.072	3566.939	3495.307	3623.956
16134	LOC103231	1550.448	-0.22637	0.138064	-1.63962	0.101085	0.166522	1863.151	1353.749	1799.857	1459.811	1366.892	1459.23
18348	LOC119615	375.2313	-0.22647	0.177769	-1.27395	0.202683	0.293673	442.8846	433.5502	339.5169	301.3371	357.2315	376.8673
23489	LOC103221	30.08484	-0.22673	0.466089	-0.48645	0.62665	0.709219	30.35684	30.10765	37.56949	26.78552	23.53022	32.15934
18700	ALDH16A1	692.7634	-0.22685	0.184678	-1.22834	0.219318	0.311796	885.227	547.4118	810.527	665.1738	566.8643	681.3761
13439	CEP97	1624.783	-0.22699	0.107085	-2.1197	0.034031	0.06732	1715.703	1867.769	1676.713	1397.311	1529.464	1561.738
18559	CACNB1	267.9266	-0.2271	0.182883	-1.24177	0.214321	0.307006	252.6122	295.6024	319.3407	254.4625	235.3022	250.2399
16177	POLR1G	1177.743	-0.22722	0.139352	-1.63055	0.102985	0.169243	1150.849	1500.456	1162.567	1058.028	1026.773	1167.786
17403	FDXR	817.0659	-0.22724	0.159004	-1.42916	0.152959	0.233662	1061.947	713.825	868.9685	725.4413	759.3843	772.8292
25008	LOC119621	10.61204	-0.22726	0.930859	-0.24414	0.80712	0.857985	15.17842	6.568942	11.82743	6.696381	21.39111	2.009959
23500	LOC103221	29.84316	-0.22745	0.469372	-0.48459	0.627967	0.710405	34.15144	27.918	34.09084	24.5534	34.22577	24.11951
15518	PIK3C2A	7756.647	-0.22746	0.130734	-1.73983	0.081889	0.14029	7334.971	10230.03	7536.858	7145.038	6877.241	7415.744
12846	SCN8A	1395.865	-0.22748	0.102027	-2.2296	0.025774	0.05334	1508.626	1562.861	1445.034	1279.009	1296.301	1283.359
11101	RBBP7	7516.824	-0.22757	0.087363	-2.60484	0.009192	0.022013	8370.356	7966.484	7994.649	6892.808	6556.374	7320.27
13218	RAPGEF2	3514.132	-0.22776	0.105214	-2.16475	0.030407	0.061157	3692.692	4207.407	3475.178	3133.906	3212.944	3362.661
23098	LOC103221	42.78362	-0.22807	0.418636	-0.5448	0.585892	0.674341	51.49821	32.84471	54.96278	37.94616	34.22577	45.22408
16194	GTF2IRD2E	438.2745	-0.22812	0.140134	-1.62788	0.10355	0.169994	481.3727	475.7009	461.2699	404.015	404.2919	402.9968
12603	ECH1	1824.949	-0.22826	0.100027	-2.28194	0.022493	0.047446	1974.821	2038.562	1897.955	1616.06	1653.533	1768.764
15807	RBM38	616.6124	-0.22828	0.134309	-1.6997	0.089188	0.150001	713.9277	617.4805	667.2064	551.3354	549.7514	599.9727
13968	CAPRIN1	14882.1	-0.22846	0.113189	-2.01841	0.043549	0.082886	14771.31	18736.26	14668.8	13312.41	13499.93	14303.87
23678	LOC119621	26.08701	-0.22853	0.500331	-0.45675	0.647849	0.727386	32.52518	22.44388	29.22072	24.5534	25.66933	22.10955
24859	LOC119621	9.227259	-0.22892	0.841724	-0.27196	0.785652	0.840167	5.420864	12.59047	11.82743	8.928508	8.556443	8.039836
17861	MTIF3	790.984	-0.22901	0.167479	-1.36737	0.171508	0.255279	707.4227	1064.716	791.0466	694.1915	701.6283	786.8989
15148	MOGS	3281											



14232	TARS2	1284.881	-0.2293	0.116387	-1.97017	0.048819	0.091192	1389.367	1478.559	1296.148	1196.42	1084.529	1264.264
11552	UBE2D2	3497.889	-0.22951	0.091657	-2.50399	0.01228	0.028258	3677.514	3852.137	3794.519	3102.657	3428.994	3131.516
16282	CUNH1orf	996.8538	-0.22952	0.142485	-1.6108	0.107223	0.175073	1029.964	1179.125	1023.421	964.2789	757.2452	1027.089
23629	LOC119623	30.90881	-0.22952	0.494481	-0.46416	0.642536	0.722918	31.44101	38.31883	32.00364	20.08914	21.39111	42.20914
16861	ZFAND2A	501.005	-0.22956	0.151731	-1.51296	0.130289	0.205417	590.3321	491.0284	541.9747	497.7643	408.5701	476.3603
17552	BM25	9662.695	-0.22958	0.163201	-1.40673	0.159506	0.241595	8645.193	13999.51	8645.158	8573.6	9037.743	9074.965
13579	DMWD	1614.869	-0.22975	0.109785	-2.0927	0.036376	0.071212	1677.215	1726.537	1832.556	1450.883	1384.005	1618.017
16945	LOC103234	375.4095	-0.22976	0.153185	-1.49991	0.133638	0.209664	402.7702	380.4512	433.4406	348.2118	335.8404	351.7428
13862	GPR153	1368.779	-0.23014	0.112973	-2.03713	0.041637	0.079848	1427.855	1542.059	1463.819	1361.597	1138.007	1279.339
16019	LOC103227	1659.456	-0.23023	0.138516	-1.66214	0.096484	0.160124	1663.663	2137.643	1576.527	1410.704	1523.047	1645.151
15946	CAMKK1	752.4078	-0.23031	0.137368	-1.67657	0.093626	0.156092	893.3583	709.9931	835.5734	658.4775	699.4892	717.5553
13856	CDKN2AIP1	1314.805	-0.23034	0.112998	-2.03844	0.041506	0.079637	1492.364	1345.538	1424.162	1245.527	1105.92	1275.319
22017	LOC103233	67.98346	-0.23035	0.318508	-0.72321	0.469549	0.566974	65.05036	74.44801	80.70484	55.80317	70.59065	61.30375
13744	NAV1	3310.58	-0.23036	0.111764	-2.06114	0.039289	0.075998	3269.323	3946.292	3513.443	2970.961	2845.017	3318.442
13676	POLDIP3	2848.298	-0.23047	0.111167	-2.07321	0.038152	0.074165	3299.138	2919.895	3014.604	2551.321	2389.387	2915.445
20093	LOC119623	179.4116	-0.23051	0.227381	-1.01374	0.310706	0.411095	215.2083	176.814	192.7176	149.5525	141.1813	200.9959
18589	LOC103246	244.9665	-0.23062	0.186503	-1.23657	0.216247	0.309266	248.8176	258.3784	283.8584	249.9982	226.7457	202.0009
16528	CYB5D1	770.9958	-0.23066	0.146884	-1.57037	0.11633	0.18712	752.4159	981.5094	765.3045	671.8702	710.1847	744.6898
23387	ABCC8	42.31112	-0.23085	0.461211	-0.50052	0.616707	0.701033	45.53526	42.15071	47.30973	60.26743	38.50399	20.09959
17711	CRKL	516.0572	-0.23094	0.167031	-1.38264	0.166777	0.250339	493.2986	664.5579	516.9284	450.8897	447.0741	523.5943
23588	DCAF4L1	34.34973	-0.23096	0.490861	-0.47051	0.637988	0.719048	44.45108	33.93953	31.30791	31.24978	47.06043	18.08963
14512	APEX1	6542.712	-0.23101	0.120228	-1.92143	0.054678	0.100166	6454.622	8363.358	6378.465	6180.76	5762.764	6116.305
23108	LOC103236	39.49229	-0.23105	0.425834	-0.54257	0.587424	0.675812	47.7036	42.69812	36.17803	46.87467	36.36488	27.13445
17873	BASP1	1640.244	-0.2311	0.169237	-1.36554	0.172084	0.255965	1520.552	2335.259	1456.861	1475.436	1585.081	1468.275
15351	GGA1	957.0118	-0.2313	0.130684	-1.76993	0.076739	0.132897	1067.91	979.8671	1060.295	794.6372	836.3923	1002.97
19702	MRPL54	497.3229	-0.23138	0.216352	-1.06947	0.284857	0.384374	595.7529	350.891	665.1192	470.9788	444.935	456.2607
19627	ZKSCAN3	181.1124	-0.23141	0.213993	-1.08137	0.279533	0.378631	194.609	201.995	189.9347	138.3919	198.9373	162.8067
22186	LOC103246	96.94159	-0.23161	0.333626	-0.69422	0.487545	0.584215	108.4173	91.96518	111.317	75.89232	134.764	59.29379
20663	LOC103227	120.3911	-0.23167	0.249883	-0.9271	0.353876	0.455296	144.7371	115.5039	130.7975	98.21359	115.512	117.5826
12093	DDX41	4175.372	-0.23183	0.097061	-2.38846	0.016919	0.037194	4541.6	4532.022	4463.117	3908.454	3484.611	4122.426
21023	LOC119627	110.8726	-0.23183	0.264367	-0.87693	0.380525	0.481199	105.1648	134.1159	118.9701	120.5349	91.98176	94.46807
13842	PRPS2	1899.926	-0.23193	0.113612	-2.04142	0.041209	0.07914	1966.689	2285.992	1907.695	1709.809	1679.202	1850.167
11126	LITAF	4212.954	-0.23197	0.089319	-2.59713	0.009401	0.022462	4534.552	4763.03	4358.061	3743.277	3891.042	3987.759
14228	BRAF	4166.954	-0.23198	0.117686	-1.97115	0.048707	0.091009	4164.85	5213.55	4127.078	3575.867	3963.772	3956.604
18032	ARID3A	417.4255	-0.23199	0.173493	-1.33718	0.181163	0.267093	404.9385	521.136	428.5705	410.7114	325.1448	414.0515
19534	TEDC1	852.2387	-0.23213	0.211957	-1.09519	0.273435	0.372135	1072.247	596.1315	1096.473	801.3336	658.8461	888.4019
22527	LOC119627	65.28617	-0.23217	0.364685	-0.63663	0.524369	0.618842	53.66655	84.30142	71.66033	71.42806	68.45154	42.20914
20454	LOC119627	137.4848	-0.23224	0.243671	-0.95309	0.340544	0.44262	138.7741	167.508	139.842	102.6778	145.4595	130.6473
12495	TBC1D5	4635.434	-0.23228	0.100882	-2.3025	0.021307	0.045334	4858.72	5483.424	4685.055	4249.97	4047.197	4488.238
12983	TSPYL4	1378.54	-0.2324	0.105303	-2.207	0.027314	0.055931	1550.367	1481.844	1439.468	1245.527	1221.432	1332.603
15181	SNW1	4004.472	-0.23241	0.129114	-1.80006	0.071851	0.125826	3976.746	5225.046	3777.126	3712.027	3604.401	3731.489
16552	UPF3A	1392.195	-0.23246	0.148509	-1.56529	0.117514	0.188745	1296.671	1860.653	1353.893	1272.312	1313.414	1256.224
24224	LOC119625	20.05149	-0.23262	0.627751	-0.37055	0.710969	0.780264	15.7205	13.6853	35.4823	20.08914	19.252	16.07967
11095	PSMA1	8058.609	-0.23262	0.089241	-2.60663	0.009144	0.02191	8963.94	8055.712	9099.471	7544.589	7409.879	7278.061
23546	PITPNM3	28.55207	-0.23277	0.487831	-0.47716	0.633249	0.71498	34.15144	23.53871	35.4823	22.32127	25.66933	30.14938
20834	LOC103237	260.7089	-0.23291	0.258897	-0.89963	0.368319	0.469989	228.7604	400.158	214.2853	281.248	226.7457	213.0556
23761	LOC103226	25.23062	-0.23296	0.525292	-0.4435	0.657407	0.735509	29.81475	25.18094	26.43779	15.62489	34.22577	20.09959
24011	LOC103235	21.22964	-0.23307	0.575568	-0.40486	0.685578	0.759073	20.0572	31.74989	17.39328	20.08914	14.97377	23.11453
12964	RHBDF2	1414.496	-0.23311	0.105451	-2.21062	0.027062	0.055496	1569.882	1481.844	1538.958	1258.92	1253.519	1383.857
17987	TMEM187	412.4809	-0.2332	0.173278	-1.3458	0.178366	0.263627	487.3356	432.4553	423.0047	325.8905	352.9533	453.2457
19203	MZT2B	1808.617	-0.23333	0.202449	-1.15255	0.249096	0.344854	2386.264	1212.517	2265.301	1799.094	1510.212	1678.316
15406	RPS20	37231.86	-0.23335	0.132667	-1.75891	0.078592	0.135607	43744.74	31268.16	45695.64	34865.82	34418.29	33398.48
16633	GKAP1	470.3784	-0.23338	0.15035	-1.55221	0.120611	0.192776	475.4097	567.1186	482.8376	406.2471	453.4915	437.1661
24953	ANGPTL2	8.387003	-0.23342	0.918878	-0.25403	0.799471	0.851759	11.9259	11.49565	3.478657	6.696381	10.69555	6.029877
24475	SLC22A14	12.64704	-0.2335	0.698762	-0.33417	0.738252	0.801898	13.01007	13.6853	13.91463	13.39276	12.83466	9.044815
14126	GRAMD1A	1939.985	-0.23352	0.117416	-1.98881	0.046722	0.087931	2263.753	1869.959	2160.942	1797.934	1642.837	1914.486
21958	SELENNOV	82.36442	-0.23352	0.317897	-0.73459	0.46259	0.560067	98.65972	81.01695	85.57496	66.96381	102.6773	59.29379
24854	LOC103237	9.169727	-0.23353	0.854008	-0.27346	0.784502	0.839143	10.29964	10.40082	8.348776	13.39276	8.556443	4.019918
12219	TBCE	1714.94	-0.23361	0.098877	-2.36268	0.018143	0.039474	1832.252	1932.911	1792.9	1573.65	1619.307	1538.624
23752	LOC119618	23.78322	-0.23389	0.526151	-0.44453	0.656656	0.734994	24.93597	23.53871	27.82925	26.78552	23.53022	16.07967
25936	TRNAS-AG	1.187026	-0.23403	2.36371	-0.09901	0.921129	0.944179	2.168345	0.547412	1.391463	0	0	3.014938
12612	ARF1	11040.68	-0.23407	0.102654	-2.28016	0.022598	0.047631	12419.74	10990.39	12402.11	9696.36	9516.903	11218.59
19786	UCN	179.7891	-0.23415	0.22184	-1.05549	0.291199	0.391263	208.7033	166.4132	210.1109	167.4095	141.1813	184.9162
12522	GANAB	12849.31	-0.2342	0.101942	-2.29738	0.021597	0.045852	14296.99	13863.2	13520.15	11290.1	10817.48	13307.94
13576	CHKA	3409.526	-0.23465	0.112111	-2.09302	0.036348	0.071177	4015.234	3316.768	3733.295	2950.872	3014.007	3426.98
14335	TRIP10	2690.882	-0.2348	0.120106	-1.95495	0.050589	0.09382	2781.445	3332.096	2617.341	2504.446	2290.988	2618.976
14632	WIPF2	2569.797	-0.23488	0.123551	-1.90111	0.057288	0.104087	2515.281	3256.005	2565.857	2247.752	2395.804	2438.08
22345	LOC119624	60.48932	-0.23492	0.351882	-0.66762	0.504378	0.600084	78.06044	51.45671	66.09448	64.73168	51.33866	51.25395
17937	LOC103216	291.8946	-0.23495	0.173545	-1.35382	0.175793	0.260549	343.1407	320.2359	282.4669	281.248	260.9715	263.3046
15417	FNTB	684.8862	-0.23511	0.133759	-1.7577	0.078798	0.135879	732.9008	785.536	707.5588	622.76		



13059	GPN1	2020.419	-0.23546	0.107267	-2.19506	0.028159	0.057325	2326.093	2091.661	2143.548	1765.612	1777.601	2017.999
10263	PPT1	4219.712	-0.23547	0.084158	-2.79798	0.005142	0.01332	4554.61	4606.47	4525.037	3973.186	3895.321	3763.648
17461	TRIM14	1038.749	-0.2355	0.166204	-1.41692	0.156505	0.238285	936.7252	1438.051	995.5916	968.7431	915.5394	977.845
12308	RMND5A	2889.959	-0.23562	0.100572	-2.34285	0.019137	0.041335	3063.33	3326.622	2989.558	2727.659	2457.838	2774.748
13176	EIF2B5	3200.799	-0.23565	0.10837	-2.17451	0.029667	0.059854	3530.609	3575.694	3285.939	2926.318	2631.106	3255.129
16160	PARP16	464.5054	-0.23572	0.144216	-1.6345	0.102153	0.168053	477.5781	538.6532	491.8821	439.729	400.0137	439.176
16811	ICA1L	564.1468	-0.23573	0.154734	-1.52346	0.127643	0.201856	575.1536	713.825	539.8875	542.4069	509.1083	504.4997
13485	CWF19L1	1200.762	-0.23576	0.111733	-2.11007	0.034853	0.06871	1376.899	1249.194	1273.884	1046.868	1090.946	1166.781
15156	ZCCHC3	1005.748	-0.23585	0.130666	-1.805	0.071074	0.124671	1005.028	1214.159	1048.467	908.4757	851.366	1006.989
22998	SLC6A12	51.45268	-0.23594	0.418309	-0.56403	0.572734	0.662063	59.6295	45.98259	59.13717	55.80317	62.03421	26.12947
15208	CHPT1	1624.578	-0.236	0.131472	-1.79503	0.072649	0.126997	1941.211	1485.128	1849.254	1479.9	1384.005	1607.967
24331	LOC119625	14.65372	-0.23611	0.661035	-0.35718	0.720957	0.787681	14.63633	12.59047	20.17621	15.62489	12.83466	12.05975
20186	SLC44A5	124.3943	-0.23611	0.23627	-0.99932	0.317641	0.418333	129.5586	142.8745	130.7975	116.0706	115.512	111.5527
11252	GMPR2	3785.014	-0.23624	0.091938	-2.56958	0.010182	0.024055	4050.469	4356.303	3875.919	3417.386	3516.698	3493.309
15275	MTMR11	950.0945	-0.23628	0.132433	-1.78414	0.0744	0.129488	1038.095	997.9317	1053.337	883.9223	744.4105	982.8699
20858	LOC103226	101.8294	-0.23628	0.263395	-0.89707	0.369679	0.471182	113.2961	117.1461	100.1853	100.4457	83.42532	96.47803
23766	LOC119625	27.13635	-0.23633	0.533713	-0.4428	0.657911	0.735949	36.31979	22.9913	27.82925	20.08914	38.50399	17.08465
15044	PHPT1	2919.867	-0.2365	0.129557	-1.82543	0.067936	0.120054	3282.333	2599.659	3596.931	2707.57	2534.846	2797.863
14299	LOC103235	2607.377	-0.23654	0.120585	-1.9616	0.049809	0.092606	2960.876	2454.047	3050.086	2515.607	2156.224	2507.424
14604	APH1B	1464.063	-0.23663	0.124197	-1.90531	0.05674	0.10329	1701.067	1472.538	1585.572	1256.687	1244.962	1523.549
27180	LOC119625	0.515362	-0.23673	3.974798	-0.05956	0.952507	NA	0	0	2.087194	0	0	1.004979
19796	LOC103226	147.0601	-0.23692	0.224799	-1.05392	0.291921	0.392028	146.9054	165.8658	166.2798	127.2312	128.3466	147.732
23074	LOC119625	10622.95	-0.23693	0.43033	-0.55059	0.581916	0.670462	14069.85	8770.632	11642.37	7725.391	5739.234	15790.24
14515	EPHA2	5712.232	-0.2371	0.123471	-1.92029	0.054821	0.100407	6699.103	5411.713	6438.298	5212.016	4596.949	5915.309
13623	TATDN2	1602.846	-0.23735	0.113863	-2.08448	0.037117	0.072432	1735.218	1775.804	1698.28	1491.061	1302.718	1613.997
15039	SCN2A	657.3453	-0.23738	0.130006	-1.8259	0.067866	0.119969	719.8907	753.7861	661.6405	609.3707	573.2817	626.1022
16305	HOXB7	593.2903	-0.23742	0.147832	-1.60603	0.108268	0.176529	589.2479	742.2904	594.1546	553.5675	534.7777	545.7039
13479	YAP1	6084.966	-0.23762	0.112553	-2.11123	0.034752	0.068543	6129.371	7534.029	6095.998	5359.337	5403.394	5987.668
14701	TRMT2A	1612.42	-0.23765	0.125703	-1.89054	0.058686	0.106127	1912.481	1528.374	1799.161	1444.186	1373.309	1617.012
23879	LOC119618	22.43249	-0.23772	0.55778	-0.42618	0.669976	0.745883	25.47806	21.89647	25.04633	31.24978	12.83466	18.08963
14952	TLCD4	588.9173	-0.23772	0.128846	-1.84498	0.06504	0.115642	629.3623	655.7994	628.9412	537.9426	517.6648	563.7935
19091	ASXL3	365.0747	-0.23774	0.202978	-1.17127	0.24149	0.336285	339.8882	495.9551	352.7358	314.7299	295.1973	391.942
13535	PEX3	1092.19	-0.23778	0.113175	-2.10101	0.03564	0.070003	1225.115	1208.685	1111.779	950.8861	1056.721	999.9546
17351	LOC103234	298.4676	-0.23781	0.165253	-1.43909	0.150125	0.23002	327.4202	325.1626	315.862	256.6946	297.3364	268.3295
26618	LOC119626	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
26636	LOC119626	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
26771	LOC103236	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
27147	LOC119624	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
27338	LOC119625	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
27820	LOC119625	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
28084	WFDC2	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
28201	LOC119618	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
28246	LOC119618	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
29269	LOC119625	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
29307	LOC119625	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
29530	LOC119625	0.180695	-0.23782	4.048328	-0.05875	0.953154	NA	1.084173	0	0	0	0	0
14624	PRMT7	1363.708	-0.238	0.125061	-1.90307	0.057032	0.103678	1582.892	1431.482	1420.683	1203.116	1123.033	1421.041
21572	CYP2D8	76.36879	-0.23803	0.299985	-0.79349	0.427494	0.526837	87.27591	73.90059	86.27069	78.12444	66.31243	66.32864
19527	TMEM171	183.2446	-0.23817	0.217286	-1.09611	0.273029	0.371714	185.9356	211.301	198.9792	189.7308	132.6249	180.8963
24061	NTK1	28.01868	-0.23823	0.603148	-0.39498	0.692858	0.765507	33.06727	20.25424	36.17803	26.78552	42.78221	9.044815
10079	LIN7C	5798.6	-0.2384	0.083882	-2.84213	0.004481	0.01182	6175.99	6543.761	6110.609	5374.962	5223.708	5362.57
14577	MLH3	697.9468	-0.23841	0.124809	-1.91019	0.056108	0.102321	754.5842	789.3678	722.1692	671.8702	607.5074	642.1819
13910	TANGO6	2255.921	-0.23853	0.117549	-2.02918	0.04244	0.081112	2558.106	2503.862	2272.259	1908.469	1940.173	2352.657
16315	RNF121	1189.873	-0.23868	0.148927	-1.60265	0.109011	0.177623	1473.391	1063.621	1332.326	1029.011	1011.799	1229.09
12189	TRIM41	2267.589	-0.23871	0.100773	-2.36879	0.017846	0.038924	2380.843	2617.176	2368.965	2118.289	1961.564	2158.696
18828	LOC119625	209.5129	-0.23873	0.196609	-1.21426	0.224649	0.317203	227.1342	249.0724	204.545	198.6593	179.6853	197.981
15046	PPM1K	550.9999	-0.23879	0.13083	-1.82515	0.067978	0.120112	612.5576	581.3513	595.5461	522.3177	487.7172	506.5097
25448	LOC103236	3.106045	-0.23885	1.385852	-0.17235	0.863166	0.901696	5.420864	2.737059	2.087194	2.232127	2.139111	4.019918
13119	RCBTB1	1972.703	-0.23892	0.10939	-2.18408	0.028957	0.058679	2178.103	2232.893	2001.619	1649.542	1820.383	1953.68
14566	PARK7	3195.492	-0.23897	0.12496	-1.9124	0.055825	0.101888	3821.167	2849.826	3709.64	2917.39	2859.991	3014.938
16717	SPINT2	5250.966	-0.23898	0.15526	-1.53923	0.123749	0.196797	6783.127	4328.385	5948.503	4517.825	4423.681	5504.273
14149	ZNF557	857.7527	-0.23898	0.120365	-1.98549	0.04709	0.088479	922.0889	934.432	932.28	709.8164	827.8358	820.0632
11440	PPHLN1	2077.434	-0.239	0.094548	-2.52785	0.011476	0.026669	2186.234	2328.142	2235.385	1859.362	1903.808	1951.67
21900	TRIM62	89.17496	-0.23903	0.321201	-0.74418	0.456765	0.554457	83.4813	114.4091	94.61947	60.26743	72.72976	109.5428
21399	DNAH12	100.6991	-0.23907	0.292584	-0.8171	0.413869	0.514169	104.6227	101.2712	118.9701	87.05295	121.9293	70.34856
15305	GPN3	1572.752	-0.23928	0.134518	-1.77876	0.07528	0.130753	1846.888	1394.258	1867.343	1408.472	1499.517	1420.036
15435	CACNA1B	939.4816	-0.23931	0.136395	-1.75457	0.079333	0.136643	1158.981	953.044	943.4117	790.173	855.6443	935.6359
12264	AKT1S1	1656.389	-0.23932	0.101704	-2.35309	0.018618	0.040362	1837.131	1702.998	1843.688	1459.811	1520.908	1573.798
17980	LOC119625	274.7243	-0.23937	0.177764	-1.34654	0.178129	0.263373	284.0533	331.7316	276.2054	263.391	241.7195	251.2449
15352	CUNH1orf	576.3805	-0.23939	0.135298	-1.76935	0.076836	0.133057	663.5137	572.0453	635.8985	533.4783	534.7777	518.5694
15479	DFFA	3440.86	-0.23944	0.136958	-1.74828	0.080416	0.138105	3333.289	4588.953	3253.24	3267.834	3114.545	3087.297
13164	DESL	7588.132	-0.23955	0.109991	-2.17795	0.02941	0.059393	7847.242	9354.173	7451.283	6535.668	7080.456	7259.972
21869	TMEM123	4155.445	-0.23958	0.319444	-0.75	0.453256	0.550999	3410.807	6484.09				



25487	CHRM5	2.719608	-0.23975	1.440998	-0.16638	0.867861	0.905216	2.168345	3.284471	3.478657	2.232127	2.139111	3.014938
14968	SETDB2	1079.785	-0.23978	0.130312	-1.84006	0.065759	0.116797	1109.109	1344.991	1052.642	986.6001	1007.521	977.845
13526	MYSM1	3474.336	-0.23982	0.114064	-2.10247	0.035513	0.069799	3492.12	4333.312	3462.655	3203.102	3101.71	3253.119
16606	CENPC	685.5291	-0.23985	0.154101	-1.55643	0.119606	0.191482	664.5979	880.7856	683.9039	578.1209	637.455	668.3113
15076	ZBTB24	1192.516	-0.23999	0.13183	-1.82041	0.068696	0.121138	1154.102	1500.456	1218.226	1127.224	1088.807	1066.283
11425	DCTN2	3439.368	-0.24002	0.094845	-2.53065	0.011385	0.026492	3720.881	3837.904	3622.673	3042.389	3022.563	3389.796
12943	MRPL19	1385.495	-0.24013	0.108417	-2.21491	0.026766	0.054978	1600.781	1458.305	1442.947	1205.349	1326.249	1279.339
14906	CDKAL1	766.1308	-0.24016	0.129613	-1.85289	0.063898	0.113962	879.2641	866.0055	743.0411	729.9055	678.0981	700.4707
15607	POLE2	654.132	-0.24017	0.138951	-1.72846	0.083906	0.142926	741.0321	639.377	740.9539	638.3883	620.3421	544.6989
13563	MCM2	5611.337	-0.24034	0.114639	-2.09651	0.036037	0.070637	6448.659	5720.453	6073.039	5033.446	4526.358	5866.065
19009	MMACHC	240.292	-0.24036	0.20315	-1.18316	0.236746	0.331101	239.6022	304.9084	235.1572	252.2303	196.7982	213.0556
13085	ZMYM6	1535.387	-0.24037	0.109735	-2.19044	0.028492	0.057889	1594.276	1823.976	1569.57	1426.329	1403.257	1394.912
22877	LOC103222	48.41645	-0.24064	0.413172	-0.58241	0.560291	0.651097	62.88202	39.96106	52.87558	46.87467	57.75599	30.14938
16217	ZNF891	399.977	-0.24069	0.148105	-1.62511	0.104139	0.170718	417.4065	437.9295	443.1809	357.1403	391.4573	352.7478
13263	ANO6	5571.797	-0.24077	0.111171	-2.15533	0.031136	0.06241	5611.678	6889.725	5609.682	4993.268	4881.451	5444.979
18119	CUNH3orf1	283.2195	-0.24081	0.182733	-1.31784	0.187556	0.27519	334.4673	312.0247	275.5096	272.3195	224.6066	280.3893
14318	IFT57	2621.457	-0.24082	0.122983	-1.95814	0.050213	0.093234	2575.994	3309.104	2630.56	2542.393	2389.387	2281.303
11985	GTF3C6	1588.154	-0.24091	0.100007	-2.40894	0.015999	0.035486	1641.98	1779.636	1738.633	1457.579	1475.986	1435.111
24068	LOC119621	18.11242	-0.24107	0.610847	-0.39464	0.693107	0.765592	13.55216	21.89647	22.95914	20.08914	17.11289	13.06473
13631	SLC35D1	944.8956	-0.24108	0.115745	-2.08289	0.037262	0.072673	1044.058	1064.716	964.2837	861.601	834.2532	900.4616
22953	ITIH4	38.08461	-0.24117	0.422562	-0.57073	0.568184	0.658091	37.40396	43.79295	42.43961	26.78552	44.92132	33.16432
13189	GTF3C4	2912.449	-0.24122	0.111104	-2.17114	0.02992	0.060312	3123.502	3363.298	2987.471	2537.928	2470.673	2991.824
22259	ARMH1	69.29802	-0.24139	0.354037	-0.68183	0.495346	0.591616	88.36008	52.00412	84.87923	75.89232	51.33866	63.31371
22262	CCDC62	80.94023	-0.24143	0.354456	-0.68112	0.495797	0.592075	94.32303	89.77554	75.83472	91.51721	91.98176	42.20914
24549	LOC103231	11.18143	-0.24146	0.746794	-0.32333	0.746443	0.808351	10.84173	13.13788	12.52316	6.696381	12.83466	11.05477
25337	LOC119624	4.308245	-0.24163	1.253672	-0.19274	0.847163	0.888842	4.878777	4.379295	4.87012	6.696381	0	5.024897
9631	PPP2R5C	5699.498	-0.24173	0.081861	-2.95298	0.003147	0.008688	6017.701	6326.438	6182.269	5301.302	5191.622	5177.654
14902	AGA	957.2984	-0.24174	0.130354	-1.85452	0.063665	0.113578	1127.54	898.8502	1086.732	879.458	857.7834	893.4267
24261	AMH	15.76154	-0.24216	0.659342	-0.36727	0.713418	0.781765	22.76763	15.32753	13.2189	8.928508	19.252	15.07469
12974	NADK	4148.479	-0.24216	0.109672	-2.20808	0.027239	0.055815	4847.878	4160.33	4487.467	3622.742	3544.506	4227.949
14908	GALE	3727.452	-0.24222	0.130747	-1.85255	0.063947	0.114035	4476.549	3547.776	4102.032	3363.815	2954.112	3920.425
15403	CTCF	3761.998	-0.24242	0.137793	-1.75932	0.078524	0.135529	3651.494	5040.568	3540.577	3468.725	3322.039	3548.583
16681	NELFB	2291.678	-0.24246	0.156906	-1.54524	0.122289	0.194896	2816.139	1959.187	2682.044	2058.021	1792.575	2442.1
13217	TCTN2	2180.803	-0.24249	0.112012	-2.16484	0.0304	0.061147	2276.763	2643.999	2172.769	1955.343	1946.591	2089.352
13437	CDK9	2177.154	-0.24257	0.114412	-2.12017	0.033992	0.067253	2514.739	2288.729	2284.086	1839.273	1890.974	2245.124
13989	SHKBP1	822.0223	-0.24258	0.120557	-2.01216	0.044203	0.084005	892.2742	896.6606	887.0575	774.5481	686.6545	794.9388
23390	NHLRC1	27.43158	-0.24261	0.48484	-0.50039	0.6168	0.701053	24.39389	32.84471	32.00364	24.5534	25.66933	25.12449
13707	SMG6	2869.09	-0.24277	0.117445	-2.06714	0.038721	0.075099	2996.653	3529.164	2807.972	2591.499	2464.255	2824.997
23934	LOC119621	25.54512	-0.24283	0.580813	-0.41809	0.67588	0.750763	30.35684	12.59047	40.35242	22.32127	23.53022	24.11951
22673	IL23A	45.04024	-0.24286	0.39718	-0.61145	0.5409	0.634227	42.28427	58.02565	45.91827	33.4819	51.33866	39.1942
8939	CYP51A1	18183.9	-0.24299	0.077518	-3.13463	0.001721	0.005118	20022.5	19935.1	19179.92	16615.95	16340.67	17009.28
19554	LOC103226	173.6577	-0.24329	0.223153	-1.09026	0.275598	0.374695	187.5619	168.6028	205.9365	169.6417	177.5462	132.6573
11922	NUAK2	2337.861	-0.24335	0.100561	-2.41992	0.015524	0.034614	2589.005	2454.047	2566.553	2149.538	1978.677	2289.343
13335	CUNH7orf1	1140.294	-0.24343	0.113691	-2.14111	0.032265	0.064325	1271.193	1273.28	1168.133	1037.939	979.7127	1111.507
11675	CUNH18orf	2319.441	-0.24356	0.09834	-2.47668	0.013261	0.030197	2460.53	2619.366	2469.846	2004.45	2111.302	2251.154
12620	DENND1A	1646.435	-0.24357	0.106971	-2.27699	0.022787	0.047998	1801.895	1787.3	1773.419	1426.329	1437.482	1652.186
13743	ZNF330	1186.477	-0.24357	0.118167	-2.06126	0.039278	0.075981	1232.704	1404.111	1225.879	1013.386	1093.086	1149.697
17619	LOC103214	351.2206	-0.24361	0.173891	-1.40095	0.16123	0.24309	441.8004	334.4686	367.3462	314.7299	312.3102	336.6681
13156	MTA3	1652.853	-0.24362	0.111785	-2.17941	0.029302	0.059211	1716.245	1976.704	1680.887	1491.061	1582.942	1469.28
12737	DMXL2	4241.724	-0.24391	0.108368	-2.25075	0.024401	0.050927	4409.331	5163.188	4228.655	3910.686	3664.297	4074.187
27471	SSMEM1	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
27496	LOC119626	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
27876	LOC119627	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28050	LOC119618	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28072	LOC119618	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28094	LOC103246	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28242	TRNAI-AAL	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28336	LOC119619	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28379	LOC119619	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
28832	CUNH12orf	0.181583	-0.24391	4.047743	-0.06026	0.951949	NA	0.542086	0.547412	0	0	0	0
12438	HLCS	4299.399	-0.24392	0.105456	-2.31303	0.020721	0.044289	4492.812	5146.766	4351.8	3785.687	3788.365	4230.964
16106	USP8	6080.361	-0.24395	0.148272	-1.64528	0.099912	0.164917	5762.378	8462.987	5554.719	5508.889	5471.845	5721.348
15069	HELZ	3968.842	-0.24405	0.133963	-1.82181	0.068484	0.120821	3916.032	5240.921	3755.558	3410.69	3724.192	3765.658
12025	SUMO2	6882.466	-0.24406	0.101612	-2.40192	0.016309	0.036057	6902.386	8124.139	7356.664	6662.899	6408.776	5839.936
12010	EXOC4	4054.762	-0.24408	0.101516	-2.4044	0.016199	0.035858	4259.173	4813.939	4122.208	3602.653	3600.123	3930.475
12925	ZDHHC16	1147.286	-0.24412	0.110119	-2.21689	0.02663	0.054775	1195.3	1305.03	1234.227	1066.957	996.8256	1085.378
9323	SDMO1	6273.093	-0.24419	0.080726	-3.02494	0.002487	0.007091	6874.739	6687.183	6843.214	5823.619	5796.99	5612.81
14810	B4GALT3	1201.437	-0.24433	0.130596	-1.87086	0.061364	0.110147	1313.475	1297.913	1304.496	1107.135	928.374	1257.229
21563	RDH5	80.55096	-0.24435	0.307459	-0.79474	0.426767	0.526161	93.23886	70.61612	98.09812	84.82083	64.17332	72.35852
12224	RNF10	3658.045	-0.24439	0.103469	-2.36195	0.018179	0.039536	4026.618	4058.511	3825.131	3207.566	3105.989	3724.454
14438	SIK2	1112.044	-0.24443	0.126201	-1.93681	0.052769	0.097165	1086.883	1350.465	1183.439	1011.154	969.0171	1071.308
13289	GLE1	1891.1	-0.24447	0.11367	-2.15071	0.031499	0.063015	2239.462	1888.911	1734.363	1602		



11893	MED17	1785.226	-0.24506	0.100977	-2.42691	0.015228	0.03404	1999.757	1940.027	1870.822	1700.881	1531.603	1668.266
11121	TM9SF3	12988.17	-0.24515	0.094375	-2.59764	0.009387	0.022439	13755.44	15435.92	13078.36	11631.61	11745.86	12281.85
11171	PCBP2	4060.671	-0.24517	0.094783	-2.58666	0.009691	0.023063	4425.593	4407.213	4388.673	3734.348	3420.438	3987.759
16842	KATNB1	1281.299	-0.24525	0.161623	-1.5174	0.129165	0.203887	1575.845	1086.612	1512.52	1131.688	1037.469	1343.658
12550	PEBP1	4327.292	-0.24546	0.107048	-2.29296	0.021851	0.046287	5050.619	4174.015	4863.858	3915.151	3756.278	4203.829
15465	ZNF780A	781.2814	-0.24552	0.140249	-1.75058	0.080019	0.137555	922.0889	774.5877	850.1837	736.6019	620.3421	783.884
15653	LOC103231	1631.555	-0.24566	0.142429	-1.72479	0.084565	0.143625	1918.986	1467.611	1929.959	1426.329	1354.057	1692.385
22597	LOC103231	50.9542	-0.24587	0.393534	-0.62477	0.532123	0.626034	42.82482	65.14201	56.35424	58.0353	49.19955	34.1693
11603	ACOX1	3803.592	-0.24595	0.098635	-2.49354	0.012648	0.028978	4404.994	3917.279	4065.158	3352.655	3351.986	3729.479
15306	LOC103221	560.1526	-0.24647	0.138561	-1.77878	0.075276	0.130753	571.359	595.0366	654.6832	524.5498	536.9168	478.3702
18289	B9D2	358.9041	-0.24653	0.191811	-1.28525	0.198705	0.288839	436.9216	305.4558	427.8748	341.5154	290.9191	350.7378
11090	KIAA0895	3568.164	-0.2466	0.094548	-2.6082	0.009102	0.02182	3776.716	4151.024	3692.246	3212.031	3202.249	3374.721
19464	LOC119621	186.9011	-0.24672	0.222956	-1.1066	0.268466	0.366685	240.6863	173.5295	196.1962	158.481	162.5724	189.9411
17382	LOC119621	359.025	-0.2468	0.172294	-1.43245	0.152014	0.232499	383.2551	421.5071	363.8675	279.0159	382.9008	323.6034
17898	KRBA2	240.7144	-0.24684	0.181282	-1.36162	0.173319	0.257442	281.8849	253.4517	249.0718	220.9806	211.772	227.1254
15904	SNIP1	1132.282	-0.24688	0.146619	-1.6838	0.092219	0.154153	1169.28	1474.727	1044.293	970.9752	1046.025	1088.393
16187	FBXO11	2023.107	-0.24691	0.151583	-1.62885	0.103345	0.169731	1881.582	2777.02	1928.567	1770.077	1925.2	1856.197
23008	LOC119621	42.75605	-0.24692	0.439554	-0.56174	0.574293	0.663577	57.46116	35.58177	44.52681	44.64254	49.19955	25.12449
24485	SHISA8	12.09825	-0.247	0.74153	-0.3331	0.739061	0.802433	12.46799	9.853413	17.39328	13.39276	6.417332	13.06473
13613	UNG	1994.881	-0.24702	0.11837	-2.0868	0.036906	0.072071	2374.88	1928.532	2197.815	1729.898	1758.349	1979.81
17253	LONRF2	442.4886	-0.24704	0.169527	-1.45725	0.145047	0.223502	456.4367	562.7393	418.8303	444.1933	397.8746	374.8573
21859	DIO2	66.36644	-0.24732	0.329308	-0.75104	0.45263	0.55049	62.33993	79.37471	73.05179	64.73168	68.45154	50.24897
22799	LOC119621	40.73107	-0.24737	0.417313	-0.59276	0.553341	0.645229	33.06727	47.07742	52.87558	37.94616	34.22577	39.1942
15413	BICD1	2168.486	-0.24742	0.140704	-1.75841	0.078678	0.135732	2120.642	2897.451	2044.059	1928.558	2002.208	2017.999
11971	CDC25A	1645.339	-0.2475	0.10263	-2.41161	0.015882	0.035271	1833.878	1827.808	1698.976	1529.007	1424.648	1557.718
13304	TMEM94	2254.987	-0.24757	0.115368	-2.1459	0.031881	0.063707	2587.378	2196.764	2566.553	1982.129	1935.895	2261.204
13042	BABAM2	2144.557	-0.24758	0.112695	-2.19687	0.02803	0.057132	2278.931	2598.564	2108.762	1950.879	1893.113	2037.093
14066	NOL8	2449.472	-0.24766	0.123805	-2.00044	0.045453	0.085907	2475.708	3074.812	2429.494	2046.86	2327.352	2342.607
11975	ZNF236	2169.662	-0.24793	0.102832	-2.41106	0.015906	0.035313	2343.981	2523.568	2202.686	1915.165	1957.286	2075.283
13184	VEGFB	1186.34	-0.24795	0.114106	-2.17294	0.029785	0.06006	1182.832	1366.34	1315.628	1116.063	1041.747	1095.428
18739	LOC103231	190.4737	-0.24795	0.202238	-1.22602	0.220192	0.312386	218.4608	206.3743	193.4133	178.5702	188.2417	157.7818
14448	LARPA	6374.861	-0.24819	0.128284	-1.93468	0.05303	0.097577	6154.849	8387.444	6224.709	5589.246	5859.024	6033.897
12448	COPRS	1595.907	-0.24821	0.107385	-2.31136	0.020813	0.04445	1734.134	1603.369	1862.473	1419.633	1484.543	1471.219
15105	NPHP1	722.5597	-0.24827	0.136941	-1.81294	0.069841	0.122921	739.4058	891.7338	722.8649	662.9417	648.1505	670.3213
9418	EIF2S1	5980.263	-0.24836	0.0827	-3.00319	0.002672	0.007542	6384.693	6732.07	6364.551	5379.426	5546.714	5474.123
21241	LENG1	89.49844	-0.24838	0.29457	-0.84319	0.39912	0.499534	95.94929	110.5772	84.1835	100.4457	68.45154	77.38342
14092	SLC17A2	646.0163	-0.24843	0.124444	-1.99632	0.045899	0.086591	688.9918	696.3078	718.6905	616.067	571.1425	584.8981
11485	MRPL16	3035.309	-0.24846	0.098582	-2.52039	0.011722	0.027135	3487.784	3011.312	3389.603	2776.766	2761.592	2784.798
9841	VDAC2	9916.495	-0.24848	0.085791	-2.8964	0.003775	0.010197	11107.35	10574.35	10630.08	8964.222	8633.451	9589.514
14883	GTFA2A	2467.811	-0.24864	0.133816	-1.85805	0.063163	0.112845	2450.772	3232.467	2355.746	2162.931	2365.856	2239.094
15959	SIPA1	609.2465	-0.24892	0.148723	-1.67371	0.094188	0.156901	604.4263	689.1915	696.4271	558.0317	481.2999	626.1022
12081	RPP14	1868.508	-0.24901	0.104167	-2.39049	0.016826	0.037026	2184.608	1908.278	1997.445	1647.31	1717.706	1755.699
13611	KLF7	3618.286	-0.24905	0.119309	-2.08739	0.036853	0.07198	3555.002	4611.397	3622.673	3328.101	3277.118	3315.427
19121	CUNH19or	225.0125	-0.24919	0.213898	-1.16499	0.244025	0.339281	198.9457	296.1498	238.6359	205.3557	198.9373	212.0507
16646	RFX1	408.3336	-0.24936	0.160939	-1.54939	0.121288	0.193707	480.8306	382.0934	467.5315	383.9258	365.7879	369.8324
13829	STRADA	1560.633	-0.24946	0.122031	-2.04426	0.040928	0.078671	1552.535	1946.596	1586.268	1410.704	1439.621	1428.076
17823	LLGL2	765.3184	-0.24952	0.181695	-1.37329	0.169663	0.253071	970.8767	612.5538	914.191	649.549	658.8461	785.8939
11227	EIF4A1	38353.69	-0.24966	0.096961	-2.57485	0.010028	0.023749	44508.54	37594.05	42895.32	34408.24	33566.92	37149.07
10631	ATP5MC2	8136.5	-0.2497	0.092105	-2.71099	0.006708	0.016775	8571.47	9557.81	8388.433	7593.696	7136.073	7571.515
14237	HIGD1C	3444.945	-0.24998	0.126937	-1.9693	0.048918	0.091346	4185.449	3286.113	3763.907	2997.747	2855.713	3580.742
26893	COG4	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
27089	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
27372	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
27646	TRNAS-CG	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
27741	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
28039	LOC119618	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
28486	KCTD4	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
28615	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
28882	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
28911	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
29054	LOC103241	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
29256	LOC119621	0.182471	-0.24999	4.047162	-0.06177	0.950747	NA	0	1.094824	0	0	0	0
21132	ZNF771	92.12298	-0.25001	0.290557	-0.86047	0.389533	0.490049	97.57555	106.1979	98.09812	60.26743	94.12087	96.47803
12789	MRPS17	2692.323	-0.25006	0.111569	-2.24129	0.025007	0.051983	2740.247	3234.656	2794.057	2544.625	2586.185	2254.169
21483	LOC119621	223.0239	-0.25028	0.310132	-0.80701	0.419659	0.519324	286.7637	195.426	249.7676	174.1059	115.512	316.5685
9649	ZDHHC20	6144.235	-0.25035	0.084963	-2.94653	0.003214	0.008854	6604.78	6965.268	6460.562	5618.264	5459.01	5757.527
11899	CDIN1	1413.37	-0.25035	0.103229	-2.42519	0.0153	0.034185	1545.488	1586.947	1477.038	1290.169	1244.962	1335.618
13192	CTDSP2	3694.615	-0.25039	0.115347	-2.17076	0.02995	0.060356	3642.278	4646.979	3752.775	3459.797	3326.317	3339.547
17184	TFCP2	1431.145	-0.25039	0.170325	-1.47007	0.141543	0.218979	1306.428	2042.393	1317.715	1283.473	1244.962	1391.897
15063	ZNF337	2809.88	-0.2504	0.137397	-1.82247	0.068384	0.120692	2760.304	3710.357	2691.785	2508.911	2417.195	2770.728
14389	RAB31	1056.92	-0.25045	0.128737	-1.94547	0.051719	0.095555	1066.826	1298.461	1083.254	944.1897	917.6785	1031.109
12740	LOC103211	3373.898	-0.25052	0.111324	-2.25037	0.024426	0.05097	3369.067	4084.24	3550.317	3020.068	2894.217	3325.477
19382	LOC119621	168.5528	-0.25057	0.223674	-1.12024	0.262613	0.360208						



12028	DOCK7	5225.957	-0.25089	0.104473	-2.40151	0.016328	0.036088	5562.89	6097.073	5385.657	4392.826	4663.261	5254.033
25105	LOC119621	6.536917	-0.25093	1.096148	-0.22892	0.818932	0.867176	10.84173	4.926706	4.87012	11.16063	6.417332	1.004979
20037	NR2F1	139.3633	-0.25096	0.245614	-1.02175	0.306898	0.407191	123.5957	165.3184	164.1926	129.4634	139.0422	114.5677
15202	DPM1	1436.38	-0.25118	0.139859	-1.79592	0.072507	0.126799	1386.657	1885.286	1409.552	1341.508	1321.97	1273.309
14024	RBM19	3143.355	-0.25128	0.125115	-2.00843	0.044598	0.084534	3206.441	3986.8	3059.827	2841.498	2663.193	3102.372
15584	PFN1	13911.15	-0.25133	0.145103	-1.73204	0.083266	0.142048	13044.77	19392.61	12921.82	12709.73	12552.3	12845.65
17660	RNASEH2C	1895.854	-0.2514	0.180254	-1.39472	0.1631	0.245528	2302.783	1393.71	2487.24	1712.041	1666.367	1812.983
14094	LOC103246	1170.684	-0.25146	0.125973	-1.99611	0.045922	0.086621	1398.583	1146.828	1275.971	977.6716	1082.39	1142.662
22029	LOC119621	92.73388	-0.25161	0.34908	-0.72078	0.471045	0.568466	82.93921	102.9134	113.4042	109.3742	100.5382	47.23404
25287	LOC103221	3.921935	-0.25163	1.254658	-0.20055	0.841047	0.884219	5.420864	4.926706	2.782925	2.232127	2.139111	6.029877
15910	TSPAN31	1723.869	-0.25168	0.14958	-1.68257	0.092458	0.154494	2125.521	1434.766	2062.148	1549.096	1580.803	1590.883
19061	LOC103246	222.0873	-0.25169	0.214166	-1.17523	0.239903	0.334601	202.7403	279.7274	241.4188	234.3733	173.268	200.9959
23294	LOC119621	32.32251	-0.25183	0.489085	-0.5149	0.606621	0.692327	44.99317	24.63353	36.17803	35.71403	19.252	33.16432
13068	CRK	7175.575	-0.25188	0.114832	-2.1935	0.028271	0.057514	8520.514	6903.41	7984.909	6316.919	6036.57	7291.126
21995	NPFF	60.00352	-0.25193	0.345818	-0.7285	0.466307	0.563617	73.72375	52.00412	69.57314	53.57105	59.8951	51.25395
17235	LOC103231	519.4883	-0.25205	0.172408	-1.46193	0.143762	0.221752	608.2209	481.175	609.4607	479.9073	391.4573	546.7088
13318	NOL7	1354.847	-0.25208	0.117589	-2.14376	0.032052	0.063992	1405.088	1647.162	1366.416	1258.92	1204.319	1247.18
12975	BET1	1158.942	-0.25211	0.114418	-2.20796	0.027247	0.055827	1261.435	1164.345	1353.198	1091.51	1046.025	1037.139
18427	CUNH14orf	199.7258	-0.25216	0.200051	-1.26047	0.2075	0.299364	199.4878	219.5121	230.9828	203.1236	175.4071	169.8415
20075	CPLANE2	207.9587	-0.25228	0.248151	-1.01662	0.309334	0.409647	277.5482	157.6546	244.2017	167.4095	198.9373	202.0009
19302	BCAS4	325.4255	-0.25228	0.222186	-1.13546	0.256182	0.352844	400.0597	244.6931	418.1346	303.5693	269.5279	316.5685
16951	ZNF93	597.4588	-0.25229	0.168279	-1.49922	0.133818	0.209866	565.9382	794.2945	585.8058	549.1032	586.1163	503.4947
21949	NKPD1	59.43993	-0.25229	0.342651	-0.73629	0.461554	0.559042	67.21871	56.93083	69.57314	64.73168	44.92132	53.26391
12511	NIBAN1	6636.788	-0.25232	0.109748	-2.29911	0.021499	0.045683	6785.837	8221.578	6643.539	5857.101	5886.833	6425.839
12449	AP2B1	9782.983	-0.25236	0.109188	-2.31122	0.020821	0.044463	10273.62	11504.95	10140.28	8294.584	8370.34	10114.11
11132	PRRC2A	13224.17	-0.25244	0.09725	-2.59579	0.009437	0.022538	13803.15	15346.14	13993.25	11852.59	11206.8	13143.12
11817	DPP8	4188.516	-0.25254	0.10332	-2.44428	0.014514	0.032653	4474.923	4990.206	4200.13	3580.332	3918.851	3966.654
13740	SOX12	1252.674	-0.25255	0.122481	-2.06196	0.039212	0.07587	1231.078	1506.477	1351.11	1165.17	1065.277	1196.931
20890	STARD6	97.68018	-0.25255	0.283379	-0.89122	0.372809	0.474423	109.5014	101.8186	105.7512	78.12444	115.512	75.37346
13557	MTERF4	977.4737	-0.25289	0.120549	-2.09782	0.035921	0.070441	1013.702	1154.492	1021.334	837.0476	934.7914	903.4765
13562	GNG5	3344.462	-0.25302	0.120665	-2.09688	0.036004	0.070577	3302.39	4227.114	3378.472	2984.354	3260.005	2914.44
22914	LOC119611	41.7436	-0.25314	0.438583	-0.57718	0.563818	0.654146	40.11439	38.86624	55.65851	44.64254	47.06043	24.11951
14453	MRPL28	2224.578	-0.25342	0.131041	-1.93391	0.053124	0.097717	2677.907	2049.51	2534.549	2111.592	1801.131	2172.766
12586	TMEM69	1717.393	-0.25345	0.11084	-2.2866	0.032219	0.046932	1816.531	2059.363	1726.805	1526.775	1617.168	1557.718
17709	LDOC1	1358.189	-0.25346	0.183243	-1.38317	0.166614	0.250135	1137.839	2001.885	1291.973	1216.509	1240.684	1260.244
12694	TTBK2	1950.585	-0.25356	0.112109	-2.26169	0.023716	0.049669	2121.184	2312.815	1934.829	1720.97	1711.289	1902.426
12344	RSPRY1	3300.449	-0.25384	0.108677	-2.33571	0.019507	0.042011	3385.329	4033.33	3354.121	2868.283	3031.12	3130.511
11903	P DPR	1795.957	-0.25386	0.104733	-2.42385	0.015357	0.034296	1977.531	2052.794	1834.644	1584.81	1589.359	1736.605
20451	LOC103221	174.0878	-0.25392	0.266192	-0.9539	0.340135	0.442136	226.05	126.9995	214.2853	151.7846	179.6853	145.722
17613	ACTR5	388.7836	-0.25392	0.181244	-1.40099	0.161217	0.24309	462.3997	341.585	467.5315	345.9797	327.2839	387.9221
15825	TMEM131	2050.18	-0.25414	0.149954	-1.6948	0.090113	0.151384	1916.817	2808.223	1966.137	1779.005	1929.478	1901.421
12701	ZNF275	2073.259	-0.25421	0.112543	-2.25878	0.023897	0.05002	2165.093	2473.207	2133.808	1810.255	1798.992	2058.198
13491	LOC103221	11389.48	-0.25426	0.120593	-2.10839	0.034997	0.068953	11153.43	14422.11	11602.02	9859.305	9829.214	11470.84
14838	TMUB2	1056.647	-0.25439	0.136466	-1.86416	0.062299	0.11162	1231.078	1028.587	1195.266	944.1897	851.366	1089.398
17161	ZNF79	283.6103	-0.25455	0.172818	-1.47294	0.140767	0.218081	329.5885	303.2661	294.9901	236.6055	258.8324	278.3793
21894	LOC103231	62.47709	-0.25461	0.341751	-0.74502	0.45626	0.554019	67.7608	81.01695	54.96278	62.49956	51.33866	57.28383
14871	CLIP1	9647.796	-0.25462	0.136947	-1.85928	0.062988	0.112604	9340.69	13095.73	9055.64	8544.582	8716.876	9133.253
13926	SPOUT1	727.1622	-0.25464	0.125625	-2.027	0.042663	0.081448	811.5033	755.9757	809.1356	674.1023	611.7857	700.4707
12100	R FWD3	2417.189	-0.25503	0.106864	-2.38648	0.017011	0.037374	2555.937	2837.783	2501.85	2218.734	2032.155	2356.677
13355	FXR1	9571.63	-0.25546	0.11961	-2.13576	0.032699	0.065091	9533.673	12372.6	9345.76	8533.421	8620.616	9023.711
14627	IFNGR2	1758.189	-0.25557	0.134384	-1.90178	0.0572	0.103962	2154.793	1655.921	1936.22	1506.686	1484.543	1810.973
12404	FANCG	2471.682	-0.25559	0.110145	-2.32051	0.020314	0.043537	2840.533	2536.159	2701.525	2160.699	2087.772	2503.404
16215	NIPBL	4869.145	-0.25561	0.15725	-1.62553	0.10405	0.170625	4400.657	6939.54	4559.128	4308.005	4359.508	4648.03
11109	NDUFS1	6390.462	-0.25574	0.098251	-2.60292	0.009243	0.022118	7316.54	6547.045	7010.885	5470.943	5657.948	6339.41
13174	CMSTR1	3119.261	-0.25579	0.117616	-2.17476	0.029648	0.05983	3693.777	3074.812	3424.39	2723.195	2607.576	3191.815
12609	COP56	2460.484	-0.25583	0.112171	-2.28069	0.022567	0.047576	2691.459	2745.27	2606.905	2062.485	2109.163	2547.623
12276	UBE2J2	1269.73	-0.25584	0.108876	-2.34985	0.018781	0.040673	1353.048	1450.094	1346.24	1165.17	1088.807	1215.02
15893	WDR90	4408.567	-0.25587	0.151782	-1.68575	0.091844	0.153632	5325.999	3636.457	5437.836	3939.704	3632.21	4479.193
13302	TRAM1	11651.5	-0.25588	0.119214	-2.14637	0.031844	0.063642	11655.4	15099.26	11291.02	10528.94	10680.58	10653.79
13619	HDGF	15279.84	-0.25591	0.122696	-2.08574	0.037002	0.072231	15055.91	19809.19	15032.67	13836.96	13080.66	14863.65
19986	LOC119611	341.3105	-0.25623	0.248396	-1.03155	0.302284	0.402093	424.9957	272.0637	423.0047	256.6946	245.9977	425.1063
11217	RBM15B	2699.841	-0.25635	0.099448	-2.57772	0.009945	0.023572	3003.158	2980.11	2840.671	2417.394	2299.544	2658.171
13035	FECH	2206.974	-0.25668	0.116766	-2.19827	0.02793	0.056964	2611.23	2177.057	2426.015	1993.289	1835.357	2198.895
22065	LOC119611	62.92052	-0.25674	0.359355	-0.71445	0.474949	0.572242	72.63957	72.80577	59.13717	42.41041	81.28621	49.24399
18859	SMIM26	860.5988	-0.25682	0.212074	-1.21101	0.225892	0.318436	1034.301	591.2048	1186.918	812.4942	716.6021	822.0732
11950	GPD1L	1616.662	-0.25684	0.106388	-2.41418	0.01577	0.035084	1836.047	1736.938	1713.586	1410.704	1411.813	1590.883
15884	ANKRD13B	601.3901	-0.25697	0.152305	-1.68721	0.091564	0.15325	585.4533	749.9542	632.4198	535.7105	504.8301	599.9727
25626	LOC103221	1.931101	-0.25699	1.761594	-0.14589	0.884012	0.917061	0.542086	2.189647	3.478657	2.232127	2.139111	1.004979
11029	EPG5	3525.961	-0.25702	0.097969	-2.6235	0.008703	0.020979	3802.194	3995.559	3726.337	3205.334	2971.225	3455.119
11493	DCAF8	7640.348	-0.25741	0.102251	-2.51739	0.011823	0.027348	8019.626	9053.097	7894.464	6848.166	6462.253	7564.48
13056	TULP3	1687.408	-0.25767	0.117365	-2.19547								



16362	LOC119621	432.5122	-0.25854	0.162128	-1.59468	0.110785	0.179973	458.6051	511.2826	439.0065	399.5507	444.935	341.693
14623	FAM111A	669.4445	-0.25857	0.135858	-1.90321	0.057013	0.103651	701.4598	810.7169	674.8594	587.0494	639.5941	602.9877
10802	TNPO3	4818.783	-0.2586	0.096847	-2.67016	0.007582	0.018658	5329.793	5279.24	5148.412	4236.577	4102.814	4815.862
14329	WDR83O5	3448.288	-0.25868	0.132235	-1.95623	0.050438	0.093579	4207.132	3194.148	3873.832	3212.031	2727.366	3475.219
13885	CYREN	1179.938	-0.25868	0.127239	-2.03304	0.042048	0.080508	1361.721	1204.306	1297.539	1029.011	969.0171	1218.035
20937	LOC103221	126.6566	-0.25876	0.292021	-0.88609	0.375566	0.47673	157.205	95.24966	161.4097	138.3919	94.12087	113.5627
23682	LOC103231	19.83256	-0.25881	0.567313	-0.45621	0.648241	0.727694	23.8518	17.51718	23.65487	15.62489	19.252	19.09461
10069	STARD4	5032.015	-0.259	0.091007	-2.84597	0.004428	0.01169	5349.308	5849.095	5249.293	4703.092	4419.403	4621.901
21074	LOC103241	77.88931	-0.25904	0.298038	-0.86916	0.38476	0.485355	85.64965	81.01695	86.96642	66.96381	83.42532	63.31371
14674	ELP6	642.4247	-0.25919	0.136896	-1.89338	0.058308	0.105637	744.8267	654.7045	704.7759	531.2462	581.8381	637.157
12419	GGA3	1938.722	-0.2592	0.111869	-2.31697	0.020506	0.043896	1995.42	2249.315	2097.63	1801.326	1587.22	1901.421
13710	LOC119611	732.2476	-0.25921	0.125409	-2.06692	0.038742	0.075124	789.2778	826.0444	782.6978	642.8526	631.0376	721.5753
14441	ARL15	541.3818	-0.25923	0.133876	-1.93637	0.052822	0.097246	599.0054	585.7306	581.6314	520.0856	500.5519	461.2856
24154	LOC103231	15.20542	-0.25933	0.678509	-0.3822	0.70231	0.772994	12.46799	22.44388	14.61036	20.08914	8.556443	13.06473
12861	HDGFL2	2669.593	-0.25937	0.116494	-2.2265	0.025981	0.053705	2594.967	3293.777	2840.671	2457.572	2290.988	2539.583
14957	DCUN1D2	689.2282	-0.25938	0.140672	-1.84389	0.065199	0.115887	846.1968	662.3683	743.0411	636.1562	639.5941	608.0126
12294	ELFN2	1858.602	-0.25941	0.11059	-2.34571	0.018991	0.041067	1870.74	2168.846	2039.884	1729.898	1559.412	1782.834
11794	LOC103231	4494.854	-0.25954	0.105912	-2.4505	0.014266	0.032156	5282.09	4293.898	5117.104	4158.453	4100.675	4016.903
15926	ZNF19	353.1656	-0.25955	0.15451	-1.67985	0.092987	0.155212	382.1709	399.0632	374.9992	319.1942	305.8928	337.6731
18875	SLC9A3R2	261.5202	-0.25964	0.215074	-1.20721	0.227351	0.320219	325.2518	214.038	316.5578	249.9982	216.0502	247.2249
10601	CS	10718.52	-0.25981	0.095454	-2.72183	0.006492	0.016281	11261.3	12727.32	11059.35	9627.164	9332.94	10303.05
15912	ERO1B	368.8198	-0.26034	0.154753	-1.68232	0.092507	0.154547	397.3493	425.8864	382.6523	354.9082	314.4493	337.6731
13025	INO80	2862.221	-0.26044	0.118387	-2.19989	0.027814	0.056771	2990.148	3567.483	2805.189	2591.499	2449.282	2769.723
12809	THAP5	962.8858	-0.2607	0.116536	-2.23703	0.025284	0.052477	1071.163	1001.764	1072.122	881.6902	930.5131	820.0632
23018	LOC119621	32.75289	-0.26072	0.466228	-0.5592	0.576023	0.665272	39.03022	26.82318	41.04815	37.94616	23.53022	28.13943
18761	PXMP2	199.8984	-0.26073	0.21315	-1.22322	0.221248	0.313516	241.2284	192.1415	222.634	187.4987	151.8769	204.0108
19768	SPATA33	113.0513	-0.26094	0.246631	-1.05801	0.290052	0.390076	120.8853	122.6202	125.2316	107.1421	106.9555	95.47305
18423	LOC103231	259.4659	-0.26099	0.20691	-1.26139	0.207169	0.298952	285.6795	304.361	253.942	245.534	282.3626	184.9162
11486	ECPAS	12968.53	-0.26102	0.10357	-2.52024	0.011728	0.027144	14151.16	15439.75	12829.98	11705.27	10980.06	12704.95
22838	TNFSF13B	37.83409	-0.26107	0.444465	-0.58737	0.556952	0.648331	33.60935	53.64636	37.56949	29.01765	29.94755	43.21412
20239	EXOG	120.6555	-0.26113	0.263963	-0.98927	0.322532	0.423662	156.1209	104.5557	134.2762	111.6063	104.8164	112.5577
22470	GLT1D1	43.32632	-0.26116	0.404844	-0.64509	0.51887	0.613892	51.49821	44.34036	45.22254	31.24978	53.47777	34.1693
15353	TUT1	603.1692	-0.26133	0.147785	-1.76828	0.077014	0.13333	676.5238	608.7219	692.9484	546.8711	474.8826	619.0674
11929	KHLH15	1213.133	-0.26138	0.108056	-2.41893	0.015566	0.034691	1339.495	1337.327	1296.148	1064.725	1065.277	1175.826
9734	PPIP5K2	3311.049	-0.26147	0.089529	-2.92053	0.003494	0.009544	3686.187	3672.038	3475.178	2901.765	3041.815	3089.307
16380	CEP63	1584.675	-0.26151	0.1643	-1.59164	0.111465	0.18091	1485.317	2251.505	1446.426	1419.633	1461.013	1444.155
10901	PARP6	2729.743	-0.26156	0.098685	-2.65044	0.008039	0.019605	2999.364	3099.446	2836.497	2428.554	2359.439	2655.156
25674	LOC119621	2.286074	-0.2616	1.880761	-0.13909	0.889377	0.920897	5.96295	0.547412	0.695731	2.232127	4.278221	0
15098	TRAPPC6B	1030.921	-0.26164	0.144026	-1.8166	0.069278	0.121986	1024.543	1308.862	1033.857	973.2074	1013.938	831.118
16326	MVB12A	844.1091	-0.26166	0.163501	-1.60038	0.109513	0.17833	1008.823	744.4801	1013.681	712.0485	695.211	890.4118
9788	SLC39A9	6172.644	-0.26168	0.090006	-2.90731	0.003646	0.009901	6591.77	6945.561	6663.019	5464.247	5358.472	6012.792
16401	CUNH11or	392.2201	-0.26173	0.164803	-1.58814	0.112255	0.181958	431.5008	383.7357	471.7059	325.8905	346.5359	393.952
12778	SPOPL	1404.027	-0.26184	0.116714	-2.24347	0.024866	0.051735	1426.771	1713.399	1451.991	1272.312	1298.44	1261.249
11423	NUP93	3878.866	-0.26187	0.103451	-2.53132	0.011364	0.026447	4508.532	4037.71	4150.733	3482.118	3245.031	3849.071
11857	ABI2	3355.389	-0.26195	0.107605	-2.43439	0.014917	0.033443	3484.531	4072.196	3424.39	2868.283	3076.041	3206.889
13608	PPFIBP1	1473.614	-0.26196	0.125455	-2.08808	0.03679	0.071875	1580.724	1805.364	1438.772	1236.598	1339.083	1441.141
14449	CEP152	1665.37	-0.26214	0.135505	-1.93451	0.05305	0.097608	1672.879	2147.497	1628.707	1611.596	1381.865	1549.678
10393	PPP4R1	6749.979	-0.26217	0.094729	-2.76758	0.005647	0.014446	7588.125	7375.827	7128.464	6098.171	5664.365	6644.924
13851	PHLPP1	833.7069	-0.2622	0.128535	-2.03988	0.041362	0.079392	907.4526	943.738	882.8831	712.0485	705.9065	850.2126
22853	LOC119611	40.94179	-0.26226	0.448234	-0.5851	0.55848	0.649682	48.78777	27.37059	58.44144	33.4819	36.36488	41.20416
15228	LOC103231	2939.045	-0.26234	0.146512	-1.79056	0.073364	0.128078	3484.531	2442.552	3689.463	2787.927	2594.741	2635.056
13599	RAD23B	9883.909	-0.26257	0.125663	-2.08944	0.036668	0.071683	9854.046	13028.4	9461.251	8772.259	8911.535	9275.961
11953	ENO1	89785.04	-0.26258	0.108791	-2.41362	0.015795	0.03513	105650.5	90805.77	97352.99	79419.08	73405.72	92076.22
14161	LOC119621	7406.684	-0.26261	0.132444	-1.98277	0.047393	0.088972	9012.186	6602.881	8627.765	6591.471	6098.605	7507.197
16219	UBALD2	625.062	-0.26269	0.161723	-1.62431	0.10431	0.170977	582.2008	824.9496	639.3771	551.3354	562.5861	589.9229
13534	LOC103231	834.4395	-0.26289	0.12512	-2.10109	0.035633	0.069995	952.4458	838.0875	944.1075	738.834	725.1585	808.0035
12481	CHD2	10384.82	-0.26291	0.114122	-2.30379	0.021234	0.04523	10519.19	13257.22	10209.86	9225.381	9448.452	9648.808
15173	LIN52	570.5076	-0.26307	0.146023	-1.80157	0.071613	0.125476	661.8875	599.4159	600.4162	537.9426	571.1425	452.2408
12579	ZCHC14	2058.225	-0.2632	0.115019	-2.28831	0.02212	0.046748	2059.386	2434.34	2248.604	1848.201	1717.706	2041.113
12464	PFKM	3711.549	-0.26328	0.114098	-2.30753	0.021025	0.044845	4325.307	3853.232	3978.888	3124.978	3133.797	3853.091
12300	LOC103231	1528.611	-0.26333	0.112314	-2.34462	0.019046	0.041167	1587.771	1847.515	1566.787	1388.383	1405.396	1375.817
10290	IL6ST	39804.28	-0.26333	0.09437	-2.79046	0.005263	0.013598	41676.14	47405.86	41204.69	34928.32	35154.14	38456.54
12284	TMEM38B	941.6072	-0.2634	0.11218	-2.34799	0.018875	0.040849	1053.816	1026.397	999.766	892.8508	840.6705	836.1429
10753	GADD45G1	1873.797	-0.26348	0.098366	-2.67861	0.007393	0.018278	1968.858	2154.613	2010.664	1718.738	1666.367	1723.54
22463	LOC119621	38.52441	-0.26348	0.407367	-0.6468	0.517762	0.612772	39.03022	44.34036	42.43961	37.94616	34.22577	33.16432
12720	SENPG	2798.226	-0.26359	0.116947	-2.25391	0.024202	0.050582	2859.506	3514.931	2784.317	2453.108	2643.941	2533.553
22845	LOC103211	39.39247	-0.26367	0.449815	-0.58616	0.557765	0.649078	49.32986	50.9093	29.91645	29.01765	29.94755	47.23404
15283	PSRC1	492.6731	-0.2638	0.147965	-1.78286	0.074609	0.129783	498.7195	595.5841	516.2327	448.6575	472.7435	424.1013
10248	ZNF451	2255.559	-0.26385	0.094128	-2.8031	0.005061	0.01313	2424.752	2566.267	2394.707	1993.289	2059.964	2094.377
10366	AUP1	3559.272	-0.26389	0.095183	-2.77247	0.005563	0.014268	3754.49	4161.972	3738.165	3243.281	3108.128	3349.597
13374	SRSF9	3264.056</											



15358	RAD51D	535.2683	-0.26445	0.149608	-1.76758	0.077131	0.133515	612.0155	544.6748	601.1119	470.9788	432.1004	550.7287
23453	LOC119615	24.5677	-0.26452	0.537682	-0.49195	0.622752	0.705916	28.73058	18.612	32.69937	29.01765	19.252	19.09461
18114	LOC10324	270.8708	-0.26465	0.200658	-1.31888	0.187208	0.274756	266.1644	354.7229	267.8566	252.2303	213.9111	270.3395
12406	RPP30	917.0129	-0.2647	0.11415	-2.31891	0.0204	0.043707	987.1393	1032.966	979.5898	834.8155	870.618	796.9487
10788	KHDC4	2199.484	-0.26485	0.099088	-2.67288	0.00752	0.018532	2355.365	2555.866	2293.826	1928.558	2000.068	2063.223
12054	SCO1	1755.742	-0.265	0.110579	-2.39645	0.016555	0.036512	1922.78	2065.385	1764.375	1609.364	1495.238	1677.311
24217	LOC103215	17.53673	-0.2651	0.714317	-0.37112	0.710545	0.780002	26.56223	6.02153	25.04633	13.39276	17.11289	17.08465
24648	TTC36	8.950992	-0.26528	0.862778	-0.30748	0.75848	0.818086	7.589209	8.758589	12.52316	13.39276	6.417332	5.024897
12271	ARL6IP1	9657.732	-0.26539	0.112911	-2.35043	0.018752	0.040626	11562.16	8986.312	11086.48	8569.135	8462.322	9279.98
19054	LOC119618	194.6447	-0.26555	0.22571	-1.17651	0.23939	0.334008	178.8885	248.525	207.3279	189.7308	194.6591	148.737
13876	EEFSEC	752.3287	-0.2657	0.130568	-2.03498	0.041853	0.080186	810.4191	862.1736	797.3082	636.1562	648.1505	759.7645
18936	SPATA24	167.461	-0.26594	0.221987	-1.19798	0.230925	0.324205	195.1511	170.2451	185.0645	122.767	164.7115	166.8266
15100	MYOF	19867.31	-0.26594	0.146526	-1.81496	0.069529	0.122413	18055.27	27639.92	19387.25	17803.44	16911.81	19406.15
18261	MAST1	205.0637	-0.266	0.205969	-1.29144	0.196552	0.286148	214.1241	215.6803	242.1145	216.5163	154.016	187.9312
14034	CUNH1orf	715.2217	-0.26601	0.13254	-2.00703	0.044747	0.08477	736.6954	866.0055	738.171	676.3345	646.0114	628.1122
22536	LOC103216	38.8618	-0.26602	0.41885	-0.63513	0.525343	0.61973	47.7036	42.15071	37.56949	26.78552	42.78221	36.17926
25920	LOC119624	1.186139	-0.26609	2.637666	-0.10088	0.919644	0.94322	2.710432	0	1.391463	0	0	3.014938
24052	LOC119618	16.37418	-0.26627	0.668805	-0.39812	0.69054	0.763263	17.88885	11.49565	23.65487	22.32127	12.83466	10.04979
15134	DSN1	1915.535	-0.2663	0.147211	-1.80896	0.070457	0.123767	2425.294	1616.507	2234.689	1714.274	1732.68	1769.769
11445	FXR2	4093.84	-0.26638	0.105411	-2.52711	0.011501	0.026714	4292.24	4937.655	4186.911	3683.01	3499.585	3963.639
13301	MTMR12	1458.274	-0.26644	0.124093	-2.14712	0.031784	0.063527	1567.172	1737.485	1478.429	1323.651	1178.65	1464.255
11046	LOC10324	2912.6	-0.2665	0.101865	-2.61619	0.008892	0.021398	3154.943	3383.552	3009.734	2602.66	2485.647	2839.067
15521	LOC11962	471.4464	-0.26672	0.153394	-1.73878	0.082074	0.140579	509.5612	550.6963	480.7504	415.1756	485.5781	386.9171
10583	CDC16	2721.116	-0.26689	0.097892	-2.72636	0.006404	0.016087	3010.206	3092.329	2819.104	2395.072	2382.969	2627.016
13505	PITPNC1	2974.334	-0.2673	0.126904	-2.10633	0.035175	0.069244	3045.441	3850.495	2853.194	2587.035	2688.862	2820.977
11831	PYGO2	2839.548	-0.26759	0.109583	-2.44189	0.014611	0.032831	3313.774	2781.399	3216.366	2555.785	2419.334	2750.629
17084	MPHOSPH	1626.664	-0.26766	0.180371	-1.48393	0.137828	0.214478	1424.061	2417.371	1488.865	1466.507	1523.047	1440.136
14072	LOC10322	3389.05	-0.26769	0.133884	-1.99942	0.045563	0.086078	3901.396	2959.856	4248.136	3118.281	2969.086	3137.546
23495	LOC11962	22.13618	-0.26774	0.551472	-0.4855	0.627318	0.709821	20.0572	30.10765	22.2634	15.62489	25.66933	19.09461
20165	IL12A	102.0042	-0.26777	0.267424	-1.00127	0.316694	0.417521	110.5856	125.9047	97.40239	89.28508	98.39909	90.44815
12939	LOC10323	987.7592	-0.26777	0.120872	-2.21529	0.02674	0.054942	1168.196	1022.565	1050.554	874.9938	853.5052	956.7405
24993	LOC10324	5.812826	-0.26789	1.085401	-0.24681	0.805054	0.856335	8.673382	2.737059	7.653045	2.232127	8.556443	5.024897
24503	LOC11962	13.05421	-0.26803	0.811494	-0.33029	0.741184	0.804063	14.63633	14.78012	12.52316	6.696381	25.66933	4.019918
11452	MYO9B	4147.907	-0.2681	0.106121	-2.52639	0.011524	0.026754	4600.145	4604.281	4401.892	3600.421	3439.629	4241.013
13944	FBXL17	815.496	-0.26816	0.132452	-2.02458	0.042911	0.081811	906.3684	961.2551	807.7441	667.406	774.3581	775.8442
10909	FLNC	25897.54	-0.26826	0.101261	-2.64916	0.008069	0.019664	27974.37	28587.49	28344.1	22778.86	21207.14	26493.27
15805	RASA4B	397.8287	-0.26838	0.157871	-1.70001	0.089129	0.149921	429.8745	393.5891	481.4461	374.9973	342.2577	364.8075
13178	N4BP1	2062.302	-0.2684	0.123456	-2.17406	0.029701	0.059913	2070.77	2631.956	2057.973	1828.112	1901.669	1883.332
11315	TMEM185I	2079.408	-0.26855	0.105118	-2.5547	0.010628	0.024971	2437.762	2163.919	2220.775	1805.791	1833.218	2014.984
16882	CHAC2	486.9309	-0.26859	0.177952	-1.50935	0.13121	0.206612	568.1065	441.7613	583.7186	410.7114	528.3603	388.9271
11970	CUX1	5246.544	-0.26859	0.111362	-2.41189	0.01587	0.035248	5339.009	6470.408	5396.788	4595.949	4513.524	5163.585
11914	PPP4R3B	5413.342	-0.26878	0.110992	-2.42164	0.015451	0.034477	5489.709	6803.234	5457.317	4839.251	4819.416	5071.126
11969	ZSCAN29	2256.682	-0.26893	0.111504	-2.41188	0.01587	0.035248	2407.948	2736.512	2258.344	1986.593	1982.956	2167.741
19481	LOC10323	156.2992	-0.26894	0.243684	-1.10363	0.269755	0.368124	184.3094	183.383	142.6249	129.4634	175.4071	122.6075
12269	EEF1AKNN	1232.793	-0.26895	0.1144	-2.35099	0.018724	0.040571	1455.502	1306.125	1284.32	1084.814	1078.112	1187.886
11661	LOC11962C	1250.408	-0.26916	0.108579	-2.47893	0.013178	0.030042	1418.098	1352.655	1333.021	1140.617	1063.138	1194.921
11920	NUP153	4489.068	-0.26921	0.111242	-2.42004	0.015519	0.034611	4679.29	5553.493	4491.642	3939.704	3916.712	4353.571
24275	TGM1	11.61201	-0.26921	0.737215	-0.36518	0.71498	0.782985	12.46799	12.04306	13.2189	8.928508	14.97377	8.039836
11767	TBC1D31	3095.249	-0.26924	0.109664	-2.45511	0.014084	0.03182	3194.515	3795.206	3157.229	2973.193	2718.81	2732.539
26003	LOC11962	0.75902	-0.26942	3.118944	-0.08638	0.931162	0.952004	1.626259	0	0.695731	2.232127	0	0
10271	RRN3	3790.979	-0.26955	0.096422	-2.79552	0.005182	0.013412	4128.53	4421.445	3886.355	3383.905	3317.761	3607.876
18277	SBK1	181.3784	-0.26973	0.209359	-1.28835	0.197624	0.287456	187.5619	204.1846	205.9365	151.7846	151.8769	186.9262
14999	LOC119615	704.3834	-0.2698	0.147071	-1.83445	0.066587	0.118023	685.1972	902.1347	723.5606	618.2992	643.8723	653.2367
12407	LOC103216	3775.413	-0.26981	0.116354	-2.31891	0.0204	0.043707	3890.012	4776.715	3717.293	3301.316	3422.577	3544.563
14401	CDP41	837.6721	-0.27	0.138963	-1.94296	0.052021	0.096028	864.0857	1057.052	827.9203	761.1553	720.8803	794.9388
12417	CEK8	1520.342	-0.27001	0.11653	-2.31709	0.020499	0.043888	1557.414	1859.011	1568.874	1339.276	1441.761	1355.717
24603	LOC119615	9.483178	-0.27005	0.855738	-0.31557	0.752326	0.8129	9.757555	6.568942	15.30609	8.928508	4.278221	12.05975
15829	RPL39L	1260.957	-0.27008	0.159446	-1.69385	0.090293	0.151649	1439.781	1058.694	1635.664	1158.474	1212.876	1060.253
14272	SLC25A14	575.054	-0.2702	0.137441	-1.96594	0.049305	0.09183	620.1468	600.5108	662.3363	520.0856	566.8643	480.3802
12292	PHF2	2031.922	-0.27033	0.115225	-2.3461	0.018971	0.041031	2154.793	2319.931	2197.12	1874.987	1608.611	2036.088
8681	RTF2	3665.78	-0.27036	0.084266	-3.20838	0.001335	0.004088	3961.567	4026.761	4037.329	3270.066	3358.404	3340.552
11752	NKIRAS2	2018.747	-0.27052	0.11004	-2.45842	0.013955	0.031569	2173.224	2404.78	2048.929	1783.469	1743.375	1958.705
19172	MEIS2	155.4187	-0.27068	0.233878	-1.15737	0.247121	0.342664	151.2421	185.5726	170.4542	145.0883	162.5724	117.5826
11331	MTHFD1	6319.792	-0.27071	0.106124	-2.55086	0.010746	0.025212	6374.936	7742.593	6619.884	5658.442	5439.758	6083.141
9913	LOC11962	2052.947	-0.27072	0.093959	-2.8813	0.00396	0.010621	2210.628	2317.742	2206.86	1895.076	1816.105	1871.272
12006	EML2	1727.932	-0.27076	0.112593	-2.40478	0.016182	0.035832	2024.693	1806.459	1844.384	1468.74	1503.795	1719.52
11854	HNRNP1	34408.2	-0.2708	0.11121	-2.43501	0.014892	0.033397	35090.33	43714.67	34081.79	30370.32	30527.25	32664.85
22964	LOC11962	31.27782	-0.2708	0.475748	-0.56921	0.569216	0.65897	30.35684	32.84471	40.35242	17.85702	32.08666	34.1693
14291	GEMIN6	521.0591	-0.27086	0.137944	-1.96351	0.049587	0.092245	545.881	573.1402	587.1973	488.8358	494.1346	437.1661
10913	CDKN1B	2658.414	-0.27108	0.102333	-2.64896	0.008074	0.019669	2755.425	3092.877	2867.805	2468.732	2530.568	2235.074
13630	SRSF8	1514.079	-0.27129	0.130236	-2.0831	0.037242							



23013	LOC119621	31.16827	-0.27164	0.484937	-0.56015	0.575375	0.664654	40.65648	35.58177	25.04633	37.94616	25.66933	22.10955
20154	LTB4R2	102.7615	-0.27174	0.270937	-1.00298	0.315869	0.416661	105.1648	124.2625	106.4469	87.05295	111.2338	82.40832
14889	LOC119621	468.6239	-0.27193	0.146468	-1.8566	0.063368	0.11314	564.3119	480.6276	493.9693	417.4077	419.2657	436.1611
11162	MEA1	6024.427	-0.272	0.105063	-2.58889	0.009629	0.022931	6122.323	7459.033	6188.531	5584.782	5433.341	5358.551
14064	TLL2	896.8951	-0.27201	0.135931	-2.00106	0.045386	0.085793	921.5468	1128.763	895.4063	787.9408	791.4709	856.2425
12993	RAVER1	1329.51	-0.27215	0.123462	-2.20433	0.027501	0.05627	1338.953	1606.654	1422.771	1196.42	1103.781	1308.483
11009	BBS2	2590.18	-0.27217	0.103601	-2.62715	0.00861	0.020793	2751.088	3074.812	2678.566	2372.751	2209.701	2454.16
20851	LOC119611	72.96694	-0.2724	0.303267	-0.89821	0.369075	0.47057	74.80792	87.03848	77.22618	66.96381	68.45154	63.31371
22649	TRNAA-AG	48.62627	-0.27243	0.442689	-0.6154	0.538289	0.631778	67.21871	31.74989	61.92009	44.64254	29.94755	56.27885
10677	STK25	3800.941	-0.27269	0.101083	-2.69773	0.006981	0.017383	4341.57	3936.986	4206.392	3379.44	3193.692	3747.568
11551	FAM53C	2302.117	-0.27287	0.108968	-2.50415	0.012274	0.02825	2609.604	2437.625	2518.548	2026.771	1901.669	2318.488
13017	UBB	32325.87	-0.27296	0.124029	-2.20082	0.027749	0.056672	39484.49	29005.16	37639.76	29075.69	27181.68	31568.42
11329	KCTD18	1258.353	-0.27311	0.107046	-2.55134	0.010731	0.025182	1420.266	1411.228	1301.713	1109.367	1133.729	1173.816
18921	LOC119621	198.6307	-0.27313	0.227651	-1.19979	0.23022	0.323477	196.7774	270.9688	182.9774	178.5702	194.6591	167.8316
20792	LOC119621	127.0546	-0.27315	0.301664	-0.90548	0.36521	0.466919	172.3835	119.3358	122.4487	111.6063	156.1551	80.39836
17443	ZC3H13	2104.246	-0.27339	0.19262	-1.4193	0.155811	0.237473	1805.69	3261.48	1841.601	1966.504	1824.661	1925.541
16099	SEMA3A	417.8323	-0.27343	0.166037	-1.6468	0.099599	0.164486	406.5648	523.3257	444.5723	343.7476	380.7617	408.0217
10497	FOSL2	20505.94	-0.27345	0.099616	-2.74502	0.006051	0.015324	21322.97	24586.45	21427.83	18133.8	17485.09	20079.49
21058	COL6A3	100.8487	-0.27347	0.313612	-0.87201	0.383204	0.483794	113.2961	103.4608	111.317	91.51721	126.2075	59.29379
10985	P3H4	2573.718	-0.2735	0.103871	-2.6331	0.008461	0.020477	2926.182	2770.451	2761.358	2308.019	2132.693	2543.603
14920	PPIE	1470.028	-0.27352	0.147795	-1.85067	0.064217	0.114417	1836.047	1280.396	1714.282	1283.473	1257.797	1448.175
11367	BAHCC1	1468.599	-0.27355	0.107475	-2.54523	0.010921	0.025544	1523.805	1608.296	1693.41	1357.133	1247.102	1381.847
24878	INSM2	6.329136	-0.27361	0.1013877	-0.26986	0.787268	0.841286	9.215468	4.926706	6.957314	6.696381	2.139111	8.039836
15324	ZNFA410	3208.113	-0.2737	0.154189	-1.7751	0.075881	0.131643	4069.984	2576.667	3887.747	2910.694	2943.416	2860.172
16406	FIZ1	410.9507	-0.274	0.172631	-1.58723	0.112461	0.182215	388.1338	511.83	446.6595	368.301	417.1266	333.6532
20753	LOC103221	85.27012	-0.27402	0.30094	-0.91055	0.36253	0.464437	84.02339	107.2927	87.66215	95.98146	66.31243	70.34856
12038	EDEM1	3633.88	-0.27411	0.114232	-2.39956	0.016415	0.036251	4084.079	3822.029	4038.721	3011.139	3052.511	3794.802
13273	RNF8	1400.287	-0.27414	0.127319	-2.15316	0.031306	0.062705	1391.536	1775.804	1431.119	1232.134	1304.858	1266.274
11069	LOC119611	5880.814	-0.27423	0.104995	-2.6118	0.009007	0.021634	6752.77	5725.38	6841.127	5312.462	5016.215	5636.93
13193	SULF2	23108.89	-0.27438	0.126419	-2.17038	0.029978	0.060409	22238.55	30677.51	22985.57	20651.64	20099.08	22001.01
12726	LOC119621	1218.572	-0.27442	0.12185	-2.25213	0.024314	0.050792	1244.63	1494.982	1265.535	1078.117	1067.416	1160.751
14334	IFTAP	490.5392	-0.27449	0.14039	-1.95517	0.050563	0.093779	536.6655	533.1791	538.4961	435.2648	485.5781	414.0515
15659	ZNFA1	726.0948	-0.27463	0.159341	-1.72355	0.084789	0.14395	716.6382	964.5396	704.7759	685.263	598.951	686.401
10734	SSBP1	4348.184	-0.27472	0.102345	-2.68428	0.007269	0.018003	4609.902	5216.287	4450.594	4069.167	4057.893	3685.26
23688	RPL6	31.97189	-0.27494	0.604234	-0.45502	0.649095	0.728459	16.80468	65.14201	22.2634	29.01765	38.50399	20.09959
22450	LOC103221	44.45978	-0.27496	0.423456	-0.64933	0.516122	0.611185	44.99317	64.59459	36.87376	29.01765	47.06043	44.2191
11665	TXN	24469.47	-0.275	0.110964	-2.47827	0.013202	0.030088	28842.79	22818.86	28718.4	22493.14	23068.17	20875.43
10876	MED27	1508.174	-0.27501	0.103583	-2.65493	0.007933	0.01939	1679.926	1655.373	1623.837	1357.133	1285.606	1447.17
13844	ROCK1	4878.984	-0.27501	0.134718	-2.04136	0.041215	0.079146	4796.38	6587.554	4644.007	4334.791	4427.959	4483.213
12344	LOC103231	1194.542	-0.27502	0.117416	-2.34226	0.019167	0.041367	1290.166	1407.943	1230.749	1022.314	1050.303	1165.776
10060	SMG1	10020.15	-0.27504	0.096538	-2.84908	0.004385	0.011587	10860.7	11772.09	10291.26	8613.778	8821.692	9761.366
12210	LOC103241	3232.457	-0.27514	0.116341	-2.36495	0.018032	0.039262	3794.605	3191.958	3640.762	2801.319	2688.862	3277.238
21679	TRNAS-GCI	58.49303	-0.27518	0.352778	-0.78003	0.435373	0.533898	63.96619	61.31012	68.87741	42.41041	47.06043	67.33362
11664	NKTR	4080.115	-0.2752	0.111042	-2.47832	0.0132	0.030087	4389.273	5054.801	3960.799	3582.564	3730.609	3762.643
14764	DISP1	832.0538	-0.27525	0.146497	-1.87886	0.060263	0.108514	862.4594	1071.832	796.6124	749.9947	797.8883	713.5354
10010	DDX39B	8512.37	-0.27529	0.096313	-2.85823	0.00426	0.011313	9838.868	8947.446	9187.133	7682.981	7097.569	8320.225
16979	LOC119611	1804.675	-0.2754	0.18407	-1.49615	0.134615	0.210785	2294.652	1314.336	2320.96	1694.184	1548.716	1655.201
14522	RXRβ	1730.891	-0.27549	0.143484	-1.92002	0.054855	0.100461	2056.676	1578.188	2057.973	1560.257	1360.474	1771.779
12731	SPRED2	2064.324	-0.27561	0.122412	-2.25152	0.024353	0.050847	2091.911	2618.271	2073.975	1772.309	1905.948	1923.531
11978	DHX16	2164.665	-0.27565	0.11438	-2.40999	0.015953	0.035407	2396.564	2455.142	2267.389	1986.593	1715.567	2166.736
13702	GAS8	946.7658	-0.27568	0.133325	-2.06772	0.038666	0.075017	1075.499	1127.668	910.7124	852.6725	791.4709	922.5712
25101	LHB	4.979542	-0.27569	1.198345	-0.23006	0.818048	0.866377	7.047123	6.02153	2.782925	4.464254	8.556443	1.004979
25300	LOC103221	3.969374	-0.2758	1.38904	-0.19856	0.842609	0.885336	3.794605	2.189647	7.653045	0	2.139111	8.039836
11706	CDC37	8023.295	-0.27582	0.111646	-2.47046	0.013494	0.030645	8211.524	10049.93	8106.662	7145.038	6860.128	7766.481
12111	HAUS8	968.9191	-0.27597	0.115745	-2.38427	0.017113	0.037566	1060.863	1105.224	1019.246	910.7078	815.0012	902.4716
12073	BCS1L	2028.228	-0.27597	0.115318	-2.39312	0.016706	0.036786	2251.285	2175.962	1215.821	1819.183	1612.889	2064.228
23847	LOC119621	19.00764	-0.276	0.64095	-0.4306	0.666756	0.74331	18.97302	30.10765	12.52316	17.85702	23.53022	11.05477
11125	SMARCA1	9745.249	-0.27603	0.106275	-2.5973	0.009396	0.022453	10178.21	12009.67	9841.12	8546.814	8455.904	9439.772
20662	LOC103231	78.39131	-0.27603	0.297728	-0.92713	0.35386	0.455296	94.86511	79.92212	83.48776	73.66019	62.03421	76.37844
12102	CNTROB	3153.637	-0.27624	0.115772	-2.38603	0.017031	0.037413	3339.794	3940.818	3084.873	2892.837	2703.836	2959.665
23486	LOC103211	21.70052	-0.27644	0.56787	-0.4868	0.626402	0.709057	19.51511	25.72836	27.13352	17.85702	12.83466	27.13445
14139	PRDM4	921.2767	-0.27653	0.139133	-1.98754	0.046863	0.088108	950.2774	1179.672	898.8849	821.4227	817.1403	860.2624
18117	JRKL	403.6648	-0.27659	0.209836	-1.31814	0.187456	0.275082	359.4033	591.7522	376.3907	343.7476	365.7879	384.9071
13313	NR2F6	847.4737	-0.27663	0.128995	-2.14447	0.031995	0.063896	953.5299	881.8804	954.5434	787.9408	673.8199	833.128
13146	MIGA1	924.1902	-0.27668	0.126827	-2.18153	0.029144	0.058937	994.1864	1100.845	937.8459	850.4404	892.0091	769.8143
16389	SCAF4	1352.218	-0.27671	0.174057	-1.58977	0.111887	0.181494	1220.236	1967.398	1255.795	1265.616	1204.319	1199.945
15594	MRPS18C	1106.01	-0.27686	0.160011	-1.73026	0.083585	0.142497	1278.24	928.4104	1427.641	1042.403	1009.66	949.7056
11303	ANKS1A	1629.76	-0.27687	0.108275	-2.55711	0.010555	0.024825	1797.016	1814.123	1753.243	1397.311	1396.839	1620.027
21085	LOC119621	95.04077	-0.27707	0.31943	-0.86738	0.385731	0.486349	120.3432	90.32295	101.5768	55.80317	119.7902	82.40832
12124	TBC1D12	1394.823	-0.2771	0.116436	-2.37987	0.017319	0.037976	1499.953	1690.955	1395.637	1218.741	1264.214	1299.438
14633	DHTKD1	524.3571	-0.27712	0.145778</									



16988	ZNF573	261.1813	-0.27745	0.185671	-1.49433	0.135089	0.211392	316.5784	285.2016	258.1163	209.8199	248.1368	249.2349
10175	CUNH6orf	2499.832	-0.27761	0.098441	-2.82008	0.004801	0.012544	2802.044	2552.581	2862.239	2234.359	2350.883	2196.885
22735	SHC4	36.91159	-0.27767	0.460225	-0.60333	0.54629	0.6388	41.19856	35.58177	43.13534	31.24978	49.19955	21.10457
16247	SLC25A10	1884.127	-0.27776	0.171691	-1.61778	0.10571	0.172974	2421.5	1536.585	2240.951	1747.755	1420.369	1937.6
23248	PRSS27	22.3002	-0.27792	0.531925	-0.52247	0.601341	0.687657	27.6464	23.53871	22.2634	17.85702	21.39111	21.10457
13951	HYPK	1958.157	-0.27793	0.137467	-2.02178	0.043199	0.082314	1866.403	2601.301	1968.92	1816.951	1781.879	1713.49
14110	SNED1	874.8746	-0.27807	0.13962	-1.9916	0.046415	0.087441	1064.658	822.76	992.8087	767.8517	752.967	848.2027
25248	LOC119621	3.863775	-0.27811	1.338403	-0.20779	0.835391	0.879628	1.084173	6.568942	4.87012	2.232127	6.417332	2.009959
22247	H1-6	42.68456	-0.27818	0.406149	-0.68492	0.493397	0.589605	41.19856	42.15071	56.35424	46.87467	36.36488	33.16432
11832	SLC25A29	1211.787	-0.27821	0.113963	-2.44124	0.014637	0.032887	1419.182	1245.362	1322.585	1024.546	1129.45	1129.597
13688	RALBP1	6111.086	-0.27834	0.134352	-2.07171	0.038293	0.074373	6109.313	8176.69	5813.531	5359.337	5245.099	5962.543
14811	LOC103231	4783.835	-0.27892	0.149089	-1.87086	0.061365	0.110147	6177.616	4006.507	5553.328	4433.004	3899.599	4632.955
9482	LOC103231	2081.23	-0.27928	0.09344	-2.98888	0.0028	0.007851	2276.221	2328.69	2239.559	1850.433	1942.312	1850.167
13745	ARL6	830.2341	-0.27946	0.135639	-2.0603	0.03937	0.076147	962.2033	831.5185	932.9758	850.4404	720.8803	683.386
12017	LIPA	1775.058	-0.27946	0.116272	-2.40352	0.016238	0.035923	2067.517	1810.838	1968.224	1549.096	1473.847	1780.824
24095	TTC23L	15.10145	-0.27949	0.714177	-0.39135	0.695538	0.767416	11.38381	20.80165	16.69755	11.16063	23.53022	7.034856
15965	CCDC34	782.6485	-0.27955	0.167167	-1.67226	0.094473	0.157317	724.2274	1075.664	772.9576	700.8879	750.8278	671.3263
13292	CCDC6	4596.421	-0.27955	0.13004	-2.14973	0.031576	0.063155	4487.933	6044.521	4592.523	4028.989	3925.268	4499.293
12695	PICK1	1014.341	-0.27987	0.123787	-2.26091	0.023765	0.049767	1168.738	996.2895	1175.786	892.8508	885.5918	966.7902
12074	CCDC137	1597.409	-0.28	0.117005	-2.39303	0.01671	0.036793	1882.666	1617.054	1760.896	1464.275	1304.858	1554.703
11340	ATP8B2	4514.991	-0.28001	0.109892	-2.54803	0.010833	0.025397	5417.611	4579.1	4865.945	3962.025	3766.974	4498.288
12672	ZMAT2	4280.176	-0.28016	0.12363	-2.26615	0.023442	0.04918	4366.506	5578.674	4138.906	3870.508	3764.835	3961.629
21567	TRNA5-GC1	58.60899	-0.28026	0.352835	-0.7943	0.427019	0.526349	63.96619	61.31012	69.57314	42.41041	47.06043	67.33362
17829	LOC103241	273.62	-0.28035	0.204293	-1.37231	0.169966	0.253438	313.3259	285.2016	298.4688	220.9806	318.7275	205.0158
13748	NEDD4L	1151.912	-0.28049	0.136228	-2.05899	0.039495	0.076373	1188.253	1450.641	1155.61	1042.403	936.9305	1137.637
9667	CPNE3	7224.823	-0.28057	0.095398	-2.94103	0.003271	0.008996	7576.199	8628.852	7574.427	6236.563	6522.148	6810.746
12420	SNX18	2350.296	-0.28062	0.12112	-2.31687	0.020511	0.043903	2396.564	2985.037	2355.051	2120.521	2023.599	2221.005
9961	MTA2	4274.82	-0.28063	0.097698	-2.87238	0.004074	0.010873	4680.374	4932.18	4461.725	3810.241	3610.819	4153.58
10692	SYDE1	2477.269	-0.28095	0.104272	-2.69436	0.007052	0.017535	2770.603	2595.279	2794.057	2238.823	2042.851	2422.001
10129	HSF2	1691.946	-0.281	0.099248	-2.83127	0.004636	0.012169	1782.38	1927.437	1858.994	1564.721	1484.543	1533.599
25931	LOC119621	0.744404	-0.28102	2.817017	-0.09976	0.920536	0.943748	1.084173	0.547412	0.695731	0	2.139111	0
14574	SIN3A	3087.356	-0.28104	0.147086	-1.91071	0.056041	0.102227	2913.172	4271.454	2978.426	2653.999	2776.566	2930.52
10861	DPH1	3747.386	-0.28108	0.105767	-2.65758	0.00787	0.019265	3958.857	4471.26	3909.315	3392.833	3105.989	3646.066
17185	ENK1	468.9328	-0.28112	0.191272	-1.46974	0.141631	0.219102	552.9281	396.8736	595.5461	462.0503	352.9533	453.2457
24017	LOC119621	14.06599	-0.28123	0.696279	-0.40391	0.686278	0.75964	16.26259	20.80165	9.044508	13.39276	12.83466	12.05975
20586	LOC119621	81.28895	-0.28125	0.29945	-0.93921	0.347624	0.448925	98.11763	93.06001	77.22618	75.89232	62.03421	81.40334
14045	ANP32E	5489.233	-0.28136	0.140271	-2.00584	0.044873	0.084938	5350.935	7546.072	5172.067	4955.322	4808.721	5102.281
11049	WDR76	3921.69	-0.28139	0.107577	-2.61575	0.008903	0.021422	4137.745	4751.535	4023.415	3607.117	3255.726	3754.603
11294	RC3H2	6076.146	-0.28145	0.109945	-2.5599	0.01047	0.024646	6520.215	7454.654	6031.295	5328.087	5185.204	5937.419
23380	TRNAK-UU	25.8674	-0.2815	0.560582	-0.50216	0.615554	0.699935	34.69353	14.23271	36.17803	22.32127	25.66933	22.10955
25829	TRNAP-AG	1.160887	-0.28152	2.440978	-0.11533	0.908182	0.934763	1.084173	2.737059	0	0	2.139111	1.004979
13000	ZNF558	816.4262	-0.28153	0.127767	-2.2035	0.027559	0.056359	954.072	889.5442	848.7923	698.6557	699.4892	808.0035
25926	MYOCOS	0.759907	-0.28153	2.801256	-0.1005	0.919945	0.943329	1.084173	0.547412	0.695731	2.232127	0	0
22054	LOC103241	50.04587	-0.28167	0.393542	-0.71574	0.474153	0.571568	43.909	60.76271	58.44144	55.80317	49.19955	32.15934
20594	LOC119621	109.5647	-0.28176	0.300154	-0.9387	0.347883	0.449086	92.69677	145.0641	121.0573	129.4634	87.70354	81.40334
11444	PMF1	943.3095	-0.28199	0.111581	-2.52722	0.011497	0.026708	1059.237	1033.514	1015.072	845.9761	825.6967	880.362
25621	LOC103241	1.598742	-0.28209	1.919385	-0.14697	0.883156	0.916385	2.168345	1.094824	2.087194	2.232127	0	2.009959
20826	TRNAP-UG	165.2968	-0.2822	0.313212	-0.90099	0.367594	0.469265	226.05	100.7238	218.4597	162.9453	119.7902	163.8117
11028	BRD1	2026.407	-0.28222	0.107574	-2.6235	0.008703	0.020979	2198.16	2346.207	2133.808	1805.791	1685.619	1988.854
12501	SLC26A6	1458.846	-0.28244	0.122728	-2.30133	0.021373	0.045453	1696.188	1497.171	1617.575	1279.009	1180.789	1482.345
25191	LOC119611	3.506696	-0.28249	1.308946	-2.21582	0.829131	0.874945	2.710432	6.02153	2.782925	2.232127	4.278221	3.014938
21695	LOC119621	50.84157	-0.2825	0.363127	-0.77796	0.436592	0.534999	58.54533	60.2153	48.00546	46.87467	49.19955	42.20914
11828	BCL7C	2051.176	-0.28252	0.115676	-2.44233	0.014593	0.032799	2088.659	2196.764	2464.976	2046.86	1771.184	1738.614
10448	R3HDM4	3349.821	-0.28256	0.102536	-2.75573	0.005856	0.014901	3899.769	3449.242	3688.768	2874.98	2904.912	3281.258
19074	HOMB2	318.4822	-0.28257	0.240676	-1.17406	0.240371	0.335024	249.9018	488.2913	309.6005	292.4086	297.3364	273.3544
14028	HEMK1	1018.978	-0.28273	0.140813	-2.00786	0.044658	0.084627	1234.873	958.5181	1166.742	823.6549	924.0958	1005.984
24882	LOC103221	5.460742	-0.28284	1.050606	-0.26922	0.787761	0.841677	4.336691	6.568942	6.957314	4.464254	6.417332	4.019918
12008	ATPAF2	1071.811	-0.28301	0.117695	-2.40459	0.016191	0.035845	1192.59	1242.625	1098.56	946.4218	915.5394	1035.129
25640	LOC103231	1.597854	-0.28303	1.964399	-0.14408	0.885437	0.918074	2.710432	0.547412	2.087194	2.232127	0	2.009959
9347	CDK7	1889.116	-0.28306	0.093736	-3.01978	0.00253	0.007195	2084.864	2092.755	2045.45	1703.113	1674.924	1733.59
22385	LOC119621	36.91736	-0.28319	0.428578	-0.66077	0.508759	0.604215	41.74065	36.12918	44.52681	24.5534	36.36488	38.18922
14146	STRN	2630.385	-0.28327	0.142613	-1.9863	0.047	0.088328	2546.18	3595.948	2522.026	2339.269	2333.77	2445.115
12427	MUS81	1648.308	-0.28331	0.122338	-2.31581	0.020568	0.043998	1935.79	1609.391	1889.606	1354.901	1478.125	1622.037
12739	TGM4	606.9527	-0.28338	0.125924	-2.2504	0.024423	0.050969	658.6349	656.8942	684.5997	544.639	541.195	555.7536
12901	MACIR	872.9502	-0.2835	0.127772	-2.21877	0.026503	0.054578	1022.375	887.3546	965.6751	854.9046	714.463	792.9288
25004	CACNG8	4.753469	-0.28355	1.156759	-0.24512	0.806363	0.857349	3.252518	4.379295	8.348776	2.232127	4.278221	6.029877
12873	XRC1	1151.904	-0.28358	0.127499	-2.22416	0.026138	0.053979	1175.785	1416.154	1207.094	977.6716	1001.104	1133.617
13435	USP19	3970.069	-0.28373	0.133805	-2.12045	0.033968	0.067217	4847.878	3716.379	4521.558	3287.923	3292.091	4154.585
25921	LOC119611	0.745292	-0.28392	2.816197	-0.10082	0.919697	0.94322	0.542086	1.094824	0.695731	0	2.139111	0
9385	NPC1	4572.994	-0.28396	0.094304	-3.01114	0.002603	0.007373	4960.632	5231.067	4880.556	3993.275	3927.407	4445.024
22139	LOC103231	39.66652	-0.2										



8994	HSPA5	38588.97	-0.28422	0.091128	-3.11885	0.001816	0.005367	42238.29	44563.7	40339.2	34057.79	32813.96	37520.91
13309	SPINDOC	1826.148	-0.28425	0.132501	-2.14526	0.031932	0.063785	1846.346	2381.241	1789.421	1698.649	1550.855	1690.375
9399	VPS4A	5319.358	-0.28446	0.094588	-3.00735	0.002635	0.007454	5717.927	6304.542	5506.714	4803.537	4609.783	4973.643
14418	CCDC82	1545.997	-0.28448	0.146639	-1.94002	0.052377	0.096577	1516.216	2084.544	1493.04	1299.098	1478.125	1404.961
9359	GDE1	2833.27	-0.28458	0.094344	-3.01638	0.002558	0.007267	3199.936	3046.894	3093.222	2580.339	2397.943	2681.285
14245	PRDM11	485.7129	-0.28463	0.144585	-1.96857	0.049003	0.091446	535.0392	547.4118	514.1455	435.2648	483.439	398.9768
13533	PTPN21	1202.578	-0.28463	0.135456	-2.10129	0.035616	0.069965	1263.603	1538.227	1162.567	1087.046	1020.356	1143.667
13295	HSD17B7	1398.645	-0.28467	0.132471	-2.14891	0.031642	0.063272	1713.535	1286.965	1610.618	1234.366	1227.85	1318.533
9289	RYK	3305.359	-0.28473	0.093833	-3.03447	0.00241	0.006896	3558.797	3870.202	3463.351	2890.604	3033.259	3015.943
16132	SCN3B	287.6302	-0.28481	0.173688	-1.63979	0.101048	0.166522	307.363	348.7013	290.8157	270.0874	254.5542	254.2598
12159	TTL7	1764.305	-0.28486	0.120013	-2.37357	0.017617	0.038518	1871.824	2204.427	1735.154	1645.078	1578.664	1550.683
10704	ELMOD2	1190.001	-0.28494	0.105912	-2.69038	0.007137	0.017726	1292.334	1345.538	1286.407	1037.939	1065.277	1112.512
11728	ZNFS36	966.7182	-0.28507	0.115675	-2.46437	0.013725	0.031113	1125.371	1022.565	1038.727	899.5472	825.6967	888.4019
11231	MTSS2	2367.395	-0.28509	0.110753	-2.57411	0.01005	0.023789	2450.772	2801.106	2555.421	2154.003	1931.617	2311.453
14483	RDH14	513.3747	-0.28516	0.14787	-1.92844	0.053801	0.098757	585.9954	578.6143	530.843	470.9788	404.2919	509.5246
14823	TBX18	708.2667	-0.2852	0.152674	-1.86803	0.061757	0.110762	731.8166	895.0183	711.7332	558.0317	637.455	715.5454
14692	TAF13	744.4277	-0.28529	0.15084	-1.89135	0.058578	0.105996	730.1903	949.2121	769.4789	703.12	716.6021	597.9628
9217	NF2	6498.677	-0.28538	0.093558	-3.05031	0.002286	0.006594	7256.368	7102.121	7068.631	5687.46	5486.819	6390.664
10881	HTD2	2158.081	-0.28545	0.107568	-2.65362	0.007963	0.019457	2589.547	2179.794	2346.702	1879.451	1920.921	2032.068
15523	LOC119627	342.3336	-0.28545	0.164195	-1.73846	0.08213	0.140657	377.8342	403.9899	347.17	279.0159	329.423	316.5685
22101	CUNH6orf1	64.12077	-0.28579	0.403088	-0.709	0.478327	0.575373	95.4072	38.86624	77.22618	64.73168	49.19955	59.29379
12334	MRTFA	1546.307	-0.28585	0.122303	-2.33722	0.019428	0.041875	1586.145	1843.136	1673.93	1386.151	1242.823	1545.658
21790	LOC119618	52.19538	-0.28587	0.375611	-0.76109	0.446601	0.544878	67.21871	44.88777	59.13717	55.80317	44.92132	41.20416
10291	GEMIN5	3650.145	-0.28588	0.102461	-2.79015	0.005268	0.013609	4067.816	4130.77	3841.829	3149.531	3073.902	3637.021
25306	LOC119628	2.757853	-0.2859	1.442966	-0.19813	0.842941	0.885544	4.336691	2.737059	2.087194	2.232127	2.139111	3.014938
24541	LOC119620	8.89575	-0.28592	0.882505	-0.32399	0.745947	0.808076	9.215468	12.04306	7.653045	4.464254	14.97377	5.024897
10269	MICAL1	2120.446	-0.28593	0.102266	-2.79593	0.005175	0.013398	2407.406	2354.418	2233.298	1899.54	1781.879	2046.138
16804	NUDT13	244.8379	-0.28595	0.187569	-1.52453	0.127375	0.201521	293.8108	244.1457	271.3352	212.0521	207.4937	240.1901
12615	TMEM41A	760.5805	-0.28607	0.125524	-2.27898	0.022668	0.047771	874.3853	813.454	820.963	622.7634	729.4367	702.4806
23132	LOC119621	24.68457	-0.28614	0.530289	-0.53959	0.589483	0.677448	31.9831	20.80165	27.82925	29.01765	21.39111	17.08465
14821	TIMM29	564.7362	-0.28633	0.15326	-1.86827	0.061724	0.110716	682.4867	546.8644	636.5942	497.7643	459.9088	564.7985
9804	ZNF687	2085.613	-0.28641	0.098619	-2.90423	0.003682	0.009983	2333.14	2218.113	2330.004	1863.826	1779.74	1988.854
25133	LOC119619	4.773181	-0.28645	1.269228	-0.22569	0.821446	0.868903	6.505036	4.379295	5.565851	0	2.139111	10.04979
16729	TTC32	291.9025	-0.28652	0.186635	-1.53755	0.124158	0.197306	340.9723	272.6111	347.8657	245.534	295.1973	249.2349
21193	LOC103238	58.46364	-0.28657	0.336653	-0.85124	0.394635	0.495049	63.42411	59.66789	69.57314	49.10679	57.75599	51.25395
10720	OVCA2	1499.034	-0.2866	0.106668	-2.6868	0.007214	0.01789	1659.326	1722.705	1564.7	1292.402	1321.97	1433.101
10207	SF3B1	24934.53	-0.28666	0.101815	-2.81547	0.004871	0.012686	25937.21	30629.33	25649.53	21856.99	21564.37	23969.77
12783	LOC103220	703.0069	-0.28668	0.127837	-2.24253	0.024927	0.051841	819.6346	737.9111	757.6515	622.7634	678.0981	601.9827
12029	CUNH18orf	761.017	-0.28668	0.119383	-2.40135	0.016335	0.036101	876.0116	827.6867	804.9612	685.263	688.7936	683.386
24600	LOC119623	7.894553	-0.28674	0.90605	-0.31647	0.751647	0.812298	8.131296	12.04306	6.261582	4.464254	6.417332	10.04979
15102	METTL18	526.9692	-0.28687	0.158174	-1.81365	0.069731	0.122752	508.477	674.4114	555.1936	495.5322	442.7959	485.4051
14868	ZNF280C	1625.702	-0.28699	0.154334	-1.85956	0.062947	0.112554	1562.293	2254.242	1545.219	1370.526	1497.377	1524.554
12324	RBM41	2038.927	-0.28716	0.122673	-2.34087	0.019239	0.041502	2133.652	2598.016	1990.487	1821.416	1876	1813.988
12313	CMTR2	851.1712	-0.28724	0.122612	-2.34268	0.019146	0.041346	981.1763	861.0788	968.4581	729.9055	780.7754	788.9089
13644	CUNH10orf	1068.17	-0.28744	0.138149	-2.08067	0.037464	0.072997	1146.513	1037.345	1337.891	1069.189	883.4527	934.6309
17152	CDK5R1	261.9563	-0.2876	0.19515	-1.47376	0.140546	0.217915	280.2587	282.4645	301.2517	283.4801	186.1026	238.1801
13654	COMMD6	1596.212	-0.28765	0.138419	-2.07811	0.037699	0.073402	1743.892	1481.296	2035.71	1486.597	1527.325	1302.453
15982	PABPC4L	282.2108	-0.28772	0.172438	-1.66855	0.095207	0.158367	301.9421	330.6367	298.4688	232.1412	273.8062	256.2698
16121	R3HDM1	1098.851	-0.28776	0.175243	-1.64209	0.100572	0.165852	1002.86	1579.283	1040.814	933.0291	1082.39	954.7305
12043	CMAS	2066.922	-0.28779	0.120013	-2.39797	0.016486	0.036393	2140.157	2605.68	2073.975	1832.576	1790.436	1958.705
16609	LOC103233	233.6472	-0.28803	0.185091	-1.55614	0.119675	0.191547	268.8748	263.3051	239.3316	191.9629	220.3284	218.0805
13977	DUSP28	437.7032	-0.28807	0.142891	-2.016	0.0438	0.083306	498.1774	455.4466	489.7949	392.8543	400.0137	389.932
17400	LOC103220	227.0382	-0.2882	0.201623	-1.42941	0.152885	0.233589	268.8748	261.1154	221.2426	207.5878	173.268	230.1403
7248	TSPAN3	10727.37	-0.28838	0.078929	-3.65359	0.000259	0.000949	11751.35	12162.94	11474	9604.842	9655.946	9715.137
12889	USF2	1536.482	-0.28849	0.1299	-2.22089	0.026358	0.054367	1555.246	1960.829	1555.655	1388.383	1283.466	1475.31
14770	TMEM159	601.6855	-0.28851	0.153601	-1.87832	0.060337	0.108603	745.9108	556.1704	683.2082	564.7281	513.3866	546.7088
21098	LOC103222	76.01011	-0.28852	0.333392	-0.8654	0.38682	0.487422	77.51835	94.70224	77.22618	95.98146	51.33866	59.29379
12020	NUB1	4711.92	-0.28876	0.12016	-2.40316	0.016254	0.03595	4782.828	6123.896	4637.745	4254.434	4271.804	4200.814
24615	GPR156	8.990726	-0.28882	0.920551	-0.31374	0.753717	0.814039	4.878777	7.116354	17.39328	6.696381	12.83466	5.024897
23175	LOC119626	21.63216	-0.28894	0.541538	-0.53356	0.593645	0.680936	27.10432	21.89647	22.2634	22.32127	17.11289	19.09461
21213	LOC103233	68.12448	-0.289	0.340712	-0.84823	0.396308	0.496669	73.18166	68.42648	82.79203	64.64254	83.42532	56.27885
23608	LOC103224	18.73549	-0.28908	0.618587	-0.46733	0.640266	0.720943	18.43094	16.42235	26.43779	13.39276	25.66933	12.05975
13522	USP6NL	1357.933	-0.28922	0.137509	-2.1033	0.035439	0.069676	1420.808	1773.067	1285.016	1252.223	1223.571	1192.911
11002	LOC103233	2477.349	-0.28934	0.110068	-2.62876	0.00857	0.020707	2589.005	3066.054	2520.635	2207.574	2207.562	2273.264
10478	MAN2A1	2030.384	-0.28939	0.105257	-2.74941	0.00597	0.015148	2182.982	2416.823	2103.892	1763.38	1794.714	1920.516
14543	LOC119627	814.8726	-0.28966	0.151084	-1.9172	0.055212	0.100929	991.476	753.7861	948.9776	685.263	686.6545	823.0782
24913	LOC119623	5.453312	-0.28967	1.106315	-0.26184	0.793447	0.846698	5.96295	3.284471	8.348776	6.696381	6.417332	2.009959
10622	PPP3CB	1576.094	-0.28979	0.10678	-2.71394	0.006649	0.016641	1689.683	1867.222	1646.796	1363.83	1426.787	1462.245
11860	MDFIC	913.3959	-0.2899	0.119097	-2.43414	0.014927	0.03346	985.513	1051.031	980.9812	752.2268	851.366	859.2574
16092	PADI2	267.2996	-0.29002	0.176043	-1.64742	0.099471	0.164332	273.2115	319.6885	289.4243	232.1412	248	



11619	CIAPIN1	2133.455	-0.29067	0.116771	-2.48922	0.012802	0.029291	2535.88	2061.553	2450.366	1850.433	1850.331	2052.168
8487	MICALL1	3643.685	-0.29082	0.089251	-3.25848	0.00112	0.003509	4027.16	3920.563	4087.422	3180.781	3200.11	3446.075
24808	CERS3	5.855509	-0.29083	1.042284	-0.27903	0.780221	0.83608	8.131296	4.926706	6.261582	2.232127	8.556443	5.024897
11607	ITFG2	1192.978	-0.291	0.116768	-2.49209	0.012699	0.029087	1398.041	1320.905	1223.791	997.7608	1071.694	1145.677
14413	BAX	2565.113	-0.29112	0.149966	-1.94127	0.052226	0.096331	3264.986	2196.764	3011.125	2341.501	2057.824	2518.479
11236	STX5	1363.243	-0.2912	0.113149	-2.57358	0.010065	0.023815	1593.734	1422.723	1481.908	1334.812	1159.398	1186.881
9312	PRKRIP1	1906.37	-0.29131	0.096125	-3.03058	0.002441	0.006968	2112.511	2169.94	2010.664	1732.131	1715.567	1697.41
23581	LOC10324	18.49944	-0.29135	0.617734	-0.47164	0.637182	0.718353	17.34676	26.27577	18.08902	8.928508	19.252	21.10457
20577	CMTM1	76.5827	-0.29144	0.309638	-0.94122	0.346591	0.447788	82.39713	95.24966	73.74753	80.35657	68.45154	59.29379
10098	OCLN	1879.177	-0.29145	0.102662	-2.83893	0.004527	0.011917	2041.497	2207.164	1959.18	1674.095	1636.42	1756.704
23539	MAK	21.85308	-0.29152	0.610212	-0.47774	0.632836	0.714635	27.10432	21.34906	22.2634	24.5534	27.80844	8.039836
18363	DNAH7	153.8959	-0.29161	0.229452	-1.27088	0.203773	0.294995	167.5047	185.0252	153.0609	147.3204	151.8769	118.5876
12470	PFDN4	1623.845	-0.29175	0.126495	-2.3064	0.021088	0.044958	1663.121	1915.941	1775.506	1524.543	1610.75	1253.209
21462	COLQ	101.0828	-0.292	0.361114	-0.8086	0.418748	0.518688	121.4273	99.08154	109.9256	98.21359	132.6249	45.22408
13786	TMEM186	659.8201	-0.29223	0.142639	-2.04872	0.040489	0.07808	799.5774	631.7132	745.824	609.3707	609.6465	562.7885
21201	LOC10321	57.59387	-0.2923	0.343981	-0.84975	0.395465	0.495888	66.13454	58.02565	66.09448	60.26743	42.78221	52.25893
10236	AGO1	6579.481	-0.29231	0.104144	-2.80683	0.005003	0.012994	6906.18	8017.393	6813.297	5807.994	5574.522	6357.5
11369	CDR2	1745.315	-0.29244	0.114939	-2.54433	0.010949	0.025602	1807.858	2154.613	1804.727	1508.918	1563.69	1632.087
11601	ERRF1	3480.34	-0.29284	0.117384	-2.49473	0.012605	0.028887	3586.443	4459.764	3450.828	3147.299	3076.041	3161.665
15184	POP4	375.5746	-0.2929	0.162833	-1.79879	0.072052	0.126153	431.5008	373.8823	432.0492	363.8367	348.675	303.5038
8133	TTC37	9052.528	-0.29293	0.086933	-3.36958	0.000753	0.002461	10338.67	10154.49	9415.333	8174.049	7809.893	8422.733
21428	LOC11962	55.66363	-0.29293	0.359764	-0.81423	0.415515	0.515515	67.7608	54.19377	61.22436	42.41041	64.17332	44.2191
20250	PPM1J	84.55718	-0.293	0.296737	-0.98742	0.323437	0.424621	104.6227	76.09024	98.09812	75.89232	71.28621	71.35354
16719	LOC10321	319.3575	-0.29304	0.190415	-1.53894	0.123818	0.196885	321.4572	412.7485	319.3407	334.819	252.4151	275.3644
10863	SRP19	1279.938	-0.29348	0.110447	-2.65719	0.007788	0.019284	1393.162	1498.814	1333.021	1171.867	1189.346	1093.418
12131	RCE1	1378.944	-0.29351	0.123379	-2.37894	0.017363	0.038043	1619.754	1418.344	1525.739	1145.081	1165.815	1398.931
22830	SPDYA	26.68409	-0.29357	0.499109	-0.58819	0.556407	0.64781	35.23561	25.18094	27.13352	26.78552	25.66933	20.09959
10936	GJB2	1460.719	-0.29369	0.111141	-2.64253	0.008229	0.020004	1631.138	1619.792	1582.093	1303.562	1193.624	1434.106
17285	RWDD2A	245.9804	-0.2939	0.202371	-1.4523	0.146418	0.225197	280.8007	225.5337	307.5133	194.195	241.7195	226.1204
9995	OXA1L	3224.959	-0.29391	0.102674	-2.86255	0.004203	0.011178	3471.521	3670.396	3523.184	2852.658	2648.219	3183.775
14118	RASSF2	704.8711	-0.29407	0.147715	-1.99079	0.046504	0.08757	751.8738	902.1347	676.2509	640.6204	601.0901	657.2566
20636	LOC11962	70.30493	-0.29431	0.316438	-0.93006	0.352341	0.453935	72.63957	73.90059	84.87923	60.26743	74.86887	55.27387
14747	TMEM203	1227.904	-0.29434	0.156448	-1.88137	0.059922	0.108024	1604.034	1060.884	1395.637	1113.831	1018.217	1174.821
16865	LOC10322	375.6403	-0.29443	0.194666	-1.51247	0.130415	0.205579	496.009	379.3564	363.1718	310.2657	408.5701	296.4689
13527	VPS33B	731.4756	-0.29448	0.140065	-2.10243	0.035515	0.069799	902.5738	742.8378	776.4362	627.2277	618.203	721.5753
19810	BEND4	108.9887	-0.29463	0.28019	-1.05153	0.293013	0.393224	99.74389	148.896	112.0128	84.82083	106.9555	101.5029
8437	GNG10	6867.601	-0.29483	0.090105	-3.27206	0.001068	0.003364	7529.038	7371.447	7793.583	6187.456	6558.513	5765.567
13777	LOC10323	665.0817	-0.2949	0.143725	-2.05181	0.040188	0.07755	781.1465	646.4934	775.0447	584.8173	549.7514	653.2367
10938	RNF40	5465.853	-0.29492	0.111653	-2.64139	0.008257	0.020068	5619.809	6712.364	5742.567	4756.663	4549.888	5413.824
9861	KDM1A	4551.353	-0.29499	0.10205	-2.89068	0.003844	0.010364	4828.363	5548.566	4671.14	4071.4	3929.546	4259.103
23455	CHRNA7	19.51227	-0.29504	0.599924	-0.4918	0.622861	0.70598	20.59928	20.25424	22.95914	13.39276	27.80844	12.05975
11377	LOC10322	3611.478	-0.2951	0.116061	-2.54261	0.011003	0.025711	4370.3	3644.12	3932.274	3071.407	3009.729	3641.041
12122	SLC16A9	868.3084	-0.29515	0.123982	-2.38059	0.017285	0.037906	928.594	1043.914	900.2764	745.5304	776.4972	815.0383
9475	EI24	5404.221	-0.29516	0.098655	-2.99181	0.002773	0.007781	5671.85	6577.153	5618.031	4714.252	4881.451	4962.589
12666	KCNS3	626.3637	-0.29518	0.130205	-2.26704	0.023388	0.04909	732.9008	650.3252	687.3826	582.5851	541.195	563.7935
10921	SUSD5	2863.319	-0.2952	0.111535	-2.64671	0.008128	0.019786	3077.966	3453.074	2940.161	2571.41	2344.465	2792.838
11604	UBQLN4	3486.08	-0.29532	0.118465	-2.49292	0.01267	0.029027	3596.201	4425.825	3507.182	3004.443	3016.146	3366.681
9458	ITGA3	55035.08	-0.29558	0.09868	-2.99538	0.002741	0.007705	62354.57	59684.31	59931.69	47999.66	44968.38	55271.86
10085	TENT2	2776.411	-0.29561	0.104051	-2.84103	0.004497	0.011854	2960.876	3383.552	2834.41	2482.125	2509.177	2488.329
18945	PLEKHG7	118.5	-0.29564	0.247195	-1.19596	0.231712	0.325155	126.8482	137.4004	125.9274	120.5349	104.8164	95.47305
12421	PTPRG	1833.97	-0.29571	0.127638	-2.31676	0.020517	0.043912	1825.205	2343.47	1897.955	1669.631	1520.908	1746.654
9554	EIF4G2	29703.47	-0.29573	0.099518	-2.97159	0.002963	0.008244	31235.56	36642.1	30337.37	26026.6	26112.12	27867.08
23157	LOC10321	21.36466	-0.29573	0.551538	-0.5362	0.59182	0.679466	22.22554	27.918	20.87194	20.08914	14.97377	22.10955
10427	LEMD3	1616.685	-0.29586	0.107159	-2.76098	0.005763	0.014693	1804.063	1851.894	1692.019	1334.812	1520.908	1496.414
10617	SGTA	2914.995	-0.29601	0.109008	-2.71552	0.006617	0.016569	3086.098	3423.513	3137.053	2571.41	2376.552	2895.346
12200	EXOSC10	3357.02	-0.29601	0.125089	-2.36644	0.01796	0.039137	3299.68	4383.126	3420.215	2599.533	2981.92	3157.645
11427	HSPA4	12303.49	-0.29605	0.117004	-2.5303	0.011396	0.026513	12751.5	15981.14	11952.66	10970.9	10834.6	11330.14
18855	ZNF454	141.3578	-0.29609	0.244454	-1.21124	0.225803	0.318376	165.8784	137.4004	161.4097	147.3204	132.6249	103.5129
8266	CLIC4	42349.56	-0.29618	0.089107	-3.32385	0.000888	0.002855	44653.82	50873.72	44518.46	37234.11	38078.31	38738.94
20638	LOC10324	83.28326	-0.29645	0.318783	-0.92993	0.352407	0.453955	79.6867	105.6505	87.66215	82.5887	89.84265	54.26889
10580	AIDA	5160.369	-0.29654	0.108742	-2.72699	0.006391	0.01606	5319.494	6396.507	5354.349	4671.842	4316.725	4903.295
21394	LOC10323	56.59998	-0.29665	0.362916	-0.8174	0.413697	0.514076	77.51835	53.64636	55.65851	44.64254	59.8951	48.23901
11376	RMND5B	2371.453	-0.29675	0.1167	-2.54287	0.010995	0.025694	2811.802	2385.073	2654.215	2040.164	1963.704	2373.762
10484	PCMTD2	1207.141	-0.2968	0.107983	-2.74858	0.005985	0.015178	1383.404	1304.482	1308.671	1044.635	1060.999	1140.652
12329	SNX24	789.754	-0.29682	0.126917	-2.33868	0.019352	0.041728	845.6547	947.0224	822.3545	678.5666	695.211	749.7147
15303	LOC10323	380.7738	-0.29706	0.166979	-1.779	0.07524	0.130711	454.2684	367.8607	440.398	334.819	314.4493	372.8474
12557	TYRO3	1247.061	-0.29707	0.129614	-2.29192	0.02191	0.046383	1491.28	1343.349	1296.148	1127.224	971.1562	1253.209
9720	UBFD1	4504.035	-0.29709	0.101572	-2.92489	0.003446	0.009424	5156.868	5044.947	4703.84	4015.596	3692.105	4410.855
10838	KIF11	4541.903	-0.29722	0.111622	-2.6627	0.007752	0.019014	4617.492	5744.54	4664.183	4066.935	3942.381	4215.889
15782	U2AF1L4	481.1154	-0.29727	0.174354	-1.70496	0.088202	0.148583	462.9418	614.7435	514.1455	493.3001	359.3706	442.191
7865	HNRNPF	14346.79	-0.29732										



10277	TSC2	3294.435	-0.29778	0.10657	-2.79426	0.005202	0.013456	3668.298	3508.91	3730.512	2966.497	2633.245	3259.148
14656	ATXN2	1508.887	-0.29792	0.157125	-1.89605	0.057953	0.105117	1402.377	2114.104	1474.255	1357.133	1398.978	1306.473
25566	TRNAK-UU	1.584126	-0.29792	1.912434	-0.15578	0.876205	0.911129	1.626259	1.642235	2.087194	0	2.139111	2.009959
10744	HIGD1A	3481.749	-0.29801	0.11115	-2.68118	0.007336	0.018153	3891.096	3383.552	4242.57	3223.191	3189.414	2960.67
12895	CCDC57	759.2323	-0.29824	0.134345	-2.21998	0.02642	0.054472	924.2573	768.0188	819.5716	732.1376	631.0376	680.3711
12225	CRYBG3	1723.564	-0.29841	0.126354	-2.36166	0.018193	0.039564	1771.538	2197.311	1737.937	1524.543	1458.873	1651.181
10386	SERPINB1	1119.526	-0.29845	0.107788	-2.76884	0.005626	0.0144	1269.566	1227.297	1210.573	962.0467	1007.521	1040.154
10647	KAT14	2365.785	-0.29845	0.110289	-2.70608	0.006808	0.017	2552.685	2900.735	2378.01	2066.95	2081.355	2214.975
10352	ELP4	1318.241	-0.29848	0.107518	-2.77609	0.005502	0.014129	1422.977	1539.869	1402.594	1145.081	1165.815	1233.11
10260	GGCX	3003.732	-0.2985	0.106652	-2.79877	0.00513	0.013292	3480.737	3141.049	3326.987	2515.607	2571.211	2986.799
23834	BOC	19.19555	-0.29878	0.690938	-0.43243	0.665428	0.742234	27.6464	16.42235	18.08902	22.32127	25.66933	5.024897
25028	LOC103232	4.333448	-0.29885	1.241119	-0.24079	0.809715	0.860019	6.505036	6.568942	1.391463	2.232127	4.278221	5.024897
14156	RPS27L	5075.65	-0.29893	0.150649	-1.9843	0.047223	0.088684	6065.404	4173.468	6557.964	4712.02	4706.043	4239.003
12998	MBD3	2884.104	-0.29901	0.13567	-2.20396	0.027527	0.056301	3478.026	2582.142	3489.093	2662.927	2333.77	2758.669
16553	DDX51	1009.455	-0.29904	0.191105	-1.56478	0.117635	0.188929	1379.61	809.0747	1157.001	852.6725	785.0536	1073.318
12366	FERMT1	848.6343	-0.29904	0.128407	-2.32886	0.019867	0.042711	897.1529	1042.272	871.0557	756.691	733.715	790.9188
9211	VPSS4	3376.503	-0.29943	0.098066	-3.05331	0.002263	0.006533	3716.002	3887.719	3578.146	2781.23	3108.128	3187.795
15330	NDUFAF5	508.0246	-0.29965	0.168979	-1.7733	0.07618	0.13211	642.3723	453.8044	585.8058	426.3363	485.5781	454.2507
8984	SND1	6278.394	-0.29969	0.096011	-3.12145	0.0018	0.005325	7063.385	6913.811	6814.689	5682.995	5110.335	6085.151
11850	NSUN5	1589.123	-0.29994	0.12312	-2.43619	0.014843	0.033299	1891.881	1503.74	1867.343	1370.526	1446.039	1455.21
25195	LOC103227	4.230628	-0.29998	1.393955	-0.2152	0.829612	0.875346	4.878777	6.02153	2.782925	0	10.69555	1.004979
11931	SIAH1	1193.35	-0.30004	0.124052	-2.41868	0.015577	0.034709	1390.452	1216.349	1351.11	991.0644	1018.217	1192.911
8840	RPA1	6390.707	-0.30045	0.095099	-3.1593	0.001581	0.004756	7378.338	6886.441	6905.134	5441.926	5497.514	6234.893
13863	PCGF2	642.1614	-0.30048	0.147503	-2.03714	0.041636	0.079848	630.4464	789.9152	710.3417	551.3354	534.7777	636.152
7968	SEPTIN9	17338.91	-0.30058	0.087895	-3.41974	0.000627	0.002091	19029.94	19488.41	18906.5	15214.18	14629.38	16765.07
12500	GPSM2	1036.929	-0.30065	0.130608	-2.30192	0.021339	0.045385	1123.203	1301.745	1008.81	926.3327	919.8176	941.6658
13697	TBRG4	5242.642	-0.30069	0.14537	-2.06846	0.038597	0.074914	6615.622	4657.38	6095.303	4374.969	4235.439	5477.138
8740	UBA3	4639.383	-0.3007	0.094235	-3.19092	0.001418	0.004314	5044.656	5532.144	4784.545	4158.453	4216.187	4100.316
14054	PBX1	808.835	-0.30078	0.150066	-2.00435	0.045033	0.085186	795.7828	1069.643	814.7014	698.6557	714.463	759.7645
12656	NET1	2158.403	-0.30081	0.132552	-2.26938	0.023245	0.048829	2089.201	2859.132	2199.903	1950.879	1884.556	1966.745
9343	PPM1A	4270.777	-0.30082	0.099593	-3.02046	0.002524	0.007182	4549.189	5146.766	4451.289	3787.919	3668.575	4020.923
9519	USP28	1524.928	-0.30095	0.101002	-2.97967	0.002886	0.008059	1681.01	1704.093	1669.06	1361.597	1302.718	1431.091
11846	ETHE1	652.2137	-0.30096	0.123455	-2.43778	0.014778	0.033165	723.6853	718.2043	715.9076	593.7458	598.951	562.7885
9437	PRK03	4772.299	-0.30105	0.100373	-2.99934	0.002706	0.007622	5066.881	5806.945	4934.823	4194.167	4164.848	4466.129
12009	REPS1	2244.582	-0.30106	0.125211	-2.40442	0.016198	0.035858	2272.426	2861.869	2304.262	1941.95	1893.113	2193.87
8980	PKD2	5112.197	-0.30109	0.096415	-3.12282	0.001791	0.005303	5613.304	5988.685	5335.564	4334.791	4498.55	4902.29
12062	PSENNEN	2829.67	-0.30138	0.125859	-2.39463	0.016637	0.036669	2845.953	3715.284	2810.059	2531.232	2569.072	2506.419
10507	VPS13A	6240.141	-0.30142	0.109877	-2.74323	0.006084	0.015393	6527.262	7662.671	6486.304	5254.427	5345.638	6164.544
13948	ALG1	499.2755	-0.30158	0.149107	-2.02257	0.043117	0.082181	599.5475	494.3129	562.8467	426.3363	434.2395	478.3702
14524	PLAGL2	544.3234	-0.30182	0.157225	-1.91969	0.054897	0.100461	546.9651	705.6138	552.4107	459.8182	485.5781	515.5545
22119	LOC119626	40.95781	-0.30183	0.427632	-0.70581	0.480308	0.577286	46.61943	44.34036	46.614	31.24978	25.66933	51.25395
12958	KLF16	1424.888	-0.30204	0.136546	-2.212	0.026967	0.055326	1702.151	1301.198	1719.848	1303.562	1182.928	1339.638
13098	DIS3L2	760.4295	-0.30218	0.138104	-2.18806	0.028665	0.058182	833.7288	933.8846	754.8685	627.2277	680.2372	732.63
9739	TSR2	2336.519	-0.30222	0.103528	-2.91922	0.003509	0.009579	2686.038	2421.75	2639.605	2051.325	1972.26	2248.139
19983	PTMA	28559.93	-0.30224	0.292758	-1.03237	0.301898	0.401639	24242.64	43860.82	26517.11	26627.04	27126.06	22985.89
19036	LOC103216	114.2933	-0.30232	0.256521	-1.17855	0.238576	0.333169	130.6428	108.3875	140.5377	95.98146	102.6773	107.5328
10421	ZNF268	2367.857	-0.30233	0.109482	-2.76151	0.005754	0.014678	2551.601	2867.343	2428.102	1962.04	2218.258	2179.8
22427	LOC119625	29.69313	-0.30244	0.463675	-0.65228	0.514222	0.609584	29.81475	35.58177	33.39511	24.5534	25.66933	29.1444
19303	LRRRC39	108.3512	-0.30252	0.266572	-1.13485	0.256439	0.353173	124.1378	134.1159	100.881	104.91	85.56443	100.4979
9691	MEITL3	2730.521	-0.30267	0.103197	-2.9329	0.003358	0.009212	3072.003	3046.894	2935.986	2437.83	2222.536	2668.22
12327	CAMLG	1854.778	-0.30278	0.129443	-2.33909	0.019331	0.04169	2275.679	1696.429	2175.552	1647.31	1634.281	1699.42
13112	CUNH1orf	830.3456	-0.30279	0.138541	-2.18558	0.028846	0.058487	865.1698	1056.505	827.9203	732.1376	780.7754	719.5653
12343	ZCCHC10	779.762	-0.30291	0.129683	-2.33575	0.019504	0.042009	829.3921	892.8287	855.7496	752.2268	727.2976	621.0773
21475	LOC119628	65.42961	-0.303	0.375293	-0.80736	0.419459	0.519222	95.4072	49.81448	70.26887	60.26743	70.59065	46.22906
19276	CUNH16orf	303.1935	-0.30302	0.265834	-1.1399	0.254326	0.35076	427.7061	197.0683	381.9565	234.3733	269.5279	308.5287
21693	LOC103217	46.13708	-0.30309	0.389508	-0.77814	0.436485	0.534917	47.7036	59.66789	44.52681	49.10669	40.6431	35.17428
10118	GTF3C2	3023.197	-0.30317	0.107005	-2.83323	0.004608	0.012107	3481.279	3231.919	3315.16	2522.303	2560.515	3028.003
23307	LOC103233	18.91181	-0.30318	0.591414	-0.51263	0.608211	0.693753	23.30971	15.32753	23.65487	17.85702	19.252	14.06971
10661	MRS2	1270.725	-0.30323	0.11227	-2.70094	0.006914	0.017242	1369.852	1461.042	1386.593	1066.957	1103.781	1236.125
8877	PGM1	3005.27	-0.30326	0.096323	-3.14834	0.001642	0.004915	3397.255	3404.354	3162.099	2734.356	2515.594	2817.962
17432	UBE3D	284.5719	-0.30346	0.213404	-1.422	0.155028	0.236428	361.5716	232.65	350.6486	241.0697	248.1368	273.3544
8997	RPL36AL	7735.172	-0.30355	0.097385	-3.11697	0.001827	0.005399	7921.508	9289.031	8421.828	7200.842	7033.396	6544.426
23435	LOC119627	21.49672	-0.30363	0.614214	-0.49434	0.621063	0.704543	28.18849	19.15941	22.95914	13.39276	34.22577	11.05477
9016	CUL3	6574.619	-0.30386	0.09767	-3.11112	0.001864	0.005495	7088.863	7997.139	6708.938	5830.316	5790.573	6031.887
21598	LOC103222	62.36939	-0.30393	0.384368	-0.79073	0.429102	0.528183	88.36008	55.28859	64.70302	33.4819	62.03421	70.34856
17343	LOC103212	245.5801	-0.30407	0.211142	-1.4401	0.149838	0.229686	310.0734	281.9171	219.1554	254.4625	213.9111	193.961
22985	RTP1	22.06376	-0.30427	0.536987	-0.56662	0.57097	0.660397	23.30971	23.53871	25.74206	22.32127	21.39111	16.07967
11282	LOC119618	939.1651	-0.30443	0.11884	-2.5617	0.010416	0.024545	1003.944	1100.298	1006.028	830.3512	898.4265	795.9437
10767	MCFD2	2802.319	-0.30451	0.113797	-2.67587	0.007454	0.018404	2844.327	3523.142	2922.767	2412.929	2620.411	2490.339
13250	WRAP73	841.0185	-0.30456	0.141147	-2.15771	0.03095	0.062099	963.2875	838.6349	992.1129	754.4589	652.4288	845.1877
8867	FBH1	2647.462											



10843	GAN	1843.58	-0.30503	0.114584	-2.66206	0.007766	0.019042	1958.558	2292.561	1862.473	1660.702	1612.889	1674.296
8301	IL6	6443.29	-0.30512	0.092107	-3.31268	0.000924	0.002959	6767.948	7734.929	6862.694	5819.155	5728.538	5746.473
13524	GMDS	768.5804	-0.30515	0.145119	-2.10279	0.035484	0.069753	764.8839	994.6473	791.0466	676.3345	660.9852	723.5852
13840	CHMP6	952.2955	-0.30537	0.149564	-2.04172	0.041179	0.079105	1118.324	876.4063	1166.046	906.2436	742.2714	904.4815
13741	B3GALT6	610.6423	-0.30542	0.148155	-2.0615	0.039256	0.075949	708.5069	609.8168	712.4289	515.6213	498.4128	619.0674
13520	ZFR	9098.317	-0.30555	0.145237	-2.10383	0.035393	0.069595	8757.405	12859.8	8557.496	7946.372	8209.907	8258.921
11147	TADA1	1217.42	-0.30559	0.117876	-2.59249	0.009528	0.022725	1243.004	1484.033	1312.845	1055.796	1080.251	1128.592
9012	INVS	2302.303	-0.30573	0.098235	-3.11225	0.001857	0.005477	2469.745	2708.594	2460.802	2040.164	1997.929	2136.586
15558	DCDC1	263.8482	-0.30576	0.176261	-1.73468	0.082797	0.141483	286.7637	280.8223	305.4261	256.6946	235.3022	218.0805
8700	KIAA1522	2376.539	-0.30576	0.095468	-3.20276	0.001361	0.004159	2546.722	2655.495	2685.523	2095.967	2036.433	2239.094
14409	MCAT	900.7614	-0.30577	0.157477	-1.94169	0.052175	0.096263	1115.614	851.7728	1026.204	787.9408	682.3763	940.6608
11379	IWS1	3578.18	-0.3058	0.120292	-2.54214	0.011018	0.025741	3669.383	4638.768	3561.449	3142.835	3140.214	3316.432
16841	LOC119623	471.1545	-0.3059	0.201556	-1.51767	0.129097	0.203791	438.0058	679.8855	443.8766	479.9073	372.2053	413.0466
12386	ASXL2	3852.482	-0.30593	0.131536	-2.32583	0.020027	0.042988	3833.635	5169.21	3777.126	3328.101	3414.021	3592.802
9824	ZNF706	3032.21	-0.30601	0.105517	-2.90011	0.00373	0.010095	3308.895	3595.401	3151.663	2526.768	2958.39	2652.141
24169	LOC119623	10.17866	-0.30648	0.807085	-0.37974	0.704137	0.774492	10.29964	9.853413	13.2189	6.696381	14.97377	6.029877
12106	KPNA3	1031.694	-0.3065	0.128513	-2.38498	0.01708	0.037508	1068.994	1262.332	1094.385	825.887	964.7389	973.8251
10313	LSM2	1517.853	-0.30653	0.110047	-2.78543	0.005346	0.013779	1704.862	1527.826	1803.336	1354.901	1360.474	1355.717
11526	OCRL	5165.676	-0.30685	0.122308	-2.5088	0.012114	0.027942	5199.15	6768.2	5174.154	4457.558	4534.915	4860.081
16161	NUDT19	401.546	-0.30694	0.187813	-1.63427	0.102202	0.168124	519.8608	356.3651	458.487	368.301	312.3102	393.952
12768	KNL1	4610.829	-0.30698	0.136609	-2.24711	0.024633	0.051286	4566.536	6285.93	4447.811	4118.274	3920.99	4325.432
10943	DNAJC11	5113.481	-0.30733	0.116396	-2.64035	0.008282	0.020121	5278.295	6417.856	5277.122	4607.11	4134.901	4965.604
15445	EML5	335.8336	-0.30736	0.175362	-1.7527	0.079654	0.137106	361.5716	411.6537	339.5169	272.3195	346.5359	283.4042
12735	RAD54L	597.9351	-0.30744	0.136575	-2.25105	0.024383	0.0509	673.8134	636.0925	679.0338	482.1394	532.6386	583.8931
10015	MATR3	20900.84	-0.30753	0.10762	-2.85756	0.004269	0.011332	21591.3	26639.8	21130.75	18450.76	18379.24	19213.2
25117	LOC119623	3.209363	-0.3077	1.350243	-0.22788	0.819736	0.867647	2.710432	3.284471	4.87012	2.232127	2.139111	4.019918
25676	LOC103234	1.595749	-0.30776	2.212843	-0.13908	0.889386	0.920897	1.084173	0.547412	3.478657	4.464254	0	0
17065	FCSK	749.5282	-0.30783	0.207262	-1.48523	0.137484	0.214181	1048.395	578.6143	864.7941	593.7458	609.6465	801.9736
10639	LOC103233	1321.722	-0.30785	0.113648	-2.70878	0.006753	0.016875	1543.32	1493.887	1352.502	1100.439	1200.041	1240.145
9490	TPBG	5812.438	-0.30786	0.103085	-2.98647	0.002822	0.007906	6715.908	6155.646	6428.558	5049.071	4748.826	5776.622
10383	LOC103233	2514.995	-0.30796	0.111201	-2.76939	0.005616	0.01438	2611.23	3104.92	2635.43	2183.02	2160.502	2394.866
8901	CP5F3	5054.884	-0.30799	0.097935	-3.14485	0.001662	0.004963	5560.722	6042.332	5178.329	4426.308	4368.064	4753.553
19989	PCDH8	78.29351	-0.30813	0.298778	-1.03129	0.302406	0.402187	84.56547	87.58589	86.27069	82.5887	68.45154	60.29877
17353	CFI	222.2623	-0.3083	0.214282	-1.43874	0.150223	0.230144	241.2284	270.9688	224.7212	245.534	156.1551	194.966
21280	LOC103233	70.89373	-0.30843	0.367854	-0.83845	0.40178	0.501941	62.88202	106.7453	64.00729	82.5887	59.8951	49.24399
8735	TASOR2	4712.702	-0.30844	0.096607	-3.19278	0.001409	0.004289	5094.528	5633.962	4919.517	4037.918	4173.405	4416.885
13251	PRKG1	466.0275	-0.30846	0.142958	-2.15768	0.030953	0.0621	517.1504	514.0197	519.0156	377.2295	423.5439	445.2059
10211	FDX1	1325.412	-0.30854	0.109655	-2.81377	0.004896	0.012748	1515.673	1393.71	1485.386	1220.973	1234.267	1102.462
17074	SDHAF1	209.4637	-0.30863	0.207893	-1.48457	0.137658	0.21433	216.2925	240.3138	242.8102	167.4095	166.8506	223.1054
8794	HBS1L	3683.739	-0.30871	0.097211	-3.17573	0.001495	0.004518	3913.864	4392.432	3927.404	3205.334	3202.249	3461.149
9101	AKAP10	1886.992	-0.30882	0.100169	-3.08296	0.002049	0.005987	2158.046	2081.26	2029.448	1582.578	1704.871	1765.749
13884	LOC119623	1420.3	-0.30901	0.151993	-2.03308	0.042044	0.080506	1416.472	1964.661	1333.021	1279.009	1283.466	1245.17
11442	SLC46A1	2073.712	-0.3095	0.122449	-2.52763	0.011484	0.026682	2454.567	2056.626	2380.793	1872.755	1636.42	2041.113
24741	LOC119623	7.610275	-0.30954	1.062005	-0.29146	0.770697	0.828138	11.38381	1.642235	12.52316	8.928508	2.139111	9.044815
10981	UBE2R2	1804.821	-0.30972	0.117598	-2.63368	0.008447	0.020449	1930.912	2248.22	1815.859	1640.613	1523.047	1670.276
15064	WDR54	922.9287	-0.30972	0.169955	-1.82236	0.0684	0.120712	1171.991	791.5575	1105.517	821.4227	714.463	932.6209
11129	LOC103233	2144.58	-0.30974	0.11928	-2.59674	0.009411	0.022482	2514.197	2191.289	2424.624	1834.808	1734.819	2167.741
14896	TOMM5	630.482	-0.30981	0.166997	-1.85521	0.063567	0.113435	724.2274	550.6963	818.8758	549.1032	588.2554	551.7337
20329	LOC103223	83.89495	-0.30984	0.318733	-0.97209	0.331006	0.432869	93.23886	85.94365	96.70666	98.21359	77.00798	52.25893
23001	LOC119623	22.80886	-0.30999	0.550805	-0.56279	0.57358	0.662955	27.6464	20.80165	26.43779	20.08914	27.80844	14.06971
8899	ATPAF1	2377.997	-0.31006	0.098588	-3.14501	0.001661	0.004962	2742.957	2601.848	2558.9	2044.628	2051.407	2268.239
9765	PLEKHA7	1750.207	-0.3101	0.106454	-2.91298	0.00358	0.009746	1904.349	2062.1	1851.341	1520.078	1493.099	1670.276
23555	LOC119623	16.84409	-0.31011	0.651908	-0.47569	0.634292	0.715885	17.34676	22.44388	15.30609	13.39276	23.53022	9.044815
24191	LOC119623	10.65907	-0.31013	0.825132	-0.37585	0.707029	0.777018	7.047123	10.40082	17.39328	13.39276	10.69555	5.024897
23371	ARL5C	16.21868	-0.31015	0.616783	-0.50285	0.61507	0.699655	17.34676	17.51718	18.78475	15.62489	14.97377	13.06473
9593	NSMCE4A	1690.836	-0.31031	0.104725	-2.96308	0.003046	0.008441	1842.552	2013.928	1758.809	1535.703	1484.543	1509.479
24238	SPATA18	9.783695	-0.31032	0.840089	-0.36939	0.711836	0.780775	7.589209	12.59047	11.82743	6.696381	14.97377	5.024897
20672	TENT5D	58.59014	-0.31033	0.335182	-0.92585	0.354524	0.455931	64.50828	69.5213	60.52863	49.10679	55.61688	52.25893
9786	DMAC2	2162.364	-0.31046	0.106783	-2.9074	0.003644	0.009901	2513.112	2223.039	2451.757	1926.326	1794.714	2065.233
11955	LOC103233	654.4723	-0.31053	0.128676	-2.41329	0.015809	0.035156	712.8436	761.4498	696.4271	620.5313	581.8381	553.7437
23054	LOC119615	20.58728	-0.31054	0.561045	-0.55351	0.579913	0.668734	26.02015	22.44388	20.17621	13.39276	21.39111	20.09959
8549	ZFX	4569.025	-0.31062	0.095848	-3.24082	0.001192	0.003706	5019.178	5438.536	4722.625	3924.079	4070.728	4239.003
9557	MRPL22	1336.235	-0.31071	0.104596	-2.97056	0.002973	0.008269	1422.435	1522.352	1492.344	1167.402	1247.102	1165.776
7111	LOC103228	4917.938	-0.31074	0.084142	-3.69301	0.000222	0.000829	5567.769	5267.744	5501.148	4303.541	4485.715	4381.71
14861	LOC119623	378.0067	-0.3109	0.167109	-1.86046	0.06282	0.112379	382.1709	462.563	414.6559	325.8905	305.8928	376.8673
12822	INO80C	899.884C	-0.31098	0.139183	-2.23431	0.025463	0.052794	1078.752	860.5314	1054.033	725.4413	819.2794	861.2674
9538	VAMP7	3396.641	-0.31101	0.104544	-2.97493	0.002931	0.008168	3469.895	4181.679	3631.718	2970.961	3116.684	3008.909
7740	MARK3	4854.661	-0.31128	0.089422	-3.48103	0.000499	0.001716	5492.419	5359.162	5284.775	4160.685	4214.048	4616.876
21089	LOC103241	79.31056	-0.31129	0.35906	-0.86695	0.385969	0.486556	61.79785	121.5254	78.61764	87.05295	70.59065	56.27885
10636	FANCE	1248.536	-0.3113	0.114899	-2.70934	0.006742	0.016851	1425.687	1386.047	1342.066	1111.599	1011.799	1214.015



10499	MOC53	1009.099	-0.31155	0.11351	-2.74469	0.006057	0.015337	1144.886	1100.845	1110.387	832.5834	926.2349	939.6558
6665	XPO1	20327.37	-0.3116	0.080482	-3.87167	0.000108	0.000431	22455.93	23292.92	21797.96	17910.59	17709.7	18797.14
16984	LOC119615	256.8204	-0.31181	0.208573	-1.49495	0.134927	0.211195	247.1914	346.5117	260.8993	243.3018	196.7982	246.22
11145	ADRM1	3029.072	-0.31186	0.120283	-2.59271	0.009522	0.022714	3532.235	2910.041	3628.935	2707.57	2462.116	2933.535
10993	FANCC	1173.584	-0.3119	0.118578	-2.63037	0.008529	0.020627	1375.273	1196.642	1331.63	1064.725	964.7389	1108.492
9470	E2F1	1832.062	-0.31199	0.104261	-2.99236	0.002768	0.007771	2046.918	2083.997	1963.354	1604.899	1529.464	1763.739
19256	LOC103247	117.8702	-0.31223	0.272894	-1.14416	0.252556	0.348681	116.5486	163.6761	112.7085	100.4457	96.25998	117.5826
10700	USB1	1336.059	-0.31225	0.115982	-2.69219	0.007098	0.017637	1545.488	1442.43	1459.644	1109.367	1135.868	1323.558
15067	ZBED8	391.7775	-0.31232	0.171416	-1.82202	0.068452	0.120781	484.0831	371.6926	449.4425	321.4263	340.1186	383.9022
24935	LOC119625	5.050282	-0.3124	1.215764	-0.25696	0.797213	0.849936	4.336691	4.379295	7.653045	2.232127	10.69555	1.004979
25679	LOC119625	1.594434	-0.31256	2.252382	-0.13877	0.889632	0.92102	0	0.547412	4.87012	0	2.139111	2.009959
24801	LOC119625	6.011417	-0.31262	1.114321	-0.28054	0.77906	0.8351	6.505036	7.116354	6.261582	11.16063	0	5.024897
13223	THUMP2	510.0875	-0.31281	0.144549	-2.164	0.030464	0.061248	570.8169	557.2652	567.0211	511.1571	400.0137	454.2507
13083	LOC103230	591.4047	-0.31288	0.142831	-2.19055	0.028484	0.057881	707.9648	633.3555	625.4625	464.2824	579.699	537.664
15947	LOC103215	415.653	-0.31292	0.186652	-1.67649	0.093642	0.156094	479.2044	433.5502	475.1845	354.9082	288.7799	462.2906
15136	LOC119625	419.6072	-0.31309	0.173141	-1.80828	0.070562	0.123936	472.1572	509.093	408.3943	397.3186	417.1266	313.5536
21953	LOC103215	70.19732	-0.31309	0.425717	-0.73545	0.462065	0.559558	52.58238	129.7366	50.09266	69.19594	66.31243	53.26391
12952	ACIN1	9489.452	-0.31319	0.141541	-2.21269	0.026919	0.055255	9319.549	13178.94	9050.769	8234.316	8008.83	9144.308
10426	ALS2	5299.541	-0.31323	0.113446	-2.76102	0.005762	0.014693	5495.13	6697.584	5430.183	4495.504	4575.558	5103.286
8309	SYAP1	4435.735	-0.3133	0.094616	-3.31122	0.000929	0.002972	4906.966	5285.261	4553.562	3915.151	3995.859	3957.609
18296	ADAM11	119.2805	-0.31334	0.243955	-1.28443	0.19899	0.289142	126.3061	134.6633	137.0591	102.6778	98.39909	116.5776
16041	SIPA1L2	242.3689	-0.3135	0.189087	-1.65794	0.097329	0.161306	267.7907	296.1498	243.506	196.4272	218.1893	232.1503
11015	PUS7L	850.407	-0.31352	0.1194	-2.62581	0.008644	0.020863	924.2573	1008.333	894.0148	774.5481	746.5496	754.7396
15257	SFT2D1	1363.896	-0.31366	0.175587	-1.78634	0.074044	0.12902	1746.06	1082.233	1710.108	1102.671	1193.624	1348.682
9808	TYK2	1578.104	-0.3137	0.108049	-2.90332	0.003692	0.010008	1752.565	1705.735	1794.987	1401.776	1292.023	1521.539
10975	COX5A	2868.272	-0.31389	0.119121	-2.63507	0.008412	0.020379	3414.06	2706.404	3418.128	2656.231	2412.917	2601.892
16658	LOC103246	323.0889	-0.31392	0.20299	-1.54649	0.121985	0.19468	403.8543	284.6541	389.6096	245.534	280.2235	334.6582
20501	LOC119625	69.03345	-0.31409	0.331785	-0.94666	0.343813	0.445846	94.86511	65.68942	69.57314	53.57105	64.17332	66.32864
15087	TP53I13	826.2441	-0.31411	0.172724	-1.81855	0.06898	0.121551	1041.348	689.1915	1019.942	736.6019	667.4025	802.9786
12432	SCAI	598.4507	-0.31412	0.135669	-2.31534	0.020594	0.044041	696.581	689.7389	603.8948	508.925	551.8906	539.674
9960	MXI1	1290.078	-0.31444	0.109466	-2.87245	0.004073	0.010872	1425.687	1476.917	1388.68	1216.509	1058.86	1173.816
25136	LOC119625	3.966735	-0.31446	1.396598	-0.22516	0.821856	0.869233	9.215468	2.189647	2.087194	0	4.278221	6.029877
12247	SSU72	5011.48	-0.31454	0.133458	-2.35684	0.018431	0.04001	4910.218	6831.699	4923.691	4555.771	4438.655	4408.845
13168	CAMSA2P	5826.297	-0.31469	0.144539	-2.17718	0.029467	0.059492	5662.634	8182.712	5533.847	5082.553	5044.023	5452.014
10242	CTDP1	1653.85	-0.31475	0.112219	-2.80477	0.005035	0.01307	1835.504	1792.226	1881.258	1348.205	1426.787	1639.122
10055	SETD5	5106.474	-0.31478	0.110439	-2.85029	0.004368	0.011549	5322.746	6461.102	5203.375	4439.701	4432.237	4779.682
18022	MTLN	495.0098	-0.31501	0.235241	-1.33911	0.180534	0.266313	647.2511	330.6367	669.9893	446.4254	406.431	469.3254
12791	GIN53	449.0276	-0.31504	0.140575	-2.24109	0.02502	0.052002	511.7295	497.5973	485.6205	386.158	400.0137	413.0466
12623	DPAGT1	850.7897	-0.31517	0.138435	-2.27665	0.022807	0.048033	907.4526	1052.126	873.1429	796.8693	663.1243	812.0234
13789	CDC42EP2	402.1059	-0.31521	0.153897	-2.0482	0.040541	0.078162	463.4838	428.6235	449.4425	339.2833	335.8404	395.9619
17718	LOC119625	139.5196	-0.31532	0.228198	-1.38177	0.167044	0.250641	161.5417	158.7494	142.6249	124.9991	132.6249	116.5776
9187	IMP1	1318.481	-0.31533	0.103096	-3.05857	0.002224	0.006436	1478.812	1408.491	1498.605	1154.01	1202.18	1168.791
13406	HOXB6	535.9853	-0.31535	0.148331	-2.12596	0.033506	0.066445	537.7497	675.5062	569.1083	479.9073	481.2999	472.3404
22990	LOC103247	21.07577	-0.31536	0.557654	-0.56551	0.571726	0.661128	24.39389	19.70683	25.74206	24.5534	14.97377	17.08465
22430	LOC103235	29.3497	-0.31572	0.484484	-0.65166	0.514622	0.609912	27.6464	39.41365	29.91645	33.4819	23.53022	22.10955
19386	CHGB	124.3878	-0.31572	0.281961	-1.11973	0.262827	0.360428	121.9694	175.7192	116.8829	84.82083	128.3466	118.5876
11719	NDUFAF6	623.8971	-0.31581	0.128088	-2.46554	0.013681	0.031035	693.3285	710.5405	669.2936	551.3354	588.2554	530.6292
8581	DOCK10	6243.705	-0.31589	0.09768	-3.23391	0.001221	0.003783	6757.107	7606.287	6412.556	5468.711	5476.123	5741.448
10405	TRIM52	1733.909	-0.31604	0.114295	-2.76515	0.00569	0.014537	1945.548	2113.557	1708.716	1544.632	1559.412	1531.589
19948	LOC103245	81.7375	-0.31605	0.30443	-1.03816	0.299194	0.39874	105.7068	77.73248	89.05362	60.26743	81.28621	76.37844
8191	IDH1	4597.662	-0.31624	0.09444	-3.34856	0.000812	0.002636	5353.103	4767.409	5183.894	3962.025	4000.137	4319.402
12664	LOC103235	600.6146	-0.31624	0.139458	-2.26763	0.023352	0.049022	623.3993	726.9629	649.8131	558.0317	487.7172	557.7636
8642	SNX6	4122.814	-0.31624	0.098307	-3.21692	0.001296	0.003986	4681.458	4214.524	4818.635	3669.617	3865.373	3487.279
20218	LOC103245	69.46855	-0.31629	0.318177	-0.99406	0.320193	0.421027	79.6867	86.49107	64.70302	64.73168	59.8951	61.30375
8919	SHCBP1	1843.993	-0.31631	0.100759	-3.13926	0.001694	0.005049	2089.443	2067.027	1981.443	1700.881	1529.464	1695.4
20310	LOC103245	71.75319	-0.31633	0.323759	-0.97706	0.328539	0.430045	82.93921	84.84883	73.05179	55.80317	53.47777	80.39836
8468	HKDC1	27387.88	-0.31678	0.09709	-3.26274	0.001103	0.003464	29683.57	32340.54	29133.06	23479.74	22873.51	26816.87
9962	POLR2K	3727.21	-0.31685	0.110318	-2.8721	0.004078	0.010881	3865.076	4292.803	4237.7	3580.332	3473.916	2913.435
13532	NEMF	4222.092	-0.31687	0.150772	-2.10168	0.035582	0.069904	4119.314	5999.633	3933.665	3549.082	3837.565	3893.29
8585	RNF41	2310.463	-0.31697	0.098031	-3.23335	0.001223	0.003789	2585.752	2559.698	2549.855	2071.414	1910.226	2185.83
14079	PNISR	8709.024	-0.31698	0.158646	-1.99802	0.045715	0.086316	7941.023	12806.15	8238.851	7627.178	7730.746	7910.193
15895	LOC103225	226.7817	-0.31699	0.188069	-1.68548	0.091896	0.153699	245.023	268.2318	242.8102	180.8023	211.772	212.0507
8976	OSBPL8	4697.768	-0.31709	0.101524	-3.1233	0.001788	0.005296	4947.08	5809.682	4879.164	4113.81	4229.022	4207.849
7855	PLRG1	3455.552	-0.3171	0.091856	-3.45214	0.000556	0.001882	3826.588	3990.085	3688.768	3071.407	2945.555	3210.909
13032	RPS19BP1	842.2092	-0.31722	0.144303	-2.19832	0.027926	0.05696	1008.823	817.8333	982.3727	723.2091	673.8199	847.1977
13351	BORCS7	762.0963	-0.31723	0.148442	-2.13704	0.032595	0.064904	851.0756	711.0879	976.8068	660.7096	667.4025	705.4956
23802	ABI3	13.78953	-0.31731	0.727486	-0.43618	0.662708	0.740194	13.55216	15.32753	16.00182	17.85702	14.97377	5.024897
15675	LOC103245	229.1341	-0.31756	0.184424	-1.72188	0.085092	0.144317	256.4069	263.8525	240.7231	216.5163	205.3546	191.9511
22264	LOC119625	30.42482	-0.31761	0.466835	-0.68035	0.496281	0.5926	34.69353	35.03436	30.61218	29.01765	32.08666	21.10457
9180	ALDH2	3674.231	-0.3177	0.103799	-3.06074	0.002208	0.006394	4397.947	3885.529	3953.841	3276.762	3011.868	3519.438



17265	LOC119621	497.03	-0.31801	0.21833	-1.45655	0.145242	0.223646	735.0691	387.0202	531.5388	412.9435	500.5519	415.0565
11156	RGL2	2352.598	-0.31802	0.122722	-2.59134	0.00956	0.022782	2897.452	2254.242	2685.523	2069.182	1953.008	2256.179
10103	PDP1	1380.343	-0.31814	0.112082	-2.8385	0.004533	0.011927	1546.03	1628.55	1424.858	1158.474	1225.71	1298.433
10314	POLH	2355.513	-0.31816	0.114221	-2.78545	0.005345	0.013779	2513.654	2934.675	2397.49	2093.735	1976.538	2216.985
10408	ATP5F1B	29781.15	-0.31846	0.115214	-2.76411	0.005708	0.01458	36589.75	29168.29	33414.59	25551.16	24281.05	29682.07
8832	EXOC7	7180.154	-0.31858	0.100742	-3.16237	0.001565	0.004711	8178.457	8071.587	7669.047	6084.778	5946.728	7130.329
12631	ZNF8	545.0318	-0.31864	0.140077	-2.27478	0.022919	0.048239	576.2378	640.4718	601.8076	482.1394	444.935	524.5993
19312	LOC119624	100.587	-0.31881	0.281572	-1.13225	0.257527	0.354432	124.1378	101.8186	107.1426	84.82083	111.2338	74.36848
10758	KIF5B	27912.48	-0.31884	0.119052	-2.67819	0.007402	0.018292	28363.04	36967.27	27624.01	24486.43	24488.54	25545.57
8356	CEPT1	1639.296	-0.31893	0.09679	-3.29502	0.000984	0.003131	1859.356	1784.563	1814.467	1479.9	1450.317	1447.17
20676	LOC119625	103.9387	-0.31916	0.344971	-0.92519	0.354865	0.456282	82.39713	174.077	89.74935	78.12444	104.8164	94.46807
8773	PPP2R1B	2288.47	-0.3193	0.100373	-3.18113	0.001467	0.004445	2562.442	2541.633	2523.418	2071.414	1863.165	2168.746
17868	MCRIIP2	609.2229	-0.31932	0.23362	-1.36683	0.171679	0.255455	787.6515	413.8433	830.0075	564.7281	447.0741	612.0325
22765	LOC103230	33.2498	-0.31945	0.533175	-0.59915	0.549075	0.64121	27.10432	39.96106	43.13534	51.33892	12.83466	25.12449
10603	PHACTR1	1085.976	-0.31977	0.117511	-2.72117	0.006505	0.01631	1158.981	1313.788	1147.261	924.1006	964.7389	1006.989
20059	LOC103231	83.12695	-0.31987	0.313846	-1.0192	0.308106	0.40832	94.32303	105.1031	79.31338	53.57105	77.00798	89.44317
12319	PCNX2	514.6651	-0.3201	0.136665	-2.34222	0.019169	0.041368	594.1267	555.0756	567.7168	457.586	432.1004	481.3852
10229	LOC103241	1172.077	-0.32014	0.114005	-2.80809	0.004984	0.012952	1346	1349.37	1205.007	1066.957	1080.251	984.8799
9560	SEMA7A	13280.02	-0.32014	0.107823	-2.96916	0.002986	0.008304	15772.55	13512.31	14966.57	11477.6	10759.73	13191.36
10977	FN1	413248.2	-0.32022	0.121563	-2.63417	0.008434	0.020427	410477	544471.1	421825.4	357553.3	345977.6	399184.9
11070	SIRT7	1153.388	-0.3203	0.122651	-2.61145	0.009016	0.021652	1315.644	1204.853	1329.543	964.2789	958.3216	1147.687
9193	EDRF1	1329.36	-0.32036	0.104822	-3.0562	0.002242	0.006482	1516.216	1493.339	1421.379	1200.884	1127.311	1217.03
8641	FLII	8532.547	-0.32037	0.099584	-3.21708	0.001295	0.003984	9776.528	9098.532	9562.132	7520.036	6883.658	8354.394
22067	LOC119626	51.06523	-0.32042	0.448601	-0.71427	0.475059	0.572323	42.28274	84.84883	41.74388	40.17829	64.17332	33.16432
20712	LOC119618	58.69265	-0.32059	0.349294	-0.91783	0.358705	0.460418	59.08741	65.14201	70.9646	42.41041	66.31243	48.23901
25254	LOC119627	2.394361	-0.32085	1.548826	-0.20716	0.835885	0.87994	2.168345	1.642235	4.174388	2.232127	2.139111	2.009959
27560	LOC119628	0.528887	-0.32086	3.970519	-0.08081	0.935593	NA	2.168345	0	0	0	0	1.004979
28126	LOC119616	0.528887	-0.32086	3.970519	-0.08081	0.935593	NA	2.168345	0	0	0	0	1.004979
10253	GPANK1	1202.755	-0.32101	0.114616	-2.80079	0.005098	0.013218	1321.064	1438.051	1252.316	1040.171	1035.33	1129.597
23890	LOC103238	14.26719	-0.32119	0.757439	-0.42405	0.671532	0.747287	24.39389	6.568942	16.00182	15.62489	14.97377	8.039836
11503	DHODH	620.1785	-0.32124	0.127707	-2.51545	0.011888	0.027475	678.6921	721.4888	665.1192	549.1032	569.0034	537.664
10916	SKIL	3128.689	-0.32134	0.121353	-2.64801	0.008097	0.019719	3259.565	4025.666	3145.402	2765.605	2601.159	2974.739
9245	NPNT	22724.34	-0.32161	0.105666	-3.04361	0.002338	0.006722	23998.16	28586.94	23159.51	19857	19284.08	21460.33
12431	CEP131	801.2775	-0.32166	0.138928	-2.31533	0.020595	0.044041	926.9677	832.066	917.6697	712.0485	613.9248	804.9886
21463	LOC103242	53.97016	-0.32167	0.397815	-0.80858	0.418755	0.518688	61.25576	56.38342	59.8329	64.73168	53.47777	28.13943
10640	PDAP1	6145.2	-0.32169	0.118774	-2.70842	0.00676	0.016892	6156.475	8017.941	6310.979	5330.319	5304.994	5750.493
10997	NKRF	830.7121	-0.32184	0.122366	-2.63014	0.008535	0.020634	948.1091	973.2982	848.0965	743.2983	718.7412	752.7296
11283	FUBP3	2627.473	-0.32185	0.125654	-2.56144	0.010424	0.024561	2698.506	3427.345	2635.43	2220.966	2295.266	2487.324
8494	ZNF473	2173.135	-0.32198	0.098848	-3.25732	0.001125	0.00352	2479.503	2444.741	2325.134	1883.915	1850.331	2055.183
22150	LOC103233	43.5956	-0.32202	0.460349	-0.69952	0.484228	0.581182	59.08741	29.56024	56.35424	26.78552	55.61688	34.1693
8047	UBE2Z	5145.759	-0.32205	0.094708	-3.40041	0.000673	0.002223	5510.308	6129.917	5517.846	4542.378	4355.229	4818.877
8315	PE51	4808.307	-0.3221	0.097336	-3.30922	0.000936	0.002991	5297.81	5609.329	5128.932	4178.542	4002.276	4632.955
20874	LOC103235	68.27177	-0.32215	0.35995	-0.89498	0.3708	0.47227	64.50828	104.0082	58.44144	55.80317	70.59065	56.27885
7664	OTUB1	3535.455	-0.32218	0.091934	-3.50447	0.000458	0.001587	4105.22	3710.357	3971.93	3189.709	3039.676	3195.835
9823	RXYLT1	1296.509	-0.32235	0.11115	-2.90013	0.00373	0.010095	1480.438	1475.822	1371.287	1093.742	1116.616	1241.15
12076	LOC103244	545.9397	-0.32244	0.134763	-2.39267	0.016726	0.036824	613.6418	609.2693	599.7204	495.5322	444.935	512.5395
10599	NRDC	8051.367	-0.32256	0.118473	-2.72261	0.006477	0.016246	8196.888	10482.94	8167.191	6819.148	6999.17	7642.869
9315	TMEM245	4383.427	-0.32276	0.106546	-3.02932	0.002451	0.006995	4670.616	5301.136	4650.268	3843.723	3578.732	4256.088
9606	SUPT5H	7078.045	-0.32323	0.109195	-2.96015	0.003075	0.00851	7651.549	8644.727	7314.224	6107.099	5784.155	6966.518
6294	GABB1A	9741.28	-0.32327	0.080232	-4.02922	5.60E-05	0.000236	10730.06	11087.28	10669.04	8366.012	8823.832	8771.461
15787	GABBR1	298.56	-0.32328	0.189716	-1.70402	0.088378	0.148827	300.3158	391.3994	302.6431	296.8729	243.8586	256.2698
9122	MTERF3	1390.103	-0.3233	0.105115	-3.07567	0.0021	0.006121	1593.734	1534.943	1510.433	1158.474	1255.658	1287.379
11327	PGAP4	1037.034	-0.3234	0.126752	-2.55143	0.010728	0.025177	1257.64	1086.612	1119.432	899.5472	844.9487	1014.024
18569	LOC119627	129.1185	-0.32344	0.260796	-1.24022	0.214894	0.307662	166.4205	134.6633	132.189	91.51721	111.2338	138.6872
24424	LOC103227	7.258876	-0.32371	0.948086	-0.34143	0.732779	0.797614	7.589209	7.116354	9.740239	8.928508	2.139111	8.039836
21712	ARHGAP9	53.16777	-0.32371	0.417103	-0.7761	0.437689	0.535923	49.87195	56.38342	68.87741	53.57105	64.17332	26.12947
10201	CSTF1	1601.566	-0.32385	0.115005	-2.81592	0.004864	0.012676	1760.697	1976.704	1603.661	1419.633	1424.648	1424.056
10989	TEX2	2627.595	-0.32392	0.12308	-2.63177	0.008494	0.020549	2683.87	3395.048	2689.002	2261.145	2231.092	2505.414
20006	LOC119628	93.46723	-0.32393	0.314869	-1.02878	0.303583	0.403417	125.764	82.65918	100.881	98.21359	91.98176	61.30375
12234	ACTR3B	584.9644	-0.32404	0.137304	-2.36002	0.018274	0.039711	684.6551	654.1571	612.9393	470.9788	560.447	526.6092
8550	HERC4	3370.161	-0.32405	0.099996	-3.24066	0.001193	0.003708	3982.166	3568.578	3695.725	2765.605	3048.233	3160.66
8770	MIEF1	2700.792	-0.32416	0.101881	-3.18176	0.001464	0.004437	3006.953	3082.476	2927.638	2236.591	2323.074	2628.021
11392	PSME3IP1	1484.108	-0.32418	0.127698	-2.53869	0.011127	0.025966	1479.354	1920.321	1551.481	1310.259	1300.579	1342.653
22903	LOC119628	21.43532	-0.3242	0.559944	-0.57899	0.562595	0.653041	23.30971	29.56024	18.08902	22.32127	19.252	16.07967
18854	LOC119629	104.8661	-0.32426	0.267624	-1.21161	0.225661	0.318192	115.4644	122.0728	109.9256	102.6778	102.6773	76.37844
12855	LRRN4	451.8673	-0.32427	0.145563	-2.22772	0.025899	0.053561	492.2144	540.8429	473.0973	419.6399	391.4573	393.952
13509	LOC119627	411.1368	-0.32441	0.154066	-2.10563	0.035236	0.069343	474.3256	420.9597	474.4888	401.7829	346.5359	348.7279
9904	CEP20	2425.059	-0.32447	0.112495	-2.88429	0.003923	0.01053	2484.382	3049.084	2554.03	2162.931	2207.562	2092.367
10714	PLPP1	1601.38	-0.32462	0.120727	-2.68885	0.00717	0.017791	1683.178	2024.876	1634.969	1352.669	1467.43	1445.16
8515	CYB5R3	6177.116	-0.3249	0.099875	-3.25306	0.001142	0.003565	6419.929	7261.965	6932.267	5653.978	4994.823	5799.737
9196	RANBP3	2137.218	-0.32501	0.106368									



12384	LOC103215	576.0259	-0.32537	0.139887	-2.32594	0.020022	0.042981	697.6652	616.9331	610.8521	495.5322	483.439	551.7337
9641	POT1	1121.665	-0.32543	0.110324	-2.94979	0.00318	0.008768	1251.677	1194.453	1293.365	1022.314	1022.495	945.6857
11714	WDR62	623.0552	-0.32545	0.131829	-2.46869	0.013561	0.030777	735.0691	637.7348	706.8631	546.8711	554.0297	557.7636
11667	TRAF6	1282.411	-0.32569	0.131432	-2.47805	0.01321	0.030096	1389.909	1600.632	1291.277	1207.581	1001.104	1203.965
10303	DOCK1	6835.854	-0.32592	0.116923	-2.78751	0.005312	0.013704	7156.082	8844.533	6816.776	6017.814	5752.069	6427.849
13216	GORAB	681.5781	-0.32597	0.150542	-2.16531	0.030364	0.06108	731.8166	731.3422	805.6569	609.3707	703.7674	507.5146
14727	TMEM59L	541.3494	-0.32598	0.173015	-1.88412	0.059548	0.107496	717.7224	482.2698	608.0692	446.4254	494.1346	499.4748
12724	RUNX1	1649.821	-0.32618	0.144806	-2.25256	0.024287	0.050744	1602.407	2244.936	1660.015	1357.133	1538.021	1496.414
11930	TASP1	609.0068	-0.32622	0.134865	-2.4189	0.015568	0.034691	737.2375	659.0838	637.9857	515.6213	543.3341	560.7785
11891	DLG1	4885.783	-0.32623	0.13439	-2.42747	0.015204	0.033993	4839.747	6682.256	4786.632	4160.685	4370.203	4475.174
11631	ORC5	578.0224	-0.32627	0.13119	-2.48701	0.012882	0.029443	614.1839	671.1269	642.1601	517.8535	528.3603	494.4499
20668	LOC119618	72.97644	-0.32629	0.352184	-0.92646	0.354205	0.455609	95.94929	52.55153	95.3152	60.26743	68.45154	65.32367
11366	CAPRIN2	1916.154	-0.32629	0.128199	-2.54518	0.010922	0.025544	1984.578	2431.056	1986.313	1618.292	1572.246	1904.436
20197	LOC103245	64.58829	-0.32649	0.327477	-0.997	0.318767	0.419588	79.6867	64.04718	72.35606	49.10679	62.03421	60.29877
21770	LOC119618	40.37609	-0.3265	0.426897	-0.76481	0.444382	0.542668	50.41403	31.74989	52.87558	37.94616	32.08666	37.18424
14338	HNRNPA2F1	14263.01	-0.3265	0.167039	-1.95463	0.050627	0.093871	13118.49	21475.51	13017.83	11874.92	12650.7	13440.6
14964	LOC119627	1001.511	-0.32657	0.177374	-1.84114	0.065601	0.116546	927.5098	1467.064	949.6733	837.0476	894.1483	933.6259
7629	VMA21	6449.402	-0.32708	0.09303	-3.51582	0.000438	0.001528	7014.598	7740.95	6777.119	5495.497	5899.667	5768.582
16643	LIME1	370.2038	-0.32712	0.21103	-1.55009	0.121121	0.193475	450.4738	299.9817	488.4034	325.8905	286.6408	369.8324
22533	LOC119624	31.22341	-0.3272	0.514696	-0.63571	0.524964	0.619338	32.52518	33.39212	36.87376	24.5534	44.92132	15.07469
14466	FAM171A2	666.6947	-0.32722	0.169426	-1.93132	0.053443	0.098216	766.5101	635.5451	828.6161	620.5313	470.6043	678.3611
13070	CAND2	674.834	-0.32722	0.149188	-2.19336	0.028281	0.057526	797.409	739.5534	722.1692	593.7458	502.691	693.4358
11671	LOC103240	6381.637	-0.3275	0.132211	-2.47712	0.013245	0.03017	6233.993	8714.249	6361.768	5542.371	5572.383	5865.06
7095	HSD17B12	5492.295	-0.32753	0.088557	-3.69857	0.000217	0.000812	5977.586	6503.8	5859.45	4781.216	4877.172	4954.549
19266	LOC119624	103.5647	-0.32767	0.287057	-1.14147	0.253675	0.350044	118.1748	94.70224	130.7975	102.6778	102.6773	72.35852
9449	SMG5	5926.777	-0.32789	0.109377	-2.99777	0.00272	0.007652	6895.881	6306.732	6599.708	5062.464	4725.295	5970.583
19230	LOC103244	92.67564	-0.32791	0.285412	-1.14889	0.250603	0.346452	114.9223	91.96518	100.881	84.82083	94.12087	69.34358
9702	SNRPA1	1778.732	-0.32794	0.11198	-2.92853	0.003406	0.009332	1791.595	2086.186	2058.669	1573.65	1674.924	1487.37
11321	GYPC	901.35	-0.328	0.128506	-2.55238	0.010699	0.025124	939.4357	1129.311	942.0203	805.7978	776.4972	815.0383
24575	LOC103227	6.019747	-0.32819	1.026104	-0.31984	0.749091	0.810359	7.047123	6.02153	6.957314	8.928508	2.139111	5.024897
12509	LOC103245	419.7955	-0.32823	0.142711	-2.29994	0.021451	0.04559	469.9889	475.7009	456.3998	372.7652	370.0661	373.8524
27963	LOC119627	0.530663	-0.3283	3.483744	-0.09424	0.92492	NA	1.084173	1.094824	0	0	0	1.004979
20868	LOC103237	50.51069	-0.32875	0.367097	-0.89554	0.370497	0.471942	56.37698	51.45671	59.8329	46.87467	51.33866	37.18424
7014	PTGES3	6962.2	-0.32894	0.088224	-3.72847	0.000193	0.00073	7484.044	8270.298	7502.071	6046.832	6344.602	6125.35
17486	ODF2L	193.2283	-0.32916	0.232926	-1.41314	0.157613	0.23947	213.0399	262.2103	170.4542	149.5525	188.2417	175.8714
17689	LOC119623	130.3424	-0.32946	0.237541	-1.38695	0.165458	0.248669	132.8112	158.202	145.4079	116.0706	106.9555	122.6075
22138	LOC103246	31.89425	-0.32946	0.469568	-0.70163	0.48291	0.579915	36.31979	37.224	32.00364	40.17829	23.53022	22.10955
14350	ANKS3	586.0385	-0.32958	0.168794	-1.95253	0.050875	0.094251	748.6213	539.748	674.1637	493.3001	468.4652	591.9329
13986	SLC9A5	457.5552	-0.32958	0.163719	-2.01307	0.044107	0.08384	591.4162	445.5932	491.8821	379.4616	429.9612	407.0167
7548	PELO	3674.931	-0.32963	0.093039	-3.54292	0.000396	0.001394	4286.819	3862.538	4133.34	3252.209	3135.936	3378.741
15048	TEPSIN	571.2916	-0.32964	0.180702	-1.8242	0.068121	0.120348	704.1702	511.83	697.8186	493.3001	425.683	594.9478
22049	LOC103237	32.93349	-0.32972	0.460371	-0.71619	0.473871	0.571349	31.44101	42.69812	36.87376	29.01765	21.39111	36.17926
23522	LOC119627	14.64358	-0.32987	0.687584	-0.47976	0.6314	0.71362	19.51511	11.49565	17.39328	11.16063	19.252	9.044815
19335	SPATA1	87.56378	-0.32993	0.292167	-1.12924	0.258796	0.355836	94.86511	91.41777	104.3597	82.5887	89.84265	62.30873
12361	ZNRD2	747.5872	-0.33006	0.141687	-2.32948	0.019834	0.042657	873.8432	707.8035	916.2782	680.7987	654.5679	652.2317
10198	ABCB6	1595.111	-0.33022	0.117237	-2.81667	0.004852	0.01265	1879.413	1642.235	1815.859	1290.169	1388.283	1554.703
7743	AXIN1	2043.679	-0.33027	0.094901	-3.4802	0.000501	0.00172	2282.184	2266.832	2284.782	1810.255	1732.68	1885.341
22541	LOC119623	24.9815	-0.33036	0.520807	-0.63432	0.52587	0.620214	27.10432	26.82318	28.52499	24.5534	27.80844	15.07469
9410	DIS3L	1694.023	-0.33053	0.10999	-3.00508	0.002655	0.007501	1799.727	2027.613	1838.818	1383.919	1525.186	1588.873
11027	MLU	1638.616	-0.33061	0.126002	-2.62386	0.008694	0.02096	1673.963	2120.673	1682.278	1491.061	1390.442	1473.3
13272	SC16A3	5003.349	-0.33069	0.153567	-2.1534	0.031287	0.062671	6391.74	4236.967	6099.477	4341.487	3929.546	5020.877
10679	UBE2I	4037.697	-0.33078	0.122634	-2.69726	0.006991	0.017404	4291.698	5272.123	3932.274	3379.44	3715.635	3635.011
19316	FOXA1	112.2438	-0.33083	0.292197	-1.13222	0.257543	0.354432	102.9964	141.2322	133.5804	100.4457	70.59065	124.6175
11088	PCNX3	3001.193	-0.33085	0.126845	-2.60826	0.0091	0.021819	3568.012	2889.787	3581.625	2482.125	2470.673	3014.938
10535	BHLA57	2150.797	-0.33086	0.120839	-2.73803	0.006181	0.015597	2246.948	2738.701	2207.556	1796.862	1869.583	2045.133
11594	BOLA2B	742.3073	-0.33111	0.132648	-2.49617	0.012554	0.028787	818.0083	838.6349	818.1801	716.5128	686.6545	575.8532
10299	ARPC5L	832.1928	-0.33113	0.118717	-2.78927	0.005283	0.013636	951.3616	868.1951	962.8922	729.9055	740.1323	740.6699
21709	LOC119627	42.25906	-0.33115	0.426463	-0.7765	0.437455	0.53571	59.6295	34.48694	47.30973	29.01765	44.92132	38.18922
9242	NGRN	4658.21	-0.33129	0.108831	-3.04408	0.002334	0.006714	4897.208	5864.97	4812.374	4185.238	3893.181	4296.287
10882	GMCL1	1191.438	-0.33131	0.12486	-2.65343	0.007968	0.019466	1228.91	1512.499	1241.185	1069.189	1039.608	1057.238
10246	ACP6	1242.38	-0.3316	0.118274	-2.80361	0.005053	0.013112	1374.189	1417.797	1369.199	1051.332	1009.66	1232.105
9942	ACTR6	1298.664	-0.33198	0.115412	-2.87648	0.004021	0.010753	1566.088	1338.422	1438.077	1084.814	1212.876	1151.706
24400	LOC103236	9.978306	-0.33199	0.95793	-0.34657	0.728915	0.794156	16.26259	1.642235	15.30609	8.928508	10.69555	7.034856
21382	LOC103217	63.43544	-0.332	0.40518	-0.8194	0.412561	0.512952	59.08741	108.3875	44.52681	53.57105	57.75599	57.28383
21818	TRPV4	39.4411	-0.33216	0.438651	-0.75724	0.448907	0.546946	58.00324	33.39212	39.65669	37.94616	38.50399	29.1444
14860	ADGRF3	307.6802	-0.33243	0.178671	-1.86057	0.062805	0.11236	347.4774	319.6885	358.3017	267.8552	316.5884	236.1702
23242	LOC103247	24.0173	-0.33248	0.635743	-0.52298	0.600989	0.687432	41.19856	9.306001	29.91645	22.32127	19.252	22.10955
23182	LOC119620	17.47107	-0.33261	0.624206	-0.53286	0.594131	0.681347	20.0572	18.06459	20.17621	8.928508	23.53022	14.06971
11020	CRY1	863.1552	-0.33285	0.126823	-2.62454	0.008677	0.02093	1000.149	974.9404	917.6697	703.12	735.8541	847.1977
18230	KRT28	102.4301	-0.33291	0.257	-1.29537	0.195193	0.284652	116.0065	114.4091	112.7085	89.28508	87.70354	94.46807
6615	LOC103245	4564.992	-0.333	0.085466	-3.89633	0.977E-05							



9530	METTL15	1112.05	-0.33325	0.111963	-2.97641	0.002916	0.008134	1291.792	1155.586	1273.188	957.5825	1003.243	990.9098
22809	LOC119621	32.36511	-0.3333	0.564408	-0.59053	0.554833	0.646685	18.43094	64.04718	25.74206	29.01765	27.80844	29.1444
8598	WWP2	1828.131	-0.33331	0.103191	-3.22999	0.001238	0.003828	2094.622	2044.036	1982.834	1562.489	1540.16	1744.644
20409	LOC119618	64.67062	-0.33331	0.347257	-0.95983	0.33714	0.439163	78.60252	79.92212	56.35424	71.42806	53.47777	48.23901
8385	GATAD1	1815.826	-0.3334	0.101418	-3.28739	0.001011	0.003206	2116.305	1965.208	1997.445	1531.239	1589.359	1695.4
9541	SMARCAL1	2214.382	-0.33341	0.112102	-2.97418	0.002938	0.008186	2528.833	2392.19	2495.588	1868.29	1790.436	2210.955
22111	LOC103225	32.21204	-0.33355	0.472001	-0.70667	0.47977	0.576863	44.45108	28.46541	34.09084	26.78552	36.36488	23.11453
9362	LOC103225	1057.995	-0.33358	0.11062	-3.01552	0.002565	0.007283	1184.459	1226.75	1129.868	901.7793	943.3478	961.7654
12942	LOC119621	569.316	-0.33361	0.150616	-2.21497	0.026762	0.054973	709.5911	570.9505	627.5497	453.1218	506.9692	547.7138
9658	TEAD1	10155.78	-0.33363	0.113313	-2.94431	0.003237	0.008909	10610.8	12914.54	10455.45	8526.725	8586.39	9840.759
26683	SPUNK7	0.532438	-0.33391	3.969877	-0.08411	0.932969	NA	0	2.189647	0	0	0	1.004979
9292	FINDC2	3780.565	-0.33395	0.110061	-3.03421	0.002412	0.0069	4093.294	3998.843	4548.692	3462.029	3610.819	2969.714
9459	FARSA	1918.538	-0.33407	0.111539	-2.99513	0.002743	0.00771	2214.965	2150.234	2062.148	1569.185	1619.307	1895.391
8136	NEK9	6168.007	-0.33425	0.099225	-3.36865	0.000755	0.002468	7072.059	6904.505	6671.368	5160.678	5142.422	6057.011
10328	STK16	3228.154	-0.33426	0.120141	-2.78221	0.005399	0.013898	3881.338	3035.399	3887.747	2861.587	2723.088	2979.764
9144	INPP5B	1475.115	-0.33445	0.109021	-3.06779	0.002156	0.00627	1686.431	1652.636	1600.878	1345.973	1182.928	1381.847
16900	LOC103236	159.2338	-0.33456	0.222067	-1.50658	0.131917	0.207516	176.7202	182.8355	170.4542	151.7846	154.016	119.5926
22411	TRNAF-GA	29.267	-0.33467	0.511242	-0.65461	0.512718	0.608191	31.44101	21.89647	45.22254	20.08914	27.80844	29.1444
22042	LOC103215	29.63314	-0.33478	0.466252	-0.71802	0.472745	0.570155	36.86187	29.56024	32.69937	29.01765	23.53022	26.12947
11760	PWWP2A	1854.248	-0.33485	0.136367	-2.45547	0.01407	0.031803	1920.612	2489.629	1795.683	1660.702	1576.525	1682.336
10101	MRPS30	4748.486	-0.33487	0.117964	-2.83876	0.004529	0.01192	4872.814	6208.197	4808.2	4334.791	4160.57	4106.346
16714	LOC119621	222.5861	-0.33488	0.217511	-1.53961	0.123655	0.196683	203.8245	300.5291	239.3316	189.7308	218.1893	183.9112
8969	TUBA1C	23453.43	-0.33502	0.107157	-3.12639	0.00177	0.005246	24547.84	30170.6	23773.84	20863.69	20650.97	20713.63
10655	SEM1	5258.41	-0.33506	0.123995	-2.7022	0.006888	0.017186	5160.662	6970.195	5464.97	4683.002	4838.668	4432.964
15154	SRRM1	4035.919	-0.3351	0.185639	-1.8051	0.071059	0.124661	3512.72	6350.524	3644.241	3453.1	3645.045	3609.886
8769	LOC103245	2086.105	-0.33513	0.105316	-3.18208	0.001462	0.004433	2430.715	2248.22	2299.392	2024.539	1736.958	1776.804
15723	AVIL	235.4978	-0.33536	0.195725	-1.71344	0.086632	0.146471	275.922	252.9043	258.1163	180.8023	250.2759	194.966
11747	LOC103234	742.2631	-0.33552	0.136436	-2.45916	0.013926	0.031517	879.8062	745.0275	863.4026	665.1738	594.6728	705.4956
18407	MAPK13	115.0532	-0.33553	0.265475	-1.26388	0.206274	0.29792	134.9795	108.935	139.1463	111.6063	111.2338	84.41828
11811	LINS1	549.2269	-0.33564	0.13719	-2.44653	0.014424	0.032466	664.0558	597.7737	576.7613	473.2109	494.1346	489.425
8410	PIH1D1	2047.981	-0.33565	0.102374	-3.27864	0.001043	0.003297	2231.77	2467.185	2158.159	1772.309	1803.27	1855.192
8377	WDR35	4419.059	-0.33575	0.102031	-3.29067	0.001	0.003172	4960.09	5389.817	4442.245	3814.705	4000.137	3907.36
6513	MRPS35	3809.142	-0.33592	0.085396	-3.93371	8.36E-05	0.000341	4174.607	4355.756	4218.915	3435.243	3366.96	3303.368
11188	ARP3B1	5602.92	-0.33594	0.129977	-2.58464	0.009748	0.023163	5707.627	5446.185	4924.072	4832.251	5103.286	
8647	RAB8B	2936.859	-0.33624	0.104556	-3.2159	0.0013	0.003998	3113.202	3615.655	3107.136	2566.946	2502.759	2715.455
22829	LOC119621	20.09649	-0.33629	0.571738	-0.58819	0.556405	0.64781	20.0572	19.15941	28.52499	15.62489	17.11289	20.09959
10541	GGNBP2	3290.113	-0.33629	0.1229	-2.73631	0.006213	0.01567	3411.35	4296.635	3310.29	2720.963	2941.277	3060.162
14434	PLA2G4B	314.8067	-0.3363	0.173551	-1.93777	0.052651	0.096975	394.6389	321.3307	337.4297	299.105	260.9715	275.3644
9610	SMARCA4	1404.227	-0.33631	0.113671	-2.95866	0.00309	0.008548	7620.65	9533.177	7639.826	6611.56	6139.248	6882.099
9708	SMND1	7169.444	-0.33674	0.115046	-2.927	0.003422	0.009372	1300.465	1344.443	1271.101	935.2612	1123.033	1041.159
23692	NPY1R	16.6028	-0.3368	0.741275	-0.45435	0.649579	0.728869	17.88885	21.89647	14.61036	13.39276	27.80844	4.019918
7964	MKRN2	2873.836	-0.33684	0.098466	-3.42093	0.000624	0.002083	3376.114	3099.446	3154.446	2421.858	2470.673	2720.479
11453	GLMN	776.8238	-0.33696	0.133404	-2.52585	0.011542	0.026791	965.4558	779.5144	856.4453	662.9417	710.1847	686.401
21781	FAM83E	39.89055	-0.33702	0.441839	-0.76278	0.445597	0.543877	53.66655	30.65506	48.7012	31.24978	44.92132	30.14938
15753	LOC103242	205.5515	-0.33703	0.197316	-1.70806	0.087625	0.147877	213.582	238.6716	233.7657	191.9629	192.52	162.8067
7207	BFAR	4707.388	-0.33712	0.092008	-3.66404	0.000248	0.000916	5307.026	5370.657	5094.145	4080.328	3938.103	4454.069
7191	CEP192	4136.008	-0.33718	0.091903	-3.66882	0.000244	0.000901	4692.842	4761.935	4401.892	3482.118	3632.21	3845.051
23146	TRNAS-GCI	16.04631	-0.33725	0.627622	-0.53734	0.591033	0.678848	15.7205	20.25424	18.08902	11.16063	14.97377	16.07967
23496	TRNAL-CA	14.08604	-0.33733	0.695034	-0.48534	0.627436	0.709924	15.17842	20.80165	11.82743	8.928508	10.69555	17.08465
14303	TARS3	398.5789	-0.33734	0.172051	-1.96069	0.049915	0.092778	404.3964	528.2524	401.437	343.7476	367.927	345.7129
24044	LOC119623	8.784082	-0.33736	0.843588	-0.39991	0.689225	0.762063	9.215468	9.853413	10.43597	4.464254	10.69555	8.039836
8192	FKTN	2304.455	-0.33748	0.100787	-3.34843	0.000813	0.002637	2560.274	2759.503	2397.49	1995.522	2089.911	2024.029
23733	LOC103235	11.94103	-0.33754	0.753344	-0.44806	0.654112	0.732691	13.55216	8.758589	17.39328	8.928508	14.97377	8.039836
22378	LOC103215	26.03455	-0.33759	0.510205	-0.66168	0.508174	0.60371	28.73058	25.18094	32.69937	31.24978	19.252	19.09461
9664	ATF6	8932.629	-0.33761	0.114767	-2.94166	0.003265	0.008981	9272.387	11630.31	9019.461	7836.998	7595.982	8241.837
10225	HP1BP3	5110.891	-0.33774	0.12025	-2.80865	0.004975	0.012934	5262.574	6733.165	5123.366	4595.949	4340.256	4608.836
12077	ADAMTSL4	515.6961	-0.33777	0.141188	-2.39231	0.016743	0.036855	561.6015	592.847	576.7613	408.4792	462.0479	492.4399
9146	KANSL1	3797.353	-0.33783	0.110132	-3.06752	0.002158	0.006274	3960.483	4814.487	3947.58	3299.084	3262.144	3500.343
11732	PIBF1	1310.642	-0.33797	0.137202	-2.46331	0.013766	0.031194	1343.832	1723.252	1319.802	1151.778	1242.823	1082.363
10957	SMIM11A	982.6337	-0.33813	0.128173	-2.63807	0.008338	0.02023	1078.21	1024.755	1184.135	964.2789	853.5052	790.9188
17717	LOC119623	220.4912	-0.33861	0.245055	-1.38178	0.167039	0.250641	325.7939	184.4778	229.5914	174.1059	198.9373	210.0407
11587	BBS5	1242.578	-0.33897	0.135748	-2.49703	0.012524	0.028735	1327.57	1323.094	1505.563	1241.063	1131.59	926.5911
9997	MED8	910.7907	-0.33898	0.11844	-2.86199	0.00421	0.011195	1060.863	944.2854	1047.771	821.4227	774.3581	816.0433
12829	PARS2	813.0492	-0.339	0.151766	-2.2337	0.025503	0.052849	942.6882	859.4365	926.0185	794.6372	562.5861	792.9288
8552	FAM20B	6517.249	-0.33909	0.104645	-3.2404	0.001194	0.003711	7128.436	8086.367	6628.233	5676.299	5488.958	6095.2
9520	TIGAR	1313.216	-0.33918	0.113849	-2.97925	0.00289	0.008069	1380.694	1608.843	1410.247	1133.921	1197.902	1147.687
12723	CCDC47	4040.5	-0.33948	0.150697	-2.25276	0.024274	0.050722	3907.359	5804.207	3829.305	3607.117	3493.168	3601.846
22404	PDPN	32.01223	-0.3396	0.517608	-0.6561	0.511758	0.607261	34.69353	31.20247	39.65669	44.64254	27.80844	14.06971
10330	CUNH19or	3259.1	-0.33991	0.122202	-2.78156	0.00541	0.013923	3931.752	3023.355	3969.843	2816.944	2911.33	2901.376
22993	TRNAS-AG	18.99066	-0.34013	0.602247	-0.56476	0.572236	0.661602	19.51511	20.80165	23.65487	22.32127	8.556443	19.09461
17051	ITGAE	449.8229	-0.34013	0.228777	-1.48673	0.137087	0.213739	584.9112	319.1411	602.503			



20535	LOC103220	52.4188	-0.3405	0.361151	-0.94281	0.345778	0.447515	55.8349	62.40495	56.35424	55.80317	44.92132	39.1942
23458	LOC103220	14.03096	-0.34052	0.692822	-0.4915	0.623075	0.706132	9.757555	16.96977	20.17621	13.39276	12.83466	11.05477
18005	CYB561D2	308.4874	-0.34076	0.253952	-1.34182	0.179655	0.265266	439.632	210.7535	385.4352	258.9267	256.6933	299.4839
20140	LOC103247	70.89315	-0.3408	0.339027	-1.00524	0.314783	0.415517	103.5385	69.5213	64.00729	66.96381	62.03421	59.29379
17435	CUNH19orf	501.6331	-0.34085	0.239957	-1.42047	0.155471	0.237063	663.5137	333.9212	685.9911	459.8182	387.179	479.3752
7494	POLR1F	2994.596	-0.34106	0.095721	-3.563	0.000367	0.001301	3204.273	3579.526	3258.806	2551.321	2680.306	2693.345
7725	MRPL39	2429.22	-0.34127	0.097955	-3.48391	0.000494	0.001701	2726.111	2738.399	2040.164	2320.935	2071.263	
9744	PHTF2	933.3943	-0.34131	0.116954	-2.91829	0.00352	0.009602	1024.543	1116.72	987.9385	841.5119	808.5838	821.0682
11089	ZNF106	5084.026	-0.34137	0.130883	-2.6082	0.009102	0.02182	5137.895	6886.441	5026.659	4339.255	4340.256	4773.652
13894	LOC119623	334.0887	-0.34155	0.168108	-2.03172	0.042182	0.080711	404.3964	342.6798	372.2163	274.5516	327.2839	283.4042
9650	TPM4	12359.95	-0.34165	0.11595	-2.94649	0.003214	0.008855	12573.15	16310.14	12565.6	11035.64	10832.46	10842.72
8040	MRPS2	2095.791	-0.34168	0.100443	-3.40173	0.00067	0.002214	2336.934	2421.75	2275.042	1843.737	1730.541	1966.745
21897	IRF8	30.14486	-0.34174	0.45888	-0.74472	0.456444	0.554165	32.52518	35.58177	33.39511	24.5534	25.66933	29.1444
24020	LOC119623	8.468113	-0.34176	0.846734	-0.40362	0.686494	0.759802	10.29964	9.306001	9.044508	6.696381	6.417332	9.044815
20581	LOC103220	63.51821	-0.34182	0.363387	-0.94064	0.34689	0.448086	81.31296	48.17224	84.1835	55.80317	51.33866	60.29877
10953	PHF10	1319.302	-0.34184	0.129546	-2.63872	0.008322	0.020199	1358.468	1686.028	1383.81	1066.957	1174.372	1246.175
7799	MED6	1585.444	-0.34189	0.098655	-3.4655	0.000529	0.001804	1795.932	1724.895	1794.291	1397.311	1437.482	1362.752
10375	TTC14	2596.841	-0.34201	0.123463	-2.77014	0.005603	0.014356	2615.025	3404.901	2691.785	2229.895	2254.623	2384.816
10606	POLE3	948.2244	-0.34223	0.125812	-2.72021	0.006524	0.016353	1052.732	1141.901	983.7642	917.4042	776.4972	817.0483
7541	COPS9	2508.499	-0.34227	0.096526	-3.54592	0.000391	0.001379	2793.913	2688.339	2927.638	2225.431	2310.24	2105.432
6036	MRPS10	4545.295	-0.34241	0.08254	-4.14847	3.35E-05	0.000147	5051.161	5185.085	5009.962	4035.686	3983.024	4006.853
13063	PRPF38B	3295.592	-0.34245	0.15608	-2.19405	0.028232	0.057456	3234.087	4781.642	3038.955	2828.105	2939.138	2951.625
9388	KNSTRN	1941.405	-0.3425	0.113798	-3.00968	0.002615	0.007406	2092.995	2402.59	2011.359	1767.845	1779.74	1593.897
8441	TMEM248	7862.612	-0.34256	0.104721	-3.27122	0.001071	0.003373	8627.305	9622.952	8131.013	6886.112	6398.08	7510.212
7724	LOC103230	3045.387	-0.34263	0.098319	-3.48485	0.000492	0.001695	3473.689	3399.427	3350.642	2627.213	2504.899	2916.45
13484	LOC103248	437.2647	-0.34269	0.162393	-2.11027	0.034835	0.068681	517.6925	424.2442	528.0601	348.2118	389.3181	416.0615
19260	FSIP1	93.39979	-0.3427	0.299881	-1.14278	0.253129	0.349382	110.0435	106.7453	94.61947	71.42806	111.2338	66.32864
12363	DET1	467.0841	-0.34272	0.147136	-2.32927	0.019845	0.042673	522.5713	546.8644	500.9266	410.7114	372.2053	449.2258
11995	TMEM223	560.335	-0.34281	0.142386	-2.40759	0.016058	0.03559	588.7058	613.1012	674.8594	544.639	483.439	457.2657
22086	LOC103217	28.09981	-0.34281	0.481666	-0.71172	0.476638	0.573731	33.60935	35.03436	25.74206	24.5534	23.53022	26.12947
18421	SRL	103.7408	-0.34318	0.272002	-1.2617	0.207058	0.298824	111.6698	105.1031	130.7975	80.35657	109.0946	85.42325
6103	TWF1	6834.352	-0.34319	0.08328	-4.12094	3.77E-05	0.000164	7508.98	7676.903	7738.62	6169.599	6158.5	5753.507
7504	PTPN3	6596.174	-0.3432	0.096437	-3.55885	0.000372	0.00132	7246.611	7896.415	6994.187	5770.048	5459.01	6210.773
9928	LOC103230	980.502	-0.34324	0.119237	-2.87861	0.003994	0.010696	1100.977	1160.513	1032.465	830.3512	832.114	926.5911
15646	CUNH10orf	301.3769	-0.34325	0.198928	-1.7255	0.084437	0.143472	372.9554	275.3481	366.6504	234.3733	252.4151	306.5187
7295	WDR82	8208.425	-0.34341	0.094447	-3.63604	0.000277	0.001009	9252.33	9661.819	8634.722	7138.342	6810.928	7752.412
10142	NDUF54	1753.564	-0.34347	0.121444	-2.82821	0.004681	0.01227	2088.659	1685.481	2109.458	1502.221	1615.029	1520.534
25483	LOC103230	1.654724	-0.34347	2.049034	-0.16763	0.866878	0.904395	1.084173	2.737059	2.087194	0	0	4.019918
8813	CDK2	4093.792	-0.3435	0.108302	-3.1717	0.001515	0.004572	4359.459	5152.787	4227.96	3524.529	3493.168	3804.852
7846	PRKDC	41525.96	-0.34357	0.099468	-3.45408	0.000552	0.001871	44873.37	50027.97	44449.58	35394.84	34095.28	40314.75
9970	TMTC4	1098.425	-0.34362	0.11974	-2.86975	0.004108	0.010953	1310.765	1100.298	1275.971	968.7431	951.9042	982.8699
8762	CENPT	1197.427	-0.34376	0.107936	-3.18486	0.001448	0.004394	1344.916	1349.918	1326.76	982.1359	1082.39	1098.443
9805	CEP89	1500.737	-0.34384	0.118395	-2.90419	0.003682	0.009984	1654.448	1860.105	1522.956	1361.597	1238.545	1366.772
13033	ONECUT2	997.1972	-0.34386	0.156417	-2.19835	0.027924	0.05696	950.8195	1375.646	1022.029	832.5834	868.4789	933.6259
7793	NUDCD3	7525.195	-0.34387	0.099192	-3.46669	0.000527	0.001797	8788.304	8121.949	8352.951	6337.008	6205.56	7345.395
19428	PGBD4	72.63256	-0.34389	0.308778	-1.11371	0.265405	0.363177	76.97626	81.56436	84.1835	75.89232	59.8951	57.28383
7286	ADNP2	3361.106	-0.34395	0.094531	-3.63847	0.000274	0.001001	3697.571	3913.447	3674.157	2959.8	2785.122	3136.541
9566	ARL4A	922.1537	-0.34396	0.11588	-2.96824	0.002995	0.008323	1009.365	1069.643	1011.593	832.5834	844.9487	764.7894
16691	LOC119620	187.2767	-0.34401	0.222855	-1.54367	0.122669	0.195384	193.5248	252.3568	182.9774	149.5525	175.4071	169.8415
8745	TPGS2	4837.441	-0.34418	0.107896	-3.1899	0.001423	0.004327	5057.666	6103.642	5077.448	4234.345	4064.31	4487.233
19440	LOC119620	74.66472	-0.34423	0.309663	-1.11164	0.266291	0.364174	89.98634	87.03848	74.44326	53.57105	70.59065	72.35852
25160	LOC119624	2.419968	-0.34435	1.562522	-0.22038	0.825574	0.872306	1.626259	1.642235	4.87012	2.232127	2.139111	2.009959
12153	EXOSC6	938.9292	-0.34449	0.145049	-2.37498	0.01755	0.03839	1162.233	991.3628	1005.332	749.9947	750.8278	973.8251
7041	ZMPSTE24	4609.842	-0.34481	0.092779	-3.7165	0.000202	0.000763	5013.757	5560.062	4901.428	4078.096	3987.302	4118.406
18129	TNC	112.5898	-0.34484	0.262017	-1.3161	0.188142	0.275897	122.5115	137.9478	117.5786	80.35657	117.6511	99.49297
24049	LOC119623	11.57301	-0.34506	0.865531	-0.39867	0.69014	0.762916	5.96295	24.63353	8.348776	4.464254	14.97377	11.05477
11624	PC	2552.896	-0.34506	0.138702	-2.4878	0.012854	0.029397	3072.003	2502.767	3004.864	2049.093	2004.347	2684.3
8116	MRPL35	1582.275	-0.34513	0.102304	-3.37357	0.000742	0.00243	1698.899	1815.218	1793.595	1446.418	1413.952	1325.568
7545	ARMT1	2613.287	-0.34527	0.0974	-3.54482	0.000393	0.001384	3062.788	2761.145	2951.988	2183.02	2370.135	2350.647
24125	LOC119623	7.945676	-0.34529	0.893254	-0.38655	0.69909	0.770375	9.757555	8.758589	7.653045	8.928508	8.556443	4.019918
11534	FAM76B	1478.792	-0.3453	0.137734	-2.50698	0.012177	0.028066	1507	1970.135	1485.386	1258.92	1401.117	1250.194
13456	SPHK1	511.8027	-0.34541	0.163242	-2.11597	0.034348	0.067861	642.3723	492.1232	587.893	437.4969	406.431	504.4997
22206	LOC119623	84.84046	-0.34564	0.500123	-0.6911	0.4895	0.586029	111.1277	29.56024	145.4079	84.82083	40.6431	97.48301
21473	LOC119615	39.55189	-0.34571	0.428123	-0.8075	0.419376	0.519215	49.87195	47.62483	34.09084	37.94616	40.6431	27.13445
23656	LOC119618	12.30708	-0.34579	0.749539	-0.46134	0.644558	0.724365	14.09425	13.13788	13.2189	13.39276	14.97377	5.024897
21454	LOC103225	41.85416	-0.34585	0.426652	-0.81061	0.417588	0.51746	60.17159	36.12918	45.22254	29.01765	36.36488	44.2191
7204	FADS1	10353.79	-0.34605	0.094392	-3.66607	0.000246	0.000909	11681.42	12096.71	10998.12	9022.257	8479.435	9844.779
10740	MRPS16	1771.036	-0.34633	0.129118	-2.68229	0.007312	0.0181	2163.467	1652.636	2131.721	1629.453	1495.238	1553.698
7580	SLC25A51	2044.84	-0.34637	0.098044	-3.53277	0.000411	0.001442	2380.843	2244.388	2243.734	1859.362	1700.593	1840.117
6981	SRP9	10005.65	-0.34637	0.092587	-3.741	0.000183	0.000698	11493.32	10436.95	11666.72	8937.436	9234.541	8264.951
7832	RNF185	3573.908	-0.34643	0.100182	-3.45802	0.000544	0.001847						



24438	LOC103221	6.094366	-0.34659	1.02094	-0.33948	0.734247	0.798722	4.878777	5.474118	10.43597	4.464254	4.278221	7.034856
20405	LOC103230	54.67157	-0.34677	0.361097	-0.96031	0.336898	0.438933	63.42411	70.61612	49.39693	53.57105	42.78221	48.23901
12850	SH3KBP1	1498.972	-0.34683	0.155633	-2.22852	0.025846	0.053474	1467.428	2126.695	1440.86	1339.276	1274.91	1344.663
22744	NAAA	21.94023	-0.34686	0.576563	-0.60159	0.547444	0.639896	18.97302	25.72836	28.52499	13.39276	29.94755	15.07469
16275	ZNFS30	172.7802	-0.34688	0.215066	-1.6129	0.106767	0.174402	196.2353	185.0252	196.892	147.3204	177.5462	133.6623
10991	LOC103237	19104.47	-0.34694	0.131844	-2.63143	0.008503	0.020566	18377.27	26155.34	19642.58	16196.31	16205.9	18049.43
17316	LOC119627	121.1937	-0.347	0.239981	-1.44597	0.148185	0.227507	133.8953	138.4952	135.6676	107.1421	98.39909	113.5627
11432	MED19	878.294	-0.34707	0.137202	-2.52961	0.011419	0.026552	883.6008	1126.026	942.716	781.2444	725.1585	811.0184
19663	LOC103218	75.35404	-0.34707	0.322464	-1.0763	0.281793	0.380993	97.57555	67.33165	86.96642	66.96381	77.00798	56.27885
23619	LOC103235	12.50944	-0.34713	0.744721	-0.46613	0.641125	0.721635	21.14137	9.306001	11.82743	11.16063	8.556443	13.06473
12992	WBP11	4581.336	-0.34747	0.157605	-2.2047	0.027475	0.056221	4261.341	6730.428	4399.805	4035.686	3925.268	4135.491
22045	LOC119620	30.0764	-0.34756	0.484595	-0.71722	0.473236	0.570695	40.11439	24.63353	36.17803	22.32127	32.08666	25.12449
8295	STUB1	2428.373	-0.348	0.104999	-3.31429	0.000919	0.002945	2881.189	2466.638	2813.538	2187.484	2038.572	2182.815
7680	TCAIM	1966.042	-0.34812	0.099516	-3.49813	0.000469	0.001622	2137.447	2347.302	2120.589	1763.38	1707.01	1720.525
21381	TUBA3E	37.01619	-0.34825	0.424798	-0.8198	0.412331	0.512689	44.99317	37.224	41.74388	40.17829	27.80844	30.14938
7878	ADGRL2	21493.21	-0.34826	0.10104	-3.44676	0.000567	0.001915	23131.91	26641.99	22455.43	19040.04	17613.44	20076.47
12828	MXD4	1292.288	-0.34832	0.155936	-2.23375	0.025499	0.052845	1634.39	1185.147	1528.522	1140.617	962.5998	1302.453
8554	SPECC1L	8687.3	-0.34839	0.107537	-2.23975	0.001196	0.003718	9404.114	10867.77	8927.625	7408.429	7223.777	8292.086
20584	LOC119627	51.52216	-0.34893	0.371148	-0.94013	0.347151	0.448358	50.95612	54.74118	66.79021	55.80317	40.6431	40.19918
21189	LOC119624	42.05864	-0.34906	0.409611	-0.85218	0.394113	0.494479	51.49821	52.00412	36.87376	40.17829	40.6431	31.15436
8511	ANKH	11630.6	-0.34912	0.107291	-3.25393	0.001138	0.003555	12319.45	14584.15	12195.48	10095.91	9497.651	11090.95
7633	PLCB3	4791.513	-0.3493	0.099396	-3.5142	0.000441	0.001536	5406.769	5411.166	5296.603	4209.791	3811.895	4612.856
12782	NAF1	661.9254	-0.34933	0.155767	-2.24264	0.02492	0.05183	674.3554	860.5314	694.3399	571.4245	517.6648	653.2367
9022	SRA1	1226.52	-0.34939	0.112366	-3.10937	0.001875	0.005525	1399.125	1267.258	1458.949	1051.332	1075.973	1106.482
6486	LANCL2	3590.059	-0.34943	0.088558	-3.94579	7.95E-05	0.000326	4051.554	4153.213	3866.179	3122.746	3099.571	3247.089
19419	ANKRD24	73.13291	-0.34963	0.313557	-1.11505	0.264829	0.362557	69.92914	86.49107	88.35788	71.42806	66.31243	56.27885
7323	NAXE	6268.639	-0.34964	0.096422	-3.62612	0.000288	0.001044	7361.533	6357.641	7353.881	5689.692	5382.002	5467.088
9038	MEN1	2159.957	-0.3498	0.112739	-3.10279	0.001917	0.005639	2282.726	2683.96	2298.001	1941.95	1756.21	1996.894
20327	LOC103247	57.079	-0.34993	0.359269	-0.97402	0.330048	0.431658	52.58238	74.99542	64.70302	40.17829	57.75599	52.25893
7998	RABL3	1832.878	-0.35006	0.102561	-3.41318	0.000642	0.002134	1931.454	2174.867	2057.973	1546.864	1644.976	1641.131
8650	URI1	3716.615	-0.35037	0.108966	-3.21544	0.001302	0.004003	3974.577	4713.763	3810.521	3229.888	3202.249	3368.691
8358	SLC39A6	3490.034	-0.35054	0.106392	-3.2948	0.000985	0.003133	3805.446	4296.635	3639.371	2919.622	2979.781	3299.348
6320	ACP1	5481.5	-0.35062	0.087303	-4.0161	5.92E-05	0.000249	5916.331	6456.722	6057.037	4979.875	4761.66	4717.374
9206	PIEZO1	6889.194	-0.35069	0.114837	-3.05378	0.00226	0.006526	8145.932	6884.798	8144.231	6037.93	5396.976	6725.323
9209	ZKSCAN5	1314.445	-0.35075	0.114862	-3.0537	0.00226	0.006526	1503.748	1571.619	1346.24	1187.492	1086.668	1190.901
24843	LOC103227	4.0717	-0.35078	1.278191	-0.27443	0.783753	0.838694	1.626259	3.831883	8.348776	4.464254	2.139111	4.019918
6448	PMPCB	5134.041	-0.35078	0.088568	-3.96059	7.48E-05	0.000308	5974.334	5455.506	5831.62	4555.771	4635.453	4351.561
21391	LOC103237	51.67368	-0.35105	0.429333	-0.81766	0.413549	0.513964	40.65648	73.35318	58.44144	69.19594	34.22577	34.1693
9897	EML6	888.5159	-0.35117	0.1217	-2.88552	0.003908	0.010497	956.7824	1084.423	946.8904	756.691	806.4447	779.8641
15068	LOC103234	357.4011	-0.35125	0.192791	-1.82192	0.068467	0.120799	332.841	391.9469	474.4888	361.6046	310.171	273.3544
11510	LOC103246	844.3124	-0.35132	0.139839	-2.51231	0.011994	0.027704	1015.328	845.2038	985.1556	716.5128	669.5416	834.133
25809	LOC119615	0.877967	-0.35139	2.957203	-0.11883	0.905414	0.932622	2.710432	0.547412	0	0	0	2.009959
9457	EHBP1L1	3044.561	-0.3515	0.11733	-2.99587	0.002737	0.007693	3101.276	3910.163	3230.976	2770.07	2494.203	2760.679
7342	ICMT	5622.371	-0.35175	0.097209	-3.61854	0.000296	0.001073	6649.231	6132.655	6139.829	4689.699	4738.13	5384.68
25810	TRNAV-AA	8889162	-0.35184	2.961625	-0.1188	0.905434	0.932622	0.542086	0	2.782925	0	0	2.009959
22889	LOC119615	20.42293	-0.352	0.605806	-0.58104	0.561211	0.651833	26.02015	26.82318	16.00182	8.928508	25.66933	19.09461
23337	LOC119624	14.83947	-0.352	0.692737	-0.50813	0.611361	0.696449	11.38381	19.15941	19.48048	6.696381	19.252	13.06473
9297	GNL3L	991.7006	-0.35203	0.116071	-3.0329	0.002422	0.006926	1149.765	1107.962	1083.254	810.2621	866.3398	932.6209
8737	THADA	3327.343	-0.35206	0.11028	-3.19241	0.001411	0.004293	4074.863	3503.983	3622.673	2787.927	2746.618	3227.994
7429	PSMD11	5452.17	-0.35218	0.098179	-3.58713	0.000334	0.001196	5911.994	6555.256	5883.104	4551.307	4639.731	5171.624
5961	LOC103218	5032.421	-0.35228	0.084242	-4.18175	2.89E-05	0.000129	5488.624	5868.802	5572.808	4417.379	4462.185	4384.725
14565	SLC26A5	253.4663	-0.35231	0.184212	-1.91252	0.05581	0.101868	309.5313	283.0119	259.5078	243.3018	205.3546	220.0905
16080	LOC103215	697.0143	-0.35236	0.213384	-1.6513	0.098678	0.163143	599.5475	1045.557	695.7314	631.6919	725.1585	484.4001
13518	EEF1AKMT	366.8581	-0.35237	0.167435	-2.10449	0.035336	0.069492	390.8443	468.5845	372.912	339.2833	323.0057	306.5187
24415	LOC119627	7.560352	-0.35245	1.023487	-0.34436	0.730575	0.795509	8.673382	10.40082	5.565851	11.16063	8.556443	1.004979
7300	THAP12	5632.537	-0.35247	0.096956	-3.63538	0.000278	0.001011	5990.596	6869.471	6089.737	4770.055	5217.291	4858.071
9623	SLC35F2	805.4012	-0.35248	0.119299	-2.95457	0.003131	0.00865	946.4828	867.1003	898.1892	678.5666	714.463	727.6051
12154	FRG1	1786.52	-0.35248	0.148421	-2.37488	0.017554	0.038398	1722.75	2463.353	1820.729	1683.024	1602.194	1427.071
9171	POGZ	2795.816	-0.35259	0.115144	-3.06219	0.002197	0.006369	3111.576	3514.384	2785.013	2361.59	2389.387	2612.947
9775	RBM33	2876.916	-0.35277	0.121232	-2.9099	0.003615	0.009833	2989.064	3763.456	2930.421	2412.929	2530.568	2635.056
10050	CUNH12or	717.7861	-0.3529	0.123781	-2.85096	0.004359	0.01153	855.9544	768.0188	791.0466	624.9956	639.5941	627.1072
10444	NXT2	701.7423	-0.35297	0.128055	-2.75639	0.005844	0.014877	722.6011	815.0962	824.4417	598.21	631.0376	619.0674
7838	FBXO28	3647.068	-0.35302	0.102148	-3.45594	0.000548	0.00186	4125.819	4186.606	3969.843	3080.335	2971.225	3548.583
15501	DFFB	206.1772	-0.35302	0.202396	-1.7442	0.081125	0.139133	238.518	247.4301	210.1109	178.5702	160.4333	202.0009
9203	GDAP2	1265.905	-0.35324	0.115658	-3.05422	0.002256	0.006518	1373.105	1542.059	1348.327	1120.528	1039.608	1171.806
20673	LOC119615	50.53685	-0.35329	0.38165	-0.92568	0.354614	0.456025	62.88202	43.24553	64.70302	44.64254	38.50399	49.24399
12352	WDR4	812.5503	-0.35332	0.151414	-2.33344	0.019625	0.042239	1039.722	776.23	922.5398	718.7449	633.1768	784.889
6622	STRN4	3946.032	-0.35333	0.090788	-3.89183	9.95E-05	0.000399	4242.368	4614.682	4428.33	3426.315	3345.569	3618.931
7152	CHMP2A	4056.975	-0.35335	0.096602	-3.68001	0.000233	0.000867	4449.987	4922.327	4281.531	3653.992	3448.246	3585.767
7786	NELFE	2432.712	-0.35337	0.101851	-3.4695	0.000521	0.00178	2747.836	2676.296	2770.402	2136.146	1955.147	2310.448
13370	ZSCAN32	342.3917	-0.35351	0.165783	-2.13234	0.032979	0.065576	389.218	41				



9865	FAM151B	779.7562	-0.35399	0.122478	-2.89022	0.00385	0.010375	904.7422	868.1951	847.4008	707.5843	714.463	636.152
13733	CIAO2B	1412.888	-0.35424	0.171645	-2.06379	0.039038	0.075571	1847.972	1134.785	1776.202	1214.277	1176.511	1327.578
11637	SLC4A11	485.0243	-0.35428	0.142545	-2.48538	0.012941	0.029565	561.0594	526.6102	548.2363	430.8005	387.179	456.2607
9462	WAPL	8984.296	-0.35444	0.118373	-2.99426	0.002751	0.00773	9482.175	11855.85	8911.623	7658.428	7730.746	8266.961
13175	TMEM225I	576.4229	-0.3545	0.163015	-2.17465	0.029657	0.059842	728.022	553.9808	663.7277	468.7467	464.187	579.8732
11179	DDX28	505.1561	-0.35458	0.13712	-2.58594	0.009711	0.023095	586.5375	574.235	538.4961	464.2824	434.2395	433.1462
12415	RAB6A	3975.258	-0.35472	0.153072	-2.31731	0.020487	0.043869	3680.224	5742.897	3960.103	3408.458	3660.018	3399.846
10370	TTC23	936.9986	-0.35473	0.128013	-2.77104	0.005588	0.014325	1007.739	1173.651	976.1111	776.7802	821.4185	866.2923
15220	LOC103227	950.8719	-0.35482	0.19797	-1.79229	0.073087	0.127665	1301.549	700.1397	1200.137	863.8331	806.4447	833.128
9866	STX10	1425.544	-0.35489	0.122794	-2.89011	0.003851	0.010377	1728.713	1441.883	1634.969	1234.366	1146.563	1366.772
9408	DDHD1	1941.213	-0.3549	0.118074	-3.00571	0.00265	0.007487	2160.756	2446.931	1929.263	1738.827	1627.863	1743.639
7597	CDC42BPB	5998.149	-0.35492	0.100631	-3.52694	0.00042	0.001471	6506.121	7275.103	6422.992	5053.535	5009.797	5721.348
9155	OLA1	5110.76	-0.35497	0.115769	-3.06617	0.002168	0.006296	5114.043	6660.907	5431.575	4620.503	4489.993	4347.541
11043	SEC61A2	850.9914	-0.35499	0.135589	-2.61815	0.008841	0.021283	922.0889	1071.285	867.577	774.5481	785.0536	685.396
8693	UBE2M	2568.281	-0.35525	0.110822	-3.20562	0.001348	0.004122	3074.172	2727.206	2855.282	2185.252	2066.381	2501.394
8963	SAV1	1243.693	-0.35526	0.113358	-3.12788	0.001761	0.005222	1376.899	1458.852	1356.676	988.8323	1125.172	1155.726
11609	THRAP3	11347.58	-0.35527	0.142563	-2.49204	0.012701	0.029087	11190.29	16093.91	10931.33	9796.805	9482.678	10590.47
7172	CAMSAP1	4030.242	-0.35534	0.096718	-3.67403	0.000239	0.000885	4478.718	4616.324	4486.076	3415.154	3322.039	3863.141
11244	PURA	1794.471	-0.35535	0.138186	-2.57156	0.010124	0.023936	1794.306	2432.151	1818.642	1486.597	1582.942	1652.186
9057	EXOSC1	1227.318	-0.35537	0.114899	-3.0929	0.001982	0.005818	1395.872	1361.961	1382.418	1037.939	996.8256	1188.891
8232	FOXN2	2236.067	-0.3556	0.106557	-3.3372	0.000846	0.002733	2481.129	2666.443	2386.359	2042.396	1781.879	2058.198
13221	DPH7	626.1447	-0.35562	0.164293	-2.16454	0.030423	0.061179	813.1296	575.3298	723.5606	540.1747	502.691	601.9827
6755	BUB3	5320.157	-0.35564	0.092782	-3.83311	0.000127	0.000498	6095.219	5862.781	5968.679	4408.451	4532.776	5053.037
12610	STARD3	1006.939	-0.35565	0.155594	-2.28071	0.022566	0.047576	1248.425	954.6862	1193.179	912.9399	729.4367	1002.97
9384	MRPL9	2612.243	-0.3559	0.118187	-3.01134	0.002601	0.007369	2708.806	3372.057	2714.048	2404.001	2286.709	2187.84
25246	LOC103244	2.402691	-0.356	1.712194	-0.20792	0.835292	0.879576	2.710432	0.547412	4.87012	0	4.278221	2.009959
8675	PAXBP1	3363.969	-0.35612	0.110927	-3.21043	0.001325	0.004062	3523.561	4309.773	3497.442	2919.622	2979.781	2953.635
9084	METTL17	1561.574	-0.35617	0.115338	-3.08807	0.002015	0.005896	1752.565	1811.933	1703.846	1279.009	1283.466	1538.624
10673	HSPB11	613.0066	-0.35621	0.131996	-2.69863	0.006962	0.017343	647.7932	719.8465	694.3399	549.1032	560.447	506.5097
7274	ABCB7	1553.397	-0.35627	0.097825	-3.64195	0.000271	0.000989	1747.144	1733.106	1753.939	1377.222	1324.11	1384.862
24422	LOC119625	6.423615	-0.35628	1.04169	-0.34202	0.732335	0.797196	8.131296	10.40082	2.782925	8.928508	4.278221	4.019918
22221	PRRT1	26.15445	-0.35629	0.51743	-0.68858	0.49109	0.587535	21.68345	38.31883	27.82925	22.32127	25.66933	21.10457
12371	PUS1	981.3837	-0.35635	0.153078	-2.32793	0.019916	0.042799	1249.509	979.8671	1083.254	823.6549	737.9932	1014.024
6876	POLR1D	2133.48	-0.35648	0.094132	-3.78709	0.000152	0.000589	2342.355	2472.659	2369.661	1863.826	1927.339	1825.043
6292	TIAL1	3716.077	-0.35653	0.088479	-4.02955	5.59E-05	0.000236	4004.392	4262.696	4253.702	3312.476	3148.771	3314.422
11605	LOC103244	554.2634	-0.35656	0.143051	-2.49256	0.012683	0.029054	595.2108	615.2909	653.2918	470.9788	547.6123	443.1959
16470	GDF11	153.8057	-0.35658	0.225982	-1.57792	0.114585	0.184956	163.7101	168.6028	185.0645	120.5349	158.2942	126.6274
10551	WDR92	1245.877	-0.35659	0.130428	-2.73404	0.006256	0.015764	1308.596	1628.003	1260.665	1082.582	1090.946	1104.472
8201	LOC103217	1973.115	-0.35667	0.106603	-3.3458	0.00082	0.002659	2311.998	2028.708	2311.22	1691.952	1672.785	1822.028
9844	MRPL42	2527.233	-0.35677	0.123214	-2.89554	0.003785	0.010222	2907.209	2480.87	3121.051	2241.055	2419.334	1993.879
15340	ZNF280B	296.022	-0.35695	0.201367	-1.77264	0.076288	0.132214	288.3899	414.9382	294.9901	247.7661	256.6933	273.3544
10986	LOC103225	1150.67	-0.35697	0.135595	-2.63263	0.008473	0.020503	1339.495	1109.056	1431.815	1037.939	913.4003	1072.313
11277	HNRNPR	11681.42	-0.3572	0.139367	-2.56305	0.010376	0.024461	11528.01	16529.65	11303.55	10024.48	10207.84	10495
7446	ARIH1	4013.079	-0.35728	0.099698	-3.58367	0.000339	0.00121	4369.758	4945.866	4209.175	3482.118	3437.551	3634.006
7583	RADX	4452.854	-0.35743	0.101211	-3.53157	0.000413	0.001448	4741.087	5507.51	4760.194	3872.74	3741.305	4094.286
9090	RUFY1	2978.505	-0.35753	0.115867	-3.0857	0.002031	0.005939	3140.848	3812.176	3086.96	2642.838	2438.586	2749.624
19334	LOC119627	75.14956	-0.35758	0.316647	-1.12928	0.258781	0.355835	92.15468	89.22813	70.26887	66.96381	77.00798	55.27387
6434	SOC54	4557.917	-0.3576	0.090138	-3.96718	7.27E-05	0.000301	5072.844	5433.61	4854.814	3930.776	3987.302	4068.157
9383	PPP2R5E	1816.17	-0.3577	0.118779	-3.01148	0.0026	0.007366	1903.265	2308.983	1910.478	1488.829	1634.281	1651.181
9416	EED	1349.719	-0.35775	0.119093	-3.00398	0.002665	0.007523	1676.131	1388.236	1486.082	1107.135	1225.71	1215.02
10301	LOC103248	618.4336	-0.35778	0.128344	-2.78767	0.005309	0.013701	684.6551	724.7732	672.7722	537.9426	566.8643	523.5943
6938	FAM204A	2512.168	-0.35787	0.095132	-3.76182	0.000169	0.000646	2799.334	2769.356	2894.938	2138.378	2344.465	2126.537
19057	LOC119628	75.52258	-0.35789	0.304302	-1.17612	0.239547	0.334175	95.94929	75.54283	83.48776	62.49956	66.31243	69.34358
7756	LRIG2	1713.646	-0.3581	0.103003	-3.47662	0.000508	0.00174	1968.858	1876.528	1936.22	1406.24	1493.099	1600.932
19045	LOC103236	76.17576	-0.35821	0.304204	-1.17754	0.238981	0.333526	79.6867	88.68071	86.96642	78.12444	66.31243	57.28383
22369	LOC119615	26.93688	-0.35828	0.53952	-0.66407	0.506647	0.602137	42.28274	28.46541	20.17621	15.62489	29.94755	25.12449
20213	LOC119627	62.02093	-0.35828	0.360281	-0.99445	0.320003	0.420882	69.38706	77.18507	62.61582	71.42806	34.22577	57.28383
7501	RHOQ	2813.873	-0.35851	0.100711	-3.55979	0.000371	0.001315	3063.33	3396.69	3029.91	2332.573	2457.838	2602.897
12339	ALKBH1	451.6448	-0.35852	0.153442	-2.33653	0.019464	0.041936	520.945	451.6147	552.4107	383.9258	382.9008	418.0715
9992	USP21	902.8002	-0.35854	0.125231	-2.86306	0.004196	0.011163	963.2875	1043.367	1041.51	801.3336	708.0456	859.2574
9294	PACSIN2	2451.535	-0.35855	0.118182	-3.03386	0.002414	0.006906	2737.536	2951.645	2583.251	2031.236	1959.425	2446.12
23000	MX1	18.46531	-0.35856	0.636571	-0.56326	0.573255	0.662608	13.01007	26.82318	21.56767	20.08914	19.252	10.04979
18197	LOC103248	199.3905	-0.35864	0.275372	-1.30238	0.192787	0.281653	187.0198	317.4989	166.2798	207.5878	156.1551	161.8017
22268	LOC119615	23.66832	-0.3587	0.527994	-0.67936	0.496908	0.593241	28.18849	24.63353	26.43779	17.85702	27.80844	17.08465
10471	DXO	1225.335	-0.35872	0.130399	-2.75096	0.005942	0.015086	1300.465	1570.524	1261.361	1120.528	977.5736	1121.557
8036	PRC1	7176.461	-0.35891	0.105473	-3.40291	0.000667	0.002206	7726.899	8921.718	7551.468	6138.349	5897.528	6822.806
10319	RAB2B	1170.887	-0.35893	0.128949	-2.78346	0.005378	0.013856	1226.741	1463.779	1253.708	968.7431	1146.563	965.7853
9186	RABL2B	1204.543	-0.35898	0.117366	-3.05866	0.002223	0.006434	1277.698	1433.672	1344.849	1156.242	1028.912	985.8849
19055	LOC119627	87.75726	-0.35904	0.305231	-1.17631	0.239473	0.334106	94.86511	120.4306	79.31338	75.89232	87.70354	68.3386
8246	JMJD6	1249.606	-0.35936	0.107863	-3.33165	0.000863	0.002783	1453.876	1353.202	1410.247	1082.582	1046.025	1151.706



21602	ANO3	34.51566	-0.3597	0.455335	-0.78997	0.429546	0.528615	39.5723	44.88777	31.30791	24.5534	40.6431	26.12947
6484	TUBB6	6457.804	-0.35976	0.091164	-3.94628	7.94E-05	0.000325	7105.668	7541.145	7134.029	5819.155	5236.543	5910.284
10561	ZCCHC7	2008.42	-0.35978	0.131753	-2.73074	0.006319	0.015907	2057.76	2698.74	2014.838	1741.059	1807.549	1730.575
9183	DCXR	1833.422	-0.35991	0.117611	-3.06019	0.002212	0.006404	1987.289	2227.419	1973.094	1654.006	1416.091	1742.634
8179	NSD1	9838.901	-0.35997	0.107362	-3.35287	0.0008	0.0026	10519.19	12493.58	10172.29	8354.851	8269.802	9223.702
19001	LTB4R	97.74557	-0.35999	0.303913	-1.18453	0.236205	0.330483	93.23886	127.547	107.8384	66.96381	115.512	75.37346
10699	CUNH11or	1016.539	-0.36	0.133703	-2.69251	0.007092	0.017621	1253.846	996.2895	1182.048	879.458	827.8358	959.7554
8892	HIRA	2131.579	-0.36004	0.114419	-3.14666	0.001651	0.004938	2462.156	2406.422	2329.309	1758.916	1709.149	2123.522
23241	ADAMTS17	16.83983	-0.36009	0.688334	-0.52314	0.600878	0.687341	24.39389	15.87494	15.30609	22.32127	17.11289	6.029877
15986	PLEKHJ1	553.4795	-0.36033	0.215999	-1.66819	0.095279	0.158461	720.4328	421.5071	728.4307	470.9788	410.7092	568.8184
12773	ZFP64	619.1391	-0.36056	0.160527	-2.24611	0.024697	0.051402	600.0896	826.0444	665.1192	524.5498	509.1083	589.9229
17910	LOC119620	105.3822	-0.36059	0.265226	-1.35956	0.173969	0.258233	106.2489	120.4306	127.3188	104.91	91.98176	81.40334
14116	MDC1	1510.706	-0.3606	0.181131	-1.99085	0.046497	0.08757	1386.115	2310.078	1399.812	1314.723	1287.745	1365.767
23434	LOC103225	15.27	-0.36068	0.729374	-0.4945	0.620951	0.704446	24.39389	7.663765	18.78475	15.62489	17.11289	8.039836
8424	NPLOC4	7301.452	-0.36114	0.110255	-3.27548	0.001055	0.003329	8499.372	7972.506	8170.669	6136.117	5700.73	7329.315
13917	ATP5MC1	2991.272	-0.36123	0.178165	-2.02751	0.04261	0.081396	3848.813	2246.031	3998.368	2587.035	2534.846	2732.539
9306	RIMS3	2487.566	-0.36138	0.119225	-3.03105	0.002437	0.006959	2845.411	2691.624	2865.718	2053.557	1946.591	2522.498
15357	VANGL2	355.2888	-0.36138	0.204423	-1.7678	0.077094	0.13346	325.7939	463.6578	406.3071	283.4801	387.179	265.3146
11880	CNTF	488.4576	-0.36138	0.148704	-2.43021	0.01509	0.033768	580.0324	584.0884	484.229	417.4077	427.8221	437.1661
7305	COA5	2082.946	-0.36142	0.099484	-3.63298	0.00028	0.001019	2452.399	2252.052	2324.439	1720.97	1901.669	1846.147
11737	VBP1	3833.975	-0.36143	0.146841	-2.4614	0.01384	0.031347	4829.99	3251.626	4852.726	3319.173	3510.281	3240.054
22393	LOC119621	21.93281	-0.36152	0.548721	-0.65885	0.509993	0.605464	22.76763	29.01283	22.95914	15.62489	17.11289	24.11951
10672	ALG5	528.7067	-0.36174	0.134025	-2.69906	0.006954	0.017322	596.295	616.3857	572.5869	446.4254	464.187	476.3603
8818	FBXL19	1328.539	-0.36192	0.114231	-3.16828	0.001533	0.004623	1531.394	1417.249	1541.045	1118.296	1090.946	1272.304
7491	MTREX	5158.119	-0.36201	0.101561	-3.56449	0.000365	0.001294	5700.58	6336.292	5373.829	4274.523	4470.741	4792.747
9689	LOC103231	1556.962	-0.36218	0.123444	-2.93395	0.003347	0.009183	1635.475	1982.726	1638.447	1401.776	1249.241	1434.106
12007	LOC103224	7054.215	-0.3623	0.150661	-2.40472	0.016185	0.035836	7044.412	10251.38	6509.958	6078.082	6205.56	6235.898
16759	LOC103218	133.0155	-0.36233	0.236576	-1.53155	0.125632	0.199292	146.9054	146.159	157.2353	122.767	98.39909	126.6274
22296	LOC119620	23.54395	-0.36233	0.536714	-0.6751	0.499615	0.595724	22.76763	24.63353	32.00364	26.78552	14.97377	20.09959
5631	RPL29	13306.63	-0.36258	0.0832	-4.35786	1.31E-05	6.20E-05	15040.73	14446.2	15422.97	12133.84	11153.32	11642.69
5549	SP3	8290.697	-0.36259	0.082552	-4.39225	1.12E-05	5.37E-05	9205.169	9731.34	9046.595	7095.932	7298.646	7366.5
9877	CNKSR2	1648.751	-0.36259	0.125585	-2.88723	0.003887	0.010461	1750.939	2150.234	1664.189	1453.115	1394.7	1479.33
15951	PJVK	203.3742	-0.36266	0.216397	-1.67591	0.093756	0.156259	259.1173	220.0595	203.8493	185.2665	203.2155	148.737
24834	LOC103220	4.783978	-0.36278	1.314946	-0.27589	0.782632	0.83778	3.123296	3.284471	4.174388	6.696381	6.417332	0
19468	LOC103231	158.8564	-0.3628	0.328057	-1.10589	0.268773	0.367029	112.2119	275.8956	146.7993	133.9276	164.7115	119.5926
7988	AGPAT1	1629.469	-0.3631	0.106308	-3.41559	0.000636	0.002118	1723.293	1984.368	1792.204	1441.954	1413.952	1421.041
7146	CSE1L	10787.38	-0.36323	0.098645	-3.68218	0.000231	0.00086	11714.49	13448.27	11254.85	9419.576	9080.525	9806.59
21748	LOC119621	29.80593	-0.36326	0.4718	-0.76994	0.441333	0.539499	29.27266	33.93953	36.87376	24.5534	32.08666	22.10955
21554	GNAO1	48.19291	-0.36331	0.456324	-0.79616	0.425937	0.525366	47.16151	55.83601	57.7457	35.71403	70.59065	22.10955
24199	GLIPR1	6.487242	-0.36335	0.971733	-0.37392	0.708464	0.778318	7.047123	9.306001	5.565851	6.696381	4.278221	6.029877
9078	PPP3CA	4122.135	-0.36359	0.117684	-3.08952	0.002005	0.005871	4368.674	5306.61	4246.744	3386.137	3493.168	3931.48
7742	GTF2H1	3564.347	-0.3636	0.104458	-3.48085	0.0005	0.001716	3731.18	4441.699	3857.83	3064.71	3270.7	3019.963
12725	LOC103221	624.4462	-0.36376	0.161499	-2.25239	0.024298	0.050763	784.399	603.7952	722.8649	587.0494	455.6306	592.9379
25323	LOC119615	1.982114	-0.36378	1.854156	-0.1962	0.844457	0.886541	0.542086	3.284471	2.782925	0	4.278221	1.004979
9379	SMCHD1	10013.34	-0.36378	0.120747	-3.01274	0.002589	0.007339	10340.3	13411.59	10057.49	8484.315	8676.233	9110.139
10905	RBM27	5275.378	-0.36383	0.137288	-2.65013	0.008046	0.019615	5217.039	7378.564	5215.202	4723.181	4479.298	4638.985
9212	THAP7	1458.657	-0.36407	0.119277	-3.05232	0.002271	0.006553	1652.821	1566.145	1709.412	1374.99	1105.92	1342.653
9859	USPL1	1390.772	-0.36422	0.125985	-2.89096	0.003841	0.010356	1447.371	1773.614	1479.821	1158.474	1165.815	1319.538
7751	KIAA0586	2537.775	-0.36426	0.104738	-3.47782	0.000506	0.001734	2797.708	3112.036	2661.868	2095.967	2271.736	2287.333
8233	ERCC3	2427.975	-0.36426	0.109182	-3.33631	0.000849	0.002741	2709.348	2953.287	2542.202	1997.754	2057.824	2307.433
8176	EPM2AIP1	1176.14	-0.36429	0.10861	-3.35406	0.000796	0.002589	1354.674	1333.495	1284.32	1071.421	964.7389	1048.194
22556	LOC119621	19.43549	-0.36432	0.577038	-0.63136	0.527808	0.622086	22.76763	18.06459	25.04633	13.39276	19.252	18.08963
8355	CD9	9208.684	-0.36444	0.110573	-3.29591	0.000981	0.003122	11423.93	9016.967	10661.39	7872.712	7664.434	8612.674
9142	CCNI	3924.311	-0.3645	0.118808	-3.068	0.002155	0.006267	3921.995	5167.568	4163.257	3399.529	3418.299	3475.219
23479	ENO3	13.91749	-0.36456	0.747378	-0.48779	0.625701	0.708506	14.09425	21.34906	12.52316	11.16063	4.278221	20.09959
9819	ERI3	2221.167	-0.36457	0.125693	-2.90048	0.003726	0.010087	2752.715	2091.113	2658.39	1995.522	1875.472	1976.795
24977	LOC103234	3.237431	-0.36466	1.45785	-0.25014	0.802482	0.854145	1.626259	6.02153	3.478657	0	4.278221	4.019918
6761	AP4E1	3067.791	-0.36469	0.095182	-3.83155	0.000127	0.000501	3499.168	3485.918	3381.95	2499.982	2684.584	2855.147
24961	LOC119615	3.136431	-0.36473	1.44103	-0.2531	0.800189	0.85225	5.420864	2.737059	3.478657	2.232127	0	6.029877
10922	BCL2L12	885.7854	-0.36475	0.137819	-2.64657	0.008131	0.019792	1080.92	885.7123	1028.987	792.4051	684.5154	842.1728
19771	LOC103218	63.58929	-0.36476	0.344886	-1.05763	0.290223	0.390247	70.47123	68.42648	74.44326	49.10679	74.86887	44.2191
9647	FXYD6	869.5892	-0.36488	0.123787	-2.94764	0.003202	0.008824	970.3346	1014.902	951.0648	834.8155	686.6545	759.7645
20194	LOC119621	61.80288	-0.36506	0.365883	-0.99776	0.318396	0.419162	54.75072	92.5126	60.52863	58.0353	57.75599	47.23404
7687	NSMCE3	1317.578	-0.3652	0.104431	-3.49703	0.00047	0.001627	1537.899	1465.421	1449.904	1142.849	1114.477	1194.921
10799	CCNJ	1082.185	-0.36524	0.136743	-2.67098	0.007563	0.018619	1138.381	1421.628	1095.777	886.1544	990.4082	960.7604
13101	POLRMT	1976.52	-0.36544	0.167042	-2.18772	0.02869	0.058218	2493.055	1701.356	2486.544	1816.951	1407.535	1953.68
12849	NDRG3	416.2922	-0.36552	0.16402	-2.2285	0.025847	0.053474	529.0763	403.9899	474.4888	359.3724	352.9533	377.8723
7713	ZNF768	1988.291	-0.36555	0.104782	-3.48868	0.000485	0.001673	2268.089	2321.026	2128.242	1845.969	1593.637	1772.784
23327	LOC119621	12.18609	-0.36599	0.718015	-0.50972	0.610249	0.69547	15.17842	10.94824	15.30609	8.928508	10.69555	12.05975
11987	FAM172A	496.2835	-0.36631	0.152065	-2.4089	0.016	0.035486	519.3187	632.2606	527.3644	406.2471	434.2395	458.2706
6932	TRIM4	2358.18	-0.36658	0.0974									



9446	POLA2	1936.384	-0.36699	0.1224	-2.99828	0.002715	0.007641	2024.693	2521.926	1998.14	1616.06	1736.958	1720.525
14047	LOC103216	317.6389	-0.36707	0.183026	-2.00556	0.044903	0.084982	308.9892	408.3692	356.2145	249.9982	305.8928	276.3694
8863	CHSY1	2975.466	-0.3671	0.116396	-3.15391	0.001611	0.004832	3193.431	3828.051	3037.563	2587.035	2462.116	2744.599
18149	LOC119624	113.8197	-0.36716	0.279694	-1.31273	0.189274	0.277252	107.3331	164.2235	112.7085	104.91	96.25998	97.48301
7831	WDR5	2187.388	-0.36725	0.106191	-3.45836	0.000543	0.001845	2605.809	2327.595	2466.368	1843.737	1807.549	2073.273
7903	MAPK8	1721.02	-0.36725	0.106834	-3.4376	0.000587	0.001974	1896.76	2093.303	1829.774	1479.9	1454.595	1571.788
23289	LOC119615	15.0293	-0.36727	0.712663	-0.51535	0.060307	0.692115	26.02015	9.306001	16.00182	8.928508	12.83466	17.08465
23799	LOC103226	10.38067	-0.36742	0.840945	-0.43691	0.662174	0.739748	9.757555	15.87494	9.044508	4.464254	17.11289	6.029877
8536	MFSD4B	1295.131	-0.36747	0.113262	-3.24442	0.001177	0.003665	1529.768	1481.296	1371.287	1107.135	1065.277	1216.025
13147	LOC103214	306.676	-0.36752	0.168473	-2.18149	0.029147	0.05894	325.2518	379.9038	331.8639	261.1589	269.5279	272.3494
23926	PDE3B	9.18606	-0.36753	0.876719	-0.41921	0.675065	0.750088	10.29964	8.211177	11.82743	8.928508	12.83466	3.014938
13160	PNN	5553.124	-0.36763	0.168744	-2.17862	0.02936	0.059312	5124.342	8472.293	5174.85	4716.484	4761.66	5069.116
10760	DNAJC21	3112.631	-0.36773	0.13734	-2.67755	0.007416	0.018324	3121.875	4317.437	3080.699	2698.642	2797.957	2659.176
9027	UBE2O	2931.055	-0.36857	0.118599	-3.10772	0.001885	0.005553	3457.427	3257.648	3205.234	2426.322	2276.014	2963.684
10614	TRIT1	970.0898	-0.36862	0.135643	-2.71759	0.006576	0.016471	1238.125	947.0224	1096.473	857.1368	806.4447	875.3371
10748	UTP14A	3078.455	-0.36871	0.137576	-2.68008	0.007361	0.018206	3108.865	4267.075	3034.085	2580.339	2716.671	2763.694
19032	LOC103241	234.46	-0.36876	0.312695	-1.1793	0.238279	0.332841	158.8313	416.5804	215.6767	229.9091	213.9111	171.8515
8521	MYO1B	12766.77	-0.36902	0.113547	-3.24993	0.001154	0.003602	13439.95	16691.68	13044.27	10834.74	10753.31	11836.65
10804	DYNC2I2	1526.637	-0.36911	0.138254	-2.66976	0.00759	0.018678	1882.124	1432.577	1852.733	1321.419	1210.737	1460.235
6930	NUP62	4334.383	-0.36919	0.098088	-3.76391	0.000167	0.000642	4903.171	5075.055	4687.838	3658.456	3557.341	4124.436
15916	PEMT	199.4605	-0.3692	0.219499	-1.68202	0.092565	0.154614	235.2655	184.4778	256.7249	176.338	154.016	189.9411
24730	LOC119621	4.107068	-0.36929	1.25537	-0.29417	0.76863	0.826285	3.794605	7.663765	2.782925	2.232127	2.139111	6.029877
11272	ENGASE	619.0119	-0.36933	0.144023	-2.56439	0.010336	0.024377	720.4328	665.1054	714.5161	495.5322	498.4128	620.0723
7171	SMAD4	5008.085	-0.3694	0.100544	-3.67407	0.000239	0.000885	5384.544	6274.434	5279.21	4381.665	4284.639	4444.019
6814	ERBB2	4415.772	-0.36941	0.09693	-3.81116	0.000138	0.00054	5169.878	4751.535	5019.006	3895.062	3548.785	4110.366
25533	LOC119621	1.254429	-0.36943	2.303851	-0.16035	0.872603	0.908556	1.626259	2.189647	0.695731	0	0	3.014938
8149	CABIN1	4128.505	-0.36946	0.109796	-3.36502	0.000765	0.002497	4883.114	4528.738	4561.215	3383.905	3317.761	4096.296
6995	FBXW11	6693.394	-0.36962	0.098942	-3.73576	0.000187	0.000711	7677.569	7788.028	7181.339	5732.102	5375.585	6405.739
24522	TRNAV-CA	4.83209	-0.3697	1.129	-0.32746	0.743322	0.805856	4.336691	7.116354	4.87012	2.232127	6.417332	4.019918
9999	DTD1	1082.442	-0.36979	0.129215	-2.86182	0.004212	0.011199	1166.57	1380.573	1117.345	888.3865	934.7914	1006.989
21066	LOC103221	35.66804	-0.3698	0.4248	-0.87052	0.384018	0.484579	39.03022	42.15071	39.65669	26.78552	34.22577	32.15934
9003	SHQ1	1017.156	-0.36992	0.118737	-3.11541	0.001837	0.005424	1179.038	1157.776	1109.692	821.4227	864.2007	970.8102
8824	TGFBR1	1504.991	-0.36994	0.116851	-3.16596	0.001546	0.004657	1666.373	1796.058	1634.273	1162.938	1341.222	1429.081
17682	LOC103236	140.2903	-0.36995	0.266421	-1.38858	0.164959	0.284017	180.5148	147.2538	150.278	116.0706	89.84265	157.7818
21878	LOC119621	37.52174	-0.37005	0.494538	-0.74828	0.454292	0.552032	41.74065	30.65506	52.87558	35.71403	47.06043	17.08465
17333	LOC119620	171.21	-0.37015	0.256436	-1.44344	0.148898	0.228376	211.4137	147.8012	223.3298	122.767	139.0422	182.9063
20614	LOC119621	49.62781	-0.37047	0.396378	-0.93465	0.34997	0.451342	66.67662	43.24553	57.7457	55.80317	32.08666	42.20914
24738	LOC119624	3.659323	-0.37064	1.267937	-0.29231	0.770046	0.82754	4.878777	3.284471	4.174388	4.464254	2.139111	3.014938
16016	ARMC6	970.4596	-0.37071	0.223005	-1.66235	0.096443	0.160085	1361.721	684.8122	1241.185	752.2268	748.6887	1034.124
6698	GOT2	7274.924	-0.37078	0.096151	-3.85625	0.000115	0.000457	8244.592	8521.56	7855.503	6305.759	5844.05	6878.079
7451	AKAP17A	8767.115	-0.37093	0.103568	-3.58148	0.000342	0.001219	9212.758	11027.61	9427.16	7761.106	7155.325	8018.731
25286	TRNAY-GU	2.43836	-0.37137	1.84947	-0.2008	0.840858	0.884055	2.710432	3.831883	1.391463	6.696381	0	0
10086	CDK5RAP2	3103.326	-0.37148	0.130765	-2.84084	0.004499	0.01186	3320.821	4044.826	3141.923	2707.57	2380.83	3023.983
20038	LOC103244	51.91538	-0.37154	0.363695	-1.02158	0.30698	0.407279	60.17159	51.45671	63.31155	53.57105	42.78221	40.19918
17244	LOC119626	205.6109	-0.37161	0.254754	-1.4587	0.144648	0.223003	180.5148	313.1196	200.3706	180.8023	201.0764	157.7818
13468	LOC103236	5683.158	-0.37162	0.175851	-2.11325	0.034579	0.068257	7806.044	4302.109	7127.768	4792.377	4723.156	5347.496
9816	MEX3D	693.5758	-0.37171	0.128125	-2.90114	0.003718	0.01007	738.8637	765.2817	844.6179	582.5851	616.0639	614.0425
8671	LOC103238	2162.255	-0.37174	0.115775	-3.21087	0.001323	0.004057	2623.698	2115.747	2579.772	1915.165	1824.661	1914.486
11771	NPHP4	945.6586	-0.37181	0.151478	-2.45452	0.014107	0.031862	1145.971	958.5181	1104.126	756.691	718.7412	989.9048
6596	XPO4	4289.255	-0.37208	0.095313	-3.9038	9.47E-05	0.000382	4838.663	4908.642	4779.675	3582.564	3548.785	4075.102
7642	UTP20	6278.345	-0.3721	0.105967	-3.51146	0.000446	0.00155	7089.406	8328.871	6852.258	5482.104	5632.278	6085.151
9640	ZBTB17	951.432	-0.37214	0.126152	-2.94993	0.003179	0.008766	1121.035	1036.798	1068.643	821.4227	740.1323	920.5612
5764	WASHC4	21333.83	-0.37217	0.086704	-4.29241	1.77E-05	8.15E-05	23836.08	25722.88	22655.1	18218.62	18445.55	19124.76
9451	NOD1	778.4827	-0.37235	0.124228	-2.99734	0.002723	0.00766	924.2573	856.6995	858.5325	645.0847	656.707	729.6151
13310	PCBD2	784.7141	-0.37238	0.173621	-2.14482	0.031967	0.063851	955.6983	657.989	1042.206	714.2806	673.8199	664.2914
8810	RWDD4	1875.684	-0.3727	0.117503	-3.17182	0.001515	0.004571	1953.679	2413.539	1981.443	1627.221	1664.228	1613.997
10044	ZDHHC9	2299.17	-0.37273	0.130692	-2.85193	0.004345	0.011502	2397.106	3033.756	2356.442	2035.7	1803.27	2168.746
23195	LOC119621	16.93375	-0.37289	0.703225	-0.53025	0.595936	0.683033	17.34676	31.20247	8.348776	13.39276	19.252	12.05975
22461	CALML4	20.21304	-0.37291	0.575789	-0.64765	0.517213	0.612177	23.30971	17.51718	27.13352	17.85702	21.39111	14.06971
9442	DHX30	4402.197	-0.37293	0.124353	-2.99894	0.002709	0.007629	5444.173	4423.087	5045.444	3691.938	3409.742	4398.795
7682	VDAC1	7780.268	-0.37293	0.106622	-3.49768	0.000469	0.001624	8608.874	9746.667	7991.171	6426.294	6586.322	7322.28
10199	SUPT6H	6809.235	-0.37304	0.132444	-2.81654	0.004854	0.012653	6891.002	9313.665	6853.65	5720.941	5598.053	6478.098
14885	LOC103218	416.0236	-0.37306	0.200828	-1.85763	0.063222	0.112916	545.3389	338.3005	523.8857	368.301	378.6226	341.693
23513	LOC119626	12.57343	-0.37323	0.775202	-0.48146	0.630186	0.712521	20.59928	6.02153	16.00182	8.928508	12.83466	11.05477
9311	NONO	19527.51	-0.3733	0.123156	-3.03111	0.002437	0.006959	19924.93	26499.11	19697.55	17006.58	16300.02	17736.88
14391	ATP5F1E	8125.266	-0.37334	0.191919	-1.94527	0.051742	0.095585	10876.96	5653.669	10983.51	7075.843	6665.469	7496.142
11805	CPT1B	1053.701	-0.37346	0.152573	-2.44776	0.014375	0.032372	1301.007	1024.755	1248.142	752.2268	951.9042	1044.174
9007	SPTBN1	30402.16	-0.37351	0.119967	-3.11341	0.001849	0.005459	31200.87	40240.24	31511.76	25843.57	24648.97	28967.53
6600	FAM168B	7878.373	-0.37356	0.095729	-3.90223	9.53E-05	0.000384	8926.536	9202.54	8558.192	6604.864	6455.836	7522.271
18856	LOC103226	73.02886	-0.37378	0.308639	-1.21106	0.225873	0.318436	85.10756	82.65918	80.00911	51.33892	72.72976	66.32864
1308													



19265	SPATA45	62.91969	-0.37411	0.327593	-1.14201	0.253452	0.349754	63.42411	73.35318	75.83472	58.0353	55.61688	51.25395
13932	CUNH12or	252.2964	-0.37421	0.184741	-2.0256	0.042805	0.081681	305.1946	277.5378	274.1182	223.2127	192.52	241.1951
16844	LOC11962	118.0579	-0.37428	0.24686	-1.51617	0.129476	0.204352	128.4745	129.1892	141.9292	93.74933	115.512	99.49297
10351	FBXO27	841.8912	-0.37433	0.134837	-2.77616	0.005501	0.014127	933.4727	1021.47	903.0593	685.263	675.959	832.123
11059	PRR3	1068.532	-0.37438	0.143255	-2.61338	0.008965	0.021551	1131.876	1419.986	1066.556	857.1368	1016.078	919.5562
8786	ADAL	881.2294	-0.37463	0.117873	-3.17829	0.001481	0.004483	1050.021	956.8759	979.5898	727.6734	789.3318	783.884
8318	DCLRE1A	1153.081	-0.37464	0.113243	-3.30827	0.000939	0.003	1340.58	1330.758	1237.01	1035.707	926.2349	1048.194
11232	CPPED1	511.0905	-0.37482	0.145615	-2.57403	0.010052	0.023793	581.1166	532.0843	621.9838	428.5684	421.4048	481.3852
9111	SART3	3346.816	-0.37494	0.121731	-3.08009	0.002069	0.006038	3648.241	4190.985	3507.182	2689.713	2710.253	3334.522
12030	LOC10323	1066.193	-0.37511	0.156222	-2.40112	0.016345	0.036121	1125.913	1488.96	997.6788	895.0829	934.7914	954.7305
8917	H2AFV	5053.969	-0.3752	0.119504	-3.13963	0.001692	0.005043	6333.737	4899.883	5894.932	4263.363	4122.066	4809.832
21531	LOC10323	35.97549	-0.37529	0.469095	-0.80002	0.423698	0.523153	31.44101	44.34036	44.52681	37.94616	38.50399	19.09461
7230	POLR1A	6578.47	-0.37545	0.102642	-3.65788	0.000254	0.000935	7497.054	7499.542	7303.092	5482.104	5245.099	6443.928
6558	SNRPD3	3200.209	-0.37568	0.095926	-3.91638	8.99E-05	0.000364	3423.818	3859.253	3556.579	2843.73	2838.6	2679.275
10468	SMC3	4075.694	-0.37569	0.136518	-2.75193	0.005925	0.015046	4103.594	5659.691	4049.157	3470.957	3416.16	3754.603
24380	LOC11962	5.735737	-0.3757	1.074377	-0.34969	0.72657	0.792313	10.29964	4.379295	4.87012	6.696381	2.139111	6.029877
20763	LOC11962	39.7936	-0.37573	0.413189	-0.90933	0.363175	0.46501	42.82482	52.55153	38.96096	40.17829	32.08666	32.15934
13118	LOC10324	275.3377	-0.37597	0.172211	-2.18444	0.02893	0.058629	307.363	292.8653	332.5596	247.7661	235.3022	236.1702
6231	CREBZF	3466.03	-0.376	0.092573	-4.06172	4.87E-05	0.000208	3833.635	4028.404	3889.138	2830.337	3043.954	3170.71
10792	SLF1	620.9058	-0.37612	0.140765	-2.672	0.00754	0.018572	740.49	735.7215	629.6369	491.0679	564.7252	563.7935
7294	ITGA2	3032.818	-0.37623	0.103461	-3.6364	0.000276	0.001008	3275.286	3748.676	3258.806	2549.089	2571.211	2793.843
20097	LOC10324	48.79807	-0.37641	0.371492	-1.01324	0.310944	0.411328	54.20864	50.36189	61.22436	35.71403	47.06043	44.2191
8087	GUCD1	2809.816	-0.37658	0.111225	-3.38579	0.00071	0.002333	3389.124	2945.076	3195.494	2475.429	2192.588	2661.186
20018	CAPN3	53.05574	-0.37666	0.367425	-1.02514	0.305299	0.405454	50.95612	65.68942	61.92009	49.10679	53.47777	37.18424
19291	LOC11961	73.05011	-0.37667	0.331307	-1.13693	0.255567	0.352198	94.32303	62.40495	89.74935	66.96381	70.59065	54.26889
10021	LOC10323	1431.846	-0.3767	0.131893	-2.85613	0.004288	0.011377	1439.239	1897.877	1517.39	1196.42	1257.797	1282.354
5939	CD2BP2	3787.305	-0.37684	0.08992	-4.19081	2.78E-05	0.000124	4386.021	4257.769	4199.435	3252.209	3155.188	3473.209
19064	LOC10324	65.72866	-0.37733	0.321151	-1.17492	0.240026	0.334719	78.06044	70.61612	73.05179	62.49956	59.8951	50.24897
7864	LOC10321	1240.058	-0.37741	0.109364	-3.45096	0.000559	0.001888	1394.788	1401.374	1401.899	1136.153	1110.198	995.9347
6850	RTRAF	5609.734	-0.37748	0.099394	-3.79781	0.000146	0.000567	5930.425	6999.207	6085.562	4870.501	5048.301	4724.408
15159	ALG14	197.1767	-0.37749	0.209228	-1.80418	0.071203	0.124872	245.5651	209.6587	211.5023	158.481	201.0764	156.7768
11656	LOC10323	600.5628	-0.37773	0.152319	-2.47984	0.013144	0.029979	636.4094	781.7041	617.1137	571.4245	479.1608	517.5644
22326	LOC10322	33.66619	-0.37779	0.56326	-0.67073	0.502393	0.598232	27.6464	61.31012	23.65487	37.94616	36.36488	15.07469
6776	USP34	8167.859	-0.37784	0.098768	-3.82553	0.00013	0.000512	9126.024	9965.085	8609.676	6727.631	6932.858	7645.884
25557	LOC11962	1.227605	-0.37799	2.41257	-0.15667	0.875501	0.910717	0	2.737059	1.391463	2.232127	0	1.004979
14105	KCNK1	270.8644	-0.37801	0.189658	-1.9931	0.04625	0.087172	311.1576	303.8136	307.5133	187.4987	243.8586	271.3445
24687	LOC11962	4.039348	-0.37808	1.254874	-0.30129	0.763193	0.82187	4.336691	2.189647	6.957314	4.464254	4.278221	2.009959
21681	LOC10323	29.14757	-0.3781	0.484804	-0.7799	0.435451	0.533946	27.6464	39.41365	31.30791	22.32127	32.08666	22.10955
5021	AMD1	9157.241	-0.37814	0.080836	-4.67787	2.90E-06	1.53E-05	10536.53	10211.42	10298.22	8073.603	8160.707	7662.968
17878	DUS3L	152.2382	-0.37845	0.27739	-1.36433	0.172465	0.256459	196.2353	122.6202	200.3706	111.6063	119.7902	162.8067
6241	RAP2C	2571.453	-0.37849	0.093344	-4.05476	5.02E-05	0.000214	2812.886	3051.821	2854.586	2205.341	2293.127	2210.955
18042	LOC10321	101.5293	-0.37852	0.283331	-1.33595	0.181564	0.267536	137.1479	94.70224	112.0128	80.35657	100.5382	84.41828
7218	WDR1	13155.39	-0.37853	0.103389	-3.66122	0.000251	0.000924	14547.43	16225.29	13847.14	11598.13	10400.36	12314.01
21527	CEACAM1	34.7296	-0.37868	0.473046	-0.80051	0.423415	0.522901	39.03022	44.34036	32.69937	35.71403	38.50399	18.08963
16896	FADS2	141.7467	-0.37869	0.25125	-1.50723	0.131753	0.207294	154.4946	145.0641	178.1072	136.1597	141.1813	95.47305
13821	LOC11962	297.0203	-0.37873	0.185261	-2.0443	0.040924	0.078671	387.5918	306.5506	311.6877	243.3018	288.7799	244.21
19597	LOC11962	67.22225	-0.37882	0.348612	-1.08667	0.277184	0.376031	94.32303	54.74118	79.31338	58.0353	55.61688	61.30375
11386	JTB	2115.547	-0.37898	0.149207	-2.53998	0.011086	0.025884	2705.553	1815.765	2654.215	1859.362	1835.357	1823.033
24348	CUNH19or	6.856329	-0.37899	1.069427	-0.35439	0.72305	0.789481	7.589209	10.94824	4.87012	0	10.69555	7.034856
7849	UHRF1BP1	3658.513	-0.37922	0.109792	-3.45395	0.000552	0.001871	4053.18	4496.441	3867.571	3080.335	2939.138	3514.413
6226	MECP2	4520.079	-0.37924	0.093304	-4.06452	4.81E-05	0.000206	4929.733	5394.743	5012.745	3950.865	3704.94	4127.451
13981	CUNH19or	350.526	-0.3794	0.188263	-2.01525	0.043879	0.083435	454.8105	313.1196	422.3089	296.8729	299.4755	316.5685
7140	SF3B2	9392.746	-0.37946	0.10301	-3.68366	0.00023	0.000856	10033.48	11910.04	9923.217	8024.496	7867.649	8597.599
5818	ETF1	10308.72	-0.37952	0.088999	-4.26433	2.01E-05	9.16E-05	11636.97	12372.6	10965.42	8747.706	8785.328	9344.299
14108	GRWD1	1181.538	-0.37954	0.190527	-1.99204	0.046366	0.087372	1625.175	914.1777	1470.776	1080.349	896.2874	1102.462
8371	LOC10324	874.0554	-0.37965	0.115314	-3.29228	0.000994	0.003156	1014.786	980.962	967.0666	749.9947	797.8883	733.635
8500	DNTTIP2	4127.497	-0.3797	0.116601	-3.25636	0.001129	0.003529	4144.25	5424.851	4433.896	3564.707	3572.315	3624.961
7750	PNPT1	3209.077	-0.37972	0.109179	-3.47793	0.000505	0.001733	3488.868	4096.283	3300.55	2825.873	2770.148	2772.738
12526	LOC10322	1058.598	-0.3798	0.165391	-2.29636	0.021655	0.045961	952.9878	1496.076	1140.304	912.9399	983.9909	865.2873
19767	UNC79	84.78642	-0.37993	0.359009	-1.05828	0.289928	0.389929	127.9324	82.11177	75.13899	75.89232	98.39909	49.24399
10790	TMCO4	603.1506	-0.37998	0.142174	-2.67266	0.007525	0.018541	723.6853	667.8424	660.2491	504.4607	472.7435	589.9229
8245	KLHL12	2809.839	-0.38021	0.114106	-3.33207	0.000862	0.002779	3328.41	3040.873	3174.622	2254.448	2273.875	2786.808
6642	EXOC2	4720.314	-0.38028	0.097986	-3.88094	0.000104	0.000416	5652.335	5147.313	5224.943	3903.99	3940.242	4453.064
6878	CDC14B	1743.577	-0.38043	0.100462	-3.7868	0.000153	0.00059	1937.417	2001.338	1982.834	1426.329	1516.629	1596.912
8254	METAP2	7001.463	-0.38064	0.11438	-3.32789	0.000875	0.002818	7329.55	9252.354	7177.861	6033.439	6042.988	6172.584
11103	LOC10323	442.4242	-0.38095	0.146283	-2.60417	0.00921	0.022052	515.5241	523.3257	461.2699	381.6937	397.8746	374.8573
24079	LOC11961	6.530599	-0.38095	0.968643	-0.39328	0.694113	0.766353	5.96295	6.568942	9.740239	4.464254	6.417332	6.029877
22056	LOC11961	36.951	-0.38106	0.532653	-0.71541	0.474358	0.571764	59.6295	18.06459	47.30973	26.78552	42.78221	27.13445
7337	CFAP20	1619.015	-0.38117	0.105296	-3.61996	0.000295	0.001068	1843.094	1939.48	1709.412	1455.347	1398.978	1367.777
10940	CHAF1B	1651.496	-0.3814	0.144408	-2.6411	0.008264	0.020081	1636.017	2297.487	1673.234	1374.99	1443.9	1483.35
14657	FXYD5	2201.792	-0.38142	0.201167	-1.89605	0.057954	0.105117						



16682	LOC119620	129.4668	-0.38176	0.247083	-1.54507	0.122328	0.194947	140.9425	163.1287	133.5804	131.6955	106.9555	100.4979
16952	LOC103232	116.0838	-0.38181	0.254673	-1.4992	0.133822	0.209866	148.5317	113.8617	131.4932	100.4457	102.6773	99.49297
12728	HOXB3	349.5427	-0.38185	0.169557	-2.25203	0.024321	0.050799	350.7299	444.4984	389.6096	316.962	308.0319	287.4241
6072	MSL3	2596.592	-0.38187	0.092343	-4.13531	3.54E-05	0.000155	2935.398	3063.864	2814.929	2281.234	2228.953	2255.174
9013	MPDU1	2925.499	-0.38188	0.122708	-3.11212	0.001858	0.005479	3653.662	2803.296	3478.657	2511.143	2395.804	2710.43
7847	ATP11B	5719.422	-0.38197	0.110586	-3.45406	0.000552	0.001871	5964.034	7380.206	6075.822	4935.233	4725.295	5235.943
7858	NUFIP2	25911.15	-0.38207	0.110695	-3.45156	0.000557	0.001886	27381.87	33875.49	26713.3	21861.45	21816.79	23818.01
6895	DCPS	1759.032	-0.38222	0.101178	-3.77769	0.000158	0.00061	1957.474	2098.229	1919.523	1473.204	1520.908	1584.853
5164	DARS1	4394.383	-0.38226	0.083168	-4.59618	4.30E-06	2.22E-05	5029.477	4971.047	4916.038	3837.026	3878.208	3734.504
12233	SHLD3	319.7864	-0.38236	0.162015	-2.36001	0.018274	0.039711	370.245	341.0376	372.912	285.7123	284.5017	264.3096
11312	LOC103225	5491.792	-0.38251	0.149687	-2.55538	0.010607	0.024929	5621.978	7824.704	5204.071	4332.558	4678.235	5289.207
6764	NAAT5	4541.198	-0.38262	0.099876	-3.83092	0.000128	0.000502	5250.106	5428.683	4746.975	3799.08	3788.365	4233.979
11021	CNOT6	1800.865	-0.38273	0.145826	-2.62457	0.008676	0.02093	1859.356	2453.5	1807.51	1424.097	1490.96	1769.769
21957	LOC103225	25.66131	-0.38325	0.521568	-0.73479	0.462464	0.559941	26.56223	25.72836	34.09084	31.24978	19.252	17.08465
19025	LOC103236	72.6785	-0.38325	0.324809	-1.17993	0.238028	0.332597	81.85504	71.71095	91.83654	60.26743	79.14709	51.25395
8400	USP10	3644.397	-0.38325	0.116751	-3.28268	0.001028	0.003254	3862.365	4722.522	3796.606	3095.96	2984.059	3404.87
21826	LOC119625	25.59142	-0.38333	0.507135	-0.75587	0.449726	0.547742	32.52518	25.72836	28.52499	17.85702	27.80844	21.10457
24491	LOC103214	6.043646	-0.38339	1.153416	-0.33239	0.739592	0.802833	10.29964	3.284471	6.957314	0	10.69555	5.024897
6648	FAM220A	1901.827	-0.38347	0.098854	-3.87916	0.000105	0.000419	2194.366	2162.277	2108.066	1609.364	1587.22	1749.669
10341	EEF1AKMT	1027.249	-0.38361	0.138043	-2.77892	0.005454	0.014021	1301.007	981.5094	1204.311	939.7255	887.7309	849.2077
22279	LOC103225	20.07918	-0.38364	0.566713	-0.67696	0.498431	0.59478	23.8518	20.25424	24.3506	20.08914	12.83466	19.09461
9127	HDAC5	4276.929	-0.38364	0.124836	-3.07318	0.002118	0.006169	5198.066	4210.144	5125.453	3745.509	3242.892	4139.51
14988	COMMD1	671.8365	-0.38371	0.208983	-1.83608	0.066346	0.117681	873.8432	493.7655	913.4953	589.2815	613.9248	546.7088
14365	FAM155B	26.9942	-0.38373	0.196849	-1.94934	0.051255	0.094864	330.6727	462.0156	316.5578	296.8729	284.5017	271.3445
7318	SNX30	1828.427	-0.3838	0.105788	-3.62802	0.000286	0.001038	2120.1	2127.242	1969.616	1502.221	1535.881	1715.5
4555	TCP1	12414.48	-0.38397	0.077264	-4.96963	6.71E-07	3.92E-06	14221.64	13875.25	14070.47	10953.05	10813.2	10553.29
6397	EMD	3845.276	-0.38399	0.096452	-3.98115	6.86E-05	0.000285	4422.883	4504.652	4140.297	3334.798	3112.406	3556.622
7143	COG6	1286.682	-0.38419	0.104322	-3.68276	0.000231	0.000859	1486.943	1414.512	1468.689	1084.814	1163.676	1101.457
7625	RAE1	1857.816	-0.38434	0.109243	-3.51826	0.000434	0.001514	2232.854	1999.148	2084.411	1638.381	1469.569	1722.535
13640	DGUOK	758.4101	-0.38444	0.184733	-2.08107	0.037427	0.072948	1000.149	614.1961	964.2837	660.7096	609.6465	701.4757
9412	PHACTR2	1659.743	-0.38445	0.127941	-3.00487	0.002657	0.007505	1738.471	2203.88	1695.497	1424.097	1467.43	1429.081
6138	DCUN1D5	2606.005	-0.38447	0.093735	-4.10165	4.10E-05	0.000178	2973.344	3040.873	2835.801	2236.591	2361.578	2187.84
7631	GTPBP1	2293.927	-0.38465	0.109438	-3.51479	0.00044	0.001533	2611.772	2579.952	2606.905	2100.431	1736.958	2127.542
20954	LOC103233	43.85663	-0.38474	0.43495	-0.88456	0.376393	0.477541	59.6295	35.03436	52.87558	42.41041	47.06043	26.12947
9034	CENPS	862.0121	-0.38483	0.123963	-3.10441	0.001907	0.005611	950.2774	1067.453	909.3209	767.8517	746.5496	730.6201
7063	UBLCP1	1803.7	-0.38485	0.103834	-3.70643	0.00021	0.000791	1911.939	2123.958	2088.586	1631.685	1578.664	1487.37
15359	NKX3-1	269.9033	-0.38504	0.217855	-1.76743	0.077156	0.13355	272.6694	383.1883	262.9865	247.7661	192.52	260.2897
8461	PSMD5	1826.825	-0.38506	0.117944	-3.26479	0.001095	0.003442	2255.079	1880.907	2077.454	1555.793	1463.152	1728.565
21806	LOC103224	26.77793	-0.38511	0.507382	-0.75902	0.447839	0.545987	25.47806	37.224	27.82925	20.08914	29.94755	20.09959
6302	VTA1	2084.282	-0.38513	0.095684	-4.02502	5.70E-05	0.00024	2382.47	2442.004	2259.735	1763.38	1813.966	1844.137
8543	CTDSP2	6399.668	-0.38537	0.118879	-3.24166	0.001188	0.003697	7688.953	6736.997	7333.009	5158.445	5005.519	6475.083
8267	RFC3	1614.625	-0.38543	0.115967	-3.32366	0.000888	0.002857	2032.282	1659.753	1794.987	1348.205	1454.595	1397.926
6813	ABCF2	5776.453	-0.38544	0.101099	-3.81249	0.000138	0.000537	6390.114	7079.677	6167.659	4881.662	4716.739	5422.869
20952	LOC119625	36.69308	-0.38562	0.435791	-0.88487	0.376225	0.477374	52.04029	36.12918	36.17803	35.71403	29.94755	30.14938
12199	SH3BGR13	1801.7	-0.38595	0.163089	-2.3665	0.017957	0.039133	1695.646	2646.736	1783.16	1533.471	1490.96	1660.226
7060	TRAF3	2296.428	-0.38613	0.104146	-3.70761	0.000209	0.000788	2694.711	2555.866	2563.074	1839.273	1950.869	2174.776
8625	EEF1AKMT	1084.008	-0.38617	0.119879	-3.22131	0.001276	0.003933	1237.041	1337.327	1110.387	924.1006	945.4869	949.7056
7556	BRIX1	1910.35	-0.38619	0.1091	-3.53976	0.0004	0.001409	2055.592	2392.19	2043.363	1656.238	1702.732	1611.987
8927	SURF6	1030.472	-0.38625	0.123087	-3.13801	0.001701	0.005066	1214.273	1151.207	1142.391	912.9399	787.1927	974.8301
7407	ZBED5	2613.183	-0.38671	0.107471	-3.59823	0.00032	0.00115	2741.331	3263.122	2883.807	2176.324	2224.675	2389.841
12390	LOC103245	354.1706	-0.38681	0.166494	-2.32327	0.020164	0.043266	431.5008	395.7787	379.8693	265.6231	316.5884	335.6631
8207	CHCHD6	986.9377	-0.3871	0.115751	-3.34428	0.000825	0.002672	1172.533	1051.578	1132.651	881.6902	812.8621	870.3122
10317	CARF	627.2768	-0.38719	0.139022	-2.78512	0.005351	0.013788	720.9749	757.0705	651.9003	520.0856	601.0901	512.5395
22241	CATSPER3	23.71211	-0.38733	0.565237	-0.68526	0.493182	0.589507	31.44101	18.612	29.91645	31.24978	14.97377	16.07967
17425	LOC103225	120.9388	-0.38752	0.2721	-1.4242	0.15439	0.23555	162.0838	112.7668	135.6676	89.28508	128.3466	97.48301
23082	LOC119620	12.59994	-0.38757	0.705896	-0.54905	0.58297	0.67147	11.9259	15.32753	15.30609	11.16063	12.83466	9.044815
12082	DMAC2L	443.9164	-0.38762	0.162155	-2.39044	0.016828	0.037028	576.2378	456.5415	473.7931	410.7114	391.4573	354.7578
16698	APOLD1	132.1868	-0.38762	0.251211	-1.54302	0.122826	0.195552	162.0838	147.2538	137.7548	109.3742	141.1813	95.47305
15859	PRR7	163.6988	-0.38796	0.229612	-1.68962	0.0911	0.152715	192.9827	154.9175	210.1109	145.0883	128.3466	150.7469
17945	LOC119625	83.42024	-0.38802	0.287069	-1.35167	0.176481	0.261452	101.3702	94.15483	89.05362	66.96381	70.59065	78.3884
11127	NHP2	3149.966	-0.3881	0.149442	-2.59695	0.009405	0.022472	4043.964	2727.753	3944.101	2843.73	2459.977	2880.271
6394	TMEM39A	1867.92	-0.38826	0.097516	-3.98147	6.85E-05	0.000285	2172.14	2041.299	2143.548	1589.274	1582.942	1678.316
8025	ERAP1	3655.817	-0.38871	0.114186	-3.40418	0.000664	0.002198	3980.54	4705.552	3754.166	3093.728	3016.146	3384.771
20051	USH1G	54.8991	-0.38876	0.380975	-1.02043	0.307523	0.407735	79.6867	47.07742	60.52863	51.33892	38.50399	52.25893
5807	IARS2	6680.878	-0.3889	0.091072	-4.27027	1.95E-05	8.94E-05	7809.838	7473.266	7452.674	5691.924	5439.758	6217.808
21939	PAQR9	28.2113	-0.38894	0.527389	-0.73748	0.46083	0.558438	34.69353	20.25424	40.35242	33.4819	21.39111	19.09461
10072	GPATCH3	531.6241	-0.3891	0.13675	-2.84533	0.004437	0.01171	590.3321	642.1141	574.6741	479.9073	453.4915	449.2258
8354	FBXW2	4460.031	-0.38923	0.118087	-3.29613	0.00098	0.003119	4743.798	5817.345	4618.265	3636.135	3749.861	4194.784
22543	LOC119625	18.30768	-0.38942	0.614199	-0.63403	0.526062	0.620386	26.02015	15.32753	20.87194	11.16063	21.39111	15.07469
10357	ZNF680	741.3829	-0.38942	0.140343	-2.7748	0.005524	0.014178	743.7425	932.7897	842.5307	651.7811	684.5154	592.9379
8454	CDC42BPA	7303.746	-0.3895	0.119207	-3.26741	0.001085	0.003413</						



17433	IL17D	92.77943	-0.38992	0.274279	-1.42163	0.155135	0.236578	116.5486	101.8186	97.40239	80.35657	79.14709	81.40334
9031	GXYLT1	3222.213	-0.39005	0.125629	-3.10481	0.001904	0.005604	3363.104	4348.639	3251.848	2861.587	2776.566	2731.534
8344	USP25	4042.443	-0.39006	0.118231	-3.29916	0.00097	0.00309	4330.728	5341.644	4083.943	3383.905	3615.097	3499.339
12991	SGSM1	295.5781	-0.39017	0.176956	-2.20488	0.027462	0.0562	358.8612	308.1929	338.8212	285.7123	224.6066	257.2747
25211	LOC119621	2.076414	-0.39027	1.831662	-0.21307	0.831274	0.876579	5.420864	1.094824	0.695731	2.232127	0	3.014938
17273	LOC10324	109.4369	-0.39037	0.268441	-1.4542	0.14589	0.224541	124.1378	105.1031	144.0164	100.4457	83.42532	99.49297
6129	NAE1	4615.887	-0.39039	0.095109	-4.10464	4.05E-05	0.000176	5385.086	4914.663	5405.137	3968.722	4243.996	3777.718
7860	CASP2	1208.445	-0.39049	0.113138	-3.45144	0.000558	0.001886	1406.172	1332.4	1378.94	946.4218	1080.251	1106.482
7513	RNF167	1765.678	-0.3907	0.109927	-3.55413	0.000379	0.001342	1869.656	2215.376	1924.393	1513.382	1548.716	1522.544
7539	BANF1	2022.641	-0.39073	0.110179	-3.54632	0.000391	0.001378	2218.217	2542.728	2125.459	1761.148	1681.341	1806.953
8603	ESPL1	2180.28	-0.39097	0.121134	-3.22764	0.001248	0.003857	2591.715	2356.06	2482.37	1872.755	1632.141	2146.636
10013	TCTN3	878.0131	-0.39109	0.136842	-2.85798	0.004263	0.01132	1059.779	916.9148	1019.246	705.3521	699.4892	867.2973
6265	CBL	5753.371	-0.39116	0.096733	-4.04371	5.26E-05	0.000223	6393.367	6916.548	6283.846	4776.752	4750.965	5398.75
18300	LOC10323	82.15889	-0.39122	0.304978	-1.28277	0.199571	0.289924	98.11763	95.79707	84.1835	91.51721	62.03421	61.30375
8960	MDM4	1539.033	-0.39122	0.125044	-3.12867	0.001756	0.00521	1607.286	2013.381	1618.967	1272.312	1377.587	1344.663
23609	LOC11962	12.17005	-0.39142	0.837541	-0.46734	0.640253	0.720943	12.46799	15.32753	12.52316	17.85702	12.83466	2.009959
9342	DCBLD1	986.6019	-0.39146	0.129595	-3.02063	0.002523	0.007178	1047.853	1276.564	1033.857	841.5119	870.618	849.2077
7466	LOC10323	6031.785	-0.39153	0.10954	-3.57433	0.000351	0.00125	6290.37	7769.416	6479.346	5258.891	4913.537	5479.148
7478	EIF2B2	1228.517	-0.39155	0.10967	-3.57026	0.000357	0.001268	1380.694	1404.659	1400.507	1100.439	973.2954	1111.507
8009	MTHFD2L	973.9594	-0.3917	0.114872	-3.40985	0.00065	0.002158	1073.331	1103.035	1136.825	825.887	902.7047	801.9736
6803	ARHGAP23	3641.384	-0.39206	0.102727	-3.81653	0.000135	0.000529	3947.473	4414.329	4043.591	3180.781	2881.382	3380.751
7408	GNA12	5340.633	-0.3921	0.108978	-3.598	0.000321	0.001151	6441.612	5751.109	6002.77	4450.861	4192.657	5204.789
8589	EXOSC3	867.1726	-0.39211	0.1213	-3.23256	0.001227	0.003797	997.981	999.0266	958.0221	790.173	675.959	781.874
23499	FOXN1	9.831882	-0.3922	0.809211	-0.48467	0.627908	0.710368	9.215468	12.04306	12.52316	4.464254	10.69555	10.04979
7085	DDX3X	29206.5	-0.39227	0.105973	-3.70159	0.000214	0.000804	31179.72	37686.57	30596.87	24457.42	24471.43	26847.02
10145	ZBTB10	2207.491	-0.39229	0.138778	-2.82672	0.004703	0.012323	2271.342	3044.705	2204.077	1854.898	1826.801	2043.123
24315	LOC10321	6.413034	-0.39235	1.091701	-0.35939	0.719303	0.786455	8.673382	4.379295	8.348776	2.232127	12.83466	2.009959
8004	SKIV2L	3265.695	-0.39241	0.115053	-3.4107	0.000648	0.002152	4017.944	3337.022	3773.647	2758.909	2586.185	3120.461
20085	LOC11962	73.09454	-0.39248	0.386615	-1.01517	0.310027	0.410359	108.9594	50.36189	90.44508	73.66019	42.78221	72.35852
7090	SUMO3	4934.595	-0.39255	0.106064	-3.70101	0.000215	0.000805	5090.191	6305.637	5407.224	4296.844	4353.09	4154.585
4726	HNRNPK	34192.46	-0.39258	0.080668	-4.86659	1.14E-06	6.39E-06	39148.94	38562.43	38744.58	29185.06	28328.24	31185.52
5493	AIMP1	3030.226	-0.39274	0.089016	-4.41199	1.02E-05	4.96E-05	3495.373	3435.009	3386.125	2720.963	2603.298	2540.588
17047	LOC10322	107.9647	-0.39285	0.264216	-1.48687	0.13705	0.213704	131.1849	114.4091	123.1445	102.6778	74.86887	101.5029
19793	LOC11961	60.99533	-0.39288	0.372677	-1.05421	0.291787	0.391914	50.95612	87.58589	68.18167	66.96381	47.06043	45.22408
21542	LOC11962	34.68902	-0.39288	0.492143	-0.79831	0.424691	0.524112	42.28274	35.58177	41.74388	33.4819	12.83466	42.20914
19062	LOC11962	75.92952	-0.39296	0.334391	-1.17515	0.239934	0.334626	68.30288	96.34448	91.83654	78.12444	72.72976	48.23901
9231	ITPR2	2512.824	-0.39315	0.129021	-3.04716	0.00231	0.006653	2667.607	3378.078	2516.46	2098.199	2109.163	2307.433
15643	LOC11962	170.8466	-0.39317	0.227757	-1.72627	0.084298	0.143264	227.6763	186.12	169.7585	145.0883	132.6249	163.8117
10117	RPAP1	2015.309	-0.3932	0.138774	-2.83341	0.004605	0.012102	2487.634	2018.855	2366.878	1656.238	1508.073	2054.178
12708	CREB3L4	514.3455	-0.39322	0.174263	-2.25647	0.024041	0.050286	653.2141	537.5584	567.0211	435.2648	359.3706	533.6441
7763	WDR70	1676.398	-0.39324	0.113168	-3.47484	0.000511	0.001751	1780.212	2126.147	1804.727	1435.258	1441.761	1470.285
8363	MAFF	2165.065	-0.39349	0.119461	-3.29387	0.000988	0.003141	2457.278	2720.637	2202.686	1839.273	1728.401	2042.118
21776	LOC11962	727.9964	-0.39349	0.515276	-0.76366	0.445073	0.543362	1048.395	345.9643	1086.037	700.8879	496.2737	690.4209
22490	LOC10322	21.73129	-0.39353	0.614472	-0.64044	0.521887	0.616964	28.18849	13.13788	33.39511	11.16063	21.39111	23.11453
9669	PACB1	1085.622	-0.39369	0.13391	-2.93992	0.003283	0.009027	1325.401	1082.781	1294.756	955.3503	836.3923	1019.049
13358	LOC10323	241.5895	-0.39383	0.18442	-2.13549	0.032721	0.065121	266.1644	257.2836	300.556	196.4272	216.0502	213.0556
22926	RNF186	13.79519	-0.39386	0.684253	-0.57561	0.564882	0.655037	14.63633	16.42235	15.30609	13.39276	14.97377	8.039836
14176	LOC10321	821.2714	-0.39402	0.198901	-1.98097	0.047594	0.089256	1098.809	616.3857	1082.558	705.3521	740.1323	684.391
12104	ATP5PO	4619.487	-0.39404	0.165185	-2.38547	0.017057	0.037464	5740.695	3668.207	6330.46	4109.346	3948.798	3919.42
8692	CUNRSD3	923.1854	-0.39427	0.122995	-3.20558	0.001348	0.004122	1031.59	1130.405	990.0257	772.3159	761.5234	857.2475
11544	TXNH22or	459.1274	-0.39442	0.157464	-2.50484	0.012251	0.028212	570.8169	461.4682	535.7132	374.9973	378.6226	433.1462
20395	LOC11961	40.457	-0.39456	0.410001	-0.96235	0.335875	0.437815	48.78777	51.45671	37.56949	31.24978	38.50399	35.17428
5887	LOC11961	8446.063	-0.39485	0.093536	-4.22138	2.43E-05	0.00011	10058.41	9083.752	9649.098	7254.413	6828.041	7802.661
10912	MED9	632.4828	-0.39486	0.149058	-2.64902	0.008073	0.019667	800.1195	641.0192	716.6033	578.1209	479.1608	579.8732
6201	LTBR	2558.224	-0.39493	0.096963	-4.07298	4.64E-05	0.000199	2823.728	2998.175	2900.504	2077.841	2055.685	2303.413
6239	LRPPRC	14677.44	-0.39512	0.097417	-4.05592	4.99E-05	0.000213	17160.29	16854.81	16019.91	11999.91	11946.93	14082.78
6243	ASS1	4677.316	-0.3952	0.097485	-4.05397	5.04E-05	0.000214	5551.507	5228.878	5169.98	3912.919	3794.782	4405.83
7189	REV1	2008.421	-0.39558	0.107801	-3.66957	0.000243	0.000898	2256.163	2486.892	2105.283	1656.238	1754.071	1791.878
11994	ZNF589	730.4381	-0.39564	0.164314	-2.40782	0.016048	0.035571	719.3486	1031.871	738.8667	642.8526	607.5074	642.1819
24746	LOC11961	3.592074	-0.39578	1.362045	-0.29058	0.771375	0.828723	4.336691	5.474118	2.087194	2.232127	6.417332	1.004979
8623	LOC10322	1321.581	-0.39607	0.122906	-3.22255	0.001271	0.003917	1541.152	1337.874	1622.446	1223.206	1146.563	1058.243
10637	ZNF397	725.3162	-0.39614	0.146217	-2.70924	0.006744	0.016854	804.9983	903.2295	766.0002	694.1915	526.2212	657.2566
7963	SLC2A10	1070.62	-0.39616	0.115797	-3.42118	0.000623	0.002082	1263.603	1193.358	1195.266	973.2074	838.5314	959.7554
18457	STAC3	77.71133	-0.39634	0.31578	-1.25511	0.20944	0.301672	86.19173	79.37471	97.40239	82.5887	68.45154	52.25893
7253	SEC13	5507.304	-0.39639	0.108574	-3.65091	0.000261	0.000958	6685.009	5459.338	6637.973	4636.128	4605.505	5019.872
12581	GJA3	479.096	-0.39646	0.173285	-2.2879	0.022143	0.04679	532.3288	607.6271	493.2735	337.0512	496.2737	408.0217
22046	REP15	22.40336	-0.39664	0.553359	-0.71678	0.473508	0.570997	27.10432	21.89647	27.13352	13.39276	27.80844	17.08465
21379	LOC11962	42.04609	-0.39671	0.483623	-0.82029	0.412049	0.512387	28.18849	73.35318	41.04815	33.4819	47.06043	29.1444
20394	LOC11962	44.55418	-0.39677	0.412245	-0.96246	0.335821	0.437766	63.96619	41.6033	45.22254	46.87467	38.50399	31.15436
5557	CLCN3	9626.592	-0.39711	0.09046	-4.3899	1.13E-05	5.43E-05	11016.82	11331.97	10488.85	7982.086	8004.552	8935.272



9777	PTPN18	1340.343	-0.39783	0.136745	-2.90933	0.003622	0.009849	1411.051	1786.752	1378.244	1089.278	1114.477	1262.254
7877	TAX1BP1	3340.392	-0.39785	0.115424	-3.44688	0.000567	0.001914	3558.255	4308.131	3532.228	2881.676	2671.749	3090.312
9072	LOC103225	646.0418	-0.39785	0.128744	-3.09025	0.002	0.00586	709.5911	780.0618	715.9076	531.2462	562.5861	576.8582
22122	LOC119625	377.934	-0.39791	0.564095	-0.70539	0.480569	0.577521	520.945	195.426	573.9784	330.3548	194.6591	452.2408
7055	LOC119618	1149.072	-0.39805	0.107304	-3.70952	0.000208	0.000782	1357.926	1294.629	1269.014	964.2789	992.5473	1016.034
7192	NDUFAF4	1490.624	-0.39808	0.108511	-3.66857	0.000244	0.000901	1736.303	1588.042	1760.2	1218.741	1371.17	1269.289
8637	PIM1	1103.462	-0.39819	0.123731	-3.21814	0.00129	0.003971	1306.97	1256.858	1203.615	1015.618	825.6967	1012.014
12338	LOC103215	286.5826	-0.39823	0.170425	-2.33668	0.019456	0.041928	317.1205	343.7746	318.645	247.7661	228.8848	263.3046
21940	LOC103225	27.75162	-0.39827	0.540164	-0.73731	0.460932	0.558491	26.56223	36.12918	33.39511	24.5534	10.69555	35.17428
11057	PSD2	443.7702	-0.39835	0.152415	-2.61362	0.008959	0.02154	531.2446	454.3518	530.843	357.1403	385.0399	404.0017
23532	XAF1	16.21473	-0.39842	0.833358	-0.47809	0.632587	0.714566	15.17842	17.51718	21.56767	8.928508	32.08666	2.009959
18247	PYGM	70.39591	-0.39848	0.308136	-1.29319	0.195944	0.285491	79.6867	83.2066	76.53045	62.49956	64.17332	56.27885
9614	WDC1	527.3976	-0.399	0.134961	-2.95638	0.003113	0.008606	591.4162	610.9116	600.4162	439.729	438.5177	483.3951
24277	LOC119615	5.680998	-0.399	1.092691	-0.36516	0.714995	0.782985	8.673382	6.02153	4.174388	8.928508	4.278221	2.009959
9349	ZNFS11	1248.031	-0.39901	0.132184	-3.01863	0.002539	0.007221	1533.02	1206.496	1522.956	1022.314	1056.721	1146.682
7688	GTF2H2	1337.484	-0.39906	0.114114	-3.49701	0.000471	0.001627	1640.353	1389.331	1536.871	1138.385	1123.033	1196.931
21699	LOC103245	26.28644	-0.39914	0.513239	-0.77769	0.436754	0.535099	35.23561	21.34906	33.39511	20.08914	23.53022	24.11951
7912	TCF12	6547.283	-0.39936	0.11628	-3.43451	0.000594	0.001995	6908.349	8664.434	6773.641	5600.407	5371.307	5965.558
6594	LNPK	2510.77	-0.39957	0.102347	-3.90412	9.46E-05	0.000381	2747.294	3109.299	2712.657	2225.431	2077.076	2192.865
21482	LOC103225	31.87756	-0.39973	0.495276	-0.80708	0.419622	0.519324	42.82482	25.72836	38.96096	35.71403	29.94755	18.08963
20003	P2RX1	43.51934	-0.39998	0.388506	-1.02953	0.30323	0.403008	52.04029	43.79295	52.87558	35.71403	38.50399	38.18922
9740	CHPF	2028.403	-0.40004	0.137041	-2.91914	0.00351	0.00958	2497.934	1965.756	2467.063	1694.184	1546.577	1998.904
5905	FAM199X	3434.641	-0.40005	0.095034	-4.20951	2.56E-05	0.000115	4002.766	3865.822	3859.918	2723.195	3056.789	3099.357
6495	TNFAlP1	4291.837	-0.40006	0.101492	-3.94174	8.09E-05	0.000331	5195.356	4579.1	4882.643	3571.403	3499.585	4022.933
10186	NRM	628.9935	-0.40009	0.141954	-2.81845	0.004826	0.012594	686.2813	792.6523	672.0765	515.6213	513.3866	593.9429
23062	LOC103245	19.4067	-0.40011	0.724856	-0.55199	0.580956	0.669704	27.6464	13.13788	24.3506	35.71403	8.556443	7.034856
13252	LOC103245	535.8053	-0.40014	0.185465	-2.15751	0.030966	0.062122	688.4497	465.8475	672.7722	433.0326	532.6386	422.0914
5657	ENOPH1	3394.406	-0.40022	0.092148	-4.34323	1.40E-05	6.60E-05	3969.156	3739.37	3883.573	2765.605	2945.555	3063.177
13225	LOC103245	239.4739	-0.40026	0.184974	-2.16386	0.030475	0.061261	291.6425	261.1154	264.3779	225.4448	188.2417	206.0208
23374	LOC119625	11.02988	-0.40027	0.796737	-0.50238	0.6154	0.699874	16.80468	6.568942	13.91463	11.16063	10.69555	7.034856
14741	LOC119625	1191.456	-0.40048	0.212761	-1.88231	0.059794	0.107836	1663.121	825.497	1580.006	1073.653	924.0958	1082.363
8425	CNIH4	2003.517	-0.40063	0.122314	-3.27541	0.001055	0.003329	2400.358	1931.816	2507.416	1745.523	1730.541	1705.45
8596	CLANE1	5938.531	-0.40068	0.124016	-3.23083	0.001234	0.003817	6199.842	8086.915	5988.16	4982.107	5106.057	5268.102
10359	TRPF2	1483.342	-0.40082	0.144484	-2.77411	0.005535	0.014206	1575.845	2054.984	1434.598	1265.616	1236.406	1332.603
8993	UCHL3	1015.514	-0.4009	0.128531	-3.1191	0.001814	0.005363	1227.284	1014.902	1221.704	910.7078	898.4265	820.0632
16253	RAB31L1	116.9835	-0.40095	0.248119	-1.61594	0.106107	0.17356	125.222	147.2538	126.6231	104.91	98.39909	99.49297
7984	UBE3B	2295.114	-0.40105	0.117373	-3.41689	0.000633	0.002109	2440.473	2872.817	2530.375	1812.487	1916.643	2197.89
5819	PSMB7	9671.585	-0.40106	0.094059	-4.26394	2.01E-05	9.18E-05	11623.42	10218.54	11186.66	8198.602	7940.379	8861.909
24716	LOC119625	3.6557	-0.4011	1.356052	-0.29579	0.767392	0.825324	3.252518	4.379295	4.87012	0	6.417332	3.014938
12272	COX7A2	5947.829	-0.40111	0.170661	-2.35033	0.018757	0.040633	7497.597	4621.798	8187.367	5339.248	5230.126	4810.837
27271	LOC119625	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
27287	LOC119625	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
27527	LOC119618	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
27609	LOC103245	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
28294	HNRNPCL1	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
28491	LOC119625	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
28542	LOC119625	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
29434	LOC103238	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
29546	LOC103235	0.206303	-0.40116	4.033435	-0.09946	0.920774	NA	0.542086	0	0.695731	0	0	0
6190	BUD31	3761.645	-0.40135	0.098381	-4.07955	4.51E-05	0.000194	4280.856	3992.822	4566.085	3308.012	3366.96	3055.138
22472	LDHC	17.27189	-0.40135	0.623067	-0.64416	0.519474	0.614552	22.22554	13.6853	22.95914	17.85702	12.83466	14.06971
17830	LOC103245	370.9088	-0.40147	0.292564	-1.37224	0.169989	0.253458	259.1173	662.3683	342.9956	312.4978	387.179	261.2947
25289	LOC103215	1.597322	-0.40174	2.004451	-0.20042	0.841149	0.884255	1.084173	2.737059	1.391463	2.232127	2.139111	0
7428	TENT4A	2474.415	-0.40177	0.111938	-3.58923	0.000332	0.001187	2607.435	3160.208	2686.219	2044.628	2104.885	2243.114
19081	BEND5	66.52552	-0.40203	0.34297	-1.1722	0.241115	0.335938	74.80792	77.18507	73.05179	58.0353	74.86887	41.20416
21756	LOC103225	25.2479	-0.40221	0.524006	-0.76757	0.442744	0.541016	32.52518	29.01283	25.74206	20.08914	14.97377	29.1444
9582	ZKSCAN2	1077.521	-0.40226	0.13568	-2.96475	0.003029	0.008405	1202.348	1401.374	1079.775	861.601	924.0958	995.9347
7959	SAP30L	1314.605	-0.4023	0.117551	-3.42235	0.000621	0.002074	1491.28	1606.654	1395.637	1026.778	1174.372	1192.911
12546	NDUFB6	3428.865	-0.40252	0.175501	-2.29356	0.021816	0.046228	4374.637	2628.124	4710.797	2850.426	3003.311	3005.894
5101	UBE2D3	11199.18	-0.40262	0.087003	-4.62766	3.70E-06	1.93E-05	12201.28	13586.76	12464.72	9991	9478.399	9472.936
6721	HACE1	2581.645	-0.40271	0.104647	-3.8483	0.000119	0.00047	3095.855	2837.783	2892.155	2024.539	2239.649	2399.891
17004	LOC119625	99.58989	-0.40275	0.270025	-1.49151	0.135827	0.21236	117.6327	120.978	100.1853	91.51721	89.84265	77.38342
16763	LOC119615	163.4602	-0.40276	0.263099	-1.53084	0.125808	0.199511	185.9356	135.2107	237.2444	158.481	126.2075	137.6822
17638	HES6	91.35329	-0.40284	0.287759	-1.39994	0.161532	0.24347	103.5385	91.96518	115.4914	73.66019	94.12087	69.34358
8783	CAMK1D	797.8985	-0.40302	0.126781	-3.17882	0.001479	0.004476	878.722	965.087	885.666	698.6557	624.6203	734.64
6735	COX15	1799.441	-0.40303	0.104882	-3.84268	0.000122	0.00048	2136.362	1963.019	2054.495	1488.829	1486.682	1667.261
4815	XRCC6	20613.84	-0.40314	0.083901	-4.80499	1.55E-06	8.54E-06	23398.62	24486.83	22546.57	17412.82	17221.98	18616.24
25278	LOC103235	1.596434	-0.40316	1.98742	-0.20286	0.839247	0.882707	1.626259	2.189647	1.391463	2.232127	2.139111	0
23113	TRNAR-UC	14.41635	-0.40316	0.743894	-0.54197	0.587842	0.676147	15.17842	13.13788	20.17621	24.5534	6.417332	7.034856
13546	LOC119625	287.94	-0.40334	0.192162	-2.09894	0.035822	0.070303	304.6525	382.6409	296.3816	216.5163	280.2235	247.2249
11636	SAMD12	420.6335	-0.40339	0.16229	-2.48563	0.012932	0.029547	415.2382	524.4205	495.3607	366.0688	385.0399	337.6731
22488	PCSK9	20.90608	-0.40355	0.630143	-0.6404	0.521911	0.616964	27.10432	15.32753	27.82925	29.01765	17.11289	9.044815
2264													



20640	LOC119621	52.54703	-0.4042	0.434859	-0.92949	0.352638	0.454209	40.11439	91.96518	46.614	51.33892	47.06043	38.18922
6691	NUTF2	8233.94	-0.40432	0.104753	-3.85972	0.000114	0.000451	8486.362	10529.47	9121.038	7334.769	7140.351	6791.651
7267	GNL1	3130.063	-0.40445	0.110953	-3.64524	0.000267	0.000977	3702.992	3389.027	3615.716	2558.018	2468.534	3046.093
6942	USP54	2160.71	-0.40471	0.107619	-3.76062	0.000169	0.000649	2431.799	2702.572	2249.995	1823.648	1908.087	1848.157
6420	UIMC1	1477.746	-0.40474	0.101873	-3.97293	7.10E-05	0.000294	1735.218	1695.882	1621.75	1225.438	1287.745	1300.443
7386	BUB1B	4007.659	-0.40514	0.112373	-3.60534	0.000312	0.001122	4226.647	5250.227	4224.481	3412.922	3401.186	3530.493
9745	BRSK1	1004.453	-0.4053	0.13889	-2.91816	0.003521	0.009606	1187.169	1032.419	1221.704	821.4227	770.0798	993.9247
19998	LOC119621	2206.524	-0.40562	0.393755	-1.03013	0.30295	0.402736	1801.353	3877.865	1864.56	1825.88	2019.32	1850.167
11593	CASC3	4386.754	-0.4057	0.162523	-2.49625	0.012552	0.028783	4167.018	6644.485	4187.607	3689.706	3743.444	3888.266
13040	ACOT8	494.8259	-0.4058	0.184666	-2.1975	0.027985	0.057052	626.6518	424.2442	642.8558	417.4077	408.5701	449.2258
10262	PSMB5	5198.246	-0.40621	0.145154	-2.7985	0.005134	0.013301	6838.962	4570.341	6370.812	4412.915	4109.232	4887.215
10360	YJU2	516.2557	-0.40623	0.146442	-2.77403	0.005537	0.014208	588.7058	576.4246	605.982	419.6399	404.2919	502.4897
16304	LOC119621	205.046	-0.40645	0.253075	-1.60604	0.108265	0.176529	292.1846	162.0339	248.3761	178.5702	156.1551	192.9561
8449	FLAD1	1405.565	-0.40647	0.124342	-3.26896	0.001079	0.003396	1728.713	1413.965	1668.364	1218.741	1110.198	1293.409
28252	LOC119615	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
28426	LOC103231	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
28510	LOC119621	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
28731	LOC119621	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
28958	LILRA5	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
29505	LOC119621	0.207191	-0.40676	4.032952	-0.10086	0.919662	NA	0	0.547412	0.695731	0	0	0
7766	PTPRN	1019.259	-0.40684	0.117129	-3.47344	0.000514	0.001759	1153.018	1198.284	1140.304	859.3689	812.8621	951.7156
16390	CCDC173	235.436	-0.40701	0.256063	-1.58948	0.111951	0.181588	218.4608	362.3866	226.1127	151.7846	226.7457	227.1254
11475	SNX11	695.6847	-0.40716	0.161392	-2.52278	0.011643	0.026988	889.0216	634.9977	858.5325	553.5675	596.8119	641.1769
7297	PABIR2	1330.365	-0.40745	0.112066	-3.6358	0.000277	0.00101	1535.731	1582.02	1438.772	1080.349	1110.198	1235.12
20810	LOC103231	47.62484	-0.40756	0.451388	-0.90289	0.366582	0.468312	42.82482	84.84883	34.78657	40.17829	44.92132	38.18922
7183	RARA	1847.993	-0.40762	0.111104	-3.67091	0.000242	0.000895	1979.157	2236.177	2113.632	1535.703	1486.682	1736.605
7568	PCDH7	1468.914	-0.40769	0.115316	-3.53544	0.000407	0.00143	1568.256	1860.653	1598.791	1243.295	1229.989	1312.503
7529	THOC1	2203.628	-0.40804	0.114966	-3.54925	0.000386	0.001364	2301.157	2853.11	2387.054	1879.451	1850.331	1950.665
4915	RBM39	12369.24	-0.40828	0.086193	-4.73678	2.17E-06	1.17E-05	14021.61	14966.79	13337.87	10578.05	10396.08	10915.08
16887	C1QL1	99.26124	-0.40835	0.270662	-1.50872	0.13137	0.206822	108.4173	128.0944	102.9682	91.51721	79.14709	85.42325
11511	RBBP6	4165.003	-0.40841	0.162581	-2.51202	0.012004	0.027724	3926.332	6288.667	4037.329	3372.744	3702.801	3662.145
10075	CFAP44	849.4463	-0.40863	0.143706	-2.84348	0.004462	0.011775	957.3245	1090.444	855.0539	703.12	821.4185	669.3163
7689	KTF2E1	3388.553	-0.40865	0.116876	-3.49644	0.000472	0.00163	3626.558	4481.113	3487.006	2986.586	2855.713	2894.341
5877	GIF7	2225.558	-0.40871	0.096684	-4.22724	2.37E-05	0.000107	2642.671	2512.62	2464.281	1897.308	1835.357	1999.909
6941	TLCD5	1230.984	-0.40886	0.108716	-3.76079	0.000169	0.000649	1419.182	1382.762	1416.509	1015.618	1018.217	1133.617
21221	LOC103211	28.10002	-0.40894	0.482239	-0.848	0.396439	0.496677	27.10432	33.93953	35.4823	24.5534	21.39111	26.12947
18954	LOC119621	86.61146	-0.40895	0.342493	-1.19403	0.232467	0.32606	129.0166	82.11177	86.27069	46.87467	91.98176	83.4133
21919	LOC119615	24.61607	-0.40898	0.551609	-0.74143	0.458432	0.556021	35.23561	23.53871	24.3506	31.24978	19.252	14.06971
9068	PLCE1	1362.87	-0.4092	0.132386	-3.09097	0.001995	0.005849	1452.249	1820.144	1392.854	1111.599	1206.458	1193.916
23009	LOC103221	14.93824	-0.40924	0.729056	-0.56133	0.574573	0.663872	11.38381	20.80165	18.78475	22.32127	4.278221	12.05975
7982	LOC103231	851.2066	-0.40936	0.119794	-3.4172	0.000633	0.002107	928.594	1038.988	946.1947	747.7625	708.0456	737.6549
6520	TMEM260	1792.002	-0.40938	0.104127	-3.93157	8.44E-05	0.000344	2087.033	2144.212	1904.912	1470.972	1552.994	1591.887
7154	PRKCI	5862.711	-0.40943	0.111297	-3.67874	0.000234	0.000871	6407.461	7600.266	6062.603	4703.092	5131.726	5271.117
27709	LOC119621	0.554495	-0.40958	3.460933	-0.11834	0.905796	NA	1.626259	0	0.695731	0	0	1.004979
9393	EIF4G3	5057.285	-0.40963	0.136161	-3.0084	0.002626	0.007432	5201.861	7120.733	4990.481	4270.059	4214.048	4546.527
5615	DENND11	2667.889	-0.40967	0.093859	-4.36471	1.27E-05	6.03E-05	3060.62	3150.355	2924.855	2296.859	2196.867	2377.781
14542	TRAPPC5	917.0935	-0.40967	0.213629	-1.91768	0.055151	0.100827	1201.263	659.6312	1279.45	866.0653	678.0981	818.0533
16814	LOC103231	97.86727	-0.40982	0.269099	-1.52294	0.127774	0.202027	116.0065	106.1979	111.317	93.74933	85.56443	74.36848
10057	PRPF40A	9658.905	-0.41001	0.143874	-2.8498	0.004375	0.011564	9498.437	14053.7	9514.822	8165.12	8297.61	8423.738
5292	ARPP19	4038.5	-0.41002	0.090689	-4.52123	6.15E-06	3.09E-05	4654.896	4671.612	4506.252	3332.566	3373.378	3692.295
22700	LOC103221	14.42306	-0.41013	0.674044	-0.60847	0.542877	0.635821	16.80468	12.59047	20.17621	8.928508	14.97377	13.06473
20537	SERINC4	37.81549	-0.41014	0.435518	-0.94173	0.346329	0.447515	40.11439	42.15071	45.91827	44.64254	29.94755	24.11951
10892	GPATCH4	1043.249	-0.41015	0.15466	-2.65196	0.008003	0.019532	1056.526	1475.822	1040.118	868.2974	894.1483	924.5811
7627	CUNH12orf	1577.071	-0.41017	0.116613	-3.51733	0.000436	0.001519	1887.545	1643.878	1861.777	1453.115	1384.005	1232.105
12302	DVD	874.4936	-0.41022	0.175032	-2.34367	0.129095	0.041261	1193.132	747.2171	1056.816	723.2091	699.4892	827.0981
6162	IHP5	1388.595	-0.41024	0.100238	-4.09264	0.42606	0.000184	1581.266	1590.231	1582.789	1162.938	1221.432	1192.911
12545	RND2	305.7429	-0.41035	0.17888	-2.29397	0.021792	0.046182	324.7097	403.4425	319.3407	258.9267	256.6933	271.3445
6350	CHMP5	3165.424	-0.4105	0.102463	-4.00631	6.17E-05	0.000258	3815.204	3239.036	3784.083	2738.82	2705.975	2709.425
6797	RRP1	1644.992	-0.4105	0.107518	-3.81798	0.000135	0.000526	1913.565	1851.347	1874.996	1357.133	1326.249	1546.663
9648	CUNH9orf1	565.7365	-0.41053	0.139286	-2.94741	0.003204	0.00883	643.4565	689.1915	608.0692	455.3539	472.7435	525.6043
21684	GDA	40.04939	-0.41065	0.526745	-0.7796	0.435624	0.534084	43.36691	45.98259	45.91827	26.78552	64.17332	14.06971
6364	FBXO8	1429.811	-0.41067	0.102739	-3.99719	6.41E-05	0.000268	1705.946	1618.697	1569.57	1252.223	1221.432	1211
9743	WNK1	12446.56	-0.41077	0.140753	-2.91839	0.003518	0.009601	12265.79	17957.84	12397.24	10620.46	10383.24	11054.77
29533	LOC119621	0.555383	-0.41079	3.082445	-0.13327	0.89398	NA	1.084173	0.547412	0.695731	0	0	1.004979
12485	ANKRD16	372.59	-0.41085	0.178371	-2.30334	0.02126	0.045253	489.504	379.9038	410.4815	294.6408	295.1973	365.8125
7092	NR2C2	3008.156	-0.41091	0.111104	-3.70054	0.000215	0.000806	3379.366	3724.043	3205.234	2401.769	2481.368	2857.157
7114	ZNF496	1837.478	-0.41094	0.111307	-3.69192	0.000223	0.000832	2193.824	2000.243	2105.979	1522.311	1458.873	1743.639
8492	UPP1	2005.202	-0.41102	0.126161	-3.25794	0.001122	0.003513	2444.267	1918.131	2507.416	1683.024	1683.48	1794.893
20823	LOC119621	39.02865	-0.41125	0.456388	-0.9011	0.367537	0.469239	52.58238	28.46541	52.17985	29.01765	42.78221	29.1444
16829	LOC119621	96.40823	-0.41126	0.270633	-1.51962	0.128606	0.20316	116.5486	101.2712	112.7085	73.66019	89.84265	84.41828
7996	STK38L	1555.514	-0.4113	0.120486	-3.41372	0.000641	0.002131	1670.71	2021.044	1636.36	1290.169	1354.057	1360.742
13854	LOC103241	914.1217	-0.41132	0.201757	-2.03871	0.004179	0.079596	762.1734	1436.409	930.1928			



6297	IFRD1	3187.546	-0.41156	0.102185	-4.0276	5.64E-05	0.000238	3812.493	3302.535	3807.042	2667.392	2669.61	2866.201
5283	UCK2	7854.596	-0.41178	0.090947	-4.52764	5.96E-06	3.00E-05	9120.603	9193.234	8597.153	6689.685	6323.211	7203.693
16980	LOC10324	92.00566	-0.41193	0.275357	-1.49599	0.134657	0.210828	104.0806	95.79707	115.4914	78.12444	79.14709	79.39338
20650	LOC11962	33.66181	-0.41208	0.443862	-0.92841	0.353196	0.454708	34.69353	38.86624	41.04815	29.01765	34.22577	24.11951
19073	CCER2	53.89021	-0.41209	0.350988	-1.17408	0.240365	0.335024	61.79785	58.02565	64.00729	49.10679	49.19955	41.20416
5792	PCBD1	5533.938	-0.41223	0.096336	-4.27906	1.88E-05	8.61E-05	5987.344	6924.212	6043.123	4866.037	4750.965	4631.95
7168	LOC10322	2404.482	-0.41226	0.11219	-3.67464	0.000238	0.000883	2987.98	2419.013	2833.018	1997.754	2053.546	2135.581
17135	PRRT2	100.0086	-0.4125	0.279591	-1.47538	0.140111	0.217383	99.74389	135.2107	106.4469	89.28508	91.98176	77.38342
8334	RHOF	1080.405	-0.4126	0.124938	-3.30241	0.000959	0.003058	1308.054	1127.668	1271.797	888.3865	868.4789	1018.044
5305	OTULIN	5491.292	-0.41276	0.091424	-4.51483	6.34E-06	3.18E-05	6508.831	6270.602	6042.427	4537.914	4552.027	5035.952
17913	LOC10323	77.50859	-0.41288	0.303879	-1.35869	0.174244	0.258599	93.23886	97.98671	74.44326	64.73168	66.31243	68.3386
6791	MRPL1	1714.031	-0.41308	0.108103	-3.82116	0.000133	0.00052	1956.932	1957.545	1952.918	1437.49	1623.585	1355.717
9828	TRIM28	10826.22	-0.4132	0.142512	-2.89938	0.003739	0.010114	13834.04	9936.072	13335.78	8828.062	8224.881	10798.5
23397	LOC11962	10.63125	-0.41322	0.827619	-0.49929	0.617578	0.701727	13.55216	13.6853	8.348776	15.62489	8.556443	4.019918
15969	RHEBL1	137.8907	-0.41323	0.247287	-1.67104	0.094713	0.157677	165.8784	129.7366	176.02	133.9276	111.2338	110.5477
18880	LOC11962	59.87845	-0.41336	0.342538	-1.20675	0.227529	0.320384	73.72375	56.38342	75.13899	53.57105	49.19955	51.25395
6666	TUBG2	1772.769	-0.41338	0.106776	-3.87146	0.000108	0.000431	2127.689	2073.049	1878.475	1482.132	1465.291	1609.977
3926	NDFIP2	15760.07	-0.41365	0.076254	-5.42457	5.81E-08	3.93E-07	17888.31	18351.98	17772.46	13609.28	13348.05	13590.34
7505	ING5	1004.972	-0.41373	0.116263	-3.5586	0.000373	0.001321	1222.947	1101.94	1122.91	839.2797	834.2532	908.5014
9037	HNRNPU	29661.6	-0.41374	0.133339	-3.10288	0.001916	0.005638	29722.05	42020.43	29917.14	24758.75	24865.02	26686.22
27877	LOC11962	0.55627	-0.41374	3.081052	-0.13428	0.893178	NA	0.542086	1.094824	0.695731	0	0	1.004979
11870	ISL2	300.4818	-0.41405	0.170192	-2.43283	0.014981	0.033553	339.8882	358.5547	333.2553	270.0874	226.7457	274.3594
5652	MAST2	3627.292	-0.41411	0.095295	-4.34561	1.39E-05	6.53E-05	4111.725	4293.898	4034.546	3051.318	2932.721	3339.547
14819	CUNH15or	207.8291	-0.41418	0.221669	-1.86846	0.061698	0.110685	262.3698	186.12	262.9865	171.8738	196.7982	166.8266
5352	MAPK9	3137.815	-0.41423	0.092293	-4.48818	7.18E-06	3.57E-05	3740.938	3402.164	3615.716	2660.695	2639.663	2767.713
6835	SRXN1	33616.35	-0.41441	0.108954	-3.80349	0.000143	0.000555	42471.38	33919.83	38850.34	27848.02	27183.82	31424.7
10867	RNF180	830.4235	-0.41459	0.156096	-2.656	0.007907	0.019345	841.318	1154.492	849.488	683.0309	765.8016	688.4109
9591	FNDC4	771.3536	-0.4146	0.139912	-2.96331	0.003044	0.008436	819.6346	961.2551	869.6642	616.067	611.7857	749.7147
5731	TXNDC5	11760.05	-0.41463	0.096244	-4.30805	1.65E-05	7.64E-05	13791.22	13613.04	12919.73	9993.232	9217.428	11025.63
7502	HSBP1	8287.463	-0.41463	0.116481	-3.55963	0.000371	0.001316	10183.09	7915.027	10310.74	7372.715	7076.178	6867.025
8435	LSM14B	2044.303	-0.41463	0.126692	-3.27275	0.001065	0.003357	2250.743	2655.495	2107.37	1720.97	1593.637	1937.6
13186	EPB41L4A	258.2556	-0.41475	0.190944	-2.17209	0.029849	0.06018	273.7536	337.2057	272.031	241.0697	222.4675	203.0059
8388	WDR74	1679.538	-0.41485	0.12625	-3.28597	0.001016	0.003221	2103.837	1723.252	1938.308	1323.651	1371.17	1617.012
11547	LOC10324	632.9634	-0.41486	0.165637	-2.50465	0.012257	0.082221	790.904	597.2263	786.8722	524.5498	479.1608	619.0674
5334	GRB2	5477.797	-0.41494	0.09219	-4.50088	6.77E-06	3.37E-05	6336.99	6451.248	5999.292	4604.878	4451.489	5022.887
21326	LOC10324	26.49916	-0.41524	0.501325	-0.82829	0.407509	0.508001	30.89892	24.08612	36.17803	22.32127	21.39111	24.11951
11154	DALRD3	1255.867	-0.41532	0.160262	-2.59151	0.009556	0.022776	1609.997	1164.892	1537.566	1049.1	913.4003	1260.244
7360	UBE2F	1498.502	-0.41535	0.11496	-3.61299	0.000303	0.001093	1830.084	1592.421	1720.544	1294.634	1176.511	1376.822
14928	LOC10322	166.005	-0.41537	0.224636	-1.8491	0.064443	0.114773	181.0568	179.5511	205.9365	147.3204	162.5724	119.5926
7895	ZMYND19	922.7394	-0.41564	0.120759	-3.44188	0.000578	0.001945	1012.075	1104.13	1052.642	787.9408	729.4367	850.2126
21027	LOC10322	31.77873	-0.41565	0.474237	-0.87645	0.380785	0.481437	42.82482	33.39212	32.00364	37.94616	21.39111	23.11453
6275	MEX3C	3168.18	-0.41565	0.102874	-4.04039	5.34E-05	0.000226	3594.033	3895.93	3379.863	2656.231	2577.628	2905.396
14227	FHIT	216.4887	-0.41566	0.210865	-1.97123	0.048698	0.090998	260.7435	246.3353	235.1572	225.4448	143.3204	187.9312
11525	NDUFAF2	702.0478	-0.41567	0.165676	-2.50892	0.01211	0.027935	713.3857	995.7421	697.1228	584.8173	635.3159	585.903
21203	SH3TC2	30.98623	-0.41585	0.489596	-0.84938	0.395669	0.496079	40.65648	24.08612	41.04815	33.4819	23.53022	23.11453
18400	SFTA2	65.89321	-0.41608	0.329034	-1.26455	0.206033	0.297684	66.67662	84.30142	73.74753	62.49956	59.8951	48.23901
5330	CBX3	5247.041	-0.41611	0.092415	-4.50261	6.71E-06	3.35E-05	5725.516	6453.985	5812.836	4495.504	4624.757	4369.651
23703	LOC10321	8.603072	-0.41629	0.918774	-0.45309	0.650481	0.729572	8.131296	16.42235	4.87012	4.464254	10.69555	7.034856
21620	LOC11962	2226.769	-0.41631	0.528692	-0.78743	0.431033	0.530019	3402.676	1017.091	3218.453	1814.719	1636.42	2271.254
6168	EEF1E1	2404.057	-0.41632	0.101803	-4.08947	4.32E-05	0.000186	2821.56	2583.236	2835.105	2093.735	2171.197	1919.511
17410	TRNAE-CU	205.714	-0.41632	0.291475	-1.42833	0.153196	0.23393	267.7907	143.9693	297.0773	147.3204	154.016	224.1104
7967	POU2F1	2853.206	-0.41642	0.121759	-3.42007	0.000626	0.002089	3204.815	3748.676	2835.801	2348.198	2397.943	2583.802
8129	SELENOF	7703.215	-0.41643	0.123544	-3.37071	0.00075	0.002452	9057.179	7403.197	9957.307	6640.578	7121.099	6039.927
11018	CWF19L2	1525.285	-0.41658	0.158681	-2.62527	0.008658	0.020891	1532.478	2229.061	1470.776	1310.259	1268.493	1340.643
7118	GTF2H5	2345.57	-0.4166	0.112903	-3.6899	0.000224	0.000838	2865.493	2902.925	2670.913	1979.897	2199.006	1854.187
6788	GABPB1	1682.008	-0.41662	0.109011	-3.8218	0.000132	0.000519	1467.188	2094.945	1813.772	1455.347	1490.96	1379.837
11116	ZNF77	401.7146	-0.41678	0.160326	-2.59958	0.009334	0.022323	450.4738	492.6706	438.3108	296.8729	355.0924	376.8673
6740	OARD1	2005.873	-0.41693	0.108543	-3.8412	0.000122	0.000483	2188.403	2487.439	2208.947	1749.988	1591.498	1808.963
20101	LOC10322	41.16162	-0.417	0.411959	-1.01224	0.311425	0.411882	54.75072	39.41365	46.614	31.24978	42.78221	32.15934
12519	LOC11962	476.0812	-0.41707	0.181514	-2.29775	0.021576	0.045818	614.1839	419.3174	599.7204	437.4969	380.7617	405.0067
7252	RNF181	2210.38	-0.41714	0.114246	-3.65128	0.000261	0.000957	2673.57	2246.578	2666.043	1959.807	1745.514	1970.765
7153	FAM135A	1774.031	-0.4172	0.113373	-3.67987	0.000233	0.000867	1937.417	2262.453	1886.128	1464.275	1574.385	1519.529
6136	TRAF7	2666.732	-0.41729	0.101733	-4.10187	4.10E-05	0.000178	3111.034	2898.546	3146.793	2256.68	2124.137	2463.205
6518	ADAMTS9	7194.992	-0.41744	0.106163	-3.93203	8.42E-05	0.000344	7936.144	9117.144	7638.435	5671.835	6207.699	6598.695
7101	NDUFAF7	1408.973	-0.41773	0.113033	-3.69562	0.000219	0.000821	1700.525	1516.878	1623.141	1174.099	1133.729	1305.468
6272	YY1	5479.295	-0.41784	0.103379	-4.04181	5.30E-05	0.000225	6006.317	6904.505	5895.628	4712.02	4376.62	4980.678
13857	LOC10324	243.9909	-0.41802	0.205123	-2.0379	0.04156	0.079733	319.831	241.4086	272.7267	223.2127	228.8848	177.8814
7124	OSBPL11	2348.236	-0.41815	0.113368	-3.68841	0.000226	0.000842	2496.85	3039.778	2522.026	2066.95	1933.756	2030.059
6235	PMPCA	3458.81	-0.41824	0.103032	-4.05934	4.92E-05	0.00021	4019.57	3918.374	3939.927	2986.586	2650.358	3238.044
20057	LOC10322	59.94148	-0.41833	0.410389	-1.01935	0.308036	0.408293	54.20864	96.89189	52.87558	71.42806	47.06043	37.18424
4269	TPT1	37970.35											



19372	LOC103225	68.24296	-0.41871	0.372544	-1.12393	0.261041	0.358244	60.17159	105.1031	67.48594	78.12444	51.33866	47.23404
5879	TLF1	4246.15	-0.41878	0.099113	-4.22527	2.39E-05	0.000108	4892.872	4946.961	4744.192	3450.868	3431.134	4010.873
6547	PTPN14	14801.24	-0.41888	0.106823	-3.92126	8.81E-05	0.000358	15995.34	19025.85	15790.32	12138.31	12109.51	13748.12
4579	BUD23	3738.738	-0.41904	0.084597	-4.95337	7.29E-07	4.23E-06	4351.327	4249.011	4233.525	3149.531	3247.17	3201.865
12439	IBA57	417.8082	-0.41913	0.181204	-2.313	0.020723	0.044289	541.0022	437.382	461.2699	292.4086	348.675	426.1113
10477	TRIM47	1106.856	-0.41923	0.152451	-2.74996	0.00596	0.015124	1433.276	1025.85	1345.544	890.6187	885.5918	1060.253
21274	LOC103235	28.3818	-0.41925	0.499478	-0.83938	0.401255	0.501427	28.73058	30.10765	38.26523	31.85702	34.22577	21.10457
11939	LOC103225	607.8055	-0.41942	0.173551	-2.41672	0.015661	0.034873	772.4731	573.1402	745.824	522.3177	432.1004	600.9777
24356	LOC119625	5.043435	-0.41942	1.187736	-0.35313	0.723991	0.790244	7.589209	4.379295	5.565851	6.696381	0	6.029877
5604	VPS35L	8565.98	-0.41943	0.095925	-4.37251	1.23E-05	5.83E-05	10102.32	9709.443	9605.963	6919.594	6973.501	8085.06
22773	LOC119625	12.8151	-0.41956	0.702928	-0.59688	0.550587	0.642751	14.63633	12.04306	17.39328	8.928508	12.83466	11.05477
8688	PGS	1527.089	-0.41964	0.130846	-3.20716	0.001341	0.004102	1967.774	1476.917	1799.857	1337.044	1234.267	1346.672
10081	RTLL1	2394.839	-0.41972	0.1477	-2.84167	0.004488	0.011835	3102.36	2199.501	2926.942	1928.558	1861.026	2350.647
6618	ADO	2193.774	-0.41974	0.107771	-3.89473	9.83E-05	0.000395	2461.614	2693.814	2382.184	1866.058	1736.958	2022.019
7991	ELL2	9177.923	-0.41981	0.122929	-3.41507	0.000638	0.002121	9431.761	12614.01	9466.817	7729.856	7801.337	8023.756
19929	LOC103225	47.75415	-0.41986	0.402885	-1.04214	0.297348	0.396657	45.53526	64.59459	53.57132	29.01765	55.61688	38.18922
5193	COPS7A	3500.225	-0.41997	0.091654	-4.58214	4.60E-06	2.36E-05	3991.924	3981.874	4051.94	2917.39	2866.408	3191.815
9052	PRKAR2A	1558.148	-0.42	0.13567	-3.09571	0.001963	0.005766	1691.852	2042.393	1622.446	1225.438	1249.241	1517.519
10659	PDSS1	383.413	-0.42001	0.155488	-2.70124	0.006908	0.017229	422.2853	425.339	468.2272	357.1403	305.8928	321.5934
7199	PBX2	4564.384	-0.42017	0.114543	-3.66825	0.000244	0.000902	4870.104	6004.56	4801.242	3946.401	3670.714	4093.281
21493	LOC119625	29.6935	-0.4202	0.522302	-0.80452	0.4211	0.520864	35.7777	20.80165	44.52681	29.01765	29.94755	18.08963
21825	LOC119625	22.2506	-0.42021	0.555903	-0.75591	0.449703	0.547742	20.0572	28.46541	27.82925	13.39276	25.66933	18.08963
13205	NSRP1	2069.049	-0.42027	0.193876	-2.16773	0.030179	0.060758	1849.057	3352.35	1901.434	1805.791	1852.47	1653.191
22719	LOC119625	13.19787	-0.42038	0.69417	-0.60559	0.544789	0.637493	17.34676	15.87494	11.82743	13.39276	10.69555	10.04979
23007	LOC103225	13.12643	-0.42045	0.748463	-0.56175	0.574289	0.663577	17.34676	10.94824	16.69755	4.464254	19.252	10.04979
7279	ELOVL2	1810.84	-0.4207	0.115566	-3.64031	0.000272	0.000995	1988.915	2308.436	1925.784	1464.275	1529.464	1648.166
8695	THOC2	6290.058	-0.42089	0.131325	-3.20493	0.001351	0.004131	6476.848	8799.098	6329.068	5189.695	5349.916	5595.726
7425	UCKL1	1287.979	-0.42111	0.117289	-3.59036	0.00033	0.001182	1478.27	1498.266	1448.513	1205.349	966.878	1130.602
18610	LOC119625	64.75862	-0.42115	0.341138	-1.23455	0.216999	0.309867	66.67662	89.77554	64.70302	60.26743	59.8951	47.23404
6763	KITLG	1339.684	-0.42137	0.109978	-3.83135	0.000127	0.000501	1466.886	1655.373	1481.908	1122.76	1127.311	1183.866
7594	LOC119625	4062.941	-0.4215	0.119479	-3.52783	0.000419	0.001467	4254.294	5352.045	4354.583	3517.832	3174.44	3724.454
7944	RB1	6381.463	-0.42152	0.123062	-3.4253	0.000614	0.002055	6708.319	8705.49	6509.958	5285.677	5367.029	5712.303
5986	HPSS	2263.482	-0.42154	0.101094	-4.16979	3.05E-05	0.000135	2759.22	2497.84	2523.418	1848.201	1908.087	2044.128
5432	PRPF31	2922.751	-0.42167	0.094847	-4.44575	8.76E-06	4.29E-05	3414.06	3330.453	3299.158	2591.499	2314.58	2586.817
23570	LOC119625	8.161196	-0.42169	0.889841	-0.47389	0.635576	0.716877	10.29964	8.211177	9.044508	6.696381	10.69555	4.019918
6737	NAV3	11959.21	-0.42178	0.109781	-3.842	0.000122	0.000482	12921.71	15657.07	12510.64	10020.02	9762.901	10882.92
18445	LOC119625	90.33382	-0.42182	0.335384	-1.25773	0.20849	0.300505	88.90216	143.9693	78.61764	75.89232	64.17332	90.44815
6148	ZMYM2	5051.096	-0.42182	0.102932	-4.09807	4.17E-05	0.00018	5616.557	6442.49	5295.907	4254.434	4246.135	4451.054
6597	MBTPS1	2669.916	-0.42184	0.108065	-3.90356	9.48E-05	0.000382	2905.041	3339.759	2932.508	2299.091	2107.024	2436.07
7445	POL1	1118.402	-0.42205	0.117768	-3.58373	0.000339	0.00121	1319.98	1315.978	1207.79	866.0653	1026.773	973.8251
10139	TPR	20589.56	-0.42206	0.149156	-2.82968	0.004659	0.012217	20275.66	30537.92	19927.83	17236.48	17132.14	18427.3
8338	SLOC4A1	5939.167	-0.42216	0.127907	-3.30056	0.000965	0.003077	7319.25	5771.91	7322.573	4944.161	4530.636	5746.473
7054	AGBL5	1515.117	-0.42221	0.1138	-3.71013	0.000207	0.000781	1662.037	1906.088	1639.143	1334.812	1215.015	1333.608
7319	PHOSPHO2	797.4769	-0.42225	0.116393	-3.62783	0.000286	0.001038	919.3785	898.8502	923.9313	667.406	673.8199	701.4757
4742	RACGAP1	2917.628	-0.42228	0.08697	-4.85548	1.20E-06	6.73E-06	3308.895	3333.738	3383.342	2502.214	2462.116	2515.464
11489	RPS26	9180.261	-0.42242	0.167696	-2.51894	0.011771	0.027237	8025.589	14008.27	9507.169	8299.048	8055.891	7185.603
23757	LOC103235	8.162639	-0.42246	0.951748	-0.44387	0.657133	0.735327	15.17842	8.211177	4.174388	6.696381	10.69555	4.019918
6680	GANC	1128.137	-0.42252	0.109306	-3.86553	0.000111	0.000441	1280.95	1348.275	1248.838	979.9037	921.9567	988.8998
13750	DPH2	231.1937	-0.42267	0.205353	-2.05825	0.039566	0.076499	224.4238	272.0637	300.556	174.1059	198.9373	217.0756
19215	LOC103235	56.99612	-0.42272	0.367208	-1.15117	0.249664	0.34538	50.95612	79.92212	64.70302	42.41041	57.75599	46.22906
5301	TYMS	2818.86	-0.42281	0.093607	-4.51687	6.28E-06	3.15E-05	3096.939	3340.307	3253.936	2408.465	2308.1	2505.414
8742	UXT	2272.003	-0.42283	0.132536	-3.19031	0.001421	0.004322	2830.775	2117.389	2858.76	1890.612	2047.129	1887.351
12259	BTG4	243.7489	-0.42307	0.17973	-2.35393	0.018576	0.040285	275.3799	296.1498	265.7694	203.1236	216.0502	206.0208
4764	PPA1	6023.504	-0.42319	0.087509	-4.83591	1.33E-06	7.40E-06	7010.261	6486.83	7203.603	5149.517	5223.708	5067.106
24998	LOC119625	2.089182	-0.42341	1.72382	-0.24563	0.085972	0.85714	3.252518	2.737059	1.391463	0	2.139111	3.014938
8091	TMEM268	846.0507	-0.42352	0.125191	-3.38295	0.000717	0.002356	998.5231	897.208	1012.289	674.1023	778.6363	715.5454
5970	RRP36	2209.523	-0.4236	0.101403	-4.17736	2.95E-05	0.000131	2574.368	2442.552	2585.338	1785.702	1831.079	2038.098
6789	BZW2	6543.511	-0.42364	0.11085	-3.82175	0.000133	0.000519	7839.111	6408.003	8245.112	5593.71	5638.696	5536.432
11115	SAFB	4559.19	-0.42368	0.162944	-2.60018	0.009317	0.022286	4241.284	6916.001	4515.992	3854.883	3698.522	4128.456
7086	ZWINT	3595.027	-0.42375	0.114479	-3.7015	0.000214	0.000804	3815.204	4743.871	3798.693	3151.763	2956.251	3104.382
18291	LOC103235	68.24589	-0.42378	0.329848	-1.28476	0.198875	0.289055	62.88202	90.32295	80.70484	60.26743	62.03421	53.26391
7163	CUNH9orf5	1857.275	-0.42387	0.115308	-3.67599	0.000237	0.000879	2218.217	1868.864	2300.088	1546.864	1576.525	1633.092
6562	APPL1	6985.758	-0.42402	0.108303	-3.91515	9.03E-05	0.000366	7490.007	9165.863	7360.838	5857.101	5910.363	6130.375
16620	LOC119625	118.1941	-0.42408	0.272764	-1.55474	0.120009	0.191964	154.4946	105.1031	148.1908	89.28508	100.5382	111.5527
7327	TPP2	4835.7	-0.42409	0.117019	-3.62414	0.00029	0.001052	5173.13	6360.925	5094.841	3808.009	4141.318	4435.979
11610	ASPRV1	326.0285	-0.42413	0.170204	-2.49191	0.012706	0.029094	417.9486	335.016	368.0419	274.5516	280.2235	280.3893
19086	LOC103215	59.76959	-0.42416	0.361199	-1.17174	0.241302	0.33611	67.21871	73.35318	62.61582	62.49956	57.75599	35.17428
5050	MRPL20	2512.269	-0.42426	0.091014	-4.66146	3.14E-06	1.65E-05	2850.832	2860.774	2928.333	2167.395	2066.381	2199.9
21632	LOC119625	21.88596	-0.42441	0.540979	-0.78452	0.432736	0.531818	28.18849	22.44388	24.3506	17.85702	21.39111	17.08465
8043	DMTF1	3096.719	-0.42462	0.124839	-3.40132	0.000671	0.002217	3077.424	4147.739	3424.39	2495.518	2701.697	2733.544
10355	LOC103225	1073.656	-0.42469	0.153038	-2.77509	0.005519	0.014169						



8736	SETD1A	1569.116	-0.42514	0.133167	-3.19249	0.001411	0.004292	1646.316	2139.833	1609.227	1343.74	1336.944	1338.633
16987	LOC103245	130.0544	-0.42517	0.284523	-1.49434	0.135087	0.211392	186.4777	112.7668	149.5822	118.3027	85.56443	127.6324
23331	LOC103215	10.76328	-0.42528	0.835801	-0.50883	0.610873	0.695992	12.46799	19.70683	4.87012	8.928508	8.556443	10.04979
21858	LOC103244	20.70934	-0.42528	0.566124	-0.75121	0.452524	0.550387	24.39389	19.15941	27.82925	13.39276	21.39111	18.08963
21909	PRDM16	19.84574	-0.42534	0.572401	-0.74308	0.457432	0.55506	24.39389	22.44388	20.87194	22.32127	14.97377	14.06971
7308	RNF217	2312.782	-0.42566	0.117169	-3.6329	0.00028	0.001019	2488.719	3046.347	2418.362	1966.504	2000.068	1956.695
8644	CUNH5orf1	710.4829	-0.42568	0.132341	-3.21651	0.001298	0.003991	807.7087	780.6092	851.5752	589.2815	675.959	557.7636
17270	LOC103235	127.323	-0.42575	0.292452	-1.45579	0.145451	0.223904	167.5047	97.4393	171.8456	118.3027	113.3729	95.47305
19368	LOC119625	61.39815	-0.42581	0.378457	-1.12511	0.260542	0.357626	93.78094	47.07742	70.26887	55.80317	49.19955	52.25893
7904	LOC103235	1363.422	-0.42585	0.123911	-3.43678	0.000589	0.00198	1593.734	1390.426	1704.542	1093.742	1268.493	1129.597
15454	ZIC3	129.3261	-0.42628	0.24341	-1.75127	0.079899	0.13746	131.727	169.1503	144.0164	107.1421	113.3729	110.5477
9751	TMEM1261	793.7217	-0.42633	0.146167	-2.91676	0.003537	0.009643	975.7555	769.661	983.7642	638.3883	746.5496	648.2118
24489	TRNAS-GC1	4.643473	-0.42638	1.282581	-0.33244	0.739558	0.802833	2.168345	4.926706	9.044508	6.696381	0	5.024897
10036	MBD2	6291.377	-0.42642	0.149402	-2.8542	0.004314	0.011428	6206.889	9297.79	6139.134	5332.551	5268.63	5503.268
8477	SLC7A6	1233.496	-0.42661	0.130829	-3.26078	0.001111	0.003484	1454.418	1390.426	1408.16	959.8146	954.0434	1234.115
9616	MYDGF	1190.232	-0.42662	0.144302	-2.95641	0.003112	0.008606	1565.545	1139.711	1393.55	919.6363	1022.495	1100.453
8322	ZC3HAV1L	1337.047	-0.42665	0.128986	-3.30775	0.00094	0.003004	1606.202	1415.06	1586.963	1006.689	1105.92	1301.448
8220	RPUSD2	888.268	-0.42674	0.127725	-3.3411	0.000834	0.002699	1066.826	924.5786	1068.643	758.9232	701.6283	809.0085
6246	REPIN1	6515.094	-0.42697	0.105346	-4.053	5.06E-05	0.000215	7855.916	6961.436	7606.431	5656.21	4960.598	6049.976
18916	GCK	64.41535	-0.42711	0.355548	-1.20126	0.229649	0.322754	78.06044	58.57306	83.48776	53.57105	70.59065	42.20914
11663	LOC103245	318.7872	-0.42734	0.172407	-2.47869	0.013187	0.030058	378.9184	337.7531	383.348	276.7837	237.4413	298.4789
11961	IMMP1L	910.7285	-0.42734	0.177159	-2.4122	0.015856	0.035244	1205.6	764.1869	1163.959	854.9046	705.9065	769.8143
7757	LOC103215	765.0211	-0.42736	0.122923	-3.47663	0.000508	0.00174	913.9576	872.027	849.488	607.1385	663.1243	684.391
7358	UBE2D4	1278.115	-0.42742	0.118271	-3.61392	0.000302	0.00109	2268.631	2845.994	2378.01	1962.04	1816.105	1797.908
8090	GEMIN4	1167.829	-0.42753	0.126367	-3.38323	0.000716	0.002354	1417.556	1217.991	1390.071	924.1006	949.7651	1107.487
23825	LOC119625	7.056364	-0.42768	0.985854	-0.43382	0.664421	0.741391	11.9259	3.831883	8.348776	8.928508	4.278221	5.024897
5142	ZNF518A	3679.819	-0.4278	0.092856	-4.60716	4.08E-06	2.11E-05	4148.045	4504.104	4012.283	3069.175	3193.692	3151.616
5079	THOC3	3071.857	-0.42781	0.092127	-4.64374	3.42E-06	1.79E-05	3389.666	3722.948	3457.785	2669.624	2603.298	2587.822
7089	DIP2A	2230.074	-0.42795	0.115621	-3.70135	0.000214	0.000804	2841.075	2330.332	2509.503	1810.255	1831.079	2058.198
7833	SMC2	8043.65	-0.42811	0.123821	-3.45752	0.000545	0.00185	8454.921	11056.62	8175.539	6613.792	6838.737	7122.289
13234	LOC103215	197.1408	-0.42819	0.198111	-2.16138	0.030666	0.061603	238.518	218.4173	220.5468	185.2665	158.2942	161.8017
6074	NOL10	1924.505	-0.42821	0.103564	-4.13472	3.55E-05	0.000156	2129.315	2396.022	2099.022	1640.613	1627.863	1654.196
5725	LOC103245	9983.122	-0.42848	0.099391	-4.31104	1.62E-05	7.55E-05	12152.49	10326.38	11891.44	8399.494	8107.229	9021.701
12425	BAD	1563.317	-0.42849	0.184994	-2.31624	0.020545	0.043959	2083.238	1224.013	2076.062	1408.472	1170.094	1418.026
5836	DONSON	2657.637	-0.42854	0.100707	-4.25529	2.09E-05	9.51E-05	2909.378	3279.544	2963.816	2154.003	2265.318	2373.762
6358	IPO4	5774.612	-0.42857	0.1071	-4.00159	6.29E-05	0.000263	6922.443	6274.434	6690.153	4912.911	4376.62	5471.108
5987	COL4A4	2481.128	-0.42869	0.102811	-4.1697	3.05E-05	0.000135	2816.139	3043.61	2686.915	2037.932	2044.99	2257.184
21355	LOC119625	24.23447	-0.4287	0.520709	-0.8233	0.410339	0.51081	27.10432	26.27577	30.61218	22.32127	14.97377	24.11951
17837	LOC103225	115.2534	-0.42871	0.31266	-1.37116	0.170324	0.253857	106.2489	187.7623	101.5768	102.6778	104.8164	88.43819
22593	LOC103235	14.85031	-0.42891	0.685563	-0.62563	0.531561	0.625499	11.9259	16.96977	21.56767	15.62489	14.97377	8.039836
9065	PRPF4B	8704.731	-0.42903	0.138786	-3.0913	0.001993	0.005844	8799.146	12530.26	8640.288	7348.162	7251.585	7658.949
4935	EIF4EBP1	3172.674	-0.4291	0.090835	-4.72394	2.31E-06	1.25E-05	3781.052	3538.47	3608.063	2647.303	2648.219	2812.938
5817	LOC103225	1960.516	-0.42929	0.100645	-4.26537	2.00E-05	9.12E-05	2165.093	2372.483	2208.251	1743.291	1677.063	1596.912
25666	TRNAK-UU	0.810235	-0.42932	3.064452	-0.1401	0.888584	0.920365	0.542086	0	2.087194	2.232127	0	0
25667	LOC119625	0.810235	-0.42932	3.064452	-0.1401	0.888584	0.920365	0.542086	0	2.087194	2.232127	0	0
8327	ODF2	3122.002	-0.42965	0.129958	-3.30609	0.000946	0.00302	3262.276	4313.058	3176.014	2669.624	2575.489	2735.554
8522	CIZ1	2481.033	-0.42975	0.132257	-3.24934	0.001157	0.003608	2560.274	3423.513	2561.683	2026.771	2107.024	2206.935
4775	DPY19L4	4153.159	-0.42993	0.089063	-4.82726	1.38E-06	7.71E-06	4816.437	4635.483	4856.205	3361.583	3550.924	3698.324
7156	COG1	1333.346	-0.43008	0.116928	-3.67817	0.000235	0.000873	1510.253	1682.744	1400.507	1145.081	1086.668	1174.821
6651	STK4	4195.509	-0.43014	0.110911	-3.87823	0.000105	0.000421	4580.63	5419.377	4454.072	3504.439	3375.517	3839.022
23451	LOC119625	11.05355	-0.43039	0.873908	-0.49249	0.622373	0.705547	14.63633	16.96977	5.565851	11.16063	14.97377	3.014938
14911	ASIC1	175.4974	-0.43044	0.232416	-1.85203	0.064021	0.114147	166.4205	231.0078	204.545	162.9453	160.4333	127.6324
14459	CCDC28B	238.5613	-0.43052	0.222778	-1.93251	0.053297	0.097995	312.2417	215.1328	294.2944	238.8376	166.8506	204.0108
4309	SEC23A	9881.905	-0.43055	0.083591	-5.15062	2.60E-07	1.60E-06	11311.72	11634.14	11097.61	8127.174	8271.941	8848.844
6623	IMP4	2113.794	-0.43055	0.11063	-3.89178	9.95E-05	0.000399	2536.422	2179.794	2568.64	1814.719	1696.315	1887.351
6015	KIAA0753	1981.799	-0.43061	0.103556	-4.15826	3.21E-05	0.000142	2235.564	2408.612	2187.379	1595.971	1666.367	1796.903
5889	LOC103245	7765.862	-0.43068	0.102048	-4.22039	2.44E-05	0.00011	8888.59	9335.014	8534.537	6562.453	5972.397	7302.181
14256	TMEM44	157.8693	-0.43086	0.218973	-1.96763	0.049111	0.091575	194.0669	171.3399	177.4115	149.5525	126.2075	128.6374
8564	FOXJ3	2818.165	-0.43096	0.133086	-3.23821	0.001203	0.003734	2895.825	3930.417	2881.719	2370.519	2406.5	2424.01
11999	LOC103235	267.1716	-0.43124	0.179195	-2.40653	0.016105	0.035679	331.2148	287.3912	300.556	216.5163	250.2759	217.0756
12951	HOXC8	524.3022	-0.43165	0.195081	-2.21268	0.02692	0.055255	482.999	772.9455	550.3235	499.9964	389.3181	450.2308
6010	VMP1	19404.43	-0.43167	0.103774	-4.15971	3.19E-05	0.000141	20808.53	25433.3	20615.91	16341.4	16642.28	16585.18
23855	LOC103235	6.231173	-0.43187	1.005903	-0.42934	0.667678	0.744088	5.420864	10.40082	5.565851	6.696381	4.278221	5.024897
8739	VEZF1	4110.875	-0.43198	0.135351	-3.19153	0.001415	0.004305	4259.715	5768.078	4140.297	3437.476	3324.178	3735.509
9307	CUNH12orf	479.4826	-0.432	0.142524	-3.03103	0.002437	0.006959	572.4432	516.2093	564.9339	381.6937	423.5439	418.0715
25658	LOC103225	0.811122	-0.43204	3.063568	-0.14102	0.887851	0.919892	0	0.547412	2.087194	2.232127	0	0
25659	LOC103235	0.811122	-0.43204	3.063568	-0.14102	0.887851	0.919892	0	0.547412	2.087194	2.232127	0	0
5394	MAPKAPK5	1733.982	-0.43207	0.096762	-4.4653	8.00E-06	3.94E-05	1976.989	1997.506	2004.402	1441.954	1452.456	1530.584
4957	MRPL51	4035.468	-0.43211	0.091731	-4.71065	2.47E-06	1.32E-05	4745.966	4316.89	4842.986	3435.243	3456.803	3414.92
7007	OSMR	18486.23	-0.43215	0.115848	-3.73036	0.000191	0.000725	19780.19	24732.61	19195.23	15263.28	15010.14	16935.91
8999	MRPL47	1764.103	-0.43221	0.138681	-								



20196	LOC103246	40.60719	-0.43261	0.433787	-0.99729	0.318622	0.419418	46.61943	53.64636	41.04815	35.71403	21.39111	45.22408
7377	PBRM1	5775.914	-0.43289	0.119975	-3.60815	0.000308	0.001111	6086.004	7843.316	5980.507	4819.162	4832.251	5094.241
9077	C2CD2	517.329	-0.43298	0.14013	-3.08987	0.002002	0.005865	591.9583	607.6271	587.893	404.015	432.1004	480.3802
8509	ETS2	759.1233	-0.43327	0.133136	-3.25437	0.001136	0.003551	874.9274	939.3587	807.0484	620.5313	605.3683	707.5055
9662	FUZ	422.3683	-0.43352	0.147284	-2.94342	0.003246	0.008931	493.2986	455.994	508.5796	352.6761	350.8141	372.8474
6614	ZNF598	1352.271	-0.43356	0.111271	-3.89643	9.76E-05	0.000392	1533.02	1488.413	1646.1	1129.456	1084.529	1232.105
9421	TXNL4B	504.68	-0.4336	0.144405	-3.0027	0.002676	0.007551	585.9954	551.7911	600.4162	399.5507	481.2999	409.0266
5034	NOP16	2972.6	-0.43363	0.092833	-4.67115	3.00E-06	1.58E-05	3449.838	3289.945	3512.748	2542.393	2408.639	2632.041
6181	KIRREL1	9576.518	-0.43369	0.106162	-4.08517	4.40E-05	0.000189	10434.62	11785.78	10805.4	7674.053	7593.843	9165.413
6009	USP32	5921.069	-0.43372	0.10425	-4.16036	3.18E-05	0.000141	6527.262	7544.43	6347.157	4903.983	4810.86	5392.72
5776	RRAS2	4376.619	-0.43376	0.101192	-4.28653	1.81E-05	8.35E-05	4801.259	5574.842	4712.189	3819.169	3625.793	3726.464
24026	LOC103246	5.369938	-0.43385	1.077185	-0.40276	0.687123	0.760334	7.589209	4.379295	6.261582	6.696381	4.278221	3.014938
5392	KIF1C	5253.166	-0.43393	0.097138	-4.46709	7.93E-06	3.91E-05	5816.587	6527.886	5773.179	4314.701	4338.116	4748.528
6863	LOC103236	1914.838	-0.43397	0.11445	-3.79173	0.00015	0.000579	2293.025	1950.428	2355.051	1691.952	1659.95	1538.624
6165	SMARCB1	2455.189	-0.43399	0.106058	-4.09199	4.28E-05	0.000184	2768.977	2900.188	2803.797	2078.11	1886.696	2293.363
7940	ANAPC5	3840.12	-0.4341	0.126675	-3.42692	0.00061	0.002044	4906.966	3816.008	4524.341	3249.977	2896.356	3647.07
25264	ADM2	1.662265	-0.43451	2.120725	-0.20489	0.837661	0.881461	1.084173	1.642235	2.782925	4.464254	0	0
19441	LOC119626	48.92475	-0.43465	0.391268	-1.11088	0.266619	0.364594	59.6295	64.59459	44.52681	31.24978	51.33866	42.20914
6164	SCMH1	2716.446	-0.43466	0.106211	-4.0924	4.27E-05	0.000184	3164.158	3311.841	2897.025	2316.948	2128.415	2480.289
10941	PIM3	685.8645	-0.43468	0.164596	-2.6409	0.008269	0.020092	870.5907	634.4503	863.4026	598.21	513.3866	635.147
10765	WAC	9738.287	-0.43469	0.162424	-2.67627	0.007445	0.018385	9223.057	15002.92	9357.587	8133.871	8214.185	8498.106
7811	CEP120	1660.124	-0.43476	0.125554	-3.46273	0.000535	0.00182	1805.148	2213.186	1706.629	1374.99	1441.761	1419.031
9128	LOC103226	1141.021	-0.43488	0.141509	-3.07313	0.002118	0.006169	1222.947	1522.9	1184.831	1091.51	930.5131	893.4267
12562	FHAD1	266.1601	-0.43495	0.189892	-2.29053	0.021991	0.046539	287.3058	351.4384	276.9011	245.534	226.7457	209.0357
24857	LOC103236	2.515512	-0.43498	1.596738	-0.27242	0.785302	0.839894	3.794605	2.737059	2.087194	4.464254	0	2.009959
5387	COP58	4621.553	-0.43498	0.097312	-4.47	7.82E-06	3.86E-05	5149.821	5568.82	5225.638	4040.15	3587.289	4157.6
8486	LOC103236	3159.457	-0.43506	0.133493	-3.25908	0.001118	0.003502	4120.941	2993.248	3787.562	2658.463	2459.977	2936.55
17195	LOC119626	86.29412	-0.43514	0.296359	-1.46828	0.142028	0.219575	101.3702	100.7238	93.228	89.28508	74.86887	58.28881
18694	CUNH11or	61.30696	-0.43527	0.353948	-1.22976	0.218787	0.31114	74.26583	58.02565	77.92191	49.10679	66.31243	42.20914
8153	LOC103236	2944.218	-0.43537	0.129409	-3.36425	0.000768	0.002503	3013.458	4068.912	3072.35	2549.089	2462.116	2499.384
10820	INTU	407.7019	-0.43566	0.16341	-2.66604	0.007675	0.018858	530.7026	433.5502	444.5723	314.7299	350.8141	371.8424
9547	NEK8	758.0541	-0.43578	0.14659	-2.97276	0.002951	0.008218	906.9105	804.6954	910.7124	613.8349	560.447	751.7246
6809	FMN1	3743.587	-0.43581	0.11428	-3.81347	0.000137	0.000535	3989.756	4959.551	3967.06	3091.496	3157.327	3296.333
5761	FAM156B	2075.953	-0.43583	0.101485	-4.29452	1.75E-05	8.08E-05	2387.89	2276.138	2502.546	1767.845	1662.089	1859.212
10070	ZCRB1	2393.679	-0.43588	0.153168	-2.84574	0.004431	0.011697	2291.941	3447.6	2513.677	2136.146	2147.667	1825.043
5327	WDR75	4193.722	-0.43606	0.096777	-4.50584	6.61E-06	3.30E-05	4654.896	5204.792	4611.308	3374.976	3647.184	3669.18
5040	PTBP1	5101.245	-0.43625	0.093483	-4.66669	3.06E-06	1.61E-05	5774.846	6109.663	5718.912	4508.897	3995.859	4499.293
5844	PRPF40B	2208.282	-0.43631	0.102629	-4.2513	2.13E-05	9.67E-05	2510.944	2615.534	2500.459	1770.077	1807.549	2045.133
11055	MARK1	722.374	-0.43638	0.166944	-2.6139	0.008951	0.021526	748.6213	1029.682	716.6033	587.0494	583.9772	668.3113
23330	LOC103246	8.657034	-0.43638	0.857607	-0.50884	0.610866	0.695992	11.9259	9.853413	7.653045	8.928508	8.556443	5.024897
17300	LOC119626	78.51516	-0.43644	0.301368	-1.44818	0.147567	0.226751	93.23886	96.34448	80.00911	75.89232	66.31243	59.29379
9185	PJA1	511.1393	-0.43652	0.142686	-3.05926	0.002219	0.006422	577.8641	636.0925	551.0192	444.1933	406.431	451.2358
7136	MPDZ	5268.307	-0.43657	0.118484	-3.68463	0.000229	0.000853	5774.304	7051.759	5355.044	4397.29	4306.03	4725.413
9918	SAPCD2	918.1566	-0.43672	0.151614	-2.88046	0.003971	0.010644	1153.56	911.9881	1108.996	763.3874	669.5416	901.4666
24735	LOC119626	2.845006	-0.43727	1.492481	-0.29298	0.769534	0.827089	4.878777	3.284471	1.391463	2.232127	4.278221	1.004979
19426	LOC103226	46.89629	-0.43734	0.392422	-1.11447	0.265077	0.362765	43.36691	56.38342	61.22436	40.17829	47.06043	33.16432
6045	LOC103226	1790.363	-0.4376	0.10554	-4.14627	3.38E-05	0.000149	2124.979	2028.161	2033.623	1424.097	1478.125	1653.191
4582	LDHB	10505.68	-0.43767	0.088384	-4.95184	7.35E-07	4.27E-06	12496.17	12447.05	11319.55	9156.185	8502.965	9112.149
10671	LOC103236	479.4729	-0.43776	0.162189	-2.69906	0.006954	0.017322	538.2918	496.5025	617.8095	383.9258	468.4652	371.8424
25081	LOC103246	2.52184	-0.43781	1.873716	-0.23366	0.815251	0.864172	2.710432	0	6.261582	0	2.139111	4.019918
7182	ATG10	1063.739	-0.43804	0.119323	-3.67103	0.000242	0.000894	1239.209	1122.194	1314.237	890.6187	868.4789	947.6956
10877	HNRNPUL1	4481.395	-0.43812	0.165045	-2.65452	0.007942	0.019412	4434.267	6754.514	4285.01	3700.867	3420.438	4293.272
4895	PSMG1	2590.58	-0.43819	0.092359	-4.74446	2.09E-06	1.14E-05	2869.263	3104.92	2966.599	2229.895	2216.119	2156.686
7233	PIK3R1	5223.676	-0.43823	0.119828	-3.65721	0.000255	0.000937	5509.224	7084.604	5441.315	4308.005	4383.038	4615.871
25262	LOC103236	1.606539	-0.43824	2.136429	-0.20513	0.837474	0.881333	1.084173	2.189647	2.087194	0	4.278221	0
11343	IKZF5	676.8932	-0.43851	0.17211	-2.54782	0.01084	0.025405	684.113	982.0568	670.685	542.4069	603.2292	578.8682
7978	IRF3	3166.434	-0.43855	0.128318	-3.41766	0.000632	0.002105	4010.355	3091.782	3836.263	2649.535	2427.891	2982.779
16283	LOC103246	251.1983	-0.43877	0.272397	-1.61077	0.10723	0.175073	200.572	423.1493	244.2017	185.2665	228.8848	225.1154
14375	LOC103236	166.8385	-0.43879	0.22518	-1.94863	0.05134	0.094947	170.2151	221.1544	184.3688	156.2489	128.3466	140.6971
23844	LOC119626	6.346345	-0.4388	1.017899	-0.43108	0.666407	0.743014	5.96295	8.211177	8.348776	2.232127	4.278221	9.044815
9517	KIAA0232	2051.46	-0.4389	0.147293	-2.97976	0.002885	0.008058	2130.942	2928.106	2025.97	1607.131	1792.575	1824.038
9364	LRRC45	973.0063	-0.43899	0.145576	-3.01552	0.002565	0.007283	1187.169	986.4361	1193.179	794.6372	720.8803	955.7355
11715	DOLPP1	328.7459	-0.439	0.177852	-2.46837	0.013573	0.030802	380.0025	364.0289	395.1754	287.9444	226.7457	318.5785
8239	BAZ1A	4853.38	-0.43905	0.131654	-3.33488	0.000853	0.002753	5146.568	6786.812	4826.984	3950.865	4117.788	4291.262
15161	MTMR8	124.2836	-0.4391	0.243425	-1.80382	0.071259	0.124954	158.2892	136.853	134.9719	98.21359	104.8164	112.5577
7499	LOC103236	1448.624	-0.43918	0.123322	-3.56125	0.000369	0.001308	1619.754	1849.705	1538.262	1194.188	1140.146	1349.687
6153	RIC8B	1101.632	-0.4392	0.107255	-4.09491	4.22E-05	0.000182	1257.64	1294.082	1255.099	919.6363	915.5394	967.7952
9341	MAN2C1	1982.543	-0.43927	0.145415	-3.0208	0.002521	0.007175	2658.392	1831.093	2361.312	1584.81	1606.472	1853.182
5673	BNIP2	5137.056	-0.43932	0.101262	-4.33843	1.44E-05	6.73E-05	5690.823	6473.692	5576.287	4558.003	4066.449	4457.084
15516	LOC119626	158.493	-0.43939	0.252499	-1.74018	0.081828	0.140204	216.8345	142.3271	186.456	129.4634	158.2942	117.5826
12005	PDCD2L	306.1299	-0.43969	0.182834	-2.40485	0.016179	0.035828	372.9554	318.0463	3			



8694	LRRC8B	840.3992	-0.43993	0.137256	-3.20518	0.00135	0.004127	939.4357	1091.539	873.1429	743.2983	650.2896	744.6898
19607	LOC119622	44.34264	-0.44002	0.405617	-1.08481	0.278006	0.376946	47.7036	47.62483	56.35424	40.17829	47.06043	27.13445
7167	SMARCD1	2439.014	-0.44038	0.119823	-3.6752	0.000238	0.000882	2671.402	3102.183	2658.39	2055.789	1843.913	2302.408
18057	LOC103222	64.62094	-0.44045	0.33046	-1.33284	0.182586	0.268818	71.01331	79.92212	73.05179	42.41041	62.03421	59.29379
6174	RBM5	5874.729	-0.44047	0.107729	-4.08869	4.34E-05	0.000187	6397.703	7703.179	6194.792	4888.358	4934.928	5129.415
23358	THBD	10.27558	-0.44058	0.872129	-0.50518	0.613431	0.698179	6.505036	15.32753	13.2189	4.464254	17.11289	5.024897
14974	LOC103234	141.4069	-0.44073	0.239671	-1.83891	0.065929	0.117051	145.8212	180.6459	160.0182	120.5349	136.9031	104.5179
6007	LOC119622	1166.361	-0.44095	0.105971	-4.16104	3.17E-05	0.00014	1309.139	1341.706	1378.94	964.2789	1018.217	985.8849
22817	LOC103222	11.76737	-0.44116	0.748013	-0.58978	0.55534	0.647049	17.34676	10.40082	13.2189	11.16063	6.417332	12.05975
7120	SRSF11	9301.785	-0.44127	0.119598	-3.68962	0.000225	0.000839	10013.42	12598.14	9532.216	7549.053	7707.216	8410.673
9943	SRGAP1	2118.919	-0.44127	0.153414	-2.87635	0.004023	0.010757	2035.534	3090.14	2197.815	1747.755	1734.819	1907.451
6194	TUBE1	1049.699	-0.4413	0.108248	-4.07677	4.57E-05	0.000196	1243.546	1192.263	1191.092	872.7616	909.122	889.4068
13270	ALX1	218.3126	-0.44132	0.204867	-2.15418	0.031226	0.062559	216.8345	286.8438	249.7676	176.338	203.2155	176.8764
11507	LOC119622	291.7814	-0.44142	0.175636	-2.51324	0.011963	0.027638	337.1777	309.8351	363.8675	223.2127	250.2759	266.3196
22415	LOC103218	14.54022	-0.44146	0.674718	-0.65429	0.512925	0.608348	15.17842	19.15941	15.30609	17.85702	10.69555	9.044815
7667	CSRN1P1	1404.541	-0.44146	0.125999	-3.50369	0.000459	0.001591	1746.602	1452.831	1660.711	1095.974	1146.563	1324.563
5412	GEM	2119.022	-0.44152	0.099093	-4.45561	8.37E-06	4.11E-05	2534.254	2388.358	2402.36	1854.898	1677.063	1857.202
5280	MID1P1	2386.218	-0.44157	0.097437	-4.53183	5.85E-06	2.94E-05	2670.86	2868.438	2711.961	1982.129	1942.312	2141.611
11013	LOC103222	2839.155	-0.44159	0.168116	-2.62668	0.008622	0.020814	2665.981	4261.601	2878.936	2435.251	2686.723	2106.437
8518	SYNRG	4342.468	-0.44164	0.13578	-3.2526	0.001144	0.003569	4550.815	6099.262	4359.453	3495.511	3568.037	3981.729
6953	OTUD4	7282.308	-0.44174	0.117648	-3.75476	0.000174	0.000663	7745.872	9839.727	7582.776	6109.332	5936.032	6480.108
9304	PSMA7	6616.601	-0.44197	0.145798	-3.03141	0.002434	0.006955	8935.21	5760.415	8173.452	5629.424	5319.968	5881.14
7481	SPECC1	1169.732	-0.44197	0.123804	-3.56993	0.000357	0.001269	1261.435	1525.637	1254.404	1008.921	986.13	981.8649
10612	SEPTIN5	369.0596	-0.44212	0.162637	-2.71843	0.006559	0.016432	417.4065	447.7829	414.6559	279.0159	303.7537	351.7428
22000	MAGEA11	23.07223	-0.44231	0.607973	-0.72751	0.466913	0.564221	26.56223	23.53871	28.52499	13.39276	36.36488	10.04979
25316	UBQLN3	1.304757	-0.44263	2.24627	-0.19705	0.843789	0.886076	1.084173	1.642235	2.087194	0	0	3.014938
18019	LOC103222	78.47674	-0.44268	0.330337	-1.34009	0.180215	0.265887	106.2489	94.15483	69.57314	58.0353	85.56443	57.28383
20773	LOC103218	34.22408	-0.44272	0.48789	-0.90743	0.364181	0.466069	50.41403	33.39212	33.39511	44.64254	21.39111	22.10955
21621	LOC103218	20.52695	-0.44279	0.562604	-0.78703	0.431263	0.530277	19.51511	27.37059	24.3506	17.85702	14.97377	19.09461
5778	RFX5	2621.928	-0.44292	0.103356	-4.28542	1.82E-05	8.39E-05	2964.128	3256.553	2847.629	2214.27	2096.328	2352.657
23632	LOC119622	7.21299	-0.44295	0.955103	-0.46377	0.64281	0.723122	7.047123	9.306001	9.044508	6.696381	2.139111	9.044815
4730	NUP54	2574.904	-0.44317	0.091117	-4.86376	1.15E-06	6.47E-06	2927.266	3000.912	2977.035	2200.877	2094.189	2249.144
9160	RHNO1	3145.152	-0.44325	0.144688	-3.06345	0.002188	0.00635	3158.737	4560.488	3153.055	2718.731	2658.915	2620.986
5446	SNX5	5489.174	-0.44334	0.099816	-4.44161	8.93E-06	4.36E-05	6035.59	6984.975	5957.548	4805.769	4495.907	4693.254
9525	ST3GAL3	496.9166	-0.44348	0.148928	-2.97784	0.002903	0.008102	622.3152	552.8859	545.4534	435.2648	374.3444	451.2358
9233	CUTC	587.5695	-0.44366	0.145621	-3.0467	0.002314	0.006662	726.9378	593.3944	711.0375	470.9788	532.6386	490.43
7526	RASGEF1C	725.8677	-0.44372	0.124977	-3.55043	0.000385	0.001359	832.1026	814.5488	866.8813	618.2992	571.1425	652.2317
9533	TUBD1	463.345	-0.44379	0.149125	-2.97597	0.002921	0.008145	576.7799	535.9162	489.7949	412.9435	363.6488	400.9868
18655	LOC119622	56.89378	-0.44383	0.359916	-1.23314	0.217524	0.310012	62.88202	67.87906	64.00729	55.80317	55.61688	35.17428
5045	GLO1	6865.358	-0.44413	0.095246	-4.66302	3.12E-06	1.64E-05	8218.029	7166.715	8355.734	5790.137	5938.171	5723.358
23895	LOC103218	5.849718	-0.44418	1.048616	-0.42359	0.671866	0.747502	3.794605	6.568942	9.740239	6.696381	4.278221	4.019918
8210	MCAM	644.4553	-0.44422	0.132855	-3.34365	0.000827	0.002677	757.2947	786.6308	687.3826	533.4783	524.0821	577.8632
6722	DDX23	6694.085	-0.44424	0.115465	-3.84736	0.000119	0.000472	7374.001	8800.74	6980.969	5511.122	5304.994	6192.683
18258	FAT4	78.03941	-0.44429	0.343887	-1.29195	0.196374	0.285936	78.60252	95.24966	94.61947	49.10679	98.39909	52.25893
12510	ABCB8	1522.028	-0.44431	0.193234	-2.29931	0.021487	0.045662	2079.985	1221.276	1967.528	1254.455	1065.277	1543.648
10259	CCAR1	6803.883	-0.44431	0.158748	-2.79885	0.005128	0.01329	6580.386	10375.64	6574.661	5707.549	5653.669	5931.389
10884	SPAG1	607.4652	-0.44433	0.167467	-2.65325	0.007972	0.019473	641.8303	858.8891	600.4162	482.1394	536.9168	524.5993
11032	LCMT2	313.5007	-0.44477	0.169585	-2.62267	0.008724	0.021022	351.8141	354.7229	381.2608	234.3733	267.3888	291.444
16627	LOC103222	195.8014	-0.44477	0.286303	-1.55351	0.120302	0.192352	189.1881	313.1196	171.8456	167.4095	209.6328	123.6125
7403	REXO4	3441.336	-0.44486	0.123606	-3.59898	0.000319	0.001147	4259.715	3465.664	4186.216	2758.909	2678.167	3299.348
13454	STRIP2	184.804	-0.44489	0.210212	-2.11641	0.03431	0.067796	234.7234	211.8484	192.7176	140.624	171.1289	157.7818
9241	INAFM2	447.3792	-0.4452	0.146228	-3.04453	0.00233	0.006704	511.1874	541.3903	498.1437	368.301	357.2315	408.0217
5461	ERCC2	1984.784	-0.44528	0.100401	-4.43498	9.21E-06	4.48E-05	2398.732	2208.807	2263.214	1660.702	1606.472	1770.774
8966	MORN2	932.3369	-0.44538	0.142431	-3.127	0.001766	0.005236	988.2235	1158.871	1070.731	857.1368	857.7834	661.2765
5143	WDR11	3273.599	-0.44543	0.096691	-4.60669	4.09E-06	2.11E-05	3885.133	3800.133	3646.328	2573.642	2778.705	2957.655
5072	SPC24	4297.388	-0.4455	0.09586	-4.64745	3.36E-06	1.76E-05	5206.197	4755.914	4910.472	3683.01	3377.656	3851.081
17885	LOC103222	66.01805	-0.44552	0.326734	-1.36354	0.172712	0.256726	75.89209	72.25836	79.31338	69.19594	49.19955	50.24897
9537	CUNH1orf	549.9675	-0.44564	0.149798	-2.97497	0.00293	0.008168	705.7965	562.7393	637.2899	446.4254	447.0741	500.4798
9926	OTULINL	523.6941	-0.44567	0.154809	-2.87886	0.003991	0.01069	622.8572	568.2135	615.0265	513.3892	442.7959	379.8822
24403	LOC103218	4.190116	-0.44572	1.286745	-0.3464	0.729045	0.794233	1.084173	6.568942	6.957314	2.232127	4.278221	4.019918
5704	CCNY	3094.314	-0.44597	0.10311	-4.32523	1.52E-05	7.10E-05	3494.289	3885.529	3331.162	2558.018	2524.151	2772.738
19643	DND1	45.75286	-0.44602	0.413591	-1.0784	0.280856	0.380084	47.7036	47.07742	63.31155	53.57105	25.66933	37.18424
14069	LOC103238	208.0329	-0.44602	0.223018	-1.99993	0.045508	0.085993	214.6662	284.6541	223.3298	142.8561	179.6853	203.0059
6039	ASB7	1570.545	-0.44604	0.107546	-4.14746	3.36E-05	0.000148	1858.814	1867.222	1713.586	1261.152	1298.44	1424.056
7227	BAP1	4194.979	-0.4461	0.121914	-3.65911	0.000253	0.000931	5244.144	4363.42	4916.038	3515.6	3101.71	4028.963
21964	LOC119622	19.4895	-0.44641	0.605777	-0.73692	0.461169	0.558652	27.10432	15.87494	23.65487	17.85702	21.39111	11.05477
5360	EIF3G	2177.728	-0.4466	0.099582	-4.48471	7.30E-06	3.62E-05	2911.004	3279.544	3213.583	2417.394	2207.562	2277.283
5629	BEX1	1505.34	-0.44673	0.102487	-4.3589	1.31E-05	6.17E-05	1681.552	1822.334	1706.629	1296.866	1234.267	1290.394
5588	DHX8	4894.447	-0.44689	0.102081	-4.37775	1.20E-05	5.70E-05	5780.809	5724.833	5441.315	4196.399	3704.94	4518.388
5522	CLTC	52642.43	-0.44689	0.10148	-4.40373	1.06E-05	5.12E-05	58639.65	65665.33	57897.37	43441.66	41006.75	49203.79
7701	TRMT1L	1685.279	-0.4469	0.127937	-3.49313	0.000477							



8364	NTPCR	2153.335	-0.4474	0.135828	-3.29386	0.000988	0.003141	2736.994	2022.687	2696.655	1669.631	1901.669	1892.376
9505	LOC103232	595.2113	-0.44749	0.150007	-2.98315	0.002853	0.00798	703.086	726.9629	632.4198	421.872	558.3079	528.6192
5959	CIP2A	2991.124	-0.44764	0.107031	-4.18232	2.89E-05	0.000129	3262.818	3861.443	3227.498	2598.196	2530.568	2466.22
7031	CER56	2292.556	-0.44775	0.120294	-3.7221	0.000198	0.000747	2435.052	3050.726	2452.453	1966.504	1839.635	2010.964
21086	LOC103222	37.25238	-0.44777	0.516292	-0.86728	0.385787	0.486396	22.76763	68.97389	36.87376	37.94616	27.80844	29.1444
10213	CNTRL	1469.825	-0.44779	0.159218	-2.81244	0.004917	0.012798	1508.084	2166.109	1414.422	1236.598	1221.432	1272.304
6470	USP9X	21162.94	-0.44786	0.113333	-3.95173	7.76E-05	0.000319	22843.52	27892.82	22535.43	17185.15	16824.11	16966.59
8352	NEK2	883.3842	-0.44819	0.135957	-3.29657	0.000979	0.003115	951.3616	1176.935	930.1928	752.2268	735.8541	753.7346
8319	NRF1	726.2027	-0.44834	0.135527	-3.30812	0.000939	0.003002	923.1731	827.6867	761.8259	660.7096	581.8381	601.9827
6975	SLC25A3	13950.38	-0.44846	0.11975	-3.74496	0.00018	0.000688	18100.26	13720.33	16489.53	11589.2	10885.93	12917
18561	ITGA2B	61.24265	-0.44848	0.361205	-1.24162	0.214377	0.307052	67.7608	58.57306	84.1835	53.57105	64.17332	39.1942
16325	LOC103215	266.3432	-0.44878	0.280382	-1.60059	0.109467	0.178266	390.8443	192.1415	342.9956	205.3557	173.268	293.454
12061	LOC103245	249.24	-0.44883	0.187412	-2.39488	0.016626	0.036647	273.7536	318.5937	272.031	187.4987	222.4675	221.0955
22051	LOC103225	17.8934	-0.44886	0.626761	-0.71616	0.473892	0.571349	19.51511	14.78012	27.13352	15.62489	19.252	11.05477
6091	DNAJC9	3030.633	-0.44903	0.108817	-4.12646	3.68E-05	0.000161	3317.026	3945.197	3233.064	2515.607	2601.159	2571.742
6135	ZNF121	2232.059	-0.44909	0.109469	-4.10239	4.09E-05	0.000177	2472.998	2859.132	2400.273	1801.326	1905.948	1952.675
21188	LOC119627	24.86148	-0.44909	0.526948	-0.85225	0.394074	0.494452	33.60935	23.53871	29.91645	17.85702	17.11289	27.13445
9096	SART1	3074.215	-0.44935	0.145667	-3.08475	0.002037	0.005954	3126.754	4442.247	3079.307	2689.713	2412.917	2694.35
8839	RBM26	7214.787	-0.44936	0.142225	-3.15949	0.00158	0.004754	7339.307	10464.87	7182.731	5801.298	6517.87	5982.643
21205	SIX3	43.18154	-0.44943	0.529164	-0.84931	0.395706	0.496102	34.15144	65.14201	48.7012	24.5534	68.45154	18.08963
4122	EIF3L	12807.21	-0.44959	0.085213	-5.2761	1.32E-07	8.51E-07	15173.54	14573.2	14619.4	10961.98	10162.91	11352.25
23318	EOLA1	8.885229	-0.44975	0.880238	-0.51094	0.609394	0.694774	12.46799	8.758589	9.740239	11.16063	2.139111	9.044815
7902	LOC103215	895.1992	-0.44991	0.13085	-3.43834	0.000585	0.001969	1084.715	974.9404	1048.467	698.6557	710.1847	854.2325
8721	PTDSS2	1465.042	-0.44991	0.140705	-3.19755	0.001386	0.004225	1759.07	1492.792	1831.861	1131.688	1116.616	1458.225
19956	PRX	53.20566	-0.45004	0.434035	-1.03687	0.299798	0.399385	53.12446	46.53	82.79203	64.73168	44.92132	27.13445
18809	LOC119615	57.39725	-0.45014	0.370166	-1.21606	0.223961	0.316551	70.47123	71.71095	55.65851	66.96381	36.36488	43.21412
7909	LOC119620	1056.051	-0.45019	0.131053	-3.43519	0.000592	0.00199	1215.9	1336.232	1109.692	785.7087	939.0696	949.7056
7702	CUNH9orf1	605.4911	-0.4503	0.128921	-3.49281	0.000478	0.00165	730.7324	693.5708	672.7722	499.9964	528.3603	507.5146
10935	VAMP4	330.2969	-0.45042	0.170413	-2.6431	0.008215	0.019972	357.2349	420.4123	363.8675	281.248	303.7537	255.2648
23796	LOC119624	6.762582	-0.45045	1.030722	-0.43703	0.662091	0.739748	9.757555	3.284471	10.43597	8.928508	2.139111	6.029877
5980	IFT88	2047.973	-0.45047	0.107972	-4.17207	3.02E-05	0.000134	2366.207	2582.142	2145.636	1752.22	1724.123	1717.51
12813	BORCS5	236.7988	-0.45084	0.201619	-2.23612	0.025344	0.052584	253.6964	259.4732	308.209	227.677	164.7115	207.0258
4883	MTOR	8482.431	-0.45091	0.094908	-4.75105	2.02E-06	1.10E-05	9910.423	10064.71	9425.769	7020.039	6656.912	7816.73
16852	PCSK1N	94.53338	-0.45096	0.297625	-1.5152	0.129721	0.204642	91.07051	120.4306	116.1871	98.21359	59.8951	81.40334
24075	LOC103235	4.935634	-0.45115	1.146456	-0.39351	0.69394	0.766225	4.336691	8.211177	4.174388	4.464254	6.417332	2.009959
18321	RADIL	65.90621	-0.45133	0.35278	-1.27936	0.200769	0.291339	84.56547	56.93083	88.35788	44.64254	55.61688	65.32367
18181	LOC119628	78.33898	-0.45145	0.345841	-1.30538	0.191763	0.280404	97.57555	72.25836	99.48959	62.49956	91.98176	46.22906
18286	LOC103224	60.42423	-0.45149	0.350923	-1.28657	0.198246	0.288219	61.25576	79.92212	66.79021	51.33892	62.03421	41.20416
20137	SAMD11	34.70323	-0.45157	0.448934	-1.00586	0.314481	0.41518	37.40396	39.41365	42.43961	40.17829	25.66933	23.11453
22605	MMP28	12.82921	-0.45165	0.724183	-0.62366	0.532848	0.626666	17.34676	15.32753	11.1317	11.16063	14.97377	7.034856
8542	LOC103230	602.7557	-0.4517	0.139299	-3.24265	0.001184	0.003686	726.9378	728.6051	633.1155	546.8711	468.4652	512.5395
6056	DVL2	3255.596	-0.45171	0.109055	-4.14205	3.44E-05	0.000151	3948.557	3507.267	3835.567	2727.659	2483.507	3031.018
19379	LOC119625	45.40684	-0.45197	0.402699	-1.12235	0.261713	0.35903	58.54533	43.24553	54.26705	40.17829	47.06043	29.1444
4934	LOC103227	4413.888	-0.45214	0.095704	-4.72431	2.31E-06	1.24E-05	5184.514	5318.653	4802.634	3676.313	3529.533	3971.679
16146	LOC103247	109.3463	-0.45224	0.276109	-1.6379	0.101443	0.16703	146.9054	124.2625	106.4469	84.82083	111.2338	82.40832
9569	SMG7	2637.257	-0.45243	0.152466	-2.96741	0.003003	0.008344	2610.146	3886.076	2647.954	2145.074	2177.615	2356.677
13661	LOC119627	166.3312	-0.45266	0.218048	-2.07595	0.037898	0.073752	207.6191	168.0554	200.3706	145.0883	141.1813	135.6722
6342	SMYD5	3240.407	-0.4527	0.112923	-4.00895	6.10E-05	0.000256	4006.56	3458.548	3777.821	2604.892	2528.429	3066.192
12262	CUNH19orf	210.7438	-0.45275	0.192376	-2.35347	0.018599	0.040324	245.5651	250.1672	236.5487	180.8023	160.4333	190.9461
16939	LOC119620	79.37062	-0.45276	0.301581	-1.50129	0.133281	0.209179	81.85504	100.7238	93.92374	58.0353	66.31243	75.37346
12506	KYAT1	308.0886	-0.45279	0.196828	-2.30041	0.021425	0.045545	403.3123	284.1067	383.348	241.0697	250.2759	286.4191
11902	HNRNPD	2018.247	-0.45279	0.186774	-2.42426	0.01534	0.034263	1847.43	3214.95	1936.22	1522.311	1777.601	1810.973
22782	LOC119625	11.79953	-0.453	0.760797	-0.59543	0.551559	0.643631	18.43094	8.211177	14.61036	8.928508	8.556443	12.05975
13898	GATA5	197.398	-0.4532	0.223266	-2.02987	0.042369	0.081047	233.0971	191.5941	262.9865	154.0168	149.7377	192.9561
8058	LOC103235	675.5149	-0.45351	0.13351	-3.39684	0.000682	0.002249	787.6515	827.1393	731.9094	529.0141	558.3079	619.0674
11492	ZSWIM5	302.4582	-0.45357	0.180166	-2.51751	0.011819	0.027341	335.5515	398.5158	316.5578	254.4625	235.3022	274.3594
9829	NDUFA7	2730.14	-0.45365	0.156467	-2.8993	0.00374	0.010116	3657.999	2336.354	3476.57	2223.198	2205.423	2481.294
18115	LOC119627	59.25775	-0.45426	0.344606	-1.3182	0.187436	0.275075	62.88202	76.63765	66.09448	58.0353	40.6431	51.25395
17526	ASIC3	73.84642	-0.45432	0.321802	-1.4118	0.158009	0.239678	79.14461	83.75401	91.83654	55.80317	81.28621	51.25395
5295	ACVR2B	2601.094	-0.45439	0.100535	-4.51967	6.19E-06	3.11E-05	2950.034	3140.502	2938.074	2178.556	2040.712	2358.687
9474	PYURF	1875.661	-0.45452	0.151922	-2.99182	0.002773	0.007781	2456.735	1642.783	2407.231	1624.988	1527.325	1594.902
8312	UBE2K	2919.518	-0.45453	0.137308	-3.3103	0.000932	0.002981	2844.869	4084.787	3200.364	2368.287	2395.804	2622.996
5548	NUDT5	2048.324	-0.4546	0.103488	-4.39283	1.12E-05	5.36E-05	2518.533	2180.889	2406.535	1761.148	1679.202	1743.639
9472	PIGY	1875.751	-0.45464	0.151944	-2.99218	0.00277	0.007774	2457.278	1642.783	2407.231	1624.988	1527.325	1594.902
9163	ZBED9	407.9993	-0.45465	0.148437	-3.06288	0.002192	0.00636	491.6723	472.4164	449.4425	363.8367	337.9795	332.6482
16123	LOC119627	99.78179	-0.45473	0.277036	-1.64139	0.100716	0.166059	123.5957	108.935	112.0128	104.91	74.86887	74.36848
5469	WASHC3	1555.062	-0.45479	0.102687	-4.42891	9.47E-06	4.60E-05	1827.373	1803.175	1769.245	1295.527	1294.162	1390.892
5928	POLR2D	2481.08	-0.45486	0.10837	-4.19733	2.70E-05	0.000121	3056.825	2579.404	2975.643	2013.379	2049.268	2211.96
20242	LOC103235	32.64058	-0.45493	0.460032	-0.9889	0.322712	0.423836	30.35684	45.43518	36.87376	31.24978	27.80844	24.11951
5825	HDAC3	2197.653	-0.45504	0.106794	-4.26087	2.04E-05	9.29E-05	2651.887	2531.232	2448.279	1825.88	1700.593	2028.049</



8370	ELMOD3	757.1655	-0.4553	0.13829	-3.29239	0.000993	0.003155	985.513	771.8507	871.0557	631.6919	624.6203	658.2616
10823	NDUFC1	1370.941	-0.45563	0.170937	-2.66548	0.007688	0.018882	1772.08	1134.237	1851.341	1196.42	1103.781	1167.786
5379	GOLPH3L	1872.866	-0.4557	0.101804	-4.47625	7.60E-06	3.75E-05	2099.501	2315.552	2081.628	1631.685	1555.133	1553.698
4911	NEPRO	2103.028	-0.45571	0.096157	-4.73925	2.15E-06	1.16E-05	2465.951	2515.905	2317.481	1747.755	1754.071	1817.003
15086	LOC10322C	355.5673	-0.45587	0.25067	-1.8186	0.068972	0.121545	452.1	255.6413	523.8857	334.819	318.7275	248.2299
7729	NAXD	2691.814	-0.45591	0.130882	-3.48337	0.000495	0.001703	3486.7	2633.598	3226.802	2205.341	2074.937	2523.503
7209	LARP1	15711.13	-0.45614	0.124515	-3.66336	0.000249	0.000918	16301.62	21653.42	16573.02	12506.61	12819.69	14412.41
9391	GLCCI1	452.341	-0.45627	0.151608	-3.00952	0.002617	0.007407	529.6184	532.0843	512.754	332.5869	382.9008	424.1013
5029	THAP4	1996.241	-0.45638	0.097655	-4.67334	2.96E-06	1.57E-05	2300.615	2402.59	2227.732	1689.72	1617.168	1739.619
7012	PRPF19	3001.362	-0.45641	0.122391	-3.72908	0.000192	0.000729	3262.818	3782.616	3380.559	2399.537	2263.179	2919.465
9573	PPP1R35	1271.398	-0.45645	0.153834	-2.96713	0.003006	0.008348	1603.491	1145.186	1664.885	1136.153	988.2691	1090.403
6736	SNRPD1	3433.264	-0.45649	0.118812	-3.84209	0.000122	0.000481	3616.8	4631.104	3665.113	2937.479	2956.251	2792.838
9318	LOC11962C	804.2915	-0.4566	0.150846	-3.02696	0.00247	0.007048	1006.112	821.1177	970.5453	667.406	579.699	780.869
22813	LOC11962C	11.57435	-0.45671	0.773882	-0.59015	0.555087	0.646904	14.09425	13.6853	11.82743	6.696381	17.11289	6.029877
6431	MAP2K2	5383.553	-0.4568	0.115126	-3.9678	7.25E-05	0.0003	6671.457	5557.325	6464.736	4571.396	4038.641	4997.763
5611	FBXL20	1322.755	-0.45681	0.104588	-4.36767	1.26E-05	5.95E-05	1523.805	1582.02	1481.908	1140.617	1135.868	1072.313
13277	LOC10323A	503.4214	-0.45683	0.21225	-2.15233	0.031372	0.062818	718.2644	409.464	623.3753	377.2295	395.7355	496.4599
7807	RAB12	2036.032	-0.45703	0.131953	-3.46357	0.000533	0.001815	2081.07	2812.602	2173.465	1667.399	1771.184	1710.475
21568	LOC11962C	23.56152	-0.45721	0.575597	-0.79432	0.427012	0.526349	17.34676	41.05589	23.65487	20.08914	17.11289	22.10955
17288	LOC11962A	71.08752	-0.45775	0.31548	-1.45096	0.146791	0.225731	83.4813	85.94365	76.53045	53.57105	72.72976	54.26889
23829	LOC10321B	6.799598	-0.45775	1.05606	-0.43345	0.664687	0.741563	7.047123	8.211177	8.348776	11.16063	0	6.029877
6765	RPAP2	786.0596	-0.45785	0.119522	-3.83066	0.000128	0.000502	889.5637	924.0311	913.4953	705.3521	641.7332	642.1819
9047	CHORDC1	4266.077	-0.45813	0.147917	-3.09723	0.001953	0.005739	4240.742	6301.257	4269.703	3689.706	3593.706	3501.348
5309	DNAJC19	1856.607	-0.45815	0.10151	-4.51334	6.38E-06	3.20E-05	2152.083	2042.393	2249.995	1647.31	1527.325	1520.534
10336	ZNF180	355.457	-0.45823	0.164789	-2.78072	0.005424	0.013951	403.8543	449.4251	384.0437	279.0159	288.7799	327.6233
11729	SIMC1	800.7665	-0.4583	0.185976	-2.46428	0.013729	0.031118	825.0555	1173.104	787.5679	564.7281	648.1505	805.9935
5458	LOC10322B	3152.133	-0.45905	0.103463	-4.43682	9.13E-06	4.45E-05	3798.941	3346.328	3807.738	2696.409	2468.534	2794.848
16051	LOC10322B	103.4757	-0.45913	0.277192	-1.65637	0.097647	0.16173	106.2489	140.1374	111.317	91.51721	96.25998	75.37346
12059	CASTOR1	256.7422	-0.45921	0.191728	-2.39513	0.016614	0.036628	318.2047	257.831	316.5578	234.3733	190.3808	223.1054
17981	LOC10322B	392901	-0.45923	0.341052	-1.34652	0.178134	0.263373	523210.4	249841.5	591683.4	356923.8	341128.3	294618.8
19165	LOC10323B	48.66557	-0.4594	0.396578	-1.15842	0.246693	0.342204	47.16151	64.04718	58.44144	26.78552	51.33866	44.2191
23966	LOC10322C	5.02043	-0.4595	1.114739	-0.4122	0.68019	0.754521	5.420864	4.379295	7.653045	2.232127	6.417332	4.019918
5468	TRMT5	1246.294	-0.45951	0.103732	-4.42979	9.43E-06	4.59E-05	1430.024	1461.59	1438.772	1011.154	1075.973	1060.253
6166	POLD3	2062.326	-0.45954	0.112321	-4.09133	4.58E-05	0.000185	2277.305	2666.99	2222.862	1707.577	1679.202	1820.018
4505	THOC5	3307.491	-0.45958	0.091758	-5.00864	5.48E-07	3.23E-06	3889.47	3899.214	3706.857	2694.177	2716.671	2938.56
9869	FBXO5	1679.352	-0.45959	0.159072	-2.88921	0.003862	0.010404	1671.794	2494.556	1666.277	1377.222	1482.404	1383.857
17303	LOC11962C	67.80296	-0.45959	0.317381	-1.44808	0.147595	0.226771	83.4813	79.92212	73.05179	53.57105	53.47777	63.31371
9041	ODF3L2	428.8871	-0.45963	0.1482	-3.10141	0.001926	0.005663	498.7195	465.8475	523.19	370.5331	374.3444	340.688
4951	UNK	2144.782	-0.45974	0.097536	-4.71358	2.43E-06	1.31E-05	2368.175	2594.185	2492.11	1754.452	1788.297	1871.272
24119	LOC11962C	5.038723	-0.45981	1.186301	-0.3876	0.698313	0.76971	7.589209	6.02153	4.174388	0	6.417332	6.029877
4538	AVL9	3657.895	-0.46003	0.092205	-4.98916	6.06E-07	3.55E-06	4441.856	4257.769	4011.587	2966.497	3105.989	3163.675
7185	LOC10322A	936.6076	-0.46026	0.125384	-3.67082	0.000242	0.000895	1109.109	1107.962	1032.465	758.9232	885.5918	725.5952
19147	LOC10323B	43.52385	-0.46044	0.39648	-1.16133	0.245507	0.340878	54.20864	44.88777	51.48412	33.4819	44.92132	32.15934
23843	ACBD7	5.517358	-0.46053	1.068089	-0.43117	0.666343	0.742974	5.420864	5.474118	8.348776	6.696381	2.139111	5.024897
5358	RBL2	3088.497	-0.46097	0.102782	-4.48495	7.29E-06	3.62E-05	3436.285	3917.279	3383.342	2584.803	2487.786	2721.484
15199	APOM	113.1374	-0.46114	0.256721	-1.79625	0.072454	0.126715	131.1849	135.2107	124.5359	102.6778	104.8164	80.39836
15973	ZCCHC18	108.689	-0.46122	0.276093	-1.67054	0.094813	0.157804	115.4644	133.5685	125.9274	113.8385	91.98176	71.35354
8967	LOC11961B	743.3099	-0.46128	0.147522	-3.12687	0.001767	0.005238	971.4188	728.0577	882.1874	613.8349	667.4025	596.9578
15519	LOC10322B	429.757	-0.46153	0.265294	-1.7397	0.081911	0.140318	343.6828	609.2693	535.7132	475.443	389.3181	225.1154
15481	LOC10323B	124.8864	-0.46162	0.264078	-1.74804	0.080456	0.138165	129.0166	180.6459	124.5359	104.91	102.6773	107.5328
11431	CNOT3	1128.697	-0.46191	0.182591	-2.52973	0.011415	0.026548	1037.553	1758.287	1127.781	926.3327	960.4607	961.7654
6699	MCUR1	3686.132	-0.46193	0.1198	-3.85585	0.000115	0.000458	3976.204	5011.008	3827.218	3060.246	3082.458	3159.655
11371	LRRIQ3	257.3126	-0.46223	0.181731	-2.5435	0.010975	0.025659	287.8479	276.9904	330.4724	220.9806	207.4937	220.0905
18366	LOC10321B	57.50001	-0.46236	0.363945	-1.27042	0.203934	0.295197	71.01331	78.8273	49.39693	51.33892	49.19955	45.22408
5264	PARL	1960.012	-0.46237	0.101725	-4.54531	5.49E-06	2.77E-05	2229.631	2356.06	2227.732	1763.38	1540.16	1643.141
11561	CABCOCO1	411.4006	-0.46239	0.184763	-2.5026	0.012329	0.028835	427.1641	568.7609	429.962	368.301	380.7617	293.454
19159	LOC10322B	51.60183	-0.46243	0.399051	-1.15881	0.246533	0.342079	76.43418	42.69812	59.13717	49.10679	47.06043	35.17428
5238	USP37	3098.93	-0.46257	0.101442	-4.55995	5.12E-06	2.60E-05	3485.615	3933.701	3354.121	2683.017	2541.263	2595.862
23258	LOC11962C	8.81612	-0.46279	0.887697	-0.52134	0.602133	0.688291	8.131296	6.568942	16.00182	4.464254	10.69555	7.034856
16539	LOC10324B	80.13734	-0.46279	0.295099	-1.56827	0.116819	0.187765	93.78094	98.53413	86.96642	71.42806	57.75599	72.35852
12032	NMNAT3	267.7812	-0.46285	0.192779	-2.40092	0.016354	0.036135	283.5112	292.8653	357.6059	227.677	196.7982	248.2299
21662	LOC11962B	20.82987	-0.46286	0.591755	-0.78218	0.434111	0.532769	27.10432	19.15941	25.04633	20.08914	23.53022	10.04979
11276	LOC10323C	263.6863	-0.46333	0.18076	-2.56321	0.010371	0.024451	305.7367	331.7316	280.3797	229.9091	203.2155	231.1453
22549	TRNAK-CU	15.17397	-0.46361	0.73362	-0.63195	0.527422	0.621808	21.14137	6.568942	25.04633	13.39276	12.83466	12.05975
4009	CCT7	13053.53	-0.46367	0.086411	-5.3658	8.06E-08	5.34E-07	14929.06	15737.54	14740.46	10821.35	10458.11	11634.65
19415	TRNAS-GCI	64.60443	-0.46373	0.415612	-1.11579	0.264514	0.362199	85.10756	39.96106	100.881	53.57105	42.78221	65.32367
20168	LOC11962C	34.63689	-0.4638	0.463289	-1.0011	0.316779	0.417572	32.52518	45.98259	41.74388	40.17829	19.252	28.13943
5038	AIMP2	2842.847	-0.46386	0.099382	-4.66748	3.05E-06	1.61E-05	3547.955	3080.834	3261.589	2305.787	2410.778	2450.14
5618	THUMP3D	3045.831	-0.46401	0.106327	-4.36403	1.28E-05	6.04E-05	3401.05	3889.908	3297.767	2636.142	2648.219	2401.901
4561	FASTKD2	3688.902	-0.46405	0.093455	-4.96549	6.85E-07	3.99E-06	4428.846	3973.662	4431.113	3098.192	3043.954	3157.645



7000	PRPSAP2	1185.306	-0.46475	0.124527	-3.73215	0.00019	0.000721	1523.263	1214.159	1387.288	962.0467	1016.078	1008.999
5916	SPG7	5485.67	-0.46477	0.110577	-4.2031	2.63E-05	0.000118	6804.268	5815.156	6473.78	4578.092	4143.457	5099.266
18164	LOC103246	68.51095	-0.46494	0.354972	-1.3098	0.190262	0.27847	62.88202	100.7238	73.05179	71.42806	57.75599	45.22408
8336	PYGO1	1523.377	-0.46507	0.140843	-3.30205	0.00096	0.003061	1593.734	2120.126	1588.355	1169.635	1334.805	1333.608
5438	TEX10	2887.833	-0.46515	0.104658	-4.44449	8.81E-06	4.31E-05	3399.966	3455.263	3200.364	2410.697	2207.562	2653.146
7105	ZNF143	1076.033	-0.46524	0.125928	-3.69451	0.00022	0.000824	1196.385	1402.469	1145.174	939.7255	859.9225	912.5214
21426	LOC103238	21.6818	-0.46528	0.571308	-0.8144	0.415414	0.0515438	29.81475	20.25424	26.43779	15.62489	12.83466	25.12449
22833	LOC103214	11.63795	-0.46537	0.790984	-0.58834	0.556302	0.64781	16.80468	10.94824	11.82743	13.39276	12.83466	4.019918
15231	LOC119618	116.7066	-0.4654	0.260038	-1.78974	0.073496	0.128285	120.3432	159.8442	126.6231	91.51721	98.39909	103.5129
4716	SIKE1	3376.301	-0.4654	0.095542	-4.87119	1.11E-06	6.25E-06	4074.321	3739.37	3940.622	2837.033	2669.61	2996.849
8357	MORC2	2335.679	-0.46552	0.141285	-3.29492	0.000984	0.003132	2446.436	3337.022	2346.006	1906.236	1925.2	2053.173
18398	KLC3	78.68252	-0.46552	0.368047	-1.26485	0.205926	0.297562	91.6126	89.77554	89.05362	93.74933	72.72976	35.17428
18989	LOC103226	58.12759	-0.46562	0.392358	-1.18672	0.235338	0.329458	89.98634	45.98259	65.39875	60.26743	44.92132	42.20914
10039	LSM3	1868.443	-0.46578	0.163238	-2.85339	0.004326	0.011456	1776.417	2816.981	1907	1616.06	1595.777	1498.424
15409	LOC119624	128.2774	-0.46581	0.264869	-1.75863	0.07864	0.135677	172.3835	129.7366	145.4079	80.35657	126.2075	115.5726
8380	ZBTB25	609.7932	-0.46583	0.141621	-3.28925	0.001005	0.003187	737.7795	707.8035	682.5125	486.6037	464.187	579.8732
5554	GRK6	2202.002	-0.46584	0.106107	-4.39027	1.13E-05	5.42E-05	2692.543	2428.866	2547.768	1863.826	1694.176	1984.834
5383	SNRNP27	1707.673	-0.46619	0.104208	-4.47364	7.69E-06	3.80E-05	1915.191	2110.82	1916.74	1379.454	1503.795	1420.036
6983	ZNF568	957.0692	-0.46645	0.124692	-3.74082	0.000183	0.000698	1071.163	1224.56	1035.248	763.3874	847.0878	800.9686
4917	SHISA5	6316.147	-0.46664	0.098571	-4.73409	2.20E-06	1.19E-05	7311.661	7606.835	7077.675	5089.25	4958.459	5853
4594	SEC22C	3064.187	-0.46689	0.094404	-4.94565	7.59E-07	4.39E-06	3747.443	3514.931	3409.084	2529	2496.342	2688.32
6083	TSTD2	1175.37	-0.46713	0.113116	-4.12967	3.63E-05	0.000159	1321.064	1438.051	1337.891	962.0467	936.9305	1056.233
18874	LOC103225	57.13571	-0.46721	0.386893	-1.20759	0.227205	0.32003	76.43418	50.36189	72.35606	31.24978	64.17332	48.23901
4352	NUP205	8880.75	-0.46723	0.091388	-5.11261	3.18E-07	1.94E-06	10521.35	10546.98	9859.209	7075.843	7247.307	8033.806
21525	FAM166A	24.49924	-0.4674	0.583766	-0.80066	0.423329	0.522843	19.51511	45.98259	20.17621	20.08914	17.11289	24.11951
4539	SMPD4	2849.683	-0.46744	0.093752	-4.98597	6.17E-07	3.61E-06	3231.919	3491.393	3200.364	2424.09	2310.24	2440.09
14510	LOC119628	132.7088	-0.46749	0.243279	-1.92163	0.054652	0.100133	156.1209	136.3055	170.4542	120.5349	96.25998	116.5776
20432	LOC119627	45.49279	-0.46753	0.488509	-0.95705	0.338544	0.440495	61.79785	28.46541	69.57314	20.08914	42.78221	50.24897
11175	LOC103225	261.5187	-0.46759	0.180814	-2.58605	0.009708	0.023094	307.363	307.6454	297.773	229.9091	188.2417	238.1801
6082	DZIP3	2716.073	-0.46759	0.113217	-4.13008	3.63E-05	0.000159	2960.876	3598.685	2897.025	2279.002	2284.57	2276.278
11919	TIMM10	894.0223	-0.46761	0.19322	-2.42008	0.015517	0.03461	1221.863	704.519	1189.005	727.6734	708.0456	813.0284
6856	ZNF487	712.4968	-0.46799	0.12337	-3.79337	0.000149	0.000576	864.0857	806.3376	811.9185	611.6028	569.0034	612.0325
7861	COQ5	1737.278	-0.4682	0.135665	-3.45117	0.000558	0.001888	2240.443	1663.585	2150.506	1368.294	1431.065	1569.778
13895	MYO1A	146.3382	-0.46823	0.230597	-2.03049	0.042306	0.080942	171.2993	158.7494	177.4115	124.9991	139.0422	106.5278
11185	PRIM2	525.3926	-0.46823	0.181143	-2.58489	0.009741	0.023153	662.4295	506.9033	665.1192	348.2118	464.187	505.5047
5632	AGK	3177.07	-0.46857	0.107522	-4.35788	1.31E-05	6.20E-05	3562.592	4125.295	3378.472	2703.106	2575.489	2717.464
8780	OBI1	1966.507	-0.4686	0.147389	-3.17935	0.001476	0.004469	1993.252	2858.584	1997.445	1645.078	1636.42	1668.266
4737	MKKS	2503.211	-0.46881	0.096504	-4.85793	1.19E-06	6.66E-06	3000.99	2840.52	2877.545	1979.897	2228.953	2091.362
20620	LOC103246	34.07414	-0.46882	0.502432	-0.93309	0.350772	0.452245	53.66655	26.82318	36.87376	40.17829	27.80844	19.09461
20913	LOC103237	35.14718	-0.46888	0.527025	-0.88968	0.373639	0.474955	22.76763	61.31012	39.65669	24.5534	21.39111	41.20416
21983	LOC103234	15.58726	-0.46905	0.641918	-0.7307	0.464961	0.562302	19.51511	20.80165	13.91463	13.39276	12.83466	13.06473
23247	TRNAH-GU	8.066934	-0.46906	0.897434	-0.52267	0.601204	0.68753	13.01007	7.116354	8.348776	4.464254	6.417332	9.044815
5111	SLC30A9	8878.157	-0.46927	0.101508	-4.62298	3.78E-06	1.97E-05	9755.928	11608.96	9562.132	7453.072	7508.278	7380.569
5637	B3GLCT	1449.429	-0.46936	0.107749	-4.35602	1.32E-05	6.25E-05	1774.249	1680.554	1598.095	1216.509	1150.842	1276.324
5584	KXD1	2745.001	-0.46974	0.107267	-4.37922	1.19E-05	5.67E-05	3088.266	3501.246	2975.643	2401.769	2143.389	2359.692
8761	RBM17	3151.72	-0.46978	0.147478	-3.18544	0.001445	0.004386	3163.616	4640.957	3176.709	2575.875	2673.888	2679.275
6921	ZNF507	2148.227	-0.46979	0.124768	-3.76534	0.000166	0.000639	2249.658	2868.985	2371.053	1745.523	1698.454	1955.69
6753	GOLGA1	1575.263	-0.46992	0.122523	-3.83535	0.000125	0.000494	1827.373	2041.846	1623.141	1272.312	1274.91	1411.996
11546	UBXN11	244.3804	-0.47	0.187652	-2.50464	0.012257	0.028221	311.6997	251.262	288.7285	205.3557	203.2155	206.0208
6034	ABHD17C	2078.953	-0.47013	0.113323	-4.14856	3.35E-05	0.000147	2426.921	2577.762	2245.821	1277.666	1585.081	1910.466
6086	LOC119624	4845.723	-0.47025	0.113915	-4.12809	3.66E-05	0.00016	5241.433	6335.197	5316.083	3801.312	3908.155	4472.159
5262	OTUD7B	3594.521	-0.47035	0.103458	-4.54631	5.46E-06	2.76E-05	4006.018	4556.109	3969.843	2919.622	2883.521	3232.014
13308	ZRSR2	500.7343	-0.47037	0.219251	-2.14537	0.031923	0.063773	473.2414	806.885	464.0528	379.4616	472.7435	408.0217
6295	KCTD2	1572.381	-0.4704	0.116747	-4.02922	5.60E-05	0.000236	1919.528	1764.856	1803.336	1252.223	1215.015	1479.33
7093	DNTTIP1	1296.62	-0.47068	0.127227	-3.69956	0.000216	0.000809	1435.987	1715.041	1370.591	1087.046	1280.356	1150.701
6879	SNRPF	2967.615	-0.47095	0.124371	-3.78668	0.000153	0.00059	3119.165	4052.49	3167.665	2535.696	2584.046	2346.627
8381	YTHDC1	3051.529	-0.47103	0.143208	-3.28912	0.001005	0.003188	3188.552	4367.251	3084.177	2424.09	2432.169	2812.938
19927	CROCC2	39.93489	-0.47112	0.4518	-1.04275	0.297062	0.396316	55.29281	30.65506	52.17985	35.71403	40.6431	25.12449
7027	LOC103237	2239.323	-0.47113	0.126526	-3.72356	0.000196	0.000743	2861.132	2156.255	2787.1	1895.076	1895.252	1841.122
6503	CUNH5orf	1298.12	-0.47114	0.119581	-3.9399	8.15E-05	0.000333	1411.051	1688.218	1422.771	1113.831	1101.642	1051.209
11308	TMEM81	261.6849	-0.47115	0.18429	-2.55656	0.010571	0.024853	317.1205	300.5291	297.0773	183.0344	233.1631	239.1851
7081	FER	4634.932	-0.47138	0.127312	-3.70259	0.000213	0.000801	4912.929	6425.52	4821.418	3642.831	3865.373	4141.52
6556	LOC119628	897.5058	-0.47148	0.120383	-3.9165	8.98E-05	0.000364	1020.749	1113.436	996.9831	758.9232	708.0456	786.8989
5920	LOC103247	2974.876	-0.47156	0.112223	-4.20196	2.65E-05	0.000119	3304.016	3908.52	3158.62	2562.482	2367.996	2547.623
6363	SSR4	9450.015	-0.47176	0.117996	-3.99809	6.39E-05	0.000267	11688.47	9105.101	12150.95	8153.96	7728.607	7873.009
9377	ZNF669	351.8629	-0.47177	0.156585	-3.01286	0.002588	0.007337	410.9015	391.9469	422.3089	290.1765	314.4493	281.3943
5300	LOC103215	14261.59	-0.47195	0.104471	-4.51749	6.26E-06	3.14E-05	15533.48	18674.95	15517.59	11671.79	11467.77	12703.95
4425	CDC42EP1	3922.191	-0.4722	0.093331	-5.0594	4.21E-07	2.53E-06	4413.125	4554.466	4712.189	3372.744	3054.65	3425.975
13299	NPRL3	172.2659	-0.47221	0.219885	-2.14754	0.031751	0.06347	202.7403	205.8268	194.1091	113.8385	158.2942	158.7868
4603	MIB1	8443.592	-0.47228	0.095583	-4.94107	7.77E-07	4.49E-06	9736.413	10504.29	9205.917	6957.54	6703.973	7553.426
4348													



7643	STOML2	5494.752	-0.47252	0.134572	-3.51131	0.000446	0.001551	7003.214	5000.607	7156.989	4683.002	4485.715	4638.985
17870	LOC103245	62.10963	-0.47264	0.346057	-1.36579	0.172004	0.255889	62.88202	73.35318	79.31338	66.96381	44.92132	45.22408
25344	LOC119625	1.642122	-0.47278	2.474143	-0.19109	0.848457	0.890003	4.878777	0	0.695731	0	4.278221	0
5982	SHMT1	2884.979	-0.4728	0.113348	-4.17124	3.03E-05	0.000135	3482.905	3312.389	3274.808	2352.662	2145.528	2741.584
4536	UBXN2A	2345.241	-0.47292	0.09474	-4.99173	5.98E-07	3.51E-06	2841.075	2651.663	2689.697	1908.469	1944.452	2036.088
10713	ATG7	496.7588	-0.47321	0.175988	-2.6889	0.007169	0.01779	630.4464	464.7526	641.4643	388.3901	387.179	468.3204
12295	SH2D5	237.3498	-0.47335	0.201841	-2.34516	0.019019	0.041124	299.7738	228.2707	301.2517	198.6593	186.1026	210.0407
7795	CDPF1	583.8733	-0.47367	0.136647	-3.4664	0.000527	0.001799	696.0389	674.4114	667.9021	433.0326	528.3603	503.4947
16622	LOC103226	71.7611	-0.47371	0.304718	-1.55457	0.120048	0.192003	84.02339	85.94365	80.00911	60.26743	62.03421	58.28881
5001	PRPS1	1712.286	-0.47387	0.101079	-4.68808	2.76E-06	1.47E-05	2034.45	1882.549	2053.799	1433.026	1475.986	1393.907
4474	EIF3E	12808.92	-0.47397	0.094303	-5.02605	5.01E-07	2.98E-06	14219.47	15941.18	14515.04	10741	11429.27	10007.59
9899	SLC25A21	308.7032	-0.47426	0.164395	-2.88487	0.003916	0.010516	363.1979	345.4169	367.3462	279.0159	245.9977	251.2449
7222	ZNF202	974.5084	-0.47445	0.129622	-3.66028	0.000252	0.000927	1080.378	1280.396	1039.423	774.5481	849.2269	823.0782
5619	SNAPC5	1130.432	-0.47448	0.108744	-4.36332	1.28E-05	6.06E-05	1335.701	1258.5	1347.632	982.1359	939.0696	919.5562
5866	PPP1R26	2961.37	-0.47452	0.112057	-4.23464	2.29E-05	0.000104	3567.47	3237.941	3536.403	2370.519	2261.04	2794.848
22812	LOC119626	10.50324	-0.47454	0.804131	-0.59013	0.555101	0.646904	14.09425	14.23271	8.348776	4.464254	12.83466	9.044815
6976	UBTF	6722.309	-0.47472	0.126775	-3.74457	0.000181	0.000689	7211.917	9403.988	6841.127	5640.585	5369.168	5867.07
5640	TSR1	5326.271	-0.47473	0.109046	-4.35344	1.34E-05	6.32E-05	6206.889	6832.247	5549.849	4439.701	4156.292	4772.647
8797	PRPF38A	1819.265	-0.47491	0.14956	-3.17537	0.001496	0.004522	1795.932	2652.758	1899.347	1535.703	1495.238	1536.614
9454	ABITRAM	858.2005	-0.47508	0.15854	-2.99657	0.00273	0.007678	849.4493	1222.371	921.1483	700.8879	767.9407	687.406
17932	RIMKLA	82.92042	-0.47516	0.350781	-1.35457	0.175555	0.260268	106.791	82.11177	97.40239	75.89232	94.12087	41.20416
4880	TIMM21	1601.579	-0.47525	0.1	-4.75246	2.01E-06	1.09E-05	1850.683	1941.67	1794.987	1359.365	1341.222	1321.548
22255	GNGT2	13.39934	-0.47534	0.696296	-0.68267	0.494815	0.591088	14.09425	17.51718	14.61036	11.16063	14.97377	8.039836
23814	LOC103222	5.972759	-0.47536	1.09334	-0.43478	0.663723	0.740916	7.047123	2.189647	11.82743	4.464254	4.278221	6.029877
4152	FEZ2	2677.229	-0.47541	0.090452	-5.25596	1.47E-07	9.43E-07	3128.38	3187.579	3029.91	2227.663	2190.449	2299.393
5512	POMGNT1	3282.277	-0.47574	0.107958	-4.40673	1.05E-05	5.06E-05	4097.631	3509.457	3856.439	2600.428	2626.828	3002.879
4707	SPRING1	3881.479	-0.47581	0.097494	-4.88043	1.06E-06	5.98E-06	4358.374	4836.383	4358.757	3153.995	3125.241	3456.124
19486	LOC119620	40.42367	-0.47585	0.431351	-1.10317	0.269953	0.368301	58.54533	36.12918	45.91827	29.01765	42.78221	30.14938
5683	LONRF1	1054.829	-0.476	0.1098	-4.33516	1.46E-05	6.81E-05	1232.704	1264.521	1185.526	899.5472	849.2269	897.4467
7309	TUT4	3037.673	-0.47611	0.131066	-3.63257	0.000281	0.001021	3191.805	4262.696	3148.88	2441.947	2613.993	2566.718
7078	AGGF1	3329.984	-0.47617	0.12859	-3.70298	0.000213	0.0008	3547.413	4653	3424.39	2743.284	2746.618	2865.196
16157	LOC103233	92.26228	-0.47637	0.291226	-1.63574	0.101895	0.16766	115.4644	99.62895	109.2298	75.89232	59.8951	93.46309
23773	TRNAV-AA	5.949482	-0.47648	1.080126	-0.44113	0.659118	0.737082	11.9259	2.737059	6.261582	4.464254	4.278221	6.029877
16854	LOC103225	66.78136	-0.47652	0.314569	-1.51482	0.129818	0.204759	79.14461	77.18507	76.53045	55.80317	57.75599	54.26889
5093	PYCR2	2306.249	-0.47652	0.102853	-4.63298	3.60E-06	1.88E-05	2706.095	2641.262	2710.569	1944.183	1754.071	2081.312
4850	DYNC2L1	1730.089	-0.47653	0.099655	-4.78183	1.74E-06	9.52E-06	1982.952	2106.441	1947.352	1484.364	1452.456	1406.971
5677	TAF1B	1270.504	-0.47654	0.109857	-4.33777	1.44E-05	6.74E-05	1497.785	1487.318	1454.774	1078.117	975.4345	1129.597
24678	LOC119615	2.878944	-0.47662	1.573357	-0.30293	0.761941	0.82082	4.878777	2.189647	2.782925	0	6.417332	1.004979
14192	ZBTB26	145.3498	-0.47666	0.24091	-1.97857	0.047864	0.089662	178.8885	169.1503	160.7139	91.51721	141.1813	130.6473
8689	HTATSF1	5661.725	-0.4767	0.14868	-3.20625	0.001345	0.004114	5702.749	8446.017	5618.727	4636.128	4616.201	4950.529
22130	LOC103236	21.64292	-0.47674	0.677475	-0.7037	0.481622	0.578577	14.63633	40.50847	19.48048	33.4819	10.69555	11.05477
9571	CUNH1orf	537.1186	-0.47686	0.160704	-2.96734	0.003004	0.008344	568.6486	724.2258	578.1528	484.3716	466.3261	400.9868
8505	BMS1	1964.333	-0.47687	0.146479	-3.25553	0.001132	0.003538	2068.602	2835.046	1956.397	1613.828	1576.525	1735.6
4297	LOC103226	4785.904	-0.47734	0.092552	-5.15758	2.50E-07	1.55E-06	5967.287	5422.661	5323.041	3848.187	4092.119	4062.127
21502	SFN	18.57251	-0.47767	0.594791	-0.80309	0.42192	0.52166	22.76763	24.08612	18.08902	11.16063	19.252	16.07967
8656	RRP15	1249.038	-0.47787	0.148672	-3.21424	0.001308	0.004017	1273.903	1776.351	1308.671	1080.349	1078.112	976.84
5211	EPHA7	4075.957	-0.47801	0.104515	-4.57356	4.80E-06	2.45E-05	4487.391	5251.869	4499.295	3194.174	3482.472	3540.543
6994	PDE8A	3728.646	-0.47825	0.128016	-3.73584	0.000187	0.000711	3958.315	5134.723	3935.057	2970.961	2966.946	3405.875
7603	WRAP53	1499.922	-0.47865	0.135804	-3.52459	0.000424	0.001483	1961.811	1550.27	1734.458	1116.063	1212.876	1424.056
4218	BLMH	4156.519	-0.47907	0.092005	-5.20697	1.92E-07	1.21E-06	4834.868	5049.874	4641.92	3421.851	3328.456	3662.145
16369	LOC103224	82.30963	-0.47909	0.300544	-1.59408	0.110918	0.180142	106.2489	89.22813	91.83654	82.5887	55.61688	68.3386
6654	KLHL7	1494.744	-0.47913	0.123606	-3.87624	0.000106	0.000424	1845.262	1516.878	1862.473	1290.169	1157.259	1296.424
7028	ERG28	1019.755	-0.47917	0.128697	-3.72325	0.000197	0.000744	1108.567	1332.4	1125.693	819.1906	817.1403	915.5363
9062	FOXRED1	1463.739	-0.47925	0.154996	-3.09199	0.001988	0.005832	1937.959	1359.224	1822.816	1116.063	1144.424	1401.946
8247	HINT2	1357.909	-0.47968	0.144013	-3.33079	0.000866	0.002792	1733.592	1274.922	1738.633	1167.402	1046.025	1186.881
3887	ETNK1	3773.122	-0.47974	0.087909	-5.45721	4.84E-08	3.31E-07	4543.226	4199.743	4442.941	3127.21	3133.797	3191.815
5403	SLC35B1	2416.355	-0.47993	0.107547	-4.46248	8.10E-06	3.99E-05	2860.048	2750.197	2842.063	1995.522	1818.244	2232.059
4945	ERGIC1	11338.09	-0.48004	0.10175	-4.71783	2.38E-06	1.28E-05	12803.54	14405.14	12419.5	9444.129	8727.572	10228.68
7228	MRPL40	698.9266	-0.48024	0.131246	-3.65908	0.000253	0.000931	759.463	872.027	807.7441	622.7634	581.8381	549.7238
5714	PLXNA1	5075.303	-0.48048	0.111271	-4.31813	1.57E-05	7.32E-05	6165.148	5351.498	6229.579	4214.256	3816.173	4675.164
8880	GEMIN2	667.0785	-0.48052	0.152626	-3.14838	0.001642	0.004915	858.1227	641.5666	833.4862	549.1032	543.3341	576.8582
5671	NARS2	1122.881	-0.48053	0.110757	-4.33859	1.43E-05	6.72E-05	1354.132	1326.379	1246.751	892.8508	943.3478	973.8251
6176	RNF169	2877.142	-0.48059	0.117552	-4.08829	4.35E-05	0.000187	3154.943	3773.31	3132.183	2446.411	2171.197	2584.807
23428	LOC103216	7.077817	-0.48094	0.970713	-0.49545	0.620284	0.703895	8.131296	7.116354	9.044508	4.464254	10.69555	3.014938
19794	LOC119625	39.4661	-0.481	0.456298	-1.05414	0.291821	0.39194	46.61943	44.34036	45.91827	22.32127	53.47777	24.11951
21330	MROH8	21.31652	-0.48112	0.581261	-0.82772	0.407828	0.508303	24.93597	25.18094	24.3506	26.78552	8.556443	18.08963
9642	RNF214	956.4822	-0.48131	0.163168	-2.94978	0.00318	0.008768	990.9339	1386.047	969.8495	720.977	795.7492	875.3371
8523	ZNF512	989.3833	-0.48134	0.148141	-3.24923	0.001157	0.003609	1057.068	1381.667	1017.159	816.9585	885.5918	777.8541
7133	KMT5A	2329.058	-0.48136	0.130622	-3.68518	0.000229	0.000852	2499.018	3215.497	2428.798	2020.075	1798.992	2011.969
20070	LOC119620	35.14603	-0.48141	0.473071	-1.01763	0.308853	0.409112	54.20864	27.918	41.04815	22.32127	34.22577	31.15436
19802	PIP5KL1	36.52591	-0.48147	0.457201	-1.05308	0.292304	0.39243	41.19856	29				



4642	ABCC5	2540.245	-0.48185	0.097877	-4.92298	8.52E-07	4.88E-06	2999.906	3028.282	2860.152	2006.682	2079.216	2267.234
4803	RABL6	5449.552	-0.48192	0.100157	-4.81166	1.50E-06	8.29E-06	6348.373	6376.8	6337.417	4591.485	4068.588	4974.648
9264	TAMM41	396.6616	-0.48277	0.158768	-3.04073	0.00236	0.006773	438.5479	452.7096	500.2309	312.4978	310.171	365.8125
12099	IL1RAPL1	271.5612	-0.4831	0.202388	-2.38701	0.016986	0.037326	288.3899	361.2918	295.6858	245.534	254.5542	183.9112
6494	COQ7	958.8482	-0.48326	0.122578	-3.94249	8.06E-05	0.00033	1118.866	1055.957	1182.743	720.977	836.3923	838.1529
6840	EZH2	3536.52	-0.48339	0.127146	-3.80187	0.000144	0.000558	3727.386	4949.698	3692.942	2948.64	2949.834	2950.62
6042	DXH38	2964.889	-0.48343	0.116581	-4.1467	3.37E-05	0.000148	3402.134	3719.663	3250.11	2386.144	2220.397	2802.888
7097	PDCD5	3312.5	-0.48347	0.130788	-3.69659	0.000219	0.000819	3454.174	4631.651	3500.92	2926.318	2586.185	2775.753
7223	FANCB	584.2979	-0.48365	0.132154	-3.65977	0.000252	0.000929	682.4867	661.8209	702.6887	453.1218	494.1346	511.5345
4525	NELFCD	4383.091	-0.48377	0.096757	-4.99985	5.74E-07	3.37E-06	5099.949	5355.877	4885.426	3517.832	3488.889	3950.574
8595	PACC1	429.7831	-0.48396	0.149781	-3.23109	0.001233	0.003814	546.4231	471.869	484.229	366.0688	359.3706	350.7378
22134	SPR2	17.38463	-0.48406	0.688514	-0.70305	0.482024	0.578956	27.6464	11.49565	20.87194	24.5534	10.69555	9.044815
8148	BRINP1	746.7161	-0.48406	0.143847	-3.36513	0.000765	0.002496	854.8702	956.3284	807.0484	544.639	613.9248	703.4856
6683	LCLAT1	1941.794	-0.48409	0.125297	-3.86354	0.000112	0.000445	2126.063	2608.417	2062.148	1486.597	1662.089	1705.45
17827	LOC119621	72.90888	-0.48415	0.352766	-1.37245	0.169924	0.253404	82.93921	90.87036	78.61764	60.26743	85.56443	39.1942
16913	LOC103231	82.90603	-0.48446	0.322012	-1.50447	0.13246	0.208232	97.57555	111.672	80.00911	91.51721	51.33866	65.32367
9107	LOC103234	1039.729	-0.48455	0.157267	-3.08105	0.002063	0.006022	1317.27	989.7206	1337.196	832.5834	763.6625	997.9446
24182	LOC103241	4.166851	-0.48476	1.285715	-0.37703	0.706149	0.77632	8.673382	2.189647	3.478657	2.232127	6.417332	2.009959
6838	SDR42E1	1249.058	-0.48497	0.127533	-3.80266	0.000143	0.000557	1585.061	1278.207	1510.433	1080.349	951.9042	1088.393
13730	ZNF124	147.5351	-0.48547	0.23515	-2.0645	0.038971	0.075454	191.8986	159.8442	164.1926	142.8561	104.8164	121.6025
5490	ZRANB2	5323.324	-0.48562	0.110009	-4.4144	1.01E-05	4.91E-05	5535.786	7064.349	6034.078	4321.398	4457.907	4526.428
6898	RFC5	759.0348	-0.48579	0.128624	-3.7768	0.000159	0.000612	922.0889	821.6651	917.6697	604.9064	607.5074	680.3711
4287	SPAG9	11442.15	-0.48583	0.094084	-5.16373	2.42E-07	1.50E-06	13283.83	14405.69	12367.32	9348.148	9230.263	10017.64
5228	DEPDC5	2187.448	-0.48586	0.106431	-3.56498	5.00E-06	2.54E-05	2673.028	2655.495	2332.787	1745.523	1788.297	1929.561
6640	SMARCC1	9095.297	-0.48607	0.125219	-3.88175	0.000104	0.000415	9899.039	12637	9307.494	7319.144	7236.611	8172.493
3884	ZZZ3	5116	-0.48613	0.089044	-5.45936	4.78E-08	3.27E-07	5925.546	6287.572	5693.17	4225.416	4408.707	4155.59
5689	CASP8	3361.741	-0.48625	0.112257	-4.33161	1.48E-05	6.92E-05	3698.113	4478.376	3594.148	2772.302	2740.201	2887.306
7064	NME6	1657.196	-0.48641	0.131251	-3.70598	0.000211	0.000792	2076.191	1634.572	2096.239	1285.705	1354.057	1496.414
5015	GPBP1	5940.936	-0.48659	0.103967	-4.68023	2.87E-06	1.52E-05	6577.676	7823.062	6398.641	4928.536	4986.267	4931.434
14081	LOC119621	118.329	-0.48669	0.243596	-1.99794	0.045723	0.086325	134.4374	139.59	141.2335	98.21359	91.98176	104.5179
22360	LOC103241	15.10364	-0.4868	0.731986	-0.66504	0.506027	0.601643	20.59928	16.42235	14.61036	17.85702	17.11289	4.019918
8172	DENND2C	457.122	-0.48682	0.145103	-3.35499	0.000794	0.002582	549.1335	549.054	502.318	354.9082	406.431	380.8872
4475	RCN1	16583.69	-0.48687	0.096876	-5.02567	5.02E-07	2.98E-06	18839.13	21413.66	17816.98	13508.83	13651.8	14271.71
4896	TMEM87A	1914.81	-0.48694	0.102644	-4.74401	2.10E-06	1.14E-05	2412.826	2123.41	2168.595	1593.739	1589.359	1600.932
7552	LOC119618	6742.346	-0.48695	0.137509	-3.54121	0.000398	0.001402	7198.907	9742.835	6665.107	5437.461	5929.615	5480.153
7177	SKA1	853.5868	-0.4874	0.132727	-3.67224	0.00024	0.000891	958.9508	1123.289	905.8422	743.2983	686.6545	703.4856
19083	LOC103231	45.11025	-0.48772	0.416136	-1.17203	0.241184	0.336	49.32986	60.2153	46.614	40.17829	49.19955	25.12449
8104	BPTF	6300.846	-0.48774	0.14432	-3.37956	0.000726	0.002382	6309.885	9353.078	6404.903	5203.088	5208.734	5325.386
6198	LCORL	1427.12	-0.48781	0.119701	-4.07518	4.60E-05	0.000197	1587.771	1862.295	1547.307	1129.456	1262.075	1173.816
18907	LOC119621	39.48723	-0.48814	0.406098	-1.20202	0.229357	0.322497	42.28274	47.07742	48.7012	33.4819	34.22577	31.15436
5901	PPIL2	2358.352	-0.48816	0.115916	-4.21136	2.54E-05	0.000114	2560.816	3124.627	2578.38	1962.04	1861.026	2063.223
13490	NUDT16L1	554.7161	-0.48822	0.23154	-2.10856	0.034982	0.06894	802.2878	395.7787	746.5198	477.6752	408.5701	497.4648
20879	LOC119621	25.09406	-0.48825	0.546715	-0.89306	0.371824	0.47344	41.74065	25.18094	20.87194	24.5534	17.11289	21.10457
6578	LOC103241	5411.698	-0.48839	0.124934	-3.90918	9.26E-05	0.000374	5766.173	7458.486	5737.001	4158.453	4489.993	4860.081
5345	RAD18	1271.325	-0.48864	0.108785	-4.49179	7.06E-06	3.51E-05	1523.805	1488.96	1445.73	1051.332	992.5473	1125.577
5259	LOC103221	2612.651	-0.48888	0.107489	-4.54815	5.41E-06	2.74E-05	2848.664	3409.828	2893.547	2200.877	2173.336	2149.651
7521	RDH13	697.0526	-0.48913	0.13771	-3.55192	0.000382	0.001352	859.2069	719.2991	866.8813	558.0317	566.8643	612.0325
12418	FAM50B	214.4349	-0.48922	0.211143	-2.31702	0.020503	0.043893	269.959	222.7966	258.8121	209.8199	143.3204	181.9013
9731	GTPBP8	298.7108	-0.48949	0.167593	-2.92068	0.003493	0.009542	327.9623	359.6496	357.6059	247.7661	263.1106	236.1702
4259	DBN1	16165.23	-0.48961	0.094442	-5.18423	2.17E-07	1.35E-06	18443.95	19287.76	13348.12	12284.91	14701.84	
18557	LOC103211	47.20606	-0.48963	0.394179	-1.24216	0.214176	0.306831	69.38706	43.79295	52.17985	40.17829	38.50399	39.1942
10947	SLC25A26	563.9853	-0.48992	0.185602	-2.63961	0.0083	0.020157	809.877	512.3775	656.7704	473.2109	417.1266	514.5495
22770	LOC103241	14.36778	-0.49002	0.820604	-0.59715	0.550407	0.642625	11.38381	22.44388	15.30609	20.08914	14.97377	2.009959
6446	TIMM17B	1648.869	-0.49018	0.123742	-3.96128	7.45E-05	0.000307	2092.995	1667.964	2019.708	1430.793	1272.771	1408.981
7537	KRAS	2193.675	-0.49021	0.138215	-3.54673	0.00039	0.001376	2396.022	3107.657	2185.988	1745.523	1837.496	1889.361
11036	TMEM86B	282.624	-0.49043	0.187115	-2.62102	0.008767	0.021117	364.8241	282.4645	342.2998	223.2127	258.8324	224.1104
10886	ANKS1B	239.237	-0.49063	0.184957	-2.65267	0.007986	0.0195	270.5011	301.0765	265.0737	205.3557	207.4937	185.9212
6438	CDK6	50196.58	-0.49087	0.123796	-3.96514	7.34E-05	0.000303	53011.71	70680.17	52275.17	40676.05	40373.57	44162.82
10045	SIX4	348.2254	-0.4909	0.172133	-2.85183	0.004347	0.011504	356.6928	462.0156	401.437	303.5693	280.2235	285.4142
27469	LOC119621	0.58099	-0.49124	3.043749	-0.16139	0.871785	NA	0.542086	0.547412	1.391463	0	0	1.004979
29382	LOC119621	0.58099	-0.49124	3.043749	-0.16139	0.871785	NA	0.542086	0.547412	1.391463	0	0	1.004979
16261	DUSP9	83.00989	-0.49128	0.304135	-1.61532	0.106241	0.173693	98.65972	95.24966	94.61947	78.12444	79.14709	52.25893
4655	NUDCD1	2629.924	-0.49142	0.099982	-4.9151	8.87E-07	5.07E-06	3085.556	3287.208	2848.324	2118.289	2233.232	2206.935
19089	LOC119621	60.35588	-0.49147	0.419549	-1.17141	0.241433	0.33624	86.73382	37.224	86.96642	49.10679	59.8951	42.20914
4018	LOC103231	3686.016	-0.4915	0.091739	-5.35759	8.43E-08	5.58E-07	4196.833	4552.277	4178.563	3002.211	3005.45	3180.76
8462	FBXW4	1281.204	-0.49179	0.150635	-3.26478	0.001095	0.003442	1677.757	1277.659	1551.481	1004.457	932.6523	1255.219
9149	ZHX2	653.2505	-0.49182	0.160367	-3.06683	0.002163	0.006286	680.8605	907.0614	698.5143	482.1394	554.0297	584.8981
24138	TRNAF-GA	3.853876	-0.49184	1.279788	-0.38431	0.700747	0.771798	2.168345	4.379295	6.957314	4.464254	2.139111	3.014938
23567	LOC119621	5.96301	-0.49203	1.036557	-0.47467	0.635019	0.716352	5.420864	4.926706	10.43597	6.696381	4.278221	4.019918
5558	PDZK1	1305.399	-0.49203	0.112085	-4.38977	1.13E-05	5.43E-05	1477.185	1647.162	1456.166	1033.475	1088.807	1129.597
4979	POFUT1	2567.735	-0.49204	0.104701	-4.69952	2.61E-06	1.39E-05	3021.047	3126.816	2864.3			



27652	TRNAD-GU	0.580102	-0.49247	3.387038	-0.1454	0.884397	NA	1.084173	0	1.391463	0	0	1.004979
29011	LOC119622	0.580102	-0.49247	3.387038	-0.1454	0.884397	NA	1.084173	0	1.391463	0	0	1.004979
3678	MDH2	16454.88	-0.49247	0.086836	-5.67129	1.42E-08	1.02E-07	19621.36	19152.3	18943.37	13669.55	12770.49	14572.2
4583	PLK1	2678.548	-0.49251	0.099463	-4.95173	7.36E-07	4.27E-06	3074.714	3323.885	3000.689	2200.877	2113.441	2357.682
8464	KIF20B	7830.611	-0.49263	0.150942	-3.26367	0.0011	0.003454	7804.96	11866.25	7792.887	6292.366	6652.634	6574.576
4413	WDR41	1899.263	-0.49266	0.097156	-5.07082	3.96E-07	2.39E-06	2255.079	2248.768	2159.55	1609.364	1503.795	1619.022
7056	ZNF652	1559.662	-0.49286	0.132896	-3.70857	0.000208	0.000785	1741.181	2113.557	1618.967	1314.723	1178.65	1390.892
22652	LOC103217	10.29945	-0.4929	0.801374	-0.61507	0.53851	0.63201	14.63633	10.94824	11.1317	4.464254	8.556443	12.05975
4668	SLC37A3	1999.92	-0.49295	0.100509	-4.90448	9.37E-07	5.33E-06	2458.362	2256.431	2304.958	1589.274	1642.837	1747.659
6605	LOC103225	3034.85	-0.49304	0.12641	-3.90028	9.61E-05	0.000387	3314.858	4188.248	3145.402	2439.715	2438.586	2682.29
11564	RPH3AL	196.8707	-0.49309	0.197051	-2.50237	0.012336	0.028362	235.2655	216.2277	240.0273	154.0168	166.8506	168.8366
3902	CSNK1D	5089.096	-0.49319	0.090635	-5.44151	5.28E-08	3.60E-07	5841.523	6051.09	5967.288	4142.828	4004.415	4527.433
6919	ACSL3	19519.72	-0.49319	0.130919	-3.76718	0.000165	0.000634	20239.88	28182.95	20049.59	16115.96	16092.53	16437.44
5883	MCRS1	2311.57	-0.49321	0.11678	-4.2234	2.41E-05	0.000109	2765.183	2598.016	2754.4	1904.004	1677.063	2170.756
20031	CNKSR1	27.62227	-0.49323	0.482273	-1.02272	0.306441	0.406706	30.89892	35.03436	30.61218	24.5534	23.53022	21.10457
5254	SLC16A1	3979.218	-0.49338	0.108412	-4.55102	5.34E-06	2.70E-05	4515.037	5216.287	4231.438	3227.656	3208.666	3476.224
5192	TLN2	2343.281	-0.49346	0.107686	-4.58242	4.60E-06	2.35E-05	2793.913	2734.869	2700.829	1879.451	1781.879	2168.746
14169	LOC103246	112.1585	-0.49358	0.249033	-1.98199	0.047481	0.089068	171.727	135.7581	126.6231	91.51721	89.84265	97.48301
11871	LOC103226	330.7658	-0.49382	0.203007	-2.43251	0.014995	0.033577	399.5177	295.6024	464.0528	281.248	290.9191	253.2548
8800	THUMPDI	969.7038	-0.49386	0.155584	-3.17426	0.001502	0.004538	1052.19	1387.689	963.5879	747.7625	827.8358	839.1579
5356	CHCHD4	1377.011	-0.49391	0.11011	-4.48559	7.27E-06	3.61E-05	1535.731	1729.821	1561.917	1174.099	1170.094	1090.403
4598	ZNF692	2143.738	-0.49394	0.09992	-4.94336	7.68E-07	4.44E-06	2453.483	2599.111	2475.412	1687.488	1745.514	1901.421
5775	PRKAA2	5556.396	-0.49402	0.115247	-4.2866	1.81E-05	8.35E-05	6003.607	7582.748	5910.238	4564.7	4562.723	4714.359
4070	TMX3	4585.266	-0.49419	0.092913	-5.31889	1.04E-07	6.82E-07	5318.951	5700.199	5073.969	3669.617	3786.226	3962.634
11585	RNF24	196.7844	-0.49426	0.197853	-2.49813	0.012485	0.02865	239.0601	219.5121	233.7657	158.481	154.016	175.8714
10955	LOC103215	673.6463	-0.49446	0.187393	-2.63862	0.008325	0.020202	672.1871	1034.061	656.7704	526.782	605.3683	546.7088
4752	DAXX	2918.425	-0.4945	0.102119	-4.84241	1.28E-06	7.18E-06	3475.316	3390.669	3384.037	2370.519	2226.814	2663.196
19338	LOC119621	41.3708	-0.49463	0.438286	-1.12856	0.259082	0.356156	47.16151	50.9093	45.91827	53.57105	23.53022	27.13445
4604	MRPL24	1756.804	-0.49463	0.100108	-4.941	7.77E-07	4.49E-06	2106.006	1948.239	2113.632	1450.883	1424.648	1497.419
8439	FDXACB1	615.313	-0.49474	0.151214	-3.27179	0.001069	0.003367	779.5202	623.5021	760.4344	504.4607	464.187	559.7736
4136	ACLY	47328.94	-0.49482	0.093953	-5.26664	1.39E-07	8.93E-07	55377.38	57985.14	52747.57	37792.14	37047.26	43024.18
22526	LOC119624	11.41837	-0.49494	0.777469	-0.63661	0.524381	0.618842	11.9259	16.96977	11.1317	4.464254	14.97377	9.044815
5153	HS6ST2	2597.57	-0.49506	0.107603	-4.60082	4.21E-06	2.17E-05	3118.081	3072.075	2934.595	2142.842	1938.034	2379.791
18844	SLC30A3	49.09584	-0.49535	0.408601	-1.21232	0.225392	0.317985	61.79785	53.64636	55.65851	62.49956	27.80844	33.16432
5782	PPP4R3A	5289.48	-0.49546	0.11566	-4.28375	1.84E-05	8.45E-05	5722.806	7219.267	5625.684	4399.522	4280.36	4489.243
7656	BUD13	1105.297	-0.49546	0.141221	-3.50843	0.000451	0.001565	1202.89	1519.615	1160.48	912.9399	844.9487	990.9098
7280	DCP1B	962.9028	-0.49557	0.136172	-3.63931	0.000273	0.000998	1032.132	1294.629	1051.946	758.9232	859.9225	779.8641
8573	ZFHX4	612.8376	-0.49561	0.153181	-3.23543	0.001215	0.003766	645.6249	837.5401	665.8149	504.4607	541.195	482.3901
4868	NF1	6774.778	-0.49563	0.104101	-4.76103	1.93E-06	1.05E-05	7541.506	8657.318	7589.734	5145.053	5642.974	6072.086
14119	TESK2	127.5404	-0.49564	0.248997	-1.99056	0.04653	0.087606	152.8684	135.2107	157.2353	113.8385	117.6511	88.43819
4175	LRRC58	4931.489	-0.49569	0.094534	-5.24356	1.58E-07	1.00E-06	5987.886	5803.66	5527.586	3973.186	3886.764	4409.85
4263	XPO6	10354.55	-0.4963	0.095809	-5.18012	2.22E-07	1.38E-06	12472.87	12026.09	11865.7	8390.565	7923.266	9448.817
15332	LOC103244	90.99853	-0.49631	0.279901	-1.77315	0.076205	0.132127	113.2961	108.935	96.01093	78.12444	81.28621	68.3386
6308	XAB2	1521.718	-0.49638	0.123425	-4.02171	5.78E-05	0.000244	1938.501	1585.305	1824.903	1220.973	1180.789	1379.837
20411	LOC103238	25.11352	-0.49646	0.517362	-0.95961	0.337253	0.439266	36.31979	26.82318	25.04633	17.85702	23.53022	21.10457
5719	PATZ1	1552.157	-0.49661	0.115105	-4.31443	1.60E-05	7.44E-05	1906.518	1762.119	1788.725	1267.848	1163.676	1424.056
4729	OGFOD1	2114.162	-0.49662	0.102081	-4.86489	1.15E-06	6.44E-06	2360.786	2673.012	2390.533	1781.237	1700.593	1778.814
5582	AEN	2212.307	-0.49685	0.113425	-4.38047	1.18E-05	5.64E-05	2850.832	2355.513	2567.249	1810.255	1726.262	1963.73
6956	JADE3	1042.485	-0.49714	0.132443	-3.75363	0.000174	0.000666	1187.169	1339.517	1140.999	812.4942	797.8883	976.84
21173	LOC119626	19.23462	-0.49714	0.581678	-0.85467	0.392733	0.493097	22.76769	18.612	26.43779	13.39276	17.11289	17.08465
5156	STYXL1	1418.626	-0.49732	0.108132	-4.59921	4.24E-06	2.19E-05	1746.06	1551.912	1681.583	1171.867	1225.71	1134.622
22474	LOC119628	12.66158	-0.49742	0.773531	-0.64305	0.520194	0.615349	22.22554	13.13788	8.348776	13.39276	12.83466	6.029877
16007	LOC103230	82.01529	-0.4975	0.299074	-1.66345	0.096222	0.159808	80.22878	105.6505	102.2725	71.42806	64.17332	68.3386
8002	NTMT1	1202.511	-0.49754	0.14584	-3.41157	0.000646	0.002146	1615.417	1152.302	1459.644	957.5825	949.7651	1080.353
5562	ALKBH8	1809.485	-0.49779	0.113424	-4.38879	1.14E-05	5.45E-05	2065.891	2338.543	1949.439	1591.507	1433.204	1478.325
9923	RRG	342.3716	-0.49798	0.172942	-2.87944	0.003984	0.010673	427.1641	363.4814	411.1772	325.8905	248.1368	278.3793
5103	GGA2	1616.979	-0.498	0.107632	-4.62686	3.71E-06	1.93E-05	1985.12	1900.614	1799.857	1299.098	1277.049	1440.136
27482	LOC119629	0.581878	-0.4982	3.38409	-0.14722	0.88296	NA	0	1.094824	1.391463	0	0	1.004979
27644	TRNAM-C4	0.581878	-0.4982	3.38409	-0.14722	0.88296	NA	0	1.094824	1.391463	0	0	1.004979
27701	DUXA	0.581878	-0.4982	3.38409	-0.14722	0.88296	NA	0	1.094824	1.391463	0	0	1.004979
28947	LOC119621	0.581878	-0.4982	3.38409	-0.14722	0.88296	NA	0	1.094824	1.391463	0	0	1.004979
11096	HAPLN3	419.5898	-0.49847	0.191239	-2.60651	0.009147	0.021915	562.6857	388.115	527.3644	330.3548	308.0319	400.9868
4847	ZBTB37	2587.204	-0.49848	0.104222	-4.78286	1.73E-06	9.48E-06	3029.721	3263.122	2796.84	2026.771	2246.066	2160.706
20108	LOC103228	29.2993	-0.49857	0.493025	-1.01124	0.311903	0.412361	41.74065	26.27577	34.09084	26.78552	27.80844	19.09461
5564	SLC47A1	1334.386	-0.49858	0.113621	-4.38805	1.14E-05	5.46E-05	1691.852	1465.421	1534.088	1104.903	1050.303	1159.746
9518	CEP83	708.6127	-0.49863	0.167341	-2.9797	0.002885	0.008059	772.4731	1023.113	692.2527	564.7281	635.3159	563.7935
5811	ABCB1	12710.79	-0.49888	0.116897	-4.26772	1.97E-05	9.03E-05	13895.3	17393.46	13375.44	10461.98	9934.03	11204.52
4773	TXNL4A	2293.612	-0.49896	0.103336	-4.82848	1.38E-06	7.66E-06	2839.448	2442.552	2778.055	1872.755	1912.365	1916.496
24604	RHOXF1	2.591447	-0.499	1.581063	-0.31561	0.752298	0.8129	2.710432	2.189647	4.174388	4.464254	0	2.009959
5530	CNOT6L	2082.094	-0.49901	0.113406	-4.40026	1.08E-05	5.20E-05	2356.449	2633.051	2331.396	1535.703	1796.853	1839.112
16916	LOC103244	63.14085	-0.49925	0.332004	-1.50375	0.132646	0.208466	67.21871	81.56436	72.35606	60.26743	49.19955	48.23901
5434	POMT2	1308.334	-0.49936	0.112342	-4.44502	8.79E-06							



23787	CHST1	5.512645	-0.49992	1.140389	-0.43837	0.661115	0.73888	5.420864	7.116354	6.957314	0	8.556443	5.024897
6821	BNIP1	992.1363	-0.49993	0.131229	-3.8096	0.000139	0.000542	1234.331	1000.669	1250.925	834.8155	832.114	799.9637
20485	LOC119621	30.43887	-0.5	0.526608	-0.94948	0.342376	0.444328	31.9831	40.50847	32.69937	29.01765	36.36488	12.05975
4248	MRRF	2334.602	-0.50005	0.096378	-5.18844	2.12E-07	1.33E-06	2801.502	2702.572	2707.786	1881.683	1858.887	2055.183
3484	ZNF655	8032.171	-0.50019	0.085176	-5.87236	4.30E-09	3.28E-08	9766.77	9301.074	9169.044	6339.241	6731.781	6885.114
5335	PLCD3	6189.758	-0.50022	0.111196	-4.49853	6.84E-06	3.41E-05	7665.643	6714.553	7385.884	5031.214	4577.697	5763.557
5134	CENPU	1401.953	-0.50024	0.108537	-4.60894	4.05E-06	2.10E-05	1707.572	1526.184	1693.41	1209.813	1123.033	1151.706
5232	USP13	1764.659	-0.50047	0.109678	-4.56305	5.04E-06	2.56E-05	2019.272	2255.884	1931.35	1399.544	1450.317	1531.589
8495	WDR83	432.6138	-0.50053	0.153662	-3.25733	0.001125	0.00352	533.413	488.2913	503.7095	325.8905	344.3968	399.9818
7284	SCLY	657.6411	-0.50065	0.137595	-3.63855	0.000274	0.001001	806.0824	776.7774	733.3009	553.5675	479.1608	596.9578
6634	KDSR	1196.362	-0.50076	0.128855	-3.88625	0.000102	0.000408	1486.943	1317.62	1408.856	964.2789	874.8963	1125.577
5746	LOC103221	1503.464	-0.50097	0.11648	-4.30092	1.70E-05	7.87E-05	1888.087	1593.516	1807.51	1270.08	1155.12	1306.473
5638	CACTIN	1374.404	-0.50102	0.115019	-4.35592	1.33E-05	6.25E-05	1636.017	1574.904	1627.316	1156.242	1011.799	1240.145
15611	NEXN	167.8014	-0.50104	0.290094	-1.72718	0.084136	0.143097	150.7	285.749	152.3652	140.624	149.7377	127.6324
7221	SNAPC2	1210.505	-0.50117	0.136904	-3.66072	0.000252	0.000926	1493.448	1222.918	1545.219	995.5286	898.4265	1107.487
22176	LOC103221	13.6641	-0.50117	0.720923	-0.69518	0.48694	0.583726	16.80468	15.32753	15.30609	20.08914	6.417332	8.039836
10256	LOC119621	311.2464	-0.50126	0.178999	-2.80033	0.005105	0.013233	400.0597	354.7229	337.4297	236.6055	299.4755	239.1851
7427	MFS11	715.3674	-0.50135	0.139648	-3.59011	0.000331	0.001183	909.0788	741.743	867.577	598.21	545.4732	630.1221
5891	ASCC2	1343.538	-0.50148	0.118842	-4.21975	2.45E-05	0.00011	1523.263	1715.041	1491.648	1066.957	1050.303	1214.015
13242	LOC119621	143.8561	-0.50152	0.232341	-2.15855	0.030885	0.062006	184.3094	157.6546	164.1926	131.6955	102.6773	122.6075
25628	LOC103221	0.820339	-0.50157	3.43929	-0.14584	0.884052	0.917064	0	0	2.782925	0	2.139111	0
14776	LOC103221	142.0582	-0.50162	0.267182	-1.87746	0.060456	0.108775	210.3295	153.2753	133.5804	129.4634	126.2075	99.49297
6472	COQ4	1157.54	-0.50175	0.126997	-3.95089	7.79E-05	0.00032	1479.896	1225.108	1369.895	968.7431	868.4789	1033.119
7107	COX10	1167.398	-0.50193	0.135865	-3.69433	0.00022	0.000825	1220.236	1605.559	1278.754	939.7255	1005.382	954.7305
11568	LOC119621	278.6928	-0.50206	0.200696	-2.50159	0.012364	0.028414	375.1238	271.5163	333.2553	200.8914	265.2497	226.1204
6069	EPB41L5	1536.704	-0.50207	0.121354	-4.13726	3.51E-05	0.000154	1708.656	2020.497	1679.496	1254.455	1189.346	1367.777
11809	LOC103241	395.2025	-0.50214	0.205165	-2.44751	0.014385	0.032384	583.827	358.5547	448.051	283.4801	363.6488	333.6532
5612	ZFP62	2968.38	-0.50224	0.11502	-4.36649	1.26E-05	5.98E-05	3279.623	3964.904	3198.973	2390.608	2372.274	2603.902
8183	FKBP11	711.3308	-0.50232	0.149887	-3.35134	0.000804	0.002612	890.1058	702.8768	912.7996	564.7281	558.3079	639.1669
8731	AKAP9	12796.1	-0.50251	0.15737	-3.19316	0.001407	0.004285	12798.66	19850.79	12358.28	10408.41	10430.3	10930.16
6907	RFK	795.6836	-0.50289	0.133237	-3.77438	0.00016	0.000617	953.5299	862.721	977.5026	667.406	723.0194	589.9229
4746	RPAIN	1234.203	-0.50314	0.103813	-4.84654	1.26E-06	7.04E-06	1430.024	1454.473	1454.774	1029.011	1046.025	990.9098
6905	H2AFY2	650.4136	-0.50335	0.13333	-3.77522	0.00016	0.000615	771.3889	801.9583	718.6905	529.0141	500.5519	580.8781
15233	LOC103211	160.2949	-0.50338	0.281264	-1.7897	0.073503	0.128286	142.0266	252.3568	168.367	165.1774	111.2338	162.6075
6523	KIF15	2176.159	-0.50344	0.128087	-3.93042	8.48E-05	0.000346	2374.338	3002.006	2282.695	1758.916	1730.541	1908.456
8627	SEPTIN6	1069.843	-0.50381	0.156434	-3.2206	0.001279	0.003942	1131.876	1561.218	1072.122	883.9223	851.366	918.5512
7765	LGALS1	36745.51	-0.50417	0.145124	-3.47409	0.000513	0.001755	49642.1	32294.56	47371.65	30269.87	28398.83	32496.01
7356	MAP4K5	3248.934	-0.50424	0.139492	-3.61486	0.000301	0.001086	3398.339	4728.543	3306.115	2660.695	2682.445	2717.464
5850	CREB1	4391	-0.50444	0.118764	-4.24739	2.16E-05	9.83E-05	4761.687	6029.741	4662.792	3479.886	3681.409	3730.484
13354	LOC119618	159.0737	-0.50446	0.236185	-2.13588	0.032689	0.065077	215.2083	160.9391	181.5859	151.7846	128.3466	116.5776
19280	LOC103211	34.98662	-0.50475	0.443097	-1.13915	0.25464	0.351103	48.24569	33.39212	41.04815	29.01765	32.08666	26.12947
18056	LOC103241	49.39862	-0.5048	0.378659	-1.33314	0.182486	0.268686	52.58238	63.49977	56.35424	46.87467	44.92132	32.15934
22929	LOC103231	8.86212	-0.50486	0.878842	-0.57446	0.565654	0.655846	10.29964	10.40082	9.740239	11.16063	8.556443	3.014938
17825	LOC119621	49.23951	-0.50496	0.367753	-1.3731	0.169721	0.253129	54.20864	55.28859	64.00729	37.94616	42.78221	41.20416
4374	ABL1	8662.275	-0.50498	0.099064	-5.09756	3.44E-07	2.09E-06	10178.21	10465.42	9855.035	7049.057	6515.731	7910.193
9769	ABT1	383.0572	-0.505	0.173467	-2.91119	0.003601	0.009798	490.5882	397.421	464.7486	303.5693	280.2235	361.7926
4383	GNPDA2	2045.517	-0.505	0.099182	-5.09166	3.55E-07	2.15E-06	2360.786	2446.931	2390.533	1602.667	1813.966	1658.216
22895	LOC119621	8.509938	-0.50527	0.871083	-0.58005	0.561883	0.652442	7.047123	13.6853	9.044508	6.696381	8.556443	6.029877
6817	CYB5R4	648.2312	-0.50534	0.132621	-3.81038	0.000139	0.000541	773.5572	716.0147	788.2636	549.1032	569.0034	493.4449
6684	LOC119621	767.8992	-0.50537	0.130808	-3.86344	0.000112	0.000445	928.0519	914.7251	866.1856	569.1924	626.7594	702.4806
21630	LOC119621	15.70467	-0.50541	0.64391	-0.78491	0.432506	0.531585	18.43094	18.06459	18.08902	15.62489	14.97377	9.044815
6016	FLRT3	11880.92	-0.50572	0.121621	-4.15815	3.21E-05	0.000142	12733.07	16612.31	12484.2	9593.682	9501.93	10360.33
4872	TTC12	1637.812	-0.5058	0.106294	-4.75848	1.95E-06	1.06E-05	1918.986	1996.958	1856.211	1267.848	1332.666	1454.205
3769	NAB1	2941.482	-0.50583	0.09075	-5.57388	2.49E-08	1.76E-07	3584.817	3431.725	3339.511	2482.125	2361.578	2449.135
19112	LOC103231	39.17153	-0.50646	0.433911	-1.1672	0.243129	0.338195	55.29281	38.86624	42.43961	37.94616	36.36488	24.11951
15440	LOC103211	215.9566	-0.50653	0.288775	-1.75405	0.079422	0.13675	169.673	359.1022	228.8956	214.2842	186.1026	137.6822
13519	LOC103241	163.1306	-0.5066	0.240785	-2.10394	0.035384	0.069582	218.4608	160.3917	197.5877	107.1421	145.4595	149.7419
5207	SLC35A5	1174.254	-0.50674	0.110778	-4.57438	4.78E-06	2.44E-05	1431.65	1282.586	1421.379	979.9037	956.1825	973.8251
20599	LOC103231	22.79447	-0.5069	0.540952	-0.93704	0.348736	0.450077	24.93597	26.82318	28.52499	24.5534	12.83466	19.09461
7635	SMC6	5138.707	-0.50704	0.144293	-3.51392	0.000442	0.001537	5334.672	7643.511	5119.191	4176.31	4280.36	4278.198
20202	LOC119621	27.21883	-0.50715	0.508974	-0.99642	0.319044	0.419849	31.44101	31.74989	34.09084	15.62489	19.252	31.15436
23475	CUNH12or	6.070078	-0.50719	1.038947	-0.48817	0.625427	0.708284	8.131296	4.379295	9.044508	6.696381	2.139111	6.029877
4042	CAPZA1	11386.67	-0.50725	0.094994	-5.33979	9.31E-08	6.12E-07	12472.32	14758.77	12871.73	9432.969	9474.121	9310.13
4033	HINT1	11352.03	-0.50738	0.094894	-5.34685	8.95E-08	5.90E-07	13283.83	12575.14	14117.09	9961.983	9506.208	8667.948
25612	LOC103231	0.828189	-0.50755	3.415191	-0.14861	0.881857	0.915359	0	2.737059	0	2.232127	0	0
7543	GSP1T	7414.619	-0.50779	0.143218	-3.54558	0.000392	0.001381	7530.122	11043.49	7545.902	6006.654	6047.266	6314.286
5988	CDK17	1864.129	-0.5082	0.121885	-4.1695	3.05E-05	0.000136	2103.295	2484.155	1984.226	1479.9	1475.986	1657.211
23265	TRNAK-UU	6.922235	-0.50837	0.977528	-0.52006	0.603025	0.689078	12.46799	6.02153	6.261582	4.464254	4.278221	8.039836
21270	LOC119621	17.65779	-0.50845	0.605462	-0.83976	0.401041	0.501254	24.39389	18.06459	20.17621	13.39276	12.83466	17.08465
9886	ZNF792	276.0825	-0.5087	0.176222	-2.88672	0.003893	0.010468	325.7939	338.3005	310.9919	200.8914	235.3022	245.215
24518	TRNAL-UA	3.515751	-0.50872	1.550436	-0.32812	0.742824	0.805448	2.710432	5.474118				



4334	DRG1	2984.211	-0.50908	0.099248	-5.12939	2.91E-07	1.78E-06	3711.123	3202.907	3601.801	2441.947	2496.342	2451.145
17998	PDE1A	47.2004	-0.50911	0.379129	-1.34284	0.179324	0.264881	49.87195	61.31012	54.96278	44.64254	34.22577	38.18922
16540	LOC119621	84.47138	-0.50925	0.324713	-1.5683	0.116812	0.187765	119.8011	69.5213	107.8384	75.89232	68.45154	65.32367
25014	OSM	1.701397	-0.50931	2.094984	-0.24311	0.80792	0.858662	2.710432	1.642235	1.391463	4.464254	0	0
9190	LOC103231	308.6991	-0.50941	0.166588	-3.05793	0.002229	0.006447	375.1238	367.3133	347.8657	252.2303	235.3022	274.3594
3948	UGGT2	4964.065	-0.50972	0.094224	-5.4097	6.31E-08	4.25E-07	5689.196	6314.395	5492.103	4176.31	3997.998	4114.386
17359	LOC119621	88.49966	-0.50982	0.354596	-1.43775	0.150504	0.230494	132.8112	60.76271	118.9701	75.89232	64.17332	78.3884
3072	ABCE1	9049.438	-0.50999	0.080847	-6.30809	2.82E-10	2.44E-09	10535.45	11034.18	10326.05	7569.143	7429.131	7402.679
24972	LOC119621	1.663837	-0.51001	2.028938	-0.25137	0.801531	0.853303	1.084173	3.831883	0.695731	2.232127	2.139111	0
18049	MKI67	11964.76	-0.51038	0.382411	-1.33463	0.181996	0.268054	9967.342	21378.62	10832.54	9307.97	9512.625	10789.46
20407	LOC103211	24.03595	-0.51038	0.531613	-0.96006	0.337025	0.439055	24.93597	32.2973	27.13352	26.78552	14.97377	18.08963
9516	LOC103211	353.4622	-0.51042	0.171294	-2.97981	0.002884	0.008058	462.3997	399.6106	385.4352	252.2303	316.5884	304.5088
4197	HSP90AB1	73950.13	-0.51049	0.097794	-5.22004	1.79E-07	1.13E-06	86821.1	93252.7	80630.4	59189.31	57373.09	66434.17
4905	GADD45B	1154.835	-0.51072	0.10773	-4.74073	2.13E-06	1.15E-05	1355.216	1390.973	1328.847	930.797	926.2349	996.9396
23481	TRNAP-UG	6.06577	-0.51079	1.047825	-0.48748	0.625919	0.708661	5.96295	3.831883	11.82743	4.464254	4.278221	6.029877
5733	KIF2A	4280.937	-0.51086	0.118589	-4.3078	1.65E-05	7.65E-05	4655.98	5831.031	4610.612	3415.154	3384.073	3788.773
7038	ZFHX3	2307.962	-0.51103	0.137478	-3.71716	0.000201	0.000761	2379.217	3287.755	2473.325	1872.755	1809.688	2025.034
22780	LOC119621	12.78829	-0.51111	0.857863	-0.5958	0.551309	0.643395	14.63633	20.25424	9.044508	20.08914	10.69555	2.009959
5481	TRIM23	1153.242	-0.51131	0.115742	-4.41763	9.98E-06	4.84E-05	1477.185	1284.776	1305.192	970.9752	915.5394	965.7853
6861	EIPR1	1826.139	-0.51137	0.134837	-3.7925	0.000149	0.000578	2348.86	1892.403	2204.077	1549.096	1277.049	1685.351
12647	LOC103241	391.4993	-0.51143	0.225161	-2.2714	0.023123	0.048606	572.9853	333.3738	471.7059	292.4086	402.1528	276.3694
5477	SUPT20H	2059.425	-0.51144	0.115605	-4.42404	9.69E-06	4.70E-05	2239.901	2746.365	2277.825	1660.702	1677.063	1754.694
24777	LOC103231	2.15836	-0.5116	1.790298	-0.28576	0.775062	0.831574	1.626259	5.474118	0.695731	0	2.139111	3.014938
22563	LOC103241	9.855944	-0.51161	0.811175	-0.6307	0.528239	0.622401	14.09425	10.40082	10.43597	4.464254	10.69555	9.044815
4540	UBE2W	2099.537	-0.51171	0.102657	-4.98466	6.21E-07	3.63E-06	2547.806	2470.47	2387.054	1837.041	1585.081	1769.769
5004	STK24	5222.186	-0.51176	0.109213	-4.68586	2.79E-06	1.48E-05	5877.843	7000.85	5538.022	4323.63	4231.161	4361.611
5870	ELF4	3067.198	-0.51193	0.12102	-4.23013	2.34E-05	0.000106	3235.714	4124.201	3462.655	2482.125	2350.883	2747.614
4568	POP5	2344.832	-0.51197	0.10321	-4.96048	7.03E-07	4.09E-06	2857.879	2510.431	2900.504	1991.057	1901.669	1907.451
3615	DNAJC10	16080.52	-0.51211	0.089484	-5.72296	1.05E-08	7.70E-08	18440.69	20348.39	17930.39	12899.46	13050.71	13813.44
16266	CUNH13orf	74.32571	-0.51214	0.317231	-1.61442	0.106437	0.173959	96.49137	70.06871	96.01093	58.0353	62.03421	63.31371
9809	BRD3OS	841.5762	-0.51221	0.17643	-2.90317	0.003694	0.010012	1168.196	757.0705	1047.771	622.7634	656.707	796.9487
6017	SREK1	8535.903	-0.51222	0.123188	-4.15802	3.21E-05	0.000142	9143.913	12046.34	8916.493	6881.647	7099.708	7127.314
4621	CSDE1	29635.89	-0.51225	0.103787	-4.93563	7.99E-07	4.60E-06	33079.74	39549.41	31902.07	23870.37	23934.51	25479.24
23147	LOC103221	7.187218	-0.51239	0.953832	-0.53719	0.591138	0.67891	6.505036	9.306001	9.044508	6.696381	8.556443	3.014938
5302	KATNBL1	1547.198	-0.51244	0.113478	-4.51575	6.31E-06	3.16E-05	1862.067	1682.744	1907	1299.098	1360.474	1171.806
9232	LOC119621	444.2113	-0.51251	0.168219	-3.04669	0.002314	0.006662	493.8407	600.5108	475.1845	314.7299	385.0399	395.9619
25453	LOC103221	0.825535	-0.51254	2.993798	-0.1712	0.864066	0.902443	1.626259	1.094824	0	2.232127	0	0
6240	EFEMP1	4834.591	-0.51258	0.126407	-4.05502	5.01E-05	0.000214	5119.464	6818.014	5116.408	3805.777	4119.927	4027.958
9042	SDF2	2378.523	-0.51291	0.165407	-3.10088	0.001929	0.005673	3198.852	1994.769	3199.669	1935.254	1865.305	2077.293
15004	LOC119621	133.5997	-0.51299	0.279928	-1.83259	0.066864	0.118474	175.0939	109.4824	185.7603	120.5349	111.2338	99.49297
4253	DYNC2H1	6686.852	-0.51301	0.0989	-5.18714	2.14E-07	1.33E-06	7582.704	8610.24	7402.582	5363.801	5317.829	5843.956
24282	LOC103231	4.303194	-0.51301	1.406552	-0.36473	0.715312	0.783155	1.084173	10.94824	3.478657	0	4.278221	6.029877
6443	PRKAR1A	18746.22	-0.51318	0.129486	-3.96317	7.40E-05	0.000305	19845.78	27056.38	19235.58	15321.32	15123.51	15894.76
22726	MATN1	9.004888	-0.51319	0.848998	-0.60446	0.545538	0.638174	9.215468	14.78012	7.653045	8.928508	6.417332	7.034856
5755	TRMT61B	1680.41	-0.51325	0.119449	-4.29678	1.73E-05	8.00E-05	2161.84	1725.442	2044.059	1345.973	1369.031	1436.116
4876	COPS7B	1364.881	-0.5137	0.108035	-4.75497	1.98E-06	1.08E-05	1572.05	1595.158	1655.145	1064.725	1095.225	1206.98
9256	DUS4L	281.9355	-0.51377	0.168924	-3.04141	0.002355	0.006763	337.7198	315.3092	342.2998	234.3733	226.7457	235.1652
9413	GCDH	577.58	-0.51396	0.171076	-3.0043	0.002662	0.007518	772.4731	543.5799	724.9521	484.3716	423.5439	516.5594
10839	UQCERQ	4146.115	-0.51399	0.19304	-2.66259	0.007754	0.019017	5853.449	3011.312	5766.222	3412.922	3461.081	3371.706
10565	TMEM53	287.0246	-0.51411	0.18835	-2.72954	0.006342	0.015959	346.9353	341.585	329.0809	189.7308	237.4413	277.3743
3624	GART	9581.302	-0.5143	0.089968	-5.71645	1.09E-08	7.98E-08	11081.33	11951.64	10786.62	7805.748	7538.226	8324.245
5739	CUNH5orf	1004.599	-0.51444	0.119474	-4.30584	1.66E-05	7.71E-05	1161.691	1282.038	1104.126	801.3336	817.1403	861.2674
5144	MANBAL	1703.477	-0.51455	0.111708	-4.60619	4.10E-06	2.12E-05	1894.592	2218.66	1900.042	1350.437	1431.065	1426.066
18681	LOC119621	109.4802	-0.51456	0.417912	-1.23126	0.218224	0.310522	165.8784	47.62483	172.5414	107.1421	81.28621	82.40832
4959	MRPS7	2755.985	-0.51474	0.10929	-4.70986	2.48E-06	1.33E-05	3398.339	2865.153	3461.264	2341.501	2288.848	2180.805
5449	LACTB	1235.262	-0.51501	0.115968	-4.44098	8.96E-06	4.37E-05	1419.724	1571.619	1373.374	973.2074	988.2691	1085.378
7868	EXOSC7	886.49	-0.51507	0.149302	-3.44987	0.000561	0.001895	1201.805	880.2382	1051.25	707.5843	678.0981	799.9637
5065	MSL1	4040.429	-0.5152	0.110732	-4.65267	3.28E-06	1.72E-05	4554.068	5299.494	4415.807	3133.906	3219.362	3619.936
3732	TSN	5062.087	-0.51527	0.091843	-5.61028	2.02E-08	1.44E-07	6146.717	5571.557	6148.178	4359.344	4100.675	4046.047
5220	PADI1	1157.731	-0.51537	0.112781	-4.56966	4.89E-06	2.49E-05	1435.445	1273.827	1381.027	924.1006	939.0696	992.9197
6970	SMARCA5	16134.21	-0.5156	0.137554	-3.74833	0.000178	0.000679	16639.34	23821.17	16501.36	13272.23	12875.31	13695.86
18071	LOC119621	47.46942	-0.51563	0.387976	-1.32903	0.183837	0.27045	65.05036	48.71965	52.87558	37.94616	47.06043	33.16432
20215	LOC119611	25.50436	-0.5159	0.518871	-0.99427	0.320092	0.420956	23.30971	33.39212	34.09084	17.85702	19.252	25.12449
16863	LOC103221	85.91	-0.51604	0.341086	-1.51293	0.130298	0.205419	121.4273	70.61612	112.0128	84.82083	49.19955	77.38342
20622	LOC119621	22.34568	-0.51629	0.553387	-0.93297	0.350836	0.452283	26.56223	19.70683	32.69937	15.62489	21.39111	18.08963
7771	FAM216A	763.7612	-0.51643	0.148751	-3.47175	0.000517	0.001769	820.1767	968.9189	900.9721	667.406	699.4892	525.6043
9095	FBXL7	1125.388	-0.51644	0.167413	-3.08485	0.002037	0.005953	1104.772	1688.765	1183.439	892.8508	868.4789	1014.024
7102	VPS33A	742.8473	-0.51658	0.139797	-3.69521	0.00022	0.000822	858.6648	953.044	817.4844	575.8888	562.5861	689.4159
5597	TMEM1611	1065.916	-0.51701	0.11818	-4.37473	1.22E-05	5.78E-05	1259.267	1329.116	1171.612	883.9223	930.5131	821.0682
24080	TRNAA-UG	4.271385	-0.51705	1.31559	-0.39302	0.694304	0.766481	8.131296	2.189647	4.87012	0	6.417332	4.019918
9826	LOC119621	630.2213	-0.51706										



5933	EIF2AK1	1053.767	-0.51719	0.123336	-4.19337	2.75E-05	0.000123	1228.91	1301.745	1197.354	767.8517	877.0354	949.7056
5077	DLGAP5	4325.902	-0.51738	0.111139	-4.64476	3.40E-06	1.78E-05	4860.888	5828.294	4591.131	3486.582	3593.706	3594.812
21229	LOC103215	22.87398	-0.51756	0.611113	-0.84688	0.39706	0.497237	36.86187	14.23271	30.61218	11.16063	19.252	25.12449
19792	TMEM238	40.76187	-0.51759	0.490855	-1.05446	0.291673	0.391781	55.8349	35.03436	53.57132	49.10679	12.83466	38.18922
16594	LOC103241	91.30043	-0.51763	0.332192	-1.55823	0.119178	0.190934	86.19173	145.6115	89.05362	73.66019	91.98176	61.30375
4280	LOC119621	4534.965	-0.51791	0.100228	-5.16732	2.37E-07	1.48E-06	5353.103	5395.291	5281.993	3678.545	3390.49	4110.366
8583	PSMG4	503.8083	-0.51804	0.160197	-3.2338	0.001222	0.003784	653.7562	499.787	624.7668	446.4254	402.1528	395.9619
22194	LOC119621	12.31918	-0.51837	0.748169	-0.69285	0.488406	0.58502	15.7205	17.51718	9.740239	8.928508	14.97377	7.034856
25039	LOC119611	1.276842	-0.51848	2.167986	-0.23915	0.810985	0.86099	1.084173	2.737059	0.695731	0	2.139111	1.004979
3960	CAVIN1	29561.2	-0.51857	0.095966	-5.40365	6.53E-08	4.38E-07	34561.26	36961.25	32937.31	24412.77	22293.81	26200.82
18110	LOC119621	51.87075	-0.51857	0.393112	-1.31914	0.187124	0.274693	61.25576	77.18507	44.52681	35.71403	51.33866	41.20416
3980	RFC4	1881.645	-0.51889	0.096294	-5.38859	7.10E-08	4.74E-07	2262.126	2151.328	2238.168	1558.025	1497.377	1582.843
10417	HNRNP3	4685.615	-0.51889	0.187869	-2.76199	0.005745	0.014662	3988.672	7759.562	4810.287	3749.973	3820.452	3984.744
19872	LOC103215	25.79005	-0.51896	0.496189	-1.04589	0.295614	0.395012	30.35684	30.65506	29.91645	22.32127	21.39111	20.09959
4194	LOC103241	1468.631	-0.51896	0.099364	-5.22282	1.76E-07	1.12E-06	1706.488	1768.688	1713.586	1209.813	1219.293	1193.916
4272	GNPAT	3144.553	-0.519	0.100262	-5.1764	2.26E-07	1.41E-06	3961.567	3418.587	3736.773	2511.143	2534.846	2704.4
23968	TRNAT-AG	3.943666	-0.51916	1.260432	-0.41189	0.680419	0.754712	5.96295	2.737059	5.565851	2.232127	2.139111	5.024897
10257	SFR1	380.0839	-0.51919	0.185415	-2.80015	0.005108	0.013239	490.5882	361.8392	487.7077	325.8905	340.1186	274.3594
5082	FAF2	5491.761	-0.51935	0.111862	-4.64277	3.44E-06	1.80E-05	6148.344	7390.607	5874.06	4341.487	4419.403	4776.667
9114	CCDC30	517.355	-0.51945	0.168683	-3.07944	0.002074	0.006049	551.3018	727.5103	546.1491	437.4969	457.7697	383.9022
4558	PPRC1	3164.532	-0.5195	0.104579	-4.96752	6.78E-07	3.96E-06	3650.952	4010.339	3530.141	2544.625	2432.169	2818.967
12589	RHBDL1	176.5167	-0.51963	0.227317	-2.28593	0.022259	0.047005	215.7504	172.4347	237.2444	149.5525	128.3466	155.7718
3950	ANKS6	2226.605	-0.51994	0.096119	-5.40933	6.33E-08	4.26E-07	2673.028	2559.698	2640.996	1841.505	1730.541	1911.471
10392	TARBP2	882.424	-0.52016	0.187944	-2.76764	0.005646	0.014444	1252.762	782.7989	1088.82	709.8164	601.0901	859.2574
4739	PTDSS1	1760.006	-0.5202	0.107097	-4.85728	1.19E-06	6.68E-06	2210.628	1966.851	2046.146	1506.686	1343.361	1486.365
8119	LOC103215	764.3165	-0.52023	0.154248	-3.37272	0.000744	0.002437	1024.543	739.0059	941.3245	618.2992	590.3945	672.3313
23427	LOC119621	8.315197	-0.52025	1.050122	-0.49542	0.620307	0.703895	14.63633	8.758589	6.957314	4.464254	0	15.07469
7905	PPM1H	418.3193	-0.52055	0.151469	-3.43666	0.000589	0.001981	484.0831	535.9162	459.1827	350.4439	331.5622	348.7279
7374	PGAM5	3615.614	-0.52057	0.144262	-3.60853	0.000308	0.00111	4873.899	3385.742	4528.515	2955.336	2641.802	3308.392
5482	HDAC4	1034.195	-0.52115	0.11798	-4.41726	1.00E-05	4.85E-05	1212.647	1197.737	1253.012	828.1191	785.0536	928.601
19528	LOC103241	31.21484	-0.52125	0.475604	-1.09598	0.273089	0.371778	30.89892	44.34036	36.17803	22.32127	21.39111	32.15934
6149	CCDC14	4367.437	-0.52131	0.127244	-4.0969	4.19E-05	0.000181	4617.492	6196.702	4628.005	3676.313	3578.732	3507.378
6701	PIGF	1458.337	-0.52147	0.135305	-3.85403	0.000116	0.000461	1858.272	1408.491	1890.302	1218.741	1189.346	1184.871
19393	LOC119621	32.38622	-0.52157	0.466339	-1.11845	0.263377	0.361051	47.16151	31.20247	36.17803	31.24978	21.39111	27.13445
4769	VPS25	2164.489	-0.52166	0.107983	-4.83094	1.36E-06	7.58E-06	2719.647	2426.129	2516.46	1694.184	1689.897	1940.615
8865	LOC119621	316.4233	-0.52204	0.165568	-3.15303	0.001616	0.004846	391.9284	380.9986	345.7785	274.5516	245.9977	259.2847
4826	G3BP2	15058.58	-0.52207	0.108858	-4.79584	1.62E-06	8.92E-06	16429.55	20527.4	16302.38	12490.98	12488.13	12113.02
4494	NAA15	9502.676	-0.52208	0.104136	-5.01341	5.35E-07	3.16E-06	10596.16	12707.07	10308.65	7653.963	7792.78	7957.427
5210	BICC1	41962.83	-0.5222	0.114176	-4.57364	4.79E-06	2.45E-05	45752.09	57692.83	44985.29	34187.26	32572.24	36587.28
5406	RNF115	1175.379	-0.52225	0.117085	-4.46041	8.18E-06	4.02E-05	1361.721	1517.426	1279.45	944.1897	962.5998	986.8898
4198	TUFM	11896.16	-0.52227	0.100064	-5.2193	1.80E-07	1.14E-06	13814.53	15214.22	13056.09	9758.859	9046.299	10486.96
8291	LOC103241	482.296	-0.52232	0.15751	-3.31608	0.000913	0.002927	632.0727	516.2093	553.8022	399.5507	436.3786	355.7627
5791	OSBPL1A	5441.634	-0.52233	0.122042	-4.2799	1.87E-05	8.58E-05	5959.155	7530.197	5761.351	4118.274	4624.757	4656.07
21767	LOC119611	16.12221	-0.52236	0.682747	-0.76509	0.444218	0.542544	19.51511	19.70683	16.69755	13.39276	21.39111	6.029877
3508	RPL7L1	9967.638	-0.52239	0.089316	-5.84881	4.95E-09	3.75E-08	12471.78	10973.96	11816.3	7912.89	8214.185	8416.703
5296	KLHL11	944.1356	-0.52253	0.115611	-4.5197	6.19E-06	3.11E-05	1161.149	1103.582	1071.426	812.4942	776.4972	739.6649
8479	KIN	847.3838	-0.52266	0.160318	-3.26012	0.001114	0.003492	913.9576	1236.056	848.7923	680.7987	678.0981	726.6002
18419	KCNIP3	48.89456	-0.52266	0.414242	-1.26172	0.207048	0.298824	63.96619	43.79295	63.31155	49.10679	47.06043	26.12947
5686	ERH	7245.578	-0.52268	0.120635	-4.33278	1.47E-05	6.88E-05	9212.216	7058.875	9358.283	6198.617	5955.284	5690.194
3894	STARD7	7924.403	-0.52299	0.09597	-5.44947	5.05E-08	3.45E-07	9266.966	10156.13	8615.937	6424.061	6316.794	6766.527
6305	CCDC88A	7816.674	-0.52308	0.12999	-4.02399	5.72E-05	0.000241	8374.15	11233.44	8049.612	6278.973	6252.62	6711.253
5480	SDAD1	2703.023	-0.52309	0.118341	-4.42018	9.86E-06	4.78E-05	3028.094	3671.491	2865.718	2200.877	2145.528	2306.428
4992	ZNFB39	1160.661	-0.52318	0.111491	-4.69259	2.70E-06	1.44E-05	1335.701	1468.158	1303.105	950.8861	943.3478	962.7703
4990	NIPA2	2265.45	-0.52337	0.111473	-4.69508	2.67E-06	1.42E-05	2904.499	2448.026	2669.521	1774.541	1786.157	2009.959
4897	SBNO1	5333.062	-0.52355	0.110369	-4.74367	2.10E-06	1.14E-05	6063.778	7146.461	5663.253	4361.576	4192.657	4570.647
14717	ERFL	135.6109	-0.52362	0.27752	-1.88677	0.059191	0.106923	137.1479	208.0165	134.2762	131.6955	91.98176	110.5477
9134	LOC103241	359.0997	-0.52378	0.170543	-3.07123	0.002132	0.006205	446.1371	399.0632	430.6577	256.6946	282.3626	339.6831
8225	SMC4	17828.16	-0.52382	0.156867	-3.33928	0.00084	0.002715	17651.96	27854.5	17582.52	14218.65	14836.87	14824.45
5201	DGKD	3355.892	-0.52387	0.114419	-4.57852	4.68E-06	2.39E-05	4174.607	3830.24	3881.485	2573.642	2517.733	3157.645
4078	MRPL37	4864.931	-0.52389	0.098572	-5.31479	1.07E-07	6.96E-07	5671.85	6074.081	5477.493	3933.008	3717.774	4315.382
6323	RNF135	760.1001	-0.52425	0.130578	-4.01482	5.95E-05	0.00025	980.6342	865.4581	847.4008	607.1385	594.6728	665.2964
5063	GGPS1	1455.592	-0.52446	0.112698	-4.65372	3.26E-06	1.71E-05	1811.111	1548.628	1792.9	1214.277	1163.676	1202.96
5972	LOC119621	1577.764	-0.52447	0.125589	-4.17613	2.97E-05	0.000132	1817.074	2126.695	1641.926	1310.259	1229.989	1340.643
4327	MYO19	2957.643	-0.52449	0.102176	-5.13319	2.85E-07	1.75E-06	3659.083	3358.371	3459.176	2328.108	2290.988	2650.131
3779	SMAD5	4312.408	-0.52451	0.094231	-5.56617	2.60E-08	1.83E-07	5043.029	5410.618	4809.591	3379.44	3694.244	3537.528
8409	WNT7A	382.8445	-0.52484	0.160054	-3.27914	0.001041	0.003292	478.6623	448.8777	425.0919	354.9082	293.0582	296.4689
3545	LOC103241	53875.61	-0.52484	0.090369	-5.80777	6.33E-09	4.75E-08	63716.29	66117.49	60882.06	41901.49	42715.9	47920.44
8396	E2F2	416.1046	-0.52485	0.159873	-3.28292	0.001027	0.003253	545.3389	437.9295	491.8821	328.1227	331.5622	361.7926
10530	LOC119621	329.7236	-0.52486	0.191669	-2.73834	0.006175	0.015591	318.7468	464.2052	382.6523	287.9444	269.5279	255.2648
17746	LOC119621	64.48118	-0.52486	0.381317	-1.37644	0.168686	0.252436	93.23886	56.93083	77.22618	75.89232	36.36488	47.23404
14058	LOC103241	115.355	-0.52487	0.262166	-2.002								



3130	ATP5PD	7383.817	-0.52543	0.084161	-6.24315	4.29E-10	3.64E-09	8896.721	8297.121	8944.323	6138.349	6122.135	5904.254
18198	LOC103225	43.0156	-0.52564	0.403626	-1.30229	0.192817	0.281682	54.75072	45.98259	51.48412	26.78552	44.92132	34.1693
15022	LOC103245	96.63389	-0.52572	0.287425	-1.82908	0.067387	0.119257	110.0435	128.0944	102.2725	73.66019	98.39909	67.33362
4597	TTC21B	2345.74	-0.52588	0.106365	-4.94413	7.65E-07	4.42E-06	2787.408	2998.722	2515.765	1959.807	1961.564	1851.172
13296	APOBEC3D	209.7315	-0.52592	0.244797	-2.1484	0.031682	0.063348	202.7403	320.2359	219.8511	140.624	201.0764	173.8614
3765	TTC26	2030.828	-0.526	0.094277	-5.57932	2.41E-08	1.71E-07	2473.54	2390	2326.526	1683.024	1655.672	1656.206
4080	TLL12	4488.67	-0.52628	0.099054	-5.31303	1.08E-07	7.03E-07	5337.924	5372.847	5193.635	3620.51	3369.099	4038.008
4995	NUP160	2404.796	-0.52654	0.11225	-4.69074	2.72E-06	1.45E-05	2943.529	2850.921	2731.441	1774.541	1912.365	2215.98
4863	WDR19	2452.55	-0.5269	0.11056	-4.76577	1.88E-06	1.03E-05	2931.603	3033.209	2730.05	1933.022	1850.331	2237.084
5273	ABLIM1	1150.383	-0.52713	0.116217	-4.53572	5.74E-06	2.89E-05	1324.859	1459.947	1291.973	874.9938	979.7127	970.8102
4659	RTCB	3728.609	-0.52741	0.107337	-4.91358	8.94E-07	5.10E-06	4883.656	4040.447	4288.488	3024.532	2898.495	3236.034
22394	P2RX3	11.08312	-0.52758	0.801079	-0.65859	0.510158	0.605633	11.38381	15.87494	11.1317	13.39276	10.69555	4.019918
10157	LOC119627	347.6427	-0.52763	0.186845	-2.82391	0.004744	0.012417	479.2044	332.279	420.9175	270.0874	290.9191	292.449
5859	RANBP17	1599.369	-0.52768	0.124535	-4.23723	2.26E-05	0.000103	2014.393	1659.205	1987.009	1337.044	1409.674	1188.891
9438	LOC103214	400.4193	-0.52778	0.175968	-2.99931	0.002706	0.007622	414.154	556.7178	445.9638	312.4978	363.6488	309.5337
8653	CCDC149	417.7968	-0.52784	0.164198	-3.21464	0.001306	0.004013	441.2583	553.4333	487.7077	352.6761	305.8928	365.8125
5730	LIN9	765.4963	-0.52791	0.122506	-4.30929	1.64E-05	7.60E-05	872.7591	934.432	905.8422	584.8173	660.9852	634.142
5864	CLDN2	1414.01	-0.52791	0.124648	-4.23524	2.28E-05	0.000104	1562.835	1861.748	1591.138	1091.51	1099.503	1277.329
17218	F12	72.7006	-0.52798	0.360388	-1.46503	0.142914	0.220662	102.4543	56.38342	98.09812	73.66019	51.33866	54.26889
3653	COL6A1	27067.3	-0.52803	0.092711	-5.69544	1.23E-08	8.96E-08	30653.9	33555.25	31696.83	22336.89	20392.14	23768.77
20371	LOC103222	22.89207	-0.52827	0.546903	-0.96593	0.334081	0.43599	28.73058	32.84471	19.48048	20.08914	17.11289	19.09461
20148	CRNAM	24.13367	-0.52827	0.5262	-1.00394	0.315408	0.41617	22.76763	33.93953	28.52499	20.08914	21.39111	18.08963
22479	TRNAT-UG	10.73938	-0.5283	0.823154	-0.6418	0.521003	0.616132	11.38381	11.49565	15.30609	2.232127	14.97377	9.044815
8415	ESF1	2931.706	-0.52841	0.161225	-3.27749	0.001047	0.003309	2977.68	4552.277	2857.369	2417.394	2393.665	2391.851
6284	TEAD4	635.7374	-0.52843	0.130929	-4.03598	5.44E-05	0.00023	738.8637	781.1567	736.7795	486.6037	511.2474	559.7736
6178	USP31	1298.826	-0.52852	0.129294	-4.08775	4.36E-05	0.000187	1510.795	1657.563	1441.555	1024.546	945.4869	1213.01
5163	MIS12	1075.259	-0.52859	0.115005	-4.59624	4.30E-06	2.22E-05	1324.859	1197.737	1283.624	933.0291	879.1745	833.128
20455	LOC119625	22.59197	-0.52867	0.554745	-0.953	0.340592	0.442648	31.44101	27.918	21.56767	13.39276	17.11289	24.11951
6563	MTFR2	512.7966	-0.52909	0.135145	-3.915	9.04E-05	0.000366	595.2108	602.153	621.9838	404.015	419.2657	434.1511
10453	RBX1	2440.305	-0.52944	0.192189	-2.7548	0.005873	0.014935	3405.387	1820.692	3422.998	2051.325	1995.79	1945.64
9356	NFKBIB	258.6621	-0.52951	0.175499	-3.01715	0.002552	0.00725	295.4371	318.0463	304.7303	200.8914	211.772	221.0955
9952	WBP4	673.3283	-0.52968	0.184281	-2.87429	0.004049	0.010817	668.9346	1034.061	683.2082	513.3892	594.6728	545.7039
7567	CUNH17or	614.5029	-0.52971	0.149825	-3.53551	0.000407	0.00143	783.8569	623.5021	774.349	486.6037	477.0217	541.6839
14934	FBXO43	107.9161	-0.52975	0.286716	-1.84765	0.064653	0.115092	130.6428	124.8099	123.8402	91.51721	13.3729	63.31371
7483	LOC103215	866.0661	-0.5298	0.148448	-3.56895	0.000358	0.001273	1032.675	1180.22	854.3581	696.4236	759.3843	673.3362
23838	LOC119625	4.245448	-0.53001	1.227492	-0.43178	0.665902	0.742638	5.96295	3.284471	5.565851	2.232127	6.417332	2.009959
5470	CUNH15or	1015.361	-0.53039	0.119768	-4.42845	9.49E-06	4.61E-05	1119.408	1251.383	1225.879	808.03	900.5656	786.8989
9990	PEX7	457.2655	-0.53051	0.185267	-2.86348	0.00419	0.011151	626.1098	444.4984	547.5406	448.6575	340.1186	336.6681
22746	LOC103213	10.31478	-0.53062	0.882354	-0.60137	0.547596	0.640018	12.46799	4.379295	19.48048	6.696381	12.83466	6.029877
3612	PPARG	2832.558	-0.53091	0.092696	-5.72741	1.02E-08	7.51E-08	3361.478	3484.824	3200.364	2258.913	2305.961	2383.811
4610	CCT3	15555.76	-0.53103	0.107521	-4.93887	7.86E-07	4.53E-06	19461.98	15745.75	19954.97	12649.46	12533.05	12989.36
21694	LOC103226	17.69836	-0.53111	0.682596	-0.77808	0.436524	0.53494	20.0572	15.87494	25.74206	26.78552	10.69555	7.034856
12462	LOC119625	150.0269	-0.53114	0.230127	-2.308	0.020999	0.044797	184.3094	175.1718	171.1499	109.3742	147.5986	112.5577
8407	MLYCD	701.6261	-0.53119	0.161944	-3.28007	0.001038	0.003282	948.6511	679.3381	864.0984	513.3892	571.1425	633.1371
24920	LOC119625	1.696202	-0.53128	2.035684	-0.26098	0.794107	0.847178	1.084173	0.547412	4.174388	2.232127	2.139111	0
8837	SLC22A17	601.8384	-0.53136	0.168101	-3.16095	0.001573	0.004731	784.9411	582.9936	770.8704	484.3716	432.1004	555.7536
5214	RNFT1	1541.999	-0.53158	0.116249	-4.57279	4.81E-06	2.45E-05	1876.703	1639.498	1950.135	1229.902	1349.779	1205.975
4114	GTF2A2	1766.21	-0.53169	0.100618	-5.2842	1.26E-07	8.16E-07	2015.477	2068.122	2179.031	1515.614	1398.978	1420.036
4461	SRI	2534.842	-0.53175	0.10561	-5.035	4.78E-07	2.85E-06	3114.828	2745.818	3126.617	2011.146	2226.814	1983.829
5503	AARS2	2419.871	-0.53179	0.120611	-4.40915	1.04E-05	5.01E-05	3129.465	2605.133	2855.977	1912.933	1794.714	2221.005
3277	CCT4	10771.12	-0.53183	0.087756	-6.06027	1.36E-09	1.10E-08	13497.95	12023.35	12685.27	8814.669	8509.382	9096.069
5353	ABRAXAS2	1371.724	-0.53185	0.118505	-4.48804	7.19E-06	3.57E-05	1505.916	1820.692	1537.566	1127.224	1129.45	1109.497
4573	ARIH2	3068.512	-0.53188	0.107263	-4.95862	7.10E-07	4.13E-06	3766.416	3636.457	3489.789	2428.554	2290.988	2798.868
4892	FOXK1	4662.748	-0.53188	0.112072	-4.74588	2.08E-06	1.13E-05	5582.405	5285.261	5677.864	3957.561	3268.561	4204.834
5975	NBDY	1087.568	-0.5319	0.127394	-4.17526	2.98E-05	0.000132	1254.93	1416.154	1191.788	850.4404	834.2532	977.845
4690	RIF1	9539.006	-0.53193	0.10877	-4.89039	1.01E-06	5.70E-06	10690.49	12910.16	10235.6	7515.572	7782.085	8100.135
5464	LSR	882.6635	-0.53197	0.120014	-4.43256	9.31E-06	4.53E-05	1019.664	1021.47	1092.994	738.834	665.2634	757.7545
19272	LOC103230	35.62164	-0.53204	0.466228	-1.14116	0.253804	0.350135	43.909	41.6033	38.96096	37.94616	34.22577	17.08465
10467	NLGN2	290.505	-0.53216	0.193346	-2.75236	0.005917	0.015028	307.363	409.464	315.862	225.4448	224.6066	260.2897
24576	LOC103238	2.125322	-0.53238	1.664988	-0.31975	0.749156	0.810397	3.794605	2.189647	1.391463	2.232127	2.139111	1.004979
6369	FAM83D	1167.475	-0.53243	0.133254	-3.99557	6.45E-05	0.000269	1417.014	1399.732	1333.717	897.315	838.5314	1118.542
4949	LOC103235	2318.273	-0.53251	0.112964	-4.71393	2.43E-06	1.31E-05	2699.048	2950.55	2581.859	1845.969	1734.819	2097.392
5439	TRAPPC13	1208.632	-0.53257	0.119825	-4.44454	8.81E-06	4.31E-05	1504.832	1283.681	1500.693	928.5648	1031.051	1002.97
4833	TIMM9	1775.544	-0.53285	0.111154	-4.79383	1.64E-06	9.00E-06	2038.787	2018.307	2235.385	1520.078	1525.186	1315.518
22295	LOC119618	10.27997	-0.53288	0.789287	-0.67514	0.499585	0.595715	14.09425	11.49565	10.43597	8.928508	10.69555	6.029877
18692	LOC119620	37.00113	-0.53302	0.433252	-1.23027	0.218595	0.3109	46.61943	36.12918	49.39693	29.01765	25.66933	35.17428
5948	PRKCE	745.4317	-0.53308	0.12733	-4.18662	2.83E-05	0.000127	893.9004	907.6088	848.0965	595.9779	564.7252	662.2815
4469	TOMM20	5255.999	-0.53319	0.106007	-5.02974	4.91E-07	2.92E-06	6364.094	5458.791	6827.908	4299.077	4237.578	4348.546
8013	LOC103222	457.9909	-0.53332	0.15648	-3.40823	0.000654	0.002169	510.6454	561.6445	547.5406	388.3901	417.1266	322.5984
6325	LOC103227	1858.279	-0.53334	0.132865	-4.01417	5.97E-05	0.000251	2011.14	2627.029	1954.309	1508.918	1550.855	1497.419
19772	LOC119625</												



23634	LOC119615	4.721004	-0.53412	1.151793	-0.46373	0.642842	0.723122	4.878777	8.211177	3.478657	4.464254	4.278221	3.014938
5841	GGACT	765.2817	-0.5342	0.1256	-4.2532	2.11E-05	9.59E-05	860.8332	942.0957	917.6697	609.3707	590.3945	671.3263
7473	CEP76	513.8795	-0.53423	0.149586	-3.57136	0.000355	0.001263	616.8943	600.5108	611.5479	354.9082	432.1004	467.3155
8992	LCA5	409.341	-0.53423	0.171268	-3.11927	0.001813	0.00536	434.2112	568.7609	452.2254	319.1942	320.8666	360.7876
4575	GATC	1485.98	-0.53427	0.107769	-4.95757	7.14E-07	4.15E-06	1724.377	1888.023	1664.189	1183.027	1200.041	1256.224
7362	JARID2	804.8908	-0.53448	0.147938	-3.61288	0.000303	0.001093	889.0216	1091.539	881.4916	580.353	650.2896	736.65
9491	MRPL21	1165.003	-0.53456	0.179008	-2.98624	0.002824	0.007911	1629.512	971.656	1536.175	948.654	892.0091	1012.014
6380	CCND3	2757.467	-0.53501	0.134177	-3.98733	6.68E-05	0.000278	3578.312	2848.184	3371.514	2107.128	2008.625	2631.036
19515	EPHX3	27.69412	-0.53503	0.486915	-1.09881	0.271852	0.370365	29.27266	38.31883	30.61218	22.32127	23.53022	22.10955
6309	JUNB	2972.246	-0.53514	0.133066	-4.02162	5.78E-05	0.000244	3666.672	2966.425	3919.751	2685.249	2124.137	2471.245
23735	LOC119627	4.658939	-0.53595	1.197287	-0.44764	0.654415	0.732995	4.878777	4.926706	6.261582	4.464254	6.417332	1.004979
22168	LOC103247	12.08079	-0.53609	0.769377	-0.69679	0.485936	0.582759	19.51511	15.32753	7.653045	13.39276	8.556443	8.039836
23207	LOC119620	7.23126	-0.53614	1.014729	-0.52836	0.597252	0.684188	5.96295	8.211177	11.1317	2.232127	12.83466	3.014938
19800	LOC119627	27.50971	-0.53614	0.508886	-1.05356	0.292083	0.392173	37.94605	33.93953	25.04633	20.08914	29.94755	18.08963
24657	TRNAA-AG	2.165545	-0.5362	1.748388	-0.30669	0.759083	0.818438	3.794605	1.642235	2.087194	4.464254	0	1.004979
4861	MCM8	2009.753	-0.53653	0.112426	-4.77234	1.82E-06	9.96E-06	2312.54	2629.766	2199.207	1546.864	1638.559	1731.58
5956	TAF10	3509.737	-0.53654	0.128238	-4.18396	2.86E-05	0.000128	3826.046	4937.655	3704.77	2819.176	2699.558	3071.217
11645	LOC119620	210.1959	-0.53663	0.21618	-2.48233	0.013053	0.029799	214.6662	292.3179	237.2444	194.195	168.9897	153.7619
14486	LOC103240	166.4726	-0.53675	0.278439	-1.92771	0.053891	0.098903	235.8076	126.4521	228.1999	136.1597	147.5986	124.6175
7684	TBC1D19	476.8532	-0.53676	0.153474	-3.49736	0.00047	0.001626	593.5846	608.7219	492.5778	379.4616	380.7617	406.0117
24314	TRNAS-GCI	2.591244	-0.53682	1.493509	-0.35944	0.719269	0.786451	3.794605	3.284471	2.087194	2.232127	2.139111	2.009959
6254	SORT1	1883.667	-0.5369	0.132631	-4.04809	5.16E-05	0.00022	2139.073	2518.094	2041.276	1397.311	1437.482	1768.764
18401	LOC119627	63.99639	-0.53699	0.424715	-1.26436	0.206099	0.297764	65.05036	112.2194	48.00546	62.49956	62.03421	34.1693
5027	MIF4GD	1934.24	-0.53709	0.114914	-4.67382	2.96E-06	1.56E-05	2213.881	2460.069	2204.077	1542.4	1435.343	1749.669
21656	LOC103216	19.72969	-0.53711	0.686238	-0.78268	0.433813	0.532477	28.18849	12.04306	29.22072	8.928508	29.94755	10.04979
22370	DPY19L2	14.53809	-0.53721	0.809516	-0.66361	0.506938	0.602457	20.59928	13.13788	16.69755	13.39276	21.39111	2.009959
4290	NPEPPS	5656.979	-0.53745	0.1041	-5.1628	2.43E-07	1.51E-06	6543.525	7339.698	6216.36	4236.577	4795.886	4809.832
5710	LOC103215	2396.877	-0.53759	0.124424	-4.3206	1.56E-05	7.24E-05	2648.634	3334.285	2530.375	1966.504	1982.956	1918.506
4794	ASCC1	1042.889	-0.53762	0.111593	-4.81764	1.45E-06	8.06E-06	1243.546	1262.879	1199.441	801.3336	889.87	860.2624
5124	CDC26	1461.672	-0.53775	0.116484	-4.6165	3.90E-06	2.02E-05	1668	1920.321	1601.574	1187.492	1244.962	1147.687
7435	RGS2	531.263	-0.53781	0.149965	-3.58624	0.000335	0.0012	569.7328	707.8035	611.5479	441.9611	404.2919	452.2408
17744	LOC103225	55.9114	-0.53782	0.390475	-1.37735	0.168404	0.252319	75.89209	71.16354	52.87558	26.78552	53.47777	55.27387
4229	PIGRMC1	4072.004	-0.53782	0.103457	-5.19853	2.01E-07	1.26E-06	5220.292	4391.338	4861.075	3198.638	3232.196	3528.483
3641	PP5K1A	6777.602	-0.53784	0.094318	-5.70247	1.18E-08	8.62E-08	7815.259	8694.542	7572.34	5602.639	5283.603	5697.229
4288	NIT1	1323.672	-0.53795	0.104187	-5.16327	2.43E-07	1.50E-06	1592.65	1582.02	1532	1044.635	1063.138	1127.587
24254	LOC103248	2.960074	-0.53806	1.462436	-0.36792	0.71293	0.781475	5.420864	2.737059	2.087194	2.232127	4.278221	1.004979
4590	GABPA	2399.693	-0.53815	0.108748	-4.94862	7.47E-07	4.33E-06	2706.637	3163.493	2656.998	1879.451	2010.764	1980.815
19449	LOC119615	34.84577	-0.53826	0.484772	-1.11034	0.266852	0.364803	44.99317	39.96106	36.87376	37.94616	34.22577	15.07469
21954	LOC119628	14.12644	-0.53831	0.732037	-0.73535	0.462125	0.559606	21.68345	14.23271	13.2189	15.62489	14.97377	5.024897
22315	SIM2	10.45484	-0.53831	0.800252	-0.67267	0.501156	0.597053	14.09425	10.40082	12.52316	13.39276	4.278221	8.039836
3535	OSBPL3	3245.344	-0.53851	0.092505	-5.82137	5.84E-09	4.39E-08	3788.1	4049.753	3697.117	2656.231	2558.376	2722.489
15725	LOC103220	106.8518	-0.53859	0.31434	-1.7134	0.086639	0.146473	111.1277	144.5167	121.0573	127.2312	74.86887	62.30873
9250	ZNHIT6	892.2279	-0.53865	0.177031	-3.04269	0.002345	0.006739	886.8533	1358.676	928.1056	647.3168	729.4367	802.9786
24000	LOC119620	3.809571	-0.53867	1.32523	-0.40647	0.684394	0.758109	2.710432	4.926706	5.565851	2.232127	6.417332	1.004979
3281	NUP155	6051.124	-0.5387	0.088936	-6.05717	1.39E-09	1.12E-08	7318.166	7309.59	6882.87	4803.537	4761.66	5230.918
8753	LOC119627	305.974	-0.53872	0.168988	-3.18788	0.001433	0.004353	375.1238	367.3133	347.8657	243.3018	228.8848	273.3544
5565	GIN52	756.4199	-0.53886	0.122803	-4.388	1.14E-05	5.47E-05	847.8231	943.1906	895.4063	633.9241	618.203	599.9727
6435	KLHL26	687.9265	-0.53893	0.135874	-3.96635	7.30E-05	0.000302	841.318	728.6051	876.6215	573.6566	530.4994	576.8582
5759	NUCKS1	30274.85	-0.53909	0.125476	-4.29634	1.74E-05	8.02E-05	32601.07	43329.83	31671.08	24127.06	23731.29	26188.76
6002	LOC103235	3075.244	-0.53934	0.129546	-4.16331	3.14E-05	0.000139	3284.501	4379.295	3264.372	2573.642	2515.594	2434.06
20632	LOC119618	21.03931	-0.53938	0.579552	-0.93069	0.352014	0.453582	26.56223	27.37059	20.17621	13.39276	25.66933	13.06473
4759	LOC119620	5967.264	-0.5395	0.111507	-4.83827	1.31E-06	7.32E-06	6442.697	8162.458	6604.578	4953.09	4793.747	4847.016
3143	SLC20A1	17459.37	-0.53952	0.08665	-6.22644	4.77E-10	4.04E-09	21134.32	20975.73	19957.75	13912.85	13566.24	15209.36
3036	PSME1	7208.901	-0.53962	0.084885	-6.35709	2.06E-10	1.80E-09	8485.82	8213.367	8922.755	5868.262	6040.849	5722.353
7285	PRKCZ	437.3302	-0.53966	0.148318	-3.63856	0.000274	0.001001	505.7666	551.7911	498.1437	328.1227	374.3444	365.8125
6370	DIS3	3037.082	-0.53982	0.135115	-3.99526	6.46E-05	0.00027	3194.515	4401.191	3198.973	2504.446	2496.342	2427.025
8864	LOC103245	449.4118	-0.54018	0.1713	-3.15341	0.001614	0.00484	602.8	485.5543	514.8412	332.5869	331.5622	429.1262
6395	KTN1	23541.87	-0.54032	0.135707	-3.98153	6.85E-05	0.000285	24744.07	34859.73	24095.96	18669.51	19046.64	19835.28
3613	ZNF207	11253.43	-0.54033	0.094372	-5.72556	1.03E-08	7.59E-08	13235.04	14471.38	12306.79	9033.418	8928.648	9545.295
8793	CBX5	4277.799	-0.54055	0.170207	-3.17582	0.001494	0.004517	4075.405	6863.997	4270.399	3573.635	3349.847	3533.508
20608	LOC103245	20.16633	-0.54072	0.577896	-0.93568	0.349439	0.450788	26.56223	22.44388	23.65487	13.39276	12.83466	22.10955
20231	LOC119625	27.04516	-0.54082	0.545916	-0.99066	0.321852	0.422937	31.9831	26.82318	36.17803	17.85702	36.36488	13.06473
7772	ATF7IP2	439.5268	-0.54088	0.155805	-3.47154	0.000517	0.00177	524.7396	544.1273	491.8821	325.8905	412.8484	337.6731
22790	LOC119620	10.55106	-0.54091	0.91045	-0.59411	0.552438	0.64443	15.17842	15.87494	7.653045	2.232127	4.278221	18.08963
4098	CUNH8orf	1642.158	-0.54145	0.102214	-5.29722	1.18E-07	7.63E-07	1872.366	2059.363	1906.304	1372.758	1332.666	1309.488
7806	LOC103247	635.1021	-0.54154	0.156354	-3.46354	0.000533	0.001815	657.5508	892.2813	709.646	486.6037	536.9168	527.6142
24484	LOC119627	2.643549	-0.54158	1.624674	-0.33335	0.738871	0.802274	1.084173	2.737059	5.565851	4.464254	0	2.009959
10509	TGFB3	220.488	-0.54174	0.197512	-2.74281	0.006092	0.01541	241.2284	294.5076	248.3761	167.4095	192.52	178.8863
4504	TMCC1	2599.466	-0.54175	0.108159	-5.00882	5.48E-07	3.23E-06	2969.549	3397.785	2883.111	2024.539	2070.659	2251.154
5672	CHD3	9211.153	-0.54209	0.124946	-4.33858	1.43E-05	6.72E-05	9920.181	13073.29	9775.026	7281.198	7204.525	8012.701</



6126	SETD4	1247.613	-0.54314	0.132285	-4.1058	4.03E-05	0.000175	1691.852	1299.008	1450.6	941.9576	1046.025	1056.233
17455	MRGPRF	74.0331	-0.5432	0.383085	-1.41796	0.156201	0.237902	102.9964	49.26706	110.6213	71.42806	55.61688	54.26889
4901	ZNF460	2751.395	-0.54355	0.114642	-4.74131	2.12E-06	1.15E-05	3184.757	3570.767	3043.129	2154.003	2066.381	2489.334
3835	DR1	2898.763	-0.54361	0.098693	-5.5081	3.63E-08	2.51E-07	3376.114	3719.663	3219.149	2390.608	2327.352	2359.692
4542	RRP7A	1501.508	-0.54364	0.109077	-4.98398	6.23E-07	3.65E-06	1889.171	1678.912	1778.289	1140.617	1257.797	1264.264
9253	SGK1	406.5109	-0.54365	0.1787	-3.04225	0.002348	0.006747	412.5277	544.1273	494.665	292.4086	314.4493	380.8872
4908	LOC1032323	1450.173	-0.54375	0.114727	-4.73949	2.14E-06	1.16E-05	1812.195	1616.507	1735.154	1241.063	1060.999	1235.12
5798	SHROOM2	895.964	-0.54395	0.127251	-4.27462	1.91E-05	8.78E-05	1053.274	1052.126	1089.515	732.1376	641.7332	806.9985
6145	BBIP1	1082.885	-0.54395	0.132687	-4.0995	4.14E-05	0.000179	1250.593	1462.137	1137.521	892.8508	924.0958	830.113
4322	TRA2B	10183.46	-0.54432	0.105878	-5.14098	2.73E-07	1.68E-06	11231.49	13782.73	11232.58	8035.657	8438.792	8379.519
5708	SRP72	3537.077	-0.54452	0.125971	-4.32255	1.54E-05	7.18E-05	3853.692	4995.133	3743.035	2888.372	2759.453	2982.779
23159	LOC119621	6.464998	-0.54468	0.1016096	-0.53605	0.591923	0.679488	10.84173	6.568942	5.565851	2.232127	8.556443	5.024897
4679	INTS1	9790.282	-0.54477	0.111232	-4.8976	9.70E-07	5.51E-06	11956.26	10375.1	12527.34	8028.961	7148.908	8705.132
20368	LOC119615	21.57613	-0.54504	0.563997	-0.96639	0.333847	0.435728	23.8518	29.01283	22.95914	22.32127	19.252	12.05975
5278	PARP1	7798.686	-0.5451	0.120247	-4.53319	5.81E-06	2.93E-05	8886.422	10637.31	8245.808	6343.705	5743.512	6935.363
5033	CHD1L	2438.47	-0.54542	0.116748	-4.67174	2.99E-06	1.58E-05	2809.634	3289.945	2583.946	1991.057	1908.087	2048.148
4028	LOC103245	1697.776	-0.54561	0.101946	-5.35194	8.70E-08	5.74E-07	2044.208	1920.321	2076.758	1441.954	1381.865	1321.548
18122	LRNAL-CA	51.64428	-0.54565	0.414248	-1.31722	0.187766	0.27546	68.30288	40.50847	76.53045	40.17829	32.08666	52.25893
23370	LOC119615	5.625681	-0.54598	1.084373	-0.5035	0.614616	0.699168	8.131296	3.284471	8.348776	6.696381	4.278221	3.014938
9849	LOC103245	1958.003	-0.546	0.188751	-2.89271	0.003819	0.01031	1793.764	3246.152	1932.742	1607.131	1540.16	1628.067
7803	LOC1032323	472.0061	-0.54612	0.15763	-3.4646	0.000531	0.001809	517.1504	532.6317	629.6369	428.5684	357.2315	366.8175
4333	CGGBP1	6425.444	-0.54622	0.106475	-5.13003	2.90E-07	1.78E-06	7245.526	8613.525	7026.887	5008.893	5193.761	5464.073
4212	EARS2	1367.961	-0.54645	0.104915	-5.2085	1.90E-07	1.20E-06	1664.747	1615.96	1596.008	1078.117	1078.112	1174.821
2926	SNRPC	3825.843	-0.54647	0.083854	-6.51689	7.18E-11	6.52E-10	4586.647	4489.324	4586.957	3104.889	3135.936	3089.307
4563	COX7A2L	4939.665	-0.54677	0.110143	-4.96413	6.90E-07	4.02E-06	6093.593	5069.581	6429.254	4073.632	4068.588	3903.34
4770	NOL12	1546.516	-0.54685	0.113202	-4.83076	1.36E-06	7.58E-06	1963.979	1680.554	1865.256	1314.723	1172.233	1282.354
5068	NGDN	1053.998	-0.54686	0.117624	-4.6492	3.33E-06	1.75E-05	1314.017	1202.116	1240.489	897.315	778.6363	891.4168
14682	LOC103245	87.12742	-0.54688	0.288983	-1.89242	0.058435	0.10581	116.5486	91.41777	102.9682	64.73168	72.72976	74.36848
23856	TRNAR-AC	3.993993	-0.54702	1.274357	-0.42925	0.667742	0.744128	5.420864	2.189647	6.957314	2.232127	2.139111	5.024897
15808	HES2	74.98833	-0.5473	0.322017	-1.69958	0.089209	0.150027	103.5385	78.8273	84.1835	75.89232	49.19955	58.28881
3911	COL6A2	21144.22	-0.54753	0.100711	-5.4367	5.43E-08	3.69E-07	25594.61	23307.15	26432.92	17548.98	15467.91	18513.73
22601	LOC103245	8.579128	-0.5476	0.877453	-0.62408	0.532572	0.626451	8.131296	11.49565	10.43597	6.696381	10.69555	4.019918
21728	LOC119621	14.03713	-0.54773	0.707923	-0.77371	0.439101	0.537256	20.59928	18.612	11.1317	13.39276	6.417332	14.06971
3088	BIVM	7358.637	-0.54775	0.087043	-6.29288	3.12E-10	2.68E-09	8722.17	9211.846	8286.161	5874.958	5908.224	6148.464
6496	BCDIN3D	868.7646	-0.54787	0.138998	-3.94161	8.09E-05	0.000331	1123.745	979.8671	995.5916	747.7625	596.8119	768.8093
16412	LOC103245	63.15854	-0.54788	0.345287	-1.58675	0.112569	0.182344	76.43418	77.18507	70.26887	69.19594	40.6431	45.22408
6217	PA2G4	7239.317	-0.54791	0.134718	-4.06705	4.76E-05	0.000204	7637.997	10593.51	7563.296	5953.083	5544.575	6143.439
23905	LOC103245	3.848906	-0.54792	1.298419	-0.42199	0.673032	0.748486	3.252518	3.831883	6.261582	4.464254	4.278221	1.004979
4940	ZNF23	1442.395	-0.54793	0.11612	-4.71864	2.37E-06	1.28E-05	1660.953	1894.592	1582.789	1223.206	1123.033	1169.796
23816	LOC119618	3.895468	-0.5481	1.260675	-0.43477	0.663732	0.740916	3.252518	7.116354	3.478657	2.232127	4.278221	3.014938
3999	XPO5	5484.492	-0.54816	0.101988	-5.37475	7.67E-08	5.10E-07	6804.81	6241.042	6506.48	4091.489	4331.699	4931.434
6346	LOC1032323	593.1159	-0.54817	0.13678	-4.00771	6.13E-05	0.000257	712.8436	746.6697	652.596	457.586	517.6648	471.3354
22205	LOC119615	14.34859	-0.54831	0.792851	-0.69157	0.489206	0.585704	8.131296	33.39212	9.740239	8.928508	12.83466	13.06473
4844	EXOC3	2245.436	-0.54849	0.114586	-4.78673	1.70E-06	9.30E-06	2558.648	2809.865	2642.388	1749.988	1653.533	2058.198
24926	LOC1032323	1.752184	-0.54859	2.11395	-0.25951	0.795243	0.848172	0	2.189647	4.174388	0	2.139111	2.009959
3687	EXOSC2	2078.974	-0.54863	0.097047	-5.65319	1.57E-08	1.14E-07	2520.16	2496.198	2395.403	1716.506	1597.916	1747.659
4422	SLC19A2	1405.198	-0.54868	0.108369	-5.06306	4.13E-07	2.48E-06	1746.06	1573.262	1691.323	1160.706	1075.973	1183.866
3419	SRSF10	4991.162	-0.54877	0.092609	-5.92573	3.11E-09	2.42E-08	5773.762	6363.662	5648.643	3953.097	4196.935	4010.873
8560	LOC103222	278.951	-0.54902	0.169535	-3.23841	0.001202	0.003733	340.9723	323.5204	329.0809	238.8376	218.1893	323.1054
24385	CLDN19	3.104146	-0.54912	1.575362	-0.34857	0.727415	0.79301	6.263691	0.547412	6.261582	4.464254	0	3.014938
19460	LOC119621	31.20972	-0.54914	0.495521	-1.10821	0.767771	0.365812	35.23561	27.37059	48.00546	22.32127	34.22577	20.09959
5329	ARHGEF1	1958.052	-0.54919	0.121946	-4.50351	6.68E-06	3.33E-05	2516.365	2054.437	2414.884	1517.846	1493.099	1751.679
5473	ICE1	6137.187	-0.54927	0.124086	-4.42656	9.57E-06	4.65E-05	6731.629	8663.339	6482.129	5040.143	4673.957	5231.923
3158	GLS	24464.13	-0.54934	0.088487	-6.20811	5.36E-10	4.51E-09	30696.18	27430.81	29078.79	18952.99	19686.24	20939.75
13004	LOC119621	347.5545	-0.54941	0.249387	-2.20306	0.027591	0.056406	440.7162	261.6628	534.3217	296.8729	316.5884	235.1652
3797	CNN2	3086.807	-0.54976	0.099078	-5.54876	2.88E-08	2.01E-07	3740.938	3698.314	3573.276	2395.072	2378.691	2734.549
11148	MEX3A	237.9305	-0.54983	0.212088	-2.59245	0.009529	0.022725	243.9389	327.8997	276.2054	160.7131	228.8848	189.9411
4153	PAFAH1B2	7806.339	-0.54994	0.104649	-5.25512	1.48E-07	9.47E-07	9016.523	10437.5	8377.301	6270.045	6201.282	6535.381
12221	LOC103245	139.8413	-0.55014	0.232882	-2.36231	0.018161	0.039507	150.7	172.9821	176.02	116.0706	102.6773	120.5975
4186	TAF6	2621.395	-0.55032	0.105108	-5.23575	1.64E-07	1.04E-06	3139.764	3041.967	3173.927	2051.325	1963.704	2357.682
9018	TEDC2	490.2068	-0.55039	0.176931	-3.11076	0.001866	0.005501	642.9144	460.9207	647.0302	386.158	370.0661	434.1511
24543	LOC119621	2.207799	-0.55046	1.700651	-0.32368	0.746184	0.808165	1.626259	4.379295	2.087194	0	2.139111	3.014938
4326	UFM1	1494.94	-0.55054	0.107238	-5.1338	2.84E-07	1.75E-06	1717.872	1712.852	1896.564	1267.848	1210.737	1163.766
22419	LOC103215	9.238004	-0.55063	0.842322	-0.65371	0.5133	0.608684	10.29964	7.663765	15.30609	6.696381	6.417332	9.044815
4420	QSOX2	2787.368	-0.55073	0.108715	-5.06582	4.07E-07	2.45E-06	3468.811	3147.071	3331.858	2216.502	2053.546	2506.419
6946	NFIX	748.3702	-0.55077	0.146545	-3.7584	0.000171	0.000655	778.9781	1030.229	859.2282	640.6204	571.1425	610.0225
19705	LOC119621	26.57093	-0.55088	0.515269	-1.06911	0.285022	0.384537	26.02015	42.15071	26.43779	22.32127	21.39111	21.10457
4449	RASA3	3120.959	-0.55095	0.109235	-5.04377	4.56E-07	2.73E-06	3559.881	4117.632	3456.393	2520.071	2374.413	2697.365
3932	PRKRA	1976.385	-0.55099	0.101699	-5.41787	6.03E-08	4.08E-07	2413.369	2287.087	2342.528	1571.417	1728.401	1515.509
6481	GILR1	496.2666	-0.55108	0.139622	-3.94695	7.92E-05	0.000325	583.2849	612.5538	576.0656	372.7652	412.8484	420.0814
3892	MCM7	13335.59	-0.5514	0.10116	-5.45074	5.0							



5799	LOC103235	1300.588	-0.55176	0.1291	-4.2739	1.92E-05	8.81E-05	1708.656	1351.012	1584.18	995.5286	1022.495	1141.657
26593	TRNAN-GL	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
26661	LOC119618	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
26682	SPINK9	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
26694	DCANP1	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
26743	LOC119619	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
26860	MYF5	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
27283	LOC119625	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
27693	CRISP1	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
27837	LOC119627	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
27903	LOC103246	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
27952	LOC103216	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28079	LOC103244	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28342	LOC119619	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28497	MAB21L1	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28556	LOC103235	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28560	LOC119620	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28598	LOC119620	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28680	LOC119620	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28797	LOC119625	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28899	LOC119625	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
28969	LOC103234	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
29134	LOC103245	0.23191	-0.5519	4.021063	-0.13725	0.890831	NA	0	0	1.391463	0	0	0
4651	TMSB10	41715.73	-0.55193	0.112252	-4.9169	8.79E-07	5.03E-06	51185.42	41847.99	55764.26	34334.58	33928.43	33233.67
21440	LOC103225	13.53577	-0.552	0.679304	-0.81259	0.41645	0.516387	14.63633	16.96977	16.69755	11.16063	10.69555	11.05477
5938	NDUF56	2721.708	-0.55234	0.131799	-4.1908	2.78E-05	0.000124	3535.487	2635.788	3536.403	2361.59	2128.415	2132.566
3650	IMPACT	2362.201	-0.55243	0.096939	-5.69874	1.21E-08	8.79E-08	2967.923	2727.206	2735.616	1859.362	1895.252	1987.849
8046	TMCC2	365.9036	-0.55301	0.162616	-3.40072	0.000672	0.002221	459.1472	400.158	449.4425	292.4086	271.6671	322.5984
8677	LOC119618	348.6181	-0.55306	0.172323	-3.20943	0.00133	0.004075	464.568	360.7444	419.526	290.1765	265.2497	291.444
5499	METTL26	1506.605	-0.55326	0.12546	-4.4099	1.03E-05	5.00E-05	1814.905	1670.153	1900.042	1149.545	1108.059	1396.921
8473	SERF1A	426.4828	-0.55333	0.169661	-3.26138	0.001109	0.003479	460.2313	485.0069	573.9784	328.1227	400.0137	311.5436
24225	LOC119624	3.381894	-0.55339	1.493594	-0.37051	0.711005	0.780264	4.878777	3.284471	3.478657	2.232127	6.417332	0
21488	LOC103236	15.78615	-0.55347	0.686374	-0.80637	0.420032	0.519664	16.80468	22.9913	17.39328	4.464254	14.97377	18.08963
24938	TRNAC-GC	1.314402	-0.5536	2.156221	-0.25674	0.797376	0.850038	2.710432	0.547412	1.391463	2.232127	0	1.004979
7605	LOC103225	15463.13	-0.55372	0.157121	-3.52419	0.000425	0.001485	15534.03	24382.82	15267.13	12506.61	12415.4	12672.79
20801	LOC119619	18.58193	-0.55384	0.612419	-0.90435	0.365809	0.467528	22.22554	23.53871	19.48048	20.08914	17.11289	9.044815
4178	LARS2	3539.185	-0.55386	0.105643	-5.24279	1.58E-07	1.01E-06	4272.183	4267.623	4101.336	2752.213	2626.828	3214.929
6460	HAUS6	2841.718	-0.55406	0.140018	-3.95703	7.59E-05	0.000312	3067.667	4179.489	2894.938	2263.377	2327.352	2317.483
7575	CLSPN	2734.305	-0.55439	0.156881	-3.53381	0.00041	0.001438	2854.627	4199.743	2707.091	2174.092	2132.693	2337.582
7059	PITX2	561.5992	-0.5544	0.149532	-3.7076	0.000209	0.000788	615.268	760.355	628.9412	426.3363	483.439	455.2557
3570	NCS1	4190.716	-0.55448	0.095893	-5.78233	7.37E-09	5.49E-08	5054.413	4924.517	4988.394	3363.815	3135.936	3677.22
3109	SINHCAF	5568.246	-0.55459	0.088451	-6.27001	3.61E-10	3.09E-09	6898.591	6467.123	6516.22	4506.664	4297.473	4723.404
19500	DCLK3	35.11061	-0.55494	0.504027	-1.10101	0.270893	0.369299	42.82482	44.88777	35.4823	40.17829	34.22577	13.06473
4177	TCFL5	1633.768	-0.55506	0.105868	-5.24291	1.58E-07	1.01E-06	1982.952	1992.032	1863.864	1270.08	1270.632	1423.051
12582	LOC103245	177.2299	-0.5555	0.242803	-2.28788	0.022145	0.04679	232.5551	163.6761	239.3316	127.2312	134.764	165.8216
3997	RPL35A	16280.22	-0.55561	0.103342	-5.37636	7.60E-08	5.06E-07	20544.53	16850.98	20733.49	13461.96	13234.68	12855.7
5583	EDEM2	2154.077	-0.55564	0.126848	-4.38034	1.18E-05	5.64E-05	2848.664	2216.47	2632.648	1678.559	1623.585	1924.536
5035	CARS2	1998.788	-0.55567	0.118968	-4.67076	3.00E-06	1.58E-05	2591.173	2179.794	2373.14	1587.042	1471.708	1789.868
5620	ENTPD3	884.8967	-0.55615	0.127475	-4.36287	1.28E-05	6.07E-05	1009.365	1127.121	1029.682	676.3345	675.959	790.9188
23299	CLDN22	6.008379	-0.55645	1.081798	-0.51438	0.606989	0.692597	7.047123	10.40082	3.478657	6.696381	6.417332	2.009959
21777	LOC119628	12.96757	-0.5566	0.72914	-0.76336	0.445249	0.543553	15.7205	19.70683	10.43597	8.928508	14.97377	8.039836
4666	FADS3	6335.662	-0.55662	0.11345	-4.90627	9.28E-07	5.29E-06	8042.393	6919.285	7676.004	5098.178	4530.636	5747.478
5024	ATG12	2922.444	-0.55663	0.119035	-4.67622	2.92E-06	1.55E-05	3762.621	2934.127	3740.948	2388.376	2367.996	2340.597
4488	CENPO	1189.234	-0.55684	0.110986	-5.01718	5.24E-07	3.11E-06	1381.236	1396.448	1475.646	933.0291	921.9567	1027.089
21519	LOC103236	13.7038	-0.55685	0.694809	-0.80145	0.422873	0.522426	17.88885	13.6853	18.08902	8.928508	8.556443	15.07469
8732	HSCB	396.3128	-0.55686	0.174397	-3.19306	0.001408	0.004286	457.5209	427.5286	525.9729	339.2833	257.2315	270.3395
5242	MPHOSPH	3105.422	-0.55702	0.1222	-4.5583	5.16E-06	2.62E-05	3405.929	4336.596	3352.729	2439.715	2468.534	2629.026
7906	ARMC2	377.3543	-0.55711	0.162135	-3.43609	0.00059	0.001985	422.8274	491.0284	436.9193	274.5516	310.171	328.6283
20086	LOC103236	23.46256	-0.55727	0.548992	-1.01507	0.310073	0.410399	27.6464	21.34906	34.09084	20.08914	23.53022	14.06971
7045	SYNC	627.9779	-0.55728	0.150024	-3.71457	0.000204	0.000768	712.8436	850.1305	684.5997	466.5145	491.9955	561.7835
3198	CUL4A	5068.635	-0.55728	0.090424	-6.16303	7.14E-10	5.93E-09	6110.398	6244.874	5757.177	3908.454	4083.562	4307.342
17317	LOC119620	186.6593	-0.5573	0.385436	-1.44589	0.148208	0.227529	297.0633	88.1333	283.8584	145.0883	104.8164	200.9959
3572	ACACA	12520.39	-0.55731	0.096419	-5.78005	7.47E-09	5.56E-08	14926.89	15322.06	14488.61	9870.466	9332.94	11181.4
12999	HS3ST5	113.0134	-0.5574	0.252951	-2.20357	0.027554	0.056353	129.5586	146.159	128.7103	93.74933	83.42532	96.47803
3693	POLE	5181.791	-0.55759	0.09874	-5.6471	1.63E-08	1.17E-07	6316.39	6020.983	6185.748	3999.972	3931.685	4635.97
22363	LOC103225	13.14452	-0.55785	0.839364	-0.66461	0.506297	0.601883	22.76763	5.474118	18.08902	20.08914	6.417332	6.029877
21560	LOC119625	15.55697	-0.55787	0.701661	-0.79507	0.426572	0.525993	16.80468	25.18094	13.2189	6.696381	21.39111	10.04979
7985	IFI6	480.8941	-0.558	0.163321	-3.4166	0.000634	0.002111	504.1403	672.2217	541.9747	404.015	370.0661	392.947
6538	LOC103244	2115.411	-0.55808	0.142191	-3.92487	8.68E-05	0.000353	2304.951	3008.575	2250.691	1662.935	1533.742	1931.571
6686	LOC103235	898.977	-0.55837	0.144548	-3.86287	0.000112	0.000446	1016.412	1236.056	964.2837	714.2806	658.8461	803.9836
5812	TBC1D22A	828.7242	-0.55865	0.130917	-4.26722	1.98E-05	9.05E-05	1044.058	993.5524	928.1056	687.4951	592.5337	726.6002
5627	DBAF10	814.4795	-0.55877	0.128141	-4.3606	1.30E-05	6.13E-05	1024.001	905.4191	986.5471	636.1562	618.203	716.5504
4339	GCN1	15495.05	-0.55886	0.109007	-5.12681	2.95E-07	1.81E-06	19328.09	17681.95	18379.14	12080.27	11176.85	14323.97
13072	FAM78B	128.9523	-0.55886	0.254883	-2.19261	0.028335	0.057627	142.0266	159.2968	156.5396	109.3742	124.0684	82.40832



5779	MRPS33	2897.358	-0.55929	0.130528	-4.28483	1.83E-05	8.41E-05	3741.48	2813.697	3797.998	2441.947	2385.108	2203.92
4802	DCAF17	916.8211	-0.5593	0.116234	-4.81189	1.50E-06	8.28E-06	1130.792	1084.97	1057.512	745.5304	778.6363	703.4856
5545	SLC38A10	5164.579	-0.55935	0.127323	-4.3932	1.12E-05	5.36E-05	6727.834	5253.511	6486.999	4035.686	3752	4731.443
5691	LOC103227	615.4933	-0.55973	0.129239	-4.33096	1.48E-05	6.93E-05	704.7123	762.5447	731.2137	493.3001	519.8039	481.3852
3472	RNF220	3524.918	-0.55982	0.095099	-5.88668	3.94E-09	3.02E-08	4069.442	4458.669	4078.377	2792.391	2748.757	3001.874
11814	LOC103235	138.3998	-0.55987	0.228914	-2.44577	0.014454	0.032526	153.4104	172.4347	169.0627	113.8385	109.0946	112.5577
4401	MBTD1	1791.165	-0.55993	0.110207	-5.08071	3.76E-07	2.27E-06	2235.022	2178.699	1996.053	1348.205	1418.23	1570.783
22568	LOC119618	9.055453	-0.56014	0.889198	-0.62994	0.528732	0.622844	14.09425	9.853413	7.653045	11.16063	8.556443	3.014938
23559	LOC119625	4.853465	-0.56031	1.17888	-0.47529	0.634583	0.716078	7.047123	2.189647	8.348776	2.232127	4.278221	5.024897
15407	CHCHD2	13890.22	-0.5604	0.318609	-1.7589	0.078595	0.135607	20401.42	9410.556	19852.69	11064.65	10419.61	12192.41
4750	PARN	2233.735	-0.56053	0.115678	-4.84556	1.26E-06	7.07E-06	2508.776	3029.377	2447.583	1763.38	1867.444	1785.849
4379	BCAP29	1343.703	-0.56076	0.110083	-5.09397	3.51E-07	2.13E-06	1517.3	1714.494	1575.832	1037.939	1093.086	1123.567
13727	TRIM36	116.8664	-0.56093	0.271618	-2.06516	0.038908	0.075347	142.0266	156.5598	120.3615	107.1421	70.59065	104.5179
16065	LOC103225	70.86202	-0.56142	0.339478	-1.65377	0.098174	0.162452	66.13454	107.8401	79.31338	53.57105	62.03421	56.27885
20786	LOC119615	22.14784	-0.56147	0.619346	-0.90655	0.364646	0.466388	24.93597	16.96977	36.17803	20.08914	25.66933	9.044815
3793	SEN3	3274.13	-0.56148	0.101133	-5.55194	2.83E-08	1.98E-07	4094.378	3637.552	3981.671	2738.82	2440.725	2751.634
9401	TMEM256	1023.44	-0.5615	0.186729	-3.00707	0.002638	0.00746	1412.677	846.8461	1402.594	866.0653	740.1323	872.3222
5644	GDF9	978.0981	-0.56158	0.129114	-4.34946	1.36E-05	6.43E-05	1174.701	1236.603	1089.515	845.9761	686.6545	835.1379
2883	TNPO1	12795.02	-0.56161	0.085468	-6.57097	5.00E-11	4.61E-10	15345.92	15763.27	14661.15	10102.61	9981.09	10916.09
8303	LOC103235	898.4744	-0.56162	0.16957	-3.31202	0.000926	0.002966	1196.385	801.4109	1217.53	674.1023	748.6887	752.7296
7371	EPC2	1711.98	-0.56184	0.155669	-3.60917	0.000307	0.001108	1737.387	2595.279	1789.421	1437.49	1362.613	1349.687
3586	ME2	3071.569	-0.56197	0.097495	-5.76412	8.21E-09	6.09E-08	3555.544	3929.869	3503.007	2368.287	2556.237	2516.469
4362	BBS1	1076.971	-0.5622	0.110106	-5.106	3.29E-07	2.01E-06	1234.331	1320.905	1300.322	843.744	862.0616	900.4616
18113	HOXA13	43.06852	-0.56222	0.426276	-1.31892	0.187197	0.274755	40.65648	53.64636	58.44144	33.4819	47.06043	25.12449
5320	RAD51	765.567	-0.5624	0.124736	-4.50872	6.52E-06	3.26E-05	964.3717	858.3417	916.9739	640.6204	583.9772	629.1171
5568	PDE6D	1229.98	-0.5624	0.128226	-4.38605	1.15E-05	5.51E-05	1363.889	1613.223	1418.596	950.8861	1118.755	914.5313
5028	RNF126	844.6669	-0.56249	0.120353	-4.67368	2.96E-06	1.56E-05	956.2404	1018.186	1049.163	705.3521	639.5941	699.4657
10536	SH3YL1	189.007	-0.5625	0.205465	-2.7377	0.006187	0.015612	226.5921	226.0811	226.1127	151.7846	132.6249	170.8465
8652	LOC119625	437.9117	-0.56271	0.175028	-3.21499	0.001304	0.004008	572.4432	416.5804	578.1528	350.4439	355.0924	354.7578
5261	CUNH1orf	749.0918	-0.56273	0.123772	-4.54649	5.45E-06	2.76E-05	944.8565	870.3848	862.7069	636.1562	592.5337	587.913
9586	LOC103225	247.9893	-0.56279	0.189859	-2.96427	0.003034	0.008414	329.5885	284.6541	274.8139	203.1236	179.6853	216.0706
9798	LOC119625	203.0076	-0.56294	0.193783	-2.905	0.003673	0.009964	232.013	249.0724	244.8974	174.1059	156.1551	161.8017
13094	LOC103225	258.7782	-0.56302	0.252774	-2.18842	0.028639	0.058146	371.3292	196.5208	360.3888	183.0344	203.2155	238.1801
6105	RAB5C	5537.91	-0.56304	0.136687	-4.11922	3.80E-05	0.000166	5781.893	8185.449	5849.014	4486.575	4299.612	4624.196
4168	FRYL	6509.81	-0.56312	0.107333	-5.24651	1.55E-07	9.89E-07	7430.92	8707.132	7160.467	5145.053	4988.406	5626.88
4627	LOC103225	1263.802	-0.5632	0.114213	-4.93112	8.18E-07	4.70E-06	1554.704	1555.197	1417.901	964.2789	988.2691	1102.462
4691	LIAS	960.0545	-0.56326	0.115206	-4.88919	1.01E-06	5.74E-06	1217.526	1109.056	1107.604	792.4051	767.9407	765.7944
3918	NUDT4	6109.365	-0.56329	0.103704	-5.43171	5.58E-08	3.79E-07	6870.403	8211.725	6780.598	4843.716	4917.815	5031.932
18505	LOC119624	44.77999	-0.56337	0.450317	-1.25105	0.210915	0.303008	46.61943	53.09895	59.8329	20.08914	59.8951	29.1444
4389	SLC1A5	5440.732	-0.56395	0.11088	-5.08617	3.65E-07	2.21E-06	6921.359	5881.94	6677.63	4305.773	3991.581	4866.111
17894	LOC103245	45.33472	-0.56412	0.414161	-1.36208	0.173174	0.25727	41.74065	65.68942	53.57132	37.94616	44.92132	28.13943
8010	DCTPP1	2113.903	-0.56417	0.165497	-3.40896	0.000652	0.002164	2882.815	1819.049	2866.413	1756.684	1561.551	1796.903
24307	KCNE2	2.656187	-0.56429	1.564292	-0.36073	0.718299	0.785629	3.794605	2.189647	3.478657	4.464254	0	2.009959
3500	ABCC3	27397.84	-0.56432	0.096416	-5.85301	4.83E-09	3.67E-08	31959.24	34296.99	31821.36	21354.76	20539.74	24414.97
5224	LRRK49	758.3159	-0.56437	0.123524	-4.56892	4.90E-06	2.49E-05	909.0788	930.0527	878.7087	613.8349	569.0034	649.2167
20380	LOC119624	21.12893	-0.56443	0.584965	-0.9649	0.334594	0.436466	27.6464	30.65506	18.08902	11.16063	17.11289	22.10955
6327	IER3	6643.864	-0.56452	0.140676	-4.01292	6.00E-05	0.000252	6836.251	9978.77	6967.054	5424.069	5247.238	5409.804
24573	TRNAE-UU	3.101943	-0.56453	1.764498	-0.31994	0.749013	0.810331	3.794605	0	7.653045	0	2.139111	5.024897
15768	LOC119625	74.15798	-0.56471	0.330727	-1.70747	0.087735	0.147932	84.02339	98.53413	84.87923	62.49956	40.6431	74.36848
3928	TTC27	1994.955	-0.56481	0.104157	-5.4227	5.87E-08	3.97E-07	2473.54	2340.733	2334.874	1513.382	1561.551	1745.649
19513	LOC103238	27.20833	-0.56492	0.514137	-1.09877	0.27187	0.370365	27.10432	43.79295	26.43779	24.5534	19.252	22.10955
4686	NOM1	2486.874	-0.56492	0.115465	-4.89256	9.95E-07	5.65E-06	2849.748	3294.324	2765.532	1868.29	1944.452	2198.895
6123	SIRT3	587.9852	-0.565	0.137558	-4.10737	4.00E-05	0.000174	691.7022	729.1525	688.7741	468.7467	429.9612	519.5744
3755	UBA52	29110.05	-0.56504	0.101141	-5.58663	2.32E-08	1.64E-07	37222.9	30951.76	36047.93	23323.49	22167.6	24946.61
16302	LOC119625	55.20971	-0.56508	0.351797	-1.60627	0.108214	0.176474	63.96619	66.78424	66.09448	53.57105	40.6431	40.19918
5962	PTP4A1	7818.679	-0.56513	0.13516	-4.18119	2.90E-05	0.000129	7645.044	11393.28	8954.758	6368.258	6117.857	6432.874
18350	TIGD3	49.05762	-0.56525	0.443932	-1.27329	0.202916	0.29398	68.30288	45.98259	61.92009	55.80317	17.11289	45.22408
9948	LOC103235	271.7274	-0.56529	0.196597	-2.87538	0.004035	0.010784	339.8882	278.6326	350.6486	238.8376	237.4413	184.9162
4884	ASB3	1171.065	-0.56538	0.119014	-4.75053	2.03E-06	1.10E-05	1464.717	1284.228	1438.772	984.368	983.9909	870.3122
10616	ARMC7	227.9084	-0.56572	0.208316	-2.71568	0.006614	0.016563	298.1475	247.9776	274.1182	174.1059	154.016	219.0855
13306	LOC119625	133.9312	-0.56595	0.263765	-2.14567	0.031899	0.063734	183.2252	123.1677	174.6286	93.74933	111.2338	117.5826
12117	ARID3B	149.8025	-0.56595	0.23756	-2.38237	0.017202	0.037741	177.8043	172.4347	182.9774	147.3204	119.7902	98.48799
3985	FLOT2	5768.97	-0.56601	0.105119	-5.38447	7.27E-08	4.85E-07	6303.38	7727.813	6631.016	4620.503	4492.132	4838.976
12513	LOC119625	388.968	-0.56661	0.246475	-2.29885	0.021513	0.045707	349.6457	681.5277	361.7803	296.8729	329.423	314.5586
10554	LOC103225	230.5024	-0.56662	0.207306	-2.73323	0.006272	0.015798	269.959	317.4989	238.6359	158.481	207.4937	190.9461
3462	LIMS1	3390.889	-0.56669	0.096138	-5.89455	3.76E-09	2.89E-08	3971.325	4362.325	3812.608	2676.32	2753.035	2769.723
18201	LOC119618	35.94245	-0.56671	0.435377	-1.30165	0.193034	0.281953	48.24569	41.05589	38.65669	22.32127	34.22577	30.14938
20252	LOC119625	23.11285	-0.56699	0.574486	-0.98696	0.323664	0.424877	35.23561	20.25424	27.13352	11.16063	27.80844	17.08465
9169	MTG1	1504.849	-0.567	0.185157	-3.06225	0.002197	0.006369	2190.029	1231.129	1971.007	1272.312	1080.251	1284.364
6154	SLAIN2	3666.307	-0.56717	0.138513	-4.09472	4.23E-05	0.000183	3884.049	5430.325	3818.869	2910.694	2986.198	2967.704
6632													



5496	CDCA5	664.4927	-0.56773	0.128693	-4.41153	1.03E-05	4.96E-05	759.463	836.9927	784.785	504.4607	562.5861	538.669
3864	PHB	5401.138	-0.56775	0.103538	-5.48349	4.17E-08	2.87E-07	6888.291	5765.889	6702.676	4214.256	4226.883	4608.836
11364	PRELID3A	163.045	-0.56801	0.223159	-2.54531	0.010918	0.025542	184.8515	219.5121	178.1072	136.1597	139.0422	120.5975
5085	DERA	1925.578	-0.56803	0.122409	-4.64045	3.48E-06	1.82E-05	2425.837	1956.45	2519.243	1533.471	1531.603	1586.863
8539	LOC119625	257.7311	-0.56808	0.175136	-3.24362	0.00118	0.003674	303.0263	298.3394	321.4279	209.8199	211.772	202.0009
6053	PARP2	2019.664	-0.56822	0.137151	-4.14299	3.43E-05	0.000151	2113.053	2927.011	2195.728	1669.631	1608.611	1603.947
4231	RNP26	1910.587	-0.56826	0.109318	-5.19827	2.01E-07	1.26E-06	2162.925	2531.232	2151.897	1537.935	1535.881	1543.648
12848	NT5M	140.3041	-0.56909	0.255302	-2.22908	0.025809	0.053404	202.1982	134.1159	167.6713	107.1421	109.0946	121.6025
4968	STX16	1759.191	-0.56918	0.120956	-4.70566	2.53E-06	1.35E-05	1918.986	2364.819	2026.665	1348.205	1366.892	1529.579
11085	LTK	267.5111	-0.56935	0.218242	-2.60881	0.009086	0.02179	375.1238	244.6931	341.6041	185.2665	218.1893	240.1901
24636	LOC119624	2.594592	-0.56949	1.839478	-0.30959	0.756871	0.816748	2.710432	6.568942	0	0	4.278221	2.009959
7596	CWC25	1187.567	-0.56985	0.161553	-3.52731	0.00042	0.001469	1260.893	1776.351	1223.096	883.9223	917.6785	1062.263
12451	ZFP69B	165.8744	-0.56987	0.246649	-2.31046	0.020863	0.044545	214.1241	231.0078	149.5822	120.5349	143.3204	136.6772
6101	WDR17	479.1746	-0.57003	0.138312	-4.12135	3.77E-05	0.000164	555.6385	594.4892	567.7168	388.3901	382.9008	385.9121
4457	LOC119618	1511.334	-0.57046	0.113251	-5.03717	4.72E-07	2.82E-06	1774.791	1895.14	1756.026	1191.956	1114.477	1335.618
3142	PMAIP1	2792.379	-0.57074	0.091651	-6.22732	4.74E-10	4.01E-09	3228.124	3425.703	3354.817	2281.234	2301.683	2162.716
9976	KREMEN1	215.8865	-0.57129	0.199213	-2.86774	0.004134	0.011017	267.7907	275.3481	229.5914	194.195	162.5724	165.8216
3721	LATS2	2757.484	-0.57136	0.101666	-5.61998	1.91E-08	1.36E-07	3341.42	3368.225	3188.537	2089.271	2128.415	2429.035
17450	LOC119618	41.56727	-0.57155	0.402978	-1.41831	0.1561	0.237815	52.04029	47.62483	48.7012	31.24978	40.6431	29.1444
7422	MED22	2822.229	-0.57156	0.159152	-3.59128	0.000329	0.001179	3886.759	2602.396	3640.067	2078.11	2057.824	2668.22
3934	NADK2	1469.418	-0.57165	0.105514	-5.41775	6.04E-08	4.08E-07	1695.646	1877.623	1696.193	1176.331	1197.902	1172.811
21227	LOC103236	15.70646	-0.57179	0.675035	-0.84705	0.396965	0.497164	20.0572	24.63353	11.1317	13.39276	14.97377	10.04979
20996	LOC103246	18.85607	-0.572	0.650668	-0.87909	0.379352	0.480333	26.56223	10.94824	29.91645	13.39276	19.252	13.06473
16787	LOC103246	59.8455	-0.57204	0.374481	-1.52755	0.126625	0.200507	67.7608	84.84883	59.8329	53.57105	59.8951	33.16432
23606	TRNAL-AA	4.897366	-0.57228	1.223861	-0.46761	0.640067	0.720841	8.673382	3.831883	5.565851	0	4.278221	7.034856
4983	RNF19A	2069.377	-0.5724	0.121861	-4.69712	2.64E-06	1.41E-05	2314.709	2867.89	2240.951	1624.988	1698.454	1669.271
3868	PDCD11	7260.256	-0.57265	0.104506	-5.47956	4.26E-08	2.93E-07	8572.012	9203.087	8281.986	5707.549	5300.716	6496.187
22760	LOC103246	7.377333	-0.57272	0.95507	-0.59966	0.54873	0.640948	6.505036	7.663765	11.82743	6.696381	8.556443	3.014938
15562	LOC103238	77.70184	-0.57273	0.330229	-1.73433	0.08286	0.141551	104.6227	74.99542	99.48959	44.64254	79.14709	63.31371
11576	LOC103246	474.6643	-0.57286	0.229108	-2.5004	0.012405	0.028489	452.6421	788.8204	458.487	377.2295	449.2132	321.5934
20441	LOC119625	20.99201	-0.57317	0.599772	-0.95564	0.339253	0.44121	27.6464	18.06459	28.52499	24.5534	17.11289	10.04979
9227	MRPS14	1266.786	-0.57322	0.188031	-3.04853	0.0023	0.006626	1781.296	1023.66	1741.416	1084.814	928.374	1041.159
6324	LRIF1	979.3988	-0.57332	0.142815	-4.01442	5.96E-05	0.000251	1066.826	1389.331	1056.816	823.6549	767.9407	771.8242
5851	LOC103246	1236.512	-0.57337	0.135026	-4.2464	2.17E-05	9.87E-05	1366.6	1743.507	1327.455	984.368	986.13	1011.009
12990	LOC103225	117.634	-0.57344	0.260008	-2.20547	0.027421	0.05612	140.4004	146.7064	137.0591	71.42806	102.6773	107.5328
4063	TARBP1	3441.359	-0.57356	0.107759	-5.32255	1.02E-07	6.70E-07	4399.031	3941.365	4018.544	2562.482	2652.497	3074.232
20473	LOC103246	19.35123	-0.57357	0.603284	-0.95075	0.341729	0.443784	18.43094	31.20247	19.48048	20.08914	12.83466	14.06971
2547	OCIAD1	6369.523	-0.57358	0.08124	-7.06026	1.66E-12	1.73E-11	7768.098	7641.322	7446.413	5082.553	5223.708	5055.047
8065	NCL	35459.73	-0.57387	0.169027	-3.39516	0.000686	0.002261	35501.24	57890.99	33871.68	27805.61	27348.53	30340.33
4325	WDR73	1355.348	-0.57389	0.111773	-5.13441	2.83E-07	1.74E-06	1701.067	1555.197	1614.097	1060.26	1024.634	1176.831
6851	IFT81	869.0723	-0.57409	0.151242	-3.7958	0.000147	0.000571	955.6983	1237.698	925.3227	758.9232	635.3159	701.4757
3597	UTRN	23892.7	-0.57411	0.09989	-5.74746	9.06E-09	6.70E-08	27282.12	31831.45	26646.51	18560.14	18702.24	20333.75
18424	LOC119624	41.04499	-0.57418	0.455228	-1.26129	0.207204	0.298975	40.11439	64.59459	41.04815	33.4819	44.92132	22.10955
3967	CUNH1orf4	3313.658	-0.57437	0.106357	-5.40034	6.65E-08	4.46E-07	4163.223	3534.638	4198.739	2524.536	2742.34	2718.469
5048	IL15	935.3839	-0.57441	0.123225	-4.66148	3.14E-06	1.65E-05	1185.543	1018.733	1154.914	709.8164	776.4972	766.7993
27163	TRNAA-AG	0.606598	-0.57445	3.366599	-0.17063	0.864512	NA	0	0.547412	2.087194	0	0	1.004979
8809	FNDCC5	250.2573	-0.57475	0.181205	-3.17182	0.001515	0.004571	274.8378	319.1411	304.7303	200.8914	198.9373	203.0059
3749	HNRNPA0	4413.228	-0.57481	0.102761	-5.59365	2.22E-08	1.58E-07	5189.935	5671.186	4989.785	3383.905	3373.378	3871.181
6955	MRPS5	3075.411	-0.57482	0.153123	-3.754	0.000174	0.000665	3159.821	4725.259	3156.533	2459.804	2372.274	2578.777
4296	RAD51AP1	1043.293	-0.57486	0.111441	-5.15842	2.49E-07	1.54E-06	1243.546	1223.465	1277.363	888.3865	797.8883	829.1081
5601	TESC	598.9694	-0.57489	0.131435	-4.37395	1.22E-05	5.79E-05	737.7795	715.4672	700.6015	466.5145	459.9088	513.5445
10586	SYTL1	494.4634	-0.57489	0.210908	-2.7258	0.006415	0.016109	698.2072	408.9166	669.9893	417.4077	340.1186	432.1412
10302	LOC119627	256.692	-0.57524	0.206352	-2.78765	0.005309	0.013701	336.6356	257.831	331.1681	180.8023	192.52	241.1951
16087	LOC103246	58.77565	-0.57543	0.349045	-1.64858	0.099234	0.163992	80.22878	66.23683	63.31155	51.33892	51.33866	40.19918
10651	LOC119625	269.0111	-0.57544	0.212848	-2.70354	0.00686	0.017124	328.5043	262.2103	377.0864	238.8736	173.268	234.1602
16869	LOC103227	53.39526	-0.57546	0.380681	-1.51166	0.130621	0.205867	75.35001	56.93083	58.44144	35.71403	57.75599	36.17926
14189	LOC119625	103.9146	-0.57547	0.290788	-1.97899	0.047817	0.089598	106.791	134.1159	130.7975	69.19594	111.2338	71.35354
5343	TBPL1	711.0608	-0.57554	0.128078	-4.49364	7.00E-06	3.48E-05	876.0116	786.6308	892.6233	571.4245	549.7514	589.9229
19504	SLFN5	27.09453	-0.57577	0.523079	-1.10073	0.271013	0.369405	30.89892	26.27577	38.96096	24.5534	27.80844	14.06971
4541	CUL9	2200.726	-0.57578	0.115521	-4.98419	6.22E-07	3.64E-06	2725.068	2531.232	2656.302	1658.47	1619.307	2013.979
6886	NCAPH2	2684.44	-0.57579	0.152284	-3.78101	0.000156	0.000603	3719.797	2492.366	3430.651	2249.984	1880.278	2333.562
23759	LOC103245	4.321939	-0.57642	1.29893	-0.44377	0.65721	0.735382	10.29964	2.189647	2.782925	2.232127	6.417332	2.009959
4258	SMOX	1362.772	-0.57676	0.111252	-5.18425	2.17E-07	1.35E-06	1671.794	1649.352	1580.006	1073.653	1013.938	1187.886
16126	LOC103215	74.02462	-0.57696	0.351563	-1.64113	0.100771	0.16613	80.77087	107.2927	75.83472	84.82083	49.19955	46.22906
4806	KIF23	3929.118	-0.57724	0.12001	-4.80991	1.51E-06	8.35E-06	4448.361	5485.614	4181.346	3241.048	2988.338	3230.004
4387	ILF3	12372.54	-0.5773	0.113458	-5.08824	3.61E-07	2.19E-06	13781.46	17183.8	13485.36	9649.485	9593.911	10541.23
19231	LOC103238	30.59994	-0.57735	0.502569	-1.14488	0.250639	0.346484	27.6464	46.53	34.78657	22.32127	34.22577	18.08963
8041	TIMM8A	792.2849	-0.57738	0.169745	-3.40145	0.00067	0.002216	1029.422	732.437	1082.558	604.9064	714.463	589.9229
6527	CWC22	2781.014	-0.57752	0.147031	-3.92788	8.57E-05	0.000349	2894.741	4189.343	2908.853	2158.467	2184.032	2350.647
3268	MLLT6	3670.986	-0.57757	0.095056	-6.07616	1.23E-09	1.00E-08	4392.526	4409.402	4394.935	2899.533	2748.757	3180.76
5765	ZNF273	1230.841	-0.57763</										



7653	LOC119624	575.3545	-0.57786	0.164669	-3.5092	0.000449	0.001561	728.5641	688.0967	644.2472	450.8897	560.447	379.8822
4022	YWHA	21983.24	-0.57803	0.107935	-5.35536	8.54E-08	5.64E-07	23223.52	29918.25	25842.25	17803.44	18193.14	16918.83
6998	PRDX4	2290.111	-0.57819	0.154819	-3.73464	0.000188	0.000714	3112.66	2034.73	3080.699	1848.201	1884.556	1779.819
10873	LOC119625	168.9833	-0.57826	0.217768	-2.65541	0.007921	0.019368	202.7403	195.426	210.8066	111.6063	147.5986	145.722
4213	MYH14	946.5006	-0.57828	0.111027	-5.20844	1.90E-07	1.20E-06	1107.482	1156.681	1136.825	754.4589	765.8016	757.7545
4524	RAB11FIP2	4113.78	-0.57828	0.115636	-5.00086	5.71E-07	3.35E-06	4606.65	5706.768	4470.77	3265.602	3212.944	3419.945
5286	HECA	899.7157	-0.57832	0.127743	-4.52721	5.98E-06	3.01E-05	1148.681	1066.906	1023.421	660.7096	701.6283	796.9487
5370	ZCCHC9	1957.753	-0.57845	0.129117	-4.48007	7.46E-06	3.69E-05	2144.494	2599.111	2283.39	1636.149	1732.68	1350.692
6247	FNBP1	1417.858	-0.5787	0.142782	-4.05303	5.06E-05	0.000215	1509.168	2067.027	1518.086	1133.921	1159.398	1119.547
13577	EFCA13	97.23741	-0.57873	0.276508	-2.09298	0.036351	0.071178	130.6428	106.7453	113.4042	69.19594	77.00798	86.42823
3785	TRIM5	2154.321	-0.57904	0.104179	-5.55815	2.73E-08	1.92E-07	2481.129	2725.016	2537.332	1839.273	1591.498	1751.679
3448	PTTG1	1855.211	-0.57907	0.098108	-5.90238	3.58E-09	2.76E-08	2197.076	2249.863	2220.775	1562.489	1409.674	1491.39
17695	SEMA4G	41.18317	-0.57915	0.417915	-1.38581	0.165806	0.249107	45.53526	57.47824	43.83108	33.4819	40.6431	26.12947
22872	LOC119626	7.479162	-0.57924	0.993716	-0.5829	0.559959	0.650862	8.673382	9.306001	8.348776	13.39276	2.139111	3.014938
7074	SPSB1	570.8984	-0.57924	0.156386	-3.70392	0.000212	0.000798	643.9986	767.4714	645.6387	395.0865	455.6306	517.5644
17989	FBXO2	44.32683	-0.57928	0.430717	-1.34493	0.178648	0.264002	55.8349	42.69812	60.52863	51.33892	21.39111	34.1693
14769	LOC119627	96.51223	-0.57942	0.308469	-1.87839	0.060328	0.108596	132.2691	82.65918	130.7975	82.5887	83.42532	67.33362
4307	TIMM22	1291.288	-0.57944	0.112475	-5.15168	2.58E-07	1.59E-06	1527.599	1612.675	1506.954	1026.778	956.1825	1117.537
16684	LOC119628	66.95019	-0.57946	0.375121	-1.54473	0.122411	0.195051	100.286	60.76271	82.0963	42.41041	42.78221	73.3635
19071	PPP1R1B	29.47138	-0.57952	0.493502	-1.1743	0.240273	0.334941	30.35684	30.10765	45.22254	20.08914	29.94755	21.10457
7322	FDX2	408.1719	-0.5797	0.159848	-3.62655	0.000287	0.001043	545.3389	465.8475	453.6169	325.8905	350.8141	307.5237
6139	PSMB3	4194.486	-0.57985	0.141385	-4.10124	4.11E-05	0.000178	5721.722	3886.624	5473.319	3343.726	3197.97	3543.558
7020	CUNH12or	727.1725	-0.57997	0.155617	-3.72687	0.000194	0.000734	908.5368	724.2258	981.677	640.6204	524.0821	583.8931
19475	LOC119629	29.02440	-0.58002	0.525188	-1.10441	0.269417	0.367739	28.73058	35.03436	41.74388	26.78552	10.69555	31.15436
5849	HIVEP1	2257.748	-0.58048	0.136654	-4.2478	2.16E-05	9.81E-05	2354.281	3257.1	2509.503	1790.166	1704.871	1930.566
5569	LOC103240	1067.661	-0.58064	0.132383	-4.38605	1.15E-05	5.51E-05	1454.418	1133.69	1251.621	805.7978	894.1483	866.2923
4553	DYRK2	1885.141	-0.58069	0.116826	-4.97052	6.68E-07	3.90E-06	2228.517	2454.047	2103.196	1421.865	1428.926	1674.296
7400	MIPOL1	449.2084	-0.58083	0.161341	-3.6	0.000318	0.001143	498.7195	623.5021	493.2735	343.7476	372.2053	363.8026
4192	RBM18	1016.977	-0.58096	0.111112	-5.2286	1.71E-07	1.08E-06	1227.826	1180.22	1246.055	837.0476	827.8358	782.879
3443	FARSB	2579.516	-0.58143	0.098418	-5.90775	3.47E-09	2.68E-08	3021.047	3217.139	3044.52	2080.342	1925.2	2188.845
3930	VRK1	2001.593	-0.58144	0.107303	-5.41867	6.00E-08	4.06E-07	2311.456	2629.219	2256.953	1665.167	1550.855	1595.907
18182	LOC119630	37.98004	-0.58146	0.445514	-1.30513	0.191848	0.280512	32.52518	56.38342	47.30973	35.71403	27.80844	28.13943
3255	DCA2SE2	5040.322	-0.58156	0.095484	-6.09066	1.12E-09	9.18E-09	6292.539	5749.466	6094.607	3843.723	3906.016	4355.581
6926	PQR5	631.6618	-0.5818	0.154536	-3.76482	0.000167	0.00064	801.0893	801.9583	713.1247	404.015	554.0297	555.7536
4099	CCNA2	5022.043	-0.58185	0.109849	-5.29679	1.18E-07	7.64E-07	5526.028	6901.221	5635.424	4013.364	4066.449	3989.768
16873	LOC119631	47.47676	-0.58191	0.385201	-1.51066	0.130874	0.206205	58.00324	64.04718	48.00546	35.71403	44.92132	34.1693
3684	SEPTIN8	10113.87	-0.58205	0.102793	-5.66232	1.49E-08	1.08E-07	11641.85	13400.64	11344.6	7919.587	7647.321	8729.252
7044	NUP37	1257.082	-0.58219	0.156722	-3.71478	0.000203	0.000768	1731.424	1153.397	1637.056	970.9752	1056.721	992.9197
2858	GPX8	3690.351	-0.58241	0.088214	-6.60223	4.05E-11	3.77E-10	4534.552	4284.592	4458.942	2843.73	3020.424	2999.864
3588	DDX47	1920.837	-0.5827	0.101211	-5.75725	8.55E-09	6.33E-08	2406.321	2335.806	2172.073	1495.525	1512.351	1602.942
23436	FRMPD1	7.580245	-0.58315	1.180427	-0.49401	0.621296	0.704777	9.215468	7.663765	9.740239	17.85702	0	1.004979
4864	DCAF1	5316.954	-0.58333	0.122438	-4.76429	1.90E-06	1.04E-05	5929.341	7522.533	5684.125	4069.167	4169.127	4527.433
7485	PRIMPOL	475.7562	-0.5835	0.163565	-3.5674	0.000361	0.001281	613.6418	483.3646	618.5052	354.9082	370.0661	414.0515
8480	SLC19A1	7462.3539	-0.58364	0.179044	-3.25979	0.001115	0.003495	608.763	447.7829	611.5479	339.2833	348.675	418.0715
7066	ARL16	747.0709	-0.58367	0.157497	-3.7059	0.000211	0.000793	981.7184	713.825	993.5044	613.8349	577.5599	601.9827
12865	MSLN	149.5844	-0.58369	0.26227	-2.22554	0.026045	0.053821	187.0198	139.0426	212.1981	98.21359	145.4595	115.5726
8772	CCDC18	878.436	-0.58403	0.183588	-3.18121	0.001467	0.004445	915.0418	1393.163	852.2709	669.6381	755.1061	685.396
4115	ATXN2L	4256.222	-0.58423	0.110573	-5.28369	1.27E-07	8.18E-07	4659.232	5763.699	4900.732	3366.047	3240.753	3606.871
3891	DENR	4749.53	-0.58471	0.107257	-5.45155	4.99E-08	3.41E-07	5405.685	6432.089	5261.121	3850.419	3636.488	3911.38
23003	LOC103241	8.88605	-0.58476	1.039622	-0.56248	0.573791	0.663142	1.084173	13.6853	17.39328	6.696381	6.417332	8.039836
12229	LOC103227	121.2637	-0.58495	0.247794	-2.36065	0.018243	0.039659	131.1849	153.2753	151.6694	107.1421	89.84265	94.46807
4875	SVEP1	795.2014	-0.58495	0.122968	-4.75697	1.97E-06	1.07E-05	918.2943	1012.164	935.063	636.1562	603.2292	666.3014
7801	RPF2	1287.078	-0.585	0.168841	-3.4648	0.000531	0.001808	1325.943	2015.023	1291.973	1004.457	1060.999	1024.074
3909	SEN2	2574.811	-0.58506	0.107588	-5.43796	5.39E-08	3.67E-07	2924.014	3431.177	2915.81	2100.431	1967.982	2109.452
21854	LOC119632	11.5365	-0.58516	0.778283	-0.75187	0.452132	0.54999	18.97302	12.59047	10.43597	4.464254	10.69555	12.05975
3796	TCEA1	7433.661	-0.58532	0.105468	-5.54973	2.86E-08	2.00E-07	8257.602	10107.96	8395.39	5919.601	6147.804	5773.607
6742	RAD50	5506.51	-0.58545	0.152426	-3.8409	0.000123	0.000483	5694.075	8563.71	5569.33	4337.023	4310.308	4564.617
8724	LOC119633	556.447	-0.58545	0.18322	-3.19536	0.001397	0.004256	684.113	581.8988	741.6496	491.0679	329.423	510.5296
10712	LOC103242	227.1772	-0.58561	0.217763	-2.6892	0.007162	0.017775	234.7234	338.8479	244.2017	171.8738	192.52	180.8963
3506	RCHY1	1870.001	-0.58575	0.100124	-5.85025	4.91E-09	3.72E-08	2336.392	2133.811	2264.606	1533.471	1433.204	1518.524
10577	LOC103243	300.5498	-0.58589	0.214795	-2.7277	0.006378	0.016031	396.2651	268.7792	418.1346	263.391	207.4937	249.2349
4521	UTP11	1654.54	-0.58594	0.117164	-5.00103	5.70E-07	3.35E-06	1853.393	2242.199	1861.081	1359.365	1302.718	1308.483
3516	GOSR2	3390.595	-0.58597	0.100253	-5.8449	5.07E-09	3.83E-08	3939.884	4309.226	3968.452	2569.178	2618.271	2938.56
6991	STOX2	620.6869	-0.58634	0.156878	-3.73756	0.000186	0.000707	668.3925	888.4494	679.7295	482.1394	489.8563	515.5545
21452	TRNAT-UG	16.89088	-0.58649	0.723222	-0.81095	0.417397	0.517288	18.43094	8.211177	34.09084	17.85702	10.69555	12.05975
12836	LOC103244	122.5261	-0.5865	0.262829	-2.23149	0.025648	0.053121	150.1579	122.6202	169.0627	82.5887	111.2338	99.49297
23953	LOC119634	3.552588	-0.58651	1.416009	-0.4142	0.678726	0.753305	6.505036	1.642235	4.87012	0	4.278221	4.019918
4032	ALG9	1539.645	-0.58655	0.109652	-5.34921	8.83E-08	5.82E-07	1813.821	1986.01	1747.677	1258.92	1155.12	1276.324
16410	LOC119635	54.15077	-0.58664	0.369693	-1.58683	0.112551	0.182338	66.67662	69.5213	57.04997	53.57105	44.92132	33.16432
3595	LOC103228	4668.821	-0.58691	0.102051	-5.75116	8.86E-09	6.55E-08	5893.563	4990.754	5930.414	3772.295	3796.921	3628.981
5540	BAZ1B	15453.16	-0.58727	0.133586	-4.39622	1.10E-05	5.29E-05						



2686	RABGGTB	3849.506	-0.58749	0.085743	-6.85173	7.30E-12	7.22E-11	4583.34	4725.259	4557.736	3026.764	3165.884	3038.053
11776	LOC119618	178.5055	-0.58754	0.23947	-2.45348	0.014148	0.03194	182.141	248.525	212.8938	169.6417	109.0946	148.737
4625	CPSF6	6648.565	-0.58759	0.119137	-4.93204	8.14E-07	4.68E-06	7416.826	9426.979	7109.679	5180.767	5307.134	5450.004
11928	LOC119618	122.8978	-0.58805	0.243078	-2.41919	0.015555	0.034669	145.8212	151.0857	147.4951	87.05295	98.39909	107.5328
2723	GRSF1	4081.644	-0.58817	0.086335	-6.81262	9.58E-12	9.36E-11	4999.12	4925.612	4777.587	3352.655	3279.257	3155.636
5857	LIPE	1302.825	-0.58855	0.13886	-4.2384	2.25E-05	0.000102	1600.781	1460.495	1639.839	1098.206	842.8096	1174.821
20030	EFCAB3	21.93453	-0.58894	0.575785	-1.02284	0.306382	0.406663	24.93597	28.46541	24.3506	24.5534	19.252	10.04979
22068	TRNAE-UU	13.37953	-0.5891	0.825349	-0.71376	0.475379	0.572661	23.8518	4.379295	20.17621	13.39276	6.417332	12.05975
17345	LOC119624	60.69761	-0.58922	0.409263	-1.4397	0.149951	0.229819	98.11763	41.05589	80.00911	42.41041	51.33866	51.25395
8709	HOXC6	574.8928	-0.58939	0.184199	-3.19977	0.001375	0.004199	574.6116	868.1951	628.2454	415.1756	521.943	441.186
11693	LOC103232	220.9922	-0.58958	0.238431	-2.47275	0.013408	0.030483	237.4338	349.2487	208.7194	183.0344	179.6853	167.8316
3777	SLC11A2	3796.037	-0.58963	0.105914	-5.56712	2.59E-08	1.82E-07	4873.356	4293.898	4525.037	2901.765	2838.6	3343.567
13523	DLX6	113.8341	-0.58966	0.280397	-2.10297	0.035469	0.069728	122.5115	164.771	121.0573	87.05295	111.2338	76.37844
7666	HIPK2	3521.941	-0.58969	0.168291	-3.50401	0.000458	0.001589	3321.905	5655.859	3718.684	2810.248	2714.531	2910.421
4774	MRPL11	3046.422	-0.58993	0.122197	-4.82773	1.38E-06	7.69E-06	4002.766	3055.105	3923.229	2511.143	2406.5	2379.791
6646	TOMM34	861.226	-0.58994	0.152046	-3.87999	0.000104	0.000418	993.6443	1120.552	995.5916	734.3698	543.3341	779.8641
5284	SMARCE1	7248.518	-0.59003	0.130325	-4.52733	5.97E-06	3.01E-05	7720.936	10664.68	7744.882	5732.102	5873.998	5754.512
4116	CAV1	8137.565	-0.59019	0.111722	-5.28268	1.27E-07	8.22E-07	9110.846	11162.27	9070.25	6171.831	6312.516	6997.672
4082	AARS1	14737.25	-0.59041	0.111187	-5.31003	1.10E-07	7.14E-07	16653.98	19906.08	16582.06	11348.13	10913.74	13019.51
4239	SREK1P1	2233.517	-0.59045	0.113677	-5.19411	2.06E-07	1.29E-06	2532.628	3042.515	2478.195	1783.469	1758.349	1805.948
6544	EIF6	4414.867	-0.59064	0.150603	-3.92181	8.79E-05	0.000357	6153.222	4058.511	5711.955	3430.779	3202.249	3932.485
3829	CDCA8	1195.06	-0.59072	0.107106	-5.51527	3.48E-08	2.42E-07	1424.061	1458.852	1426.945	901.7793	998.9647	959.7554
7822	LOC103228	341.8851	-0.59092	0.170795	-3.45982	0.000541	0.001837	422.8274	424.7916	381.9565	258.9267	316.5884	246.22
5492	HNRNPDL	16320.05	-0.59093	0.133911	-4.41284	1.02E-05	4.94E-05	17039.94	24387.74	17421.81	12738.75	13159.81	13172.27
17276	LOC119622	64.81377	-0.59093	0.406456	-1.45385	0.145987	0.224651	68.84497	77.73248	84.1835	60.26743	72.72976	25.12449
13634	LOC119622	112.7465	-0.59138	0.284058	-2.08189	0.037353	0.07284	110.5856	163.6761	130.1018	98.21359	100.5382	73.3635
16624	TEX14	51.5504	-0.59144	0.380665	-1.55369	0.120258	0.192315	53.12446	68.97389	62.61582	37.94616	53.47777	33.16432
2871	RPE	4481.207	-0.59165	0.089827	-6.58656	4.50E-11	4.17E-10	5474.53	5062.464	5627.771	3528.993	3559.48	3634.006
25159	LOC119622	0.83564	-0.59185	2.684156	-0.2205	0.825484	0.872272	1.084173	1.094824	0.695731	0	2.139111	0
5184	MMD	754.0225	-0.59196	0.129029	-4.58777	4.48E-06	2.30E-05	902.0317	973.8456	847.4008	571.4245	588.2554	641.1769
4132	DNMT1	7022.368	-0.5923	0.112394	-5.26989	1.37E-07	8.78E-07	7843.99	9636.09	7856.199	5638.353	5198.039	5961.538
25149	LOC119620	0.851142	-0.59234	2.67113	-0.22175	0.824505	0.871584	1.084173	1.094824	0.695731	2.232127	0	0
7353	DNAJC2	1973.656	-0.59268	0.163919	-3.6157	0.0003	0.001083	2032.824	3104.92	1981.443	1633.917	1540.16	1548.673
7665	ATF5	490.5107	-0.59271	0.169148	-3.50407	0.000458	0.001589	533.9551	674.4114	555.8894	439.729	406.431	332.6482
21723	TRNAT-CG	12.2931	-0.59272	0.765135	-0.77466	0.438541	0.536694	18.97302	8.758589	16.00182	11.16063	12.83466	6.029877
4571	POLR3G	2547.806	-0.59283	0.119537	-4.95937	7.07E-07	4.11E-06	2834.57	3465.664	2885.894	2044.628	2196.867	1859.212
15972	TRNAY-GU	70.79804	-0.59297	0.354921	-1.67071	0.094779	0.157757	86.19173	60.76271	109.9256	49.10679	53.47777	65.32367
19192	LOC119620	30.61252	-0.593	0.513388	-1.15507	0.24806	0.343616	49.32986	28.46541	33.39511	13.39276	29.94755	29.1444
12744	TLCD2	101.6357	-0.59321	0.263637	-2.2501	0.024443	0.050986	130.6428	116.0513	119.6658	87.05295	77.00798	79.39338
25169	TRNAG-CC	0.836527	-0.59323	2.710465	-0.21887	0.826754	0.873267	0.542086	1.642235	0.695731	0	2.139111	0
3539	FAM104A	2013.723	-0.59367	0.102064	-5.81662	6.00E-09	4.51E-08	2330.971	2607.322	2328.613	1562.489	1644.976	1607.967
25163	NPYSR	0.85203	-0.5937	2.697464	-0.2201	0.825796	0.872456	0.542086	1.642235	0.695731	2.232127	0	0
3486	PCNX4	1622.638	-0.59392	0.101177	-5.87009	4.36E-09	3.32E-08	1956.39	2005.169	1897.955	1227.67	1306.997	1341.648
3947	SCRN1	3984.546	-0.59405	0.109802	-5.41016	6.30E-08	4.24E-07	4618.034	5292.925	4476.336	3107.121	2947.694	3465.169
3194	AGL	2850.901	-0.59415	0.096346	-6.16681	6.97E-10	5.80E-09	3356.599	3634.814	3301.941	2267.841	2175.476	2368.737
3174	DCP1A	2922.161	-0.59419	0.095955	-6.19241	5.92E-10	4.96E-09	3451.464	3766.741	3329.075	2330.341	2301.683	2353.662
5767	CAPS2	1127.135	-0.59432	0.138508	-4.29087	1.78E-05	8.20E-05	1337.869	1500.456	1225.183	841.5119	1041.747	816.0433
16014	LOC103222	71.49053	-0.59437	0.35753	-1.66242	0.096428	0.16008	88.90216	95.24966	70.9646	69.19594	68.45154	36.17926
11260	VWA3B	141.2496	-0.59438	0.231464	-2.56793	0.010231	0.024155	189.1881	161.4865	159.3225	113.8385	109.0946	114.5677
3341	SUPV3L1	3419.405	-0.59451	0.099041	-6.0026	1.94E-09	1.55E-08	4173.523	4219.998	3957.32	2638.374	2560.515	2966.699
20628	LOC103215	18.15841	-0.59454	0.638091	-0.93175	0.351467	0.452964	29.27266	17.51718	18.08902	22.32127	10.69555	11.05477
5265	GTF2F2	574.9182	-0.59455	0.130844	-4.54398	5.52E-06	2.79E-05	698.2072	715.4672	660.9448	457.586	462.0479	455.2557
17215	LOC119622	44.54519	-0.59472	0.405844	-1.46539	0.142814	0.220546	67.21871	44.88777	49.39693	33.4819	32.08666	40.19918
6800	CISD3	1362.091	-0.59493	0.155834	-3.81771	0.000135	0.000527	1779.127	1254.12	1884.041	1142.849	1031.051	1081.358
3275	MCM3	6011.068	-0.59494	0.098082	-6.06568	1.31E-09	1.07E-08	7295.94	7401.555	7011.581	4707.556	4393.733	5256.043
13166	LOC103232	250.4863	-0.59514	0.273314	-2.1775	0.029443	0.059452	217.9187	448.3303	237.2444	203.1236	205.3546	190.9461
2594	METAP1	3776.014	-0.59519	0.085165	-6.98865	2.78E-12	2.84E-11	4505.822	4653	4474.944	2966.497	3009.729	3046.093
3569	RNASEH1	1716.8	-0.59532	0.102946	-5.78279	7.35E-09	5.47E-08	2021.982	2139.833	2040.58	1388.383	1274.91	1435.111
19040	LOC119618	28.65957	-0.59553	0.505424	-1.17828	0.238686	0.33327	37.40396	27.918	36.87376	29.01765	25.66933	15.07469
7707	RPA3	1910.398	-0.5957	0.170639	-3.49101	0.000481	0.00166	2501.187	1622.529	2773.881	1566.953	1514.49	1483.35
17915	LOC119628	38.48015	-0.59574	0.438581	-1.35834	0.174355	0.258734	39.03022	58.57306	40.35242	35.71403	32.08666	25.12449
20973	LOC103244	17.30448	-0.59588	0.675138	-0.8826	0.377453	0.478453	26.02015	14.78012	20.87194	24.5534	8.556443	9.044815
3092	WDR12	2200.965	-0.59612	0.094805	-6.28783	3.22E-10	2.77E-09	2657.307	2746.365	2546.377	1736.595	1726.262	1792.883
4662	ATAD3A	1799.822	-0.59619	0.121365	-4.91233	9.00E-07	5.13E-06	2291.941	1935.648	2275.042	1520.078	1272.771	1503.449
2663	EEF1A1	439710.6	-0.59624	0.086688	-6.87802	6.07E-12	6.06E-11	559454.8	485779.3	542669.1	350843.5	350735	348782.1
20715	LOC103218	15.02945	-0.59625	0.650327	-0.91684	0.359224	0.461018	17.34676	19.15941	17.39328	13.39276	12.83466	10.04979
22003	LOC103242	10.92728	-0.59631	0.82055	-0.72672	0.467398	0.564731	18.43094	9.306001	11.1317	6.696381	14.97377	5.024897
24785	CYTL1	1.326282	-0.59655	2.101872	-0.28382	0.776549	0.832962	1.084173	1.642235	2.087194	0	2.139111	1.004979
5074	COQ2	882.9404	-0.59674	0.128439	-4.64611	3.38E-06	1.77E-05	1005.028	1187.884	994.2001	703.12	723.0194	684.391
3470	LOC103222	7820.08	-0.59679	0.101354	-5.88818	3.90E-09	2.99E-08	9241.488	10174.2	8837.18	5930.761	5938.171	6798.686
6367	LOC103232	452.948	-0.59702	0.149392	-3.9963								



18127	PDE8B	37.83869	-0.59739	0.453823	-1.31635	0.188057	0.275804	43.909	47.07742	43.83108	33.4819	40.6431	18.08963
3578	RPL39	8479.706	-0.59739	0.103432	-5.77573	7.66E-09	5.69E-08	10164.12	9245.238	11217.28	6944.147	7016.283	6291.171
4791	RNF19B	940.5723	-0.59748	0.123982	-4.81906	1.44E-06	8.00E-06	1140.008	1161.06	1103.43	725.4413	682.3763	831.118
4612	NABP2	946.0695	-0.59756	0.12101	-4.93809	7.89E-07	4.55E-06	1141.634	1191.168	1082.558	823.6549	703.7674	733.635
3132	NBEAL1	4638.003	-0.59773	0.095771	-6.24123	4.34E-10	3.69E-09	5577.527	6021.53	5157.457	3613.814	3724.192	3733.499
2745	KCMF1	2853.321	-0.59774	0.088182	-6.77848	1.21E-11	1.18E-10	3504.046	3401.617	3400.735	2310.251	2263.179	2240.099
5136	MYH10	10085.52	-0.59785	0.129733	-4.60827	4.06E-06	2.10E-05	10531.11	14684.87	11225.63	7734.32	7694.381	8642.823
4257	ASNSD1	2852.486	-0.59787	0.11531	-5.18489	2.16E-07	1.35E-06	3139.222	3887.719	3273.416	2348.198	2350.883	2115.482
6299	ZNF621	611.1018	-0.59805	0.148539	-4.02623	5.67E-05	0.000239	717.7224	841.9194	647.7259	502.2286	470.6043	486.4101
15991	LOC119627	78.8039	-0.59805	0.358626	-1.66762	0.09539	0.158586	118.1748	57.47824	109.2298	64.73168	59.8951	63.31371
5247	PEX10	1537.274	-0.59817	0.131325	-4.55489	5.24E-06	2.66E-05	1911.939	1757.739	1895.172	1093.742	1120.894	1444.155
22728	LOC119618	6.749959	-0.59825	0.990243	-0.60414	0.545751	0.638366	9.757555	9.306001	5.565851	6.696381	2.139111	7.034856
3833	CEP57	3511.337	-0.59835	0.108565	-5.5114	3.56E-08	2.47E-07	3995.177	4747.155	3940.622	2877.212	2855.713	2652.141
3151	ATG4C	2721.684	-0.59835	0.096217	-6.21878	5.01E-10	4.23E-09	3163.616	3412.018	3260.197	2035.7	2271.736	2186.835
21731	LOC119627	11.10904	-0.59866	0.774779	-0.77268	0.43971	0.537927	12.46799	18.612	9.044508	8.928508	8.556443	9.044815
21492	LOC119618	12.97451	-0.5987	0.743985	-0.80471	0.420984	0.520746	11.38381	24.08612	11.82743	8.928508	8.556443	13.06473
3047	SPTLC1	6623.612	-0.59876	0.09439	-6.34352	2.25E-10	1.96E-09	7687.327	8719.175	7531.292	5174.07	5262.212	5367.595
19318	LOC103227	26.10195	-0.59877	0.528751	-1.13242	0.257457	0.354432	34.15144	29.01283	32.69937	15.62489	14.97377	30.14938
14305	LOC103237	94.35671	-0.59881	0.305446	-1.96043	0.049946	0.092822	89.98634	133.0211	116.1871	73.66019	91.98176	61.30375
3319	FKBP3	2126.278	-0.59881	0.099383	-6.02531	1.69E-09	1.35E-08	2491.971	2717.9	2471.238	1761.148	1664.228	1651.181
19480	LOC103237	22.9399	-0.59905	0.542659	-1.10392	0.269628	0.367971	24.39389	30.65506	27.13352	17.85702	23.53022	14.06971
4270	SRRD	869.941	-0.5992	0.115745	-5.17685	2.26E-07	1.40E-06	1022.375	1058.694	1063.773	658.4775	720.8803	695.4458
5180	PRPF3	2811.446	-0.5992	0.130565	-4.5893	4.45E-06	2.28E-05	3065.498	4080.955	3013.908	2227.663	2254.623	2226.03
14836	LOC119627	82.10356	-0.59923	0.321327	-1.86488	0.062199	0.111461	78.06044	124.2625	93.228	69.19594	70.59065	57.28383
20679	LOC103237	17.25999	-0.59931	0.647995	-0.92487	0.355034	0.456442	12.46799	25.18094	24.3506	13.39276	17.11289	11.05477
14168	LOC103247	96.91112	-0.5995	0.302475	-1.98199	0.047481	0.089068	134.4374	92.5126	123.8402	91.51721	57.75599	81.40334
4000	SLC3A2	9058.829	-0.59952	0.111548	-5.37457	7.68E-08	5.10E-07	11885.79	9614.194	11249.98	7200.842	6588.461	7813.715
3091	GPBP1L1	4646.946	-0.59998	0.095409	-6.28854	3.20E-10	2.76E-09	5360.692	6024.814	5417.66	3678.545	3533.811	3866.156
7655	LOC103227	313.341	-0.60002	0.171022	-3.50844	0.000451	0.001565	346.3932	419.3174	366.6504	254.4625	245.9977	247.2249
15482	LOC119627	66.30129	-0.60002	0.343272	-1.74796	0.080472	0.138182	76.97626	71.71095	93.228	44.64254	44.92132	66.32864
16435	LOC119627	70.51781	-0.60006	0.37903	-1.58316	0.113385	0.183402	73.72375	118.241	63.31155	37.94616	70.59065	59.29379
3364	GOSR1	3617.329	-0.60024	0.100454	-5.97529	2.30E-09	1.82E-08	4305.25	4663.401	4115.251	2814.712	2723.088	3082.272
4637	PAK1	1222.618	-0.60081	0.12199	-4.92505	8.43E-07	4.84E-06	1353.048	1654.826	1413.03	946.4218	992.5473	975.8351
2733	TBL1XR1	11016.27	-0.60101	0.088354	-6.8023	1.03E-11	1.00E-10	1234.5	14038.92	12565.6	8354.851	8838.805	9064.915
16812	LOC119627	49.92919	-0.60111	0.394583	-1.52341	0.127656	0.201863	59.08741	63.49977	57.04997	29.01765	57.75599	33.16432
6726	PEAK1	1126.739	-0.60114	0.156286	-3.84644	0.00012	0.000474	1214.273	1626.908	1237.706	915.1721	759.3843	1006.989
15331	LOC103247	63.60756	-0.60126	0.339086	-1.77317	0.0762	0.132127	72.63957	84.84883	73.05179	37.94616	59.8951	53.26391
6489	MAGOHB	518.0508	-0.60128	0.152427	-3.94474	7.99E-06	0.000327	665.14	544.1273	664.4235	383.9258	440.6568	410.0316
4975	ZNF169	675.7211	-0.60163	0.127978	-4.70105	2.59E-06	1.38E-05	854.8702	757.0705	832.0947	535.7105	536.9168	537.664
6531	KIAA1614	430.0257	-0.60179	0.153255	-3.92669	8.61E-05	0.000351	551.3018	463.6578	540.5833	348.2118	333.7013	342.698
23367	LOC103237	5.257678	-0.60194	1.194807	-0.5038	0.614404	0.698987	4.878777	2.737059	11.1317	2.232127	8.556443	2.009959
3207	PLAU	3492.15	-0.60209	0.097832	-6.15432	7.54E-10	6.25E-09	4245.62	4172.373	4221.002	2792.391	2532.707	2988.809
2837	EEF2	115728	-0.60225	0.090785	-6.6338	3.27E-11	3.07E-10	137410.2	144328.4	136885.8	91840.86	84529.1	99373.37
11153	LOC119627	153.6913	-0.60259	0.232515	-2.5916	0.009553	0.022771	197.3194	187.2148	168.367	138.3919	128.3466	102.5079
7255	LOC119627	530.096	-0.60307	0.165191	-3.65078	0.000261	0.000958	677.608	567.1186	674.8594	477.6752	340.1186	443.1959
2893	GSTCD	2204.935	-0.60316	0.091959	-6.559	5.42E-11	4.98E-10	2667.065	2613.344	2697.351	1783.469	1717.706	1750.674
7344	LOC119627	911.8986	-0.6034	0.16677	-3.61816	0.000297	0.001074	1351.963	904.8717	1042.901	640.6204	806.4447	724.5902
3720	TTC4	1749.512	-0.60353	0.107362	-5.62149	1.89E-08	1.35E-07	2044.208	2256.979	2030.84	1453.115	1289.884	1422.046
17239	LOC103219	56.71196	-0.60371	0.413295	-1.46072	0.144093	0.222212	86.19173	45.43518	72.35606	37.94616	64.17332	34.1693
4423	NUP35	1182.224	-0.6038	0.11927	-5.0625	4.14E-07	2.49E-06	1388.768	1519.615	1383.114	984.368	988.2691	849.2077
14393	LOC119627	75.13767	-0.6039	0.310547	-1.94463	0.05182	0.095716	93.23886	81.01695	98.09812	66.96381	49.19955	62.30873
3137	JPT1	2560.64	-0.60399	0.096847	-6.2366	4.47E-10	3.79E-09	3243.845	2901.283	3124.53	1975.432	2036.433	2082.317
6754	HASPIN	495.8196	-0.60404	0.157505	-3.83504	0.000126	0.000494	568.6486	639.9244	587.1973	441.9611	325.1448	412.0416
2900	NOP56	8380.654	-0.60424	0.092259	-6.54945	5.77E-11	5.29E-10	9983.605	10494.98	9861.296	6582.542	6197.004	7164.499
4396	ELP2	2741.111	-0.6043	0.118885	-5.0831	3.71E-07	2.25E-06	3671.551	2865.153	3388.908	2116.056	2083.494	2321.503
17941	LOC119618	34.21141	-0.60497	0.44721	-1.35276	0.176133	0.260979	47.16151	35.58177	40.35242	31.24978	27.80844	23.11453
5546	H2AFX	2301.514	-0.60505	0.137728	-4.39305	1.12E-05	5.36E-05	2919.135	2298.035	3110.615	2060.253	1732.68	1688.366
6130	LRRFIP1	8116.984	-0.60521	0.147455	-4.10438	4.05E-05	0.000176	8468.473	12588.28	8328.6	6399.508	6342.463	6574.576
4061	MRPS15	5078.699	-0.60526	0.113674	-5.32454	1.01E-07	6.63E-07	5523.86	7023.294	5834.403	4218.72	4060.032	3811.887
8305	PGBD1	265.1148	-0.60534	0.182778	-3.31186	0.000927	0.002967	308.4471	343.7746	308.209	183.0344	233.1631	214.0606
14820	LOC103247	68.54045	-0.60537	0.324009	-1.86836	0.061712	0.110702	94.32303	71.71095	81.40057	55.80317	57.75599	50.24897
3423	MSH3	1677.083	-0.60539	0.102225	-5.92207	3.18E-09	2.47E-08	2018.73	2091.113	1957.788	1412.936	1300.579	1281.349
4535	ASAP2	4188.735	-0.60552	0.121297	-4.99201	5.98E-07	3.50E-06	4562.199	5948.724	4656.53	3328.101	3178.718	3458.134
2965	AURKA	2459.239	-0.60561	0.093591	-6.47086	9.74E-11	8.74E-10	3015.084	2997.08	2890.068	2044.628	1876	1932.576
20198	CUNH9orf1	18.45105	-0.60591	0.607791	-0.99691	0.318808	0.419621	24.39389	19.15941	23.65487	17.85702	8.556443	17.08465
20926	CCDC68	18.67633	-0.60622	0.683324	-0.88716	0.374994	0.476404	18.97302	22.9913	24.3506	29.01765	10.69555	6.029877
20667	LOC119618	15.91851	-0.60626	0.65431	-0.26656	0.354155	0.455567	17.88885	20.80165	18.08902	17.85702	12.83466	8.039836
2153	RBM3	9173.832	-0.60642	0.079009	-7.67535	1.65E-14	2.04E-13	11319.85	11017.21	10881.93	7316.912	7360.68	7146.409
12556	CFAP53	177.8085	-0.60642	0.264551	-2.29227	0.02189	0.046348	185.9356	292.3179	164.8883	136.1597	151.8769	135.6722
3455	CMTM4	6730.252	-0.60644	0.10284	-5.89689	3.70E-09	2.85E-08	8319.4	8028.889	8034.306	5334.783	4748.826	5915.309
18806	HPCAL4	38.10151	-0.60668	0.498695	-1.21653	0.223784							



23012	LOC119621	7.099953	-0.60775	1.084812	-0.56023	0.575321	0.664649	6.505036	2.737059	16.00182	8.928508	6.417332	2.009959
22888	LOC119620	5.796528	-0.60807	1.046358	-0.58113	0.56115	0.651791	8.673382	5.474118	6.957314	2.232127	6.417332	5.024897
24047	LOC119625	3.189972	-0.60809	1.524705	-0.39883	0.690021	0.762848	1.084173	6.02153	4.87012	0	2.139111	5.024897
11625	DNAI4	164.5083	-0.60819	0.244524	-2.48726	0.012873	0.029433	179.9727	209.6587	203.1536	122.767	168.9897	102.5079
23493	LOC119625	4.495512	-0.60831	1.252609	-0.48564	0.627225	0.709776	1.626259	9.853413	4.87012	4.464254	2.139111	4.019918
12968	CAB39L	112.2443	-0.60833	0.275326	-2.20948	0.027141	0.055641	130.1007	149.4434	130.1018	84.82083	68.45154	110.5477
23234	TRNAC-GC	4.847952	-0.60838	1.160973	-0.52403	0.600261	0.686836	3.794605	8.758589	4.87012	2.232127	6.417332	3.014938
4372	CCDC86	1320.22	-0.60849	0.119332	-5.09913	3.41E-07	2.07E-06	1544.946	1691.503	1554.96	955.3503	1011.799	1162.761
19261	LOC103237	25.72161	-0.60849	0.532455	-1.14281	0.253119	0.349382	23.30971	39.96106	29.22072	20.08914	25.66933	16.07967
15027	PCDHB3	64.46682	-0.60854	0.332889	-1.82806	0.067541	0.119489	65.59245	83.75401	84.87923	49.10679	49.19955	54.26889
21139	LOC103238	20.23512	-0.60887	0.708313	-0.85961	0.390003	0.490456	33.06727	16.42235	22.95914	6.696381	34.22577	8.039836
12821	ICAM3	115.6791	-0.60894	0.27252	-2.23446	0.025453	0.052778	147.4475	125.9047	146.1036	113.8385	66.31243	94.46807
4907	SF1	968.0276	-0.60895	0.128475	-4.7398	2.14E-06	1.16E-05	1199.095	1080.044	1235.619	698.6557	746.5496	848.2027
3658	RAD54B	1504.917	-0.60908	0.107021	-5.69127	1.26E-08	9.16E-08	1762.865	1952.071	1741.416	1174.099	1167.954	1231.1
6502	LRRC20	619.4633	-0.60918	0.154614	-3.93999	8.15E-05	0.000333	808.7929	651.4201	790.3508	439.729	472.7435	553.7437
4361	RSL24D1	2262.852	-0.60929	0.119327	-5.10605	3.29E-07	2.01E-06	2700.674	2434.888	3061.914	1779.005	1927.339	1673.291
2881	IPO7	25370.32	-0.60946	0.092695	-6.57491	4.87E-11	4.49E-10	29229.3	33779.69	28944.51	20138.25	19763.24	20366.91
7471	LOC103228	355.7837	-0.60947	0.170616	-3.57218	0.000354	0.00126	429.3324	385.3779	474.4888	256.6946	314.4493	274.3594
24750	LUZP2	1.7688	-0.60961	2.107742	-0.28923	0.772408	0.829676	2.168345	3.284471	0.695731	4.464254	0	0
3402	AFAP1L1	2643.654	-0.60986	0.102607	-5.94364	2.79E-09	2.18E-08	3160.906	3406.544	3021.561	2022.307	2006.486	2244.119
24151	LOC119620	2.641369	-0.60999	1.59329	-0.38285	0.701832	0.772564	4.336691	3.831883	1.391463	0	4.278221	2.009959
20857	TRNAC-AC	15.27853	-0.61005	0.679919	-0.89724	0.369592	0.471094	16.26259	13.13788	26.43779	8.928508	12.83466	14.06971
4043	NCAPG2	5471.982	-0.61012	0.11427	-5.33931	9.33E-08	6.13E-07	6167.859	7670.334	5999.987	4299.077	4220.465	4474.169
7804	POLR1H	1174.356	-0.61019	0.176159	-3.46386	0.000532	0.001814	1605.118	1021.47	1634.273	892.8508	866.3398	1026.084
5297	TNFRSF12A	8164.901	-0.61032	0.135038	-4.51959	6.20E-06	3.11E-05	11033.63	7933.639	10638.43	6415.133	5831.216	7137.364
16654	TRNAD-GU	51.7198	-0.61037	0.394451	-1.54738	0.121772	0.194386	70.47123	45.98259	72.35606	40.17829	32.08666	49.24399
6641	IFT43	749.1667	-0.61069	0.157328	-3.88164	0.000104	0.000415	994.7285	732.437	992.1129	544.639	598.951	632.1321
4734	TFB1M	1557.163	-0.61075	0.125694	-4.859	1.18E-06	6.63E-06	1985.12	1602.822	2059.365	1191.956	1253.519	1250.194
5212	YES1	5539.268	-0.61108	0.133626	-4.5731	4.81E-06	2.45E-05	6026.374	8239.643	5818.401	4352.648	4460.046	4338.496
23760	LOC119615	3.14929	-0.61135	1.378001	-0.44365	0.657298	0.735449	3.252518	5.474118	2.782925	2.232127	2.139111	3.014938
3842	BOK	2943.159	-0.61142	0.111112	-5.5027	3.74E-08	2.59E-07	3872.665	3212.76	3592.757	2341.501	2151.945	2487.324
8847	RPS28	5078.538	-0.61143	0.193648	-3.15742	0.001592	0.004783	7167.466	3795.206	7456.153	3984.347	3779.809	4288.247
5325	LOC103225	2266.27	-0.61147	0.135677	-4.50682	6.58E-06	3.29E-05	3033.515	2211.544	2975.643	1678.559	1848.192	1850.167
8310	GRHL1	282.6939	-0.61156	0.184705	-3.31102	0.00093	0.002974	350.1878	348.1539	330.4724	180.8023	235.3022	251.2449
4117	PPAN	1673.739	-0.61181	0.11588	-5.27967	1.29E-07	8.36E-07	1907.06	2184.173	1984.922	1328.116	1200.041	1438.126
23693	LOC103240	4.388327	-0.61195	1.346878	-0.45435	0.64958	0.728869	6.505036	3.284471	5.565851	6.696381	4.278221	0
4715	KRR1	2574.983	-0.61201	0.125569	-4.8739	1.09E-06	6.17E-06	2826.438	3684.082	2829.539	2006.682	2027.877	2075.283
2992	VRK2	2446.225	-0.61207	0.095065	-6.43851	1.21E-10	1.07E-09	2874.684	3098.351	2903.287	1879.451	1916.643	2004.934
3876	SPPL2A	2238.408	-0.61234	0.111913	-5.47158	4.46E-08	3.06E-07	2568.405	2936.317	2622.212	1654.006	1704.871	1944.635
5705	YBEY	620.7371	-0.61278	0.141705	-4.32433	1.53E-05	7.13E-05	744.8267	818.3807	690.1655	517.8535	440.6568	512.5395
3663	LOC103247	2220.095	-0.61297	0.107833	-5.68444	1.31E-08	9.53E-08	2560.274	2956.024	2539.42	1665.167	1811.827	1787.858
23345	LOC119615	5.528873	-0.61312	1.209403	-0.50696	0.612183	0.697147	4.878777	7.663765	8.348776	2.232127	0	10.04979
2505	LAYN	6188.844	-0.61321	0.086067	-7.12475	1.04E-12	1.11E-11	7423.873	7829.631	7204.298	4776.752	4851.503	5047.007
5697	SNRPE	2220.316	-0.61331	0.141712	-4.32782	1.51E-05	7.03E-05	3008.037	2128.885	2922.767	1723.202	1655.672	1883.332
5382	POC5	493.563	-0.61339	0.137102	-4.47397	7.68E-06	3.79E-05	590.3321	619.6702	580.24	390.6222	393.5964	386.9171
4323	KLHDC4	1298.25	-0.61383	0.119414	-5.14038	2.74E-07	1.69E-06	1542.778	1673.438	1499.301	1060.26	911.2611	1102.462
14322	LOC103247	95.42485	-0.6141	0.313681	-1.95772	0.050263	0.0933	92.69677	145.6115	107.1426	62.49956	96.25998	68.3386
3669	MAP3K14	2801.327	-0.61453	0.108156	-5.68184	1.33E-08	9.66E-08	3346.299	3509.457	3321.422	2004.45	2154.084	2472.249
5206	ELK4	4097.268	-0.61454	0.134332	-4.5748	4.77E-06	2.43E-05	4333.981	6036.31	4503.469	3205.334	3067.485	3437.03
5000	NDC80	1073.622	-0.61466	0.131111	-4.68809	2.76E-06	1.47E-05	1178.496	1493.887	1223.791	837.0476	866.3398	842.1728
3635	TMEM168	1127.192	-0.61492	0.107726	-5.70822	1.14E-08	8.35E-08	1373.647	1401.922	1317.715	872.7616	885.5918	911.5164
2908	HNRNPL	13914.67	-0.61499	0.094076	-6.53713	6.27E-11	5.73E-10	17575.52	16298.64	16644.68	10725.37	10246.34	11997.44
3774	ZWILCH	2348.673	-0.6151	0.110407	-5.57118	2.53E-08	1.78E-07	2976.596	2508.788	3041.738	1812.487	1878.139	1874.287
7460	SLTM	4680.275	-0.61551	0.172026	-3.57799	0.000346	0.001234	4740.003	7721.791	4529.907	3602.653	3698.522	3788.773
7592	ITGB3	29877.86	-0.61551	0.091731	-6.70998	1.95E-11	1.85E-10	36862.96	36910.88	34705.86	22783.32	22442.47	25761.64
7547	DNAAF2	494.3604	-0.61593	0.173798	-3.54393	0.000394	0.001389	655.3824	476.7957	663.032	419.6399	359.3706	391.942
23576	LOC119620	3.913444	-0.61612	1.303775	-0.47256	0.636524	0.717763	5.420864	4.926706	3.478657	2.232127	6.417332	1.004979
4522	RBMS2	1180.941	-0.6162	0.123217	-5.00093	5.71E-07	3.35E-06	1370.394	1606.106	1309.366	955.3503	936.9305	907.4965
4719	AADAT	839.9076	-0.6167	0.126621	-4.87044	1.11E-06	6.27E-06	975.2134	1107.414	969.8495	676.3345	618.203	692.4309
12857	LOC119615	102.6218	-0.61685	0.276929	-2.22746	0.025917	0.053589	141.4845	116.0513	116.1871	64.73168	89.84265	87.43321
3069	ANKLE2	6327.076	-0.61726	0.097793	-6.31198	2.75E-10	2.39E-09	7801.707	7756.825	7432.498	4857.108	4614.062	5500.253
2759	NUP88	2940.197	-0.61742	0.091345	-6.75919	1.39E-11	1.34E-10	3690.524	3548.871	3443.87	2296.859	2263.179	2397.881
11781	LOC119620	232.5578	-0.61753	0.251762	-2.45283	0.014174	0.031985	307.363	194.3312	345.7785	180.8023	154.016	213.0556
3746	URB1	2658.118	-0.61753	0.110331	-5.5971	2.18E-08	1.55E-07	3446.585	3004.743	3212.192	2035.7	1938.034	2311.453
9069	LOC103215	297.6273	-0.61766	0.199829	-3.09093	0.001995	0.005849	316.5784	437.9295	329.0809	207.5878	235.3022	259.2847
17442	TMEM255I	36.75231	-0.61799	0.435378	-1.41942	0.155776	0.237433	40.65648	38.86624	53.57132	33.4819	27.80844	26.12947
14901	LOC119620	111.0214	-0.61826	0.333354	-1.85466	0.063644	0.113549	163.168	96.34448	147.4951	69.19594	66.31243	123.6125
20187	LOC119620	17.40231	-0.61849	0.619148	-0.99893	0.317827	0.418558	16.26259	23.53871	22.95914	15.62489	14.97377	11.05477
2927	LANCL1	2657.811	-0.6185	0.094923	-6.51578	7.23E-11	6.57E-10	3347.925	3158.566	3155.837	2006.682	2074.937	2202.915
10449	LOC103247	145.97	-0.61892	0.224612	-2.75551	0.00586	0.01491	170.2151	171.8873	189.2389	109.3742	115.512	119.5926
6636	PHF12	1747.246	-0.61902	0.15929	-3.88609	0.000102	0.0004						



6261	MRPL57	1529.579	-0.6197	0.1532	-4.04506	5.23E-05	0.000222	1963.437	1441.335	2154.68	1301.33	1118.755	1197.936
14319	RBM20	89.01304	-0.62004	0.316679	-1.95794	0.050237	0.093272	87.27591	136.853	98.79385	60.26743	85.56443	65.32367
20391	LOC119621	17.33281	-0.62016	0.643925	-0.96309	0.335502	0.437415	26.56223	14.78012	20.87194	15.62489	17.11289	9.044815
21376	LOC103224	15.92983	-0.62018	0.755809	-0.82055	0.411901	0.512275	22.22554	8.758589	27.82925	13.39276	4.278221	19.09461
6028	SRD5A1	451.3472	-0.62029	0.149371	-4.15267	3.29E-05	0.000145	557.8069	584.0884	500.2309	357.1403	337.9795	370.8374
3503	TTF2	3665.804	-0.62033	0.106021	-5.85103	4.89E-09	3.71E-08	4497.691	4746.06	4089.509	2698.642	2819.348	3143.576
7479	LOC119620	1958.21	-0.62057	0.173821	-3.57019	0.000357	0.001268	2007.888	3174.441	1938.308	1529.007	1452.456	1647.161
2853	SLC25A6	20042.71	-0.621	0.093979	-6.60789	3.90E-11	3.63E-10	24996.14	21988.99	25890.25	16084.71	15198.38	16097.76
4283	RNMT	2975.489	-0.62101	0.120233	-5.16507	2.40E-07	1.49E-06	3490.494	4098.472	3234.455	2332.573	2158.363	2538.578
20994	PKDREJ	13.00376	-0.62103	0.706152	-0.87946	0.37915	0.480124	17.88885	13.13788	16.00182	13.39276	8.556443	9.044815
10432	LOC119625	494.5679	-0.62131	0.225092	-2.76024	0.005776	0.014719	505.2245	825.497	466.14	339.2833	468.4652	362.7976
4039	MYBL2	4399.311	-0.6215	0.116277	-5.34496	9.04E-08	5.95E-07	4992.615	6094.336	4916.038	3399.529	3240.753	3752.593
3097	CSNK1G3	3412.797	-0.62157	0.098897	-6.28498	3.28E-10	2.81E-09	3964.278	4487.682	3953.841	2741.052	2755.175	2574.757
22632	LOC119618	7.60678	-0.62176	1.005394	-0.61843	0.536294	0.629954	15.7205	2.737059	9.044508	6.696381	6.417332	5.024897
3991	BYSL	1520.46	-0.62188	0.115582	-5.3804	7.43E-08	4.95E-07	1952.595	1811.386	1772.028	1071.421	1212.876	1302.453
3278	EIF3B	10227.75	-0.62193	0.102669	-6.0576	1.38E-09	1.12E-08	12866.42	12452.52	11887.96	7830.301	7313.619	9015.671
20321	LOC103236	17.83711	-0.62199	0.638224	-0.97457	0.329774	0.431428	22.22554	29.01283	13.2189	13.39276	17.11289	12.05975
6066	PABPC1L	451.5617	-0.62224	0.150315	-4.13958	3.48E-05	0.000153	580.0324	507.4508	555.1936	325.8905	385.0399	355.7627
4417	MPP3	1282.152	-0.62232	0.122763	-5.06931	3.99E-07	2.40E-06	1718.414	1453.378	1497.214	957.5825	966.878	1099.448
5763	LOC103241	1616.363	-0.62243	0.144964	-4.29367	1.76E-05	8.11E-05	1776.959	2368.104	1733.763	1156.242	1396.839	1266.274
5107	CAST	17269.44	-0.62245	0.134603	-4.62438	3.76E-06	1.96E-05	18116.53	26003.7	18696.39	13316.87	13249.65	14233.52
3247	FBXO10	3160.389	-0.62271	0.102055	-6.10168	1.05E-09	8.59E-09	4013.607	3773.31	3715.206	2542.393	2254.623	2663.196
2929	FTSJ1	2769.911	-0.62276	0.095631	-6.51208	7.41E-11	6.73E-10	3340.878	3486.466	3254.631	2078.11	2151.945	2307.433
8081	SNF74	342.6117	-0.62309	0.18392	-3.38786	0.000704	0.002317	431.5008	364.0289	453.6169	218.7484	297.3364	290.4391
18758	LOC119620	35.18643	-0.62317	0.509246	-1.22372	0.221058	0.313298	62.33993	24.08612	42.43961	24.5534	23.53022	34.1693
5528	TK1	3611.792	-0.62355	0.141698	-4.40054	1.08E-05	5.19E-05	4930.818	3600.875	4617.569	2631.678	2590.463	3299.348
9504	LOC103236	173.6718	-0.62361	0.209024	-2.98344	0.00285	0.007973	206.5349	217.8699	207.3279	149.5525	124.0684	136.6772
14541	ZSCAN31	67.08478	-0.62381	0.325294	-1.91768	0.055152	0.100827	80.22878	84.84883	77.92191	49.10679	64.17332	46.22906
3984	POGK	3144.29	-0.62413	0.115887	-5.38571	7.22E-08	4.82E-07	3644.447	4309.773	3491.18	2537.928	2267.457	2614.957
6491	RP9	822.7859	-0.62449	0.158321	-3.94446	8.00E-05	0.000328	908.5368	1188.431	891.9276	691.9594	693.0719	562.7885
3851	FASTKD1	1041.978	-0.62455	0.113618	-5.49688	3.87E-08	2.67E-07	1346	1210.328	1234.227	837.0476	819.2794	804.9886
3972	ANKRA2	1142.765	-0.62462	0.115709	-5.39819	6.73E-08	4.51E-07	1414.845	1271.638	1470.776	901.7793	926.2349	871.3172
4724	APOL5	790.7985	-0.62474	0.128359	-4.86714	1.13E-06	6.37E-06	912.8734	1049.388	912.7996	633.9241	643.8723	591.9329
3199	SPCS3	5142.635	-0.62476	0.10138	-6.16253	7.16E-10	5.95E-09	6691.514	5549.661	6476.563	4071.4	4006.554	4060.117
8434	TMEM251	483.4256	-0.62478	0.190893	-3.27292	0.001064	0.003355	678.6921	452.7096	632.4198	337.0512	361.5097	438.171
22688	LOC119625	8.935182	-0.625	1.025008	-0.60975	0.542028	0.635156	12.46799	1.642235	18.08902	6.696381	10.69555	4.019918
18756	CDSN	37.81559	-0.62516	0.510817	-1.22384	0.221014	0.313252	44.45108	54.19377	36.87376	31.24978	47.06043	13.06473
3040	USP1	4900.068	-0.62546	0.098501	-6.34981	2.16E-10	1.88E-09	5609.51	6526.791	5702.91	3707.563	3940.242	3913.39
18293	LEKR1	29.43107	-0.62594	0.487241	-1.28465	0.198914	0.28908	33.06727	37.77142	35.4823	20.08914	32.08666	18.08963
13424	LOC119615	147.9143	-0.62612	0.295039	-2.12217	0.033824	0.066985	222.2554	120.978	197.5877	87.05295	121.9293	137.6822
4214	CNOT1	16834.24	-0.62614	0.120221	-5.20822	1.91E-07	1.20E-06	18726.37	23851.28	18722.13	12600.36	12500.96	14604.36
4006	ZNF248	1367.2	-0.62624	0.116643	-5.36883	7.92E-08	5.26E-07	1550.367	1826.713	1602.269	1111.599	1011.799	1100.453
4588	WDR77	1760.728	-0.6263	0.126519	-4.95021	7.41E-07	4.30E-06	2322.84	1941.67	2154.68	1332.58	1242.823	1569.778
3434	EIF2AK4	7528.427	-0.62645	0.105905	-5.91523	3.31E-09	2.57E-08	8864.196	10187.88	8366.865	5738.798	5664.365	6348.455
2559	CCZ1	4022.009	-0.62647	0.089053	-7.03476	2.00E-12	2.07E-11	4878.235	5122.132	4644.007	3183.013	3153.049	3151.616
6173	CUNH10or	639.6068	-0.62665	0.153248	-4.08912	4.33E-05	0.000186	816.9242	645.3985	866.1856	497.7643	521.943	489.425
5681	NBL1	1269.059	-0.62669	0.144525	-4.33623	1.45E-05	6.78E-05	1691.309	1313.788	1623.141	964.2789	879.1745	1142.662
2780	PGAP1	2972.715	-0.62673	0.093089	-6.73259	1.67E-11	1.59E-10	3691.066	3560.914	3579.538	2209.806	2333.77	2461.195
2978	PARD3	6148.196	-0.6268	0.097152	-6.4518	1.11E-10	9.87E-10	7473.203	7909.553	7014.364	4689.699	4590.531	5211.824
13761	LOC103216	127.6926	-0.62693	0.305107	-2.05478	0.0399	0.077083	137.1479	200.9001	124.5359	89.28508	66.9031	77.38342
7496	CFAP20DC	402.2355	-0.62709	0.176052	-3.56193	0.000368	0.001306	426.0799	575.8772	461.2699	348.2118	299.4755	302.4988
24369	LOC119618	2.597267	-0.62714	1.78602	-0.35114	0.725483	0.791455	3.794605	3.284471	2.087194	0	6.417332	0
2876	RPL21	32615.54	-0.62745	0.095348	-6.58065	4.68E-11	4.33E-10	38804.17	37946.04	42035.39	26452.94	27160.29	23294.42
4026	ITGA1	12538.88	-0.62782	0.117264	-5.35389	8.61E-08	5.68E-07	13941.38	17931.57	13804.7	9441.897	9805.683	10308.07
4367	UBXN1	3185.99	-0.62805	0.123094	-5.10217	3.36E-07	2.04E-06	3515.972	4564.32	3524.575	2459.804	2584.046	2467.225
4587	RWDD1	3394.639	-0.62848	0.126945	-4.95079	7.39E-07	4.28E-06	3636.315	4839.668	3886.355	2767.837	2791.539	2446.12
4599	FCF1	1291.957	-0.62855	0.127158	-4.94311	7.69E-07	4.44E-06	1466.886	1758.287	1487.474	984.368	941.2087	1113.517
4091	ASB1	3036.436	-0.62869	0.118548	-5.3033	1.14E-07	7.39E-07	3931.21	3460.737	3680.419	2359.358	2083.494	2703.395
2807	PIGS	3255.664	-0.62872	0.094035	-6.68597	2.29E-11	2.17E-10	3962.651	4118.179	3786.866	2506.679	2464.255	2695.355
6401	DCLRE1B	727.8717	-0.62893	0.158031	-3.97978	6.90E-05	0.000286	807.7087	1040.63	807.0484	593.7458	491.9955	626.1022
3212	VRK3	1766.194	-0.62895	0.10225	-6.15115	7.69E-10	6.37E-09	2232.854	2050.057	2156.767	1390.615	1317.692	1449.18
2684	SFXN2	3378.647	-0.62908	0.09176	-6.85576	7.09E-12	7.03E-11	4208.759	4106.683	4002.543	2573.642	2573.35	2806.908
3718	NIF3L1	1283.98	-0.62911	0.111902	-5.62197	1.89E-08	1.35E-07	1518.384	1655.921	1507.65	935.2612	1037.469	1049.199
19271	AK7	25.80269	-0.62921	0.551398	-1.14112	0.253819	0.350135	25.47806	33.93953	33.39511	17.85702	32.08666	12.05975
4376	PIP4K2A	2179.011	-0.62939	0.123515	-5.09563	3.48E-07	2.11E-06	2402.527	3090.687	2446.887	1676.327	1756.21	1701.43
4400	TAOK1	9782.071	-0.6296	0.123894	-5.08178	3.74E-07	2.26E-06	10656.88	14230.52	10765.75	7437.447	7482.609	8119.229
16317	RAWD227A	51.48537	-0.62967	0.392985	-1.60229	0.109092	0.177742	60.17159	55.83601	73.05179	24.5534	47.06043	48.23901
3285	SPIN1	3984.896	-0.62968	0.104009	-6.05413	1.41E-09	1.14E-08	4726.451	5368.468	4430.417	3051.318	3101.71	3231.009
15256	LOC119615	54.6346	-0.62983	0.352422	-1.78715	0.073913	0.128801	69.38706	69.5213	60.52863	44.64254	38.50399	45.22408
6889	TSEN54	1111.795	-0.62994	0.166625	-3.78059	0.000156	0.000604	1569.882	1037.345	1449.904	794.6372	832.114	986.8898
11924	LOC119625	115.8772	-0.63011	0.260407	-2.41973	0.015532	0.03463	119.259	154.				



12290	LOC119615	127.9351	-0.63106	0.268971	-2.34622	0.018965	0.041024	187.0198	142.3271	138.4505	75.89232	113.3729	110.5477
24036	MYL5	2.668752	-0.63136	1.573286	-0.4013	0.688198	0.761198	2.710432	4.926706	2.087194	0	4.278221	2.009959
23290	C8B	4.481869	-0.63136	1.225304	-0.51527	0.606363	0.692141	7.047123	2.737059	6.261582	6.696381	2.139111	2.009959
9803	LOC103230	204.3854	-0.63152	0.217438	-2.90435	0.00368	0.00998	250.986	247.4301	246.2889	200.8914	121.9293	158.7868
2892	SRSF2	8831.639	-0.63155	0.096283	-6.55926	5.41E-11	4.97E-10	11139.33	9942.093	11130.31	6589.239	6733.92	7454.938
7264	HEXD	573.0503	-0.63158	0.173159	-3.6474	0.000265	0.00097	806.0824	556.7178	730.5179	424.1041	421.4048	499.4748
3441	LOC103231	1177.309	-0.63165	0.106898	-5.9089	3.44E-09	2.66E-08	1434.361	1455.568	1403.986	953.1182	879.1745	937.6458
3272	PAIP1	5032.45	-0.63182	0.104108	-6.06883	1.29E-09	1.05E-08	5707.085	6886.988	5756.481	3982.115	3929.546	3932.485
24327	GFI1B	2.695878	-0.63204	1.765988	-0.3579	0.720421	0.78729	2.168345	3.831883	3.478657	6.696381	0	0
5154	DDX27	3765.661	-0.63208	0.137395	-4.60044	4.22E-06	2.17E-05	4103.594	5634.51	3996.977	2830.337	2924.164	3104.382
2416	AHCY	4434.975	-0.63228	0.087221	-7.24912	4.19E-13	4.62E-12	5228.965	5582.506	5367.568	3370.512	3467.498	3592.802
21319	YIPF7	11.17735	-0.63246	0.7617	-0.83033	0.406352	0.506725	14.09425	15.87494	10.43597	8.928508	10.69555	7.034856
3101	SOC57	2117.035	-0.63256	0.10078	-6.2766	3.46E-10	2.97E-09	2617.193	2614.439	2496.98	1602.667	1585.081	1785.849
15582	RAPGEF1	59.98863	-0.6326	0.365216	-1.73213	0.08325	0.142036	72.63957	65.68942	78.61764	44.64254	64.17332	34.1693
23194	LOC119621	4.615004	-0.63264	1.192687	-0.53043	0.595812	0.682921	7.047123	3.284471	6.957314	2.232127	2.139111	6.029877
3971	ADSL	1929.238	-0.63268	0.11719	-5.39874	6.71E-08	4.49E-07	2556.479	2102.609	2383.576	1468.74	1428.926	1635.102
15468	SEC61G	1992.168	-0.6328	0.361582	-1.7501	0.080101	0.13767	3124.044	1355.392	2787.796	1439.722	1580.803	1665.251
24708	TRNAE-UU	1.365617	-0.63282	2.127901	-0.29739	0.766169	0.824373	1.626259	0.547412	2.782925	2.232127	0	1.004979
5133	DDIAS	847.2485	-0.63287	0.13731	-4.60908	4.04E-06	2.09E-05	963.8296	1175.841	947.5861	669.6381	699.4892	627.1072
7232	ZNF841	420.0114	-0.6329	0.173042	-3.65747	0.000255	0.000936	501.4299	591.7522	439.7022	292.4086	355.0924	339.6831
2281	CLIP4	8383.623	-0.63295	0.084973	-7.44888	9.41E-14	1.10E-12	10558.22	10161.61	9867.558	6386.115	6445.14	6883.104
4332	MAD2L2	2180.682	-0.63364	0.123514	-5.13014	2.90E-07	1.78E-06	2897.452	2289.276	2775.272	1636.149	1625.724	1860.217
5977	LOC103215	478.7249	-0.6337	0.151829	-4.17374	3.00E-05	0.000133	575.6957	593.9418	583.0229	350.4439	340.1186	429.1265
4687	ANP32A	5055.619	-0.63375	0.129541	-4.8923	9.97E-07	5.65E-06	5596.5	7425.094	5426.705	3783.455	3925.268	4176.695
23886	TRNAR-AC	2.717507	-0.63404	1.493683	-0.42448	0.671217	0.747061	2.168345	2.189647	5.565851	2.232127	2.139111	2.009959
3392	SUV39H2	1611.468	-0.63455	0.106628	-5.95109	2.66E-09	2.09E-08	1940.669	2103.156	1834.644	1258.92	1296.301	1235.12
4960	ZC3HC1	1581.853	-0.63484	0.13482	-4.70882	2.49E-06	1.34E-05	2137.989	1682.744	1958.484	1245.527	1084.529	1381.847
22374	LOC103211	7.645488	-0.63489	0.958392	-0.66245	0.507682	0.603232	7.047123	5.474118	15.30609	4.464254	8.556443	5.024897
19683	LOC103245	19.24452	-0.63535	0.592506	-1.07232	0.283578	0.383017	25.47806	19.70683	24.3506	15.62489	19.252	11.05477
5203	GPN2	827.8456	-0.63537	0.138812	-4.5772	4.71E-06	2.41E-05	1090.136	906.514	1028.987	674.1023	566.8643	700.4707
22209	DIRAS3	7.986946	-0.63557	0.919959	-0.69086	0.489651	0.586131	11.38381	10.40082	6.957314	4.464254	10.69555	4.019918
2652	SMARCD2	3760.424	-0.63595	0.092282	-6.89137	5.53E-12	5.54E-11	4567.078	4658.475	4509.035	2955.336	2755.175	3117.446
21316	LOC119624	10.93176	-0.63595	0.7657	-0.83055	0.40623	0.50664	14.63633	10.94824	14.61036	8.928508	6.417332	10.04979
4922	E2F8	1394.601	-0.63599	0.134382	-4.73271	2.22E-06	1.20E-05	1572.05	2009.549	1509.737	1089.278	1084.529	1102.462
4121	YBX3	6277.787	-0.63602	0.120545	-5.27621	1.32E-07	8.51E-07	6990.204	8946.351	6987.23	4723.181	4712.461	5307.297
7238	LOC103221	450.907	-0.63608	0.173988	-3.65588	0.000256	0.000941	575.1536	455.4466	612.2436	395.0865	352.9533	314.5586
6747	MRNIP	431.2636	-0.63614	0.165726	-3.8385	0.000124	0.000488	585.4533	483.912	509.9711	301.3371	323.0057	383.9022
9427	LOC103231	232.7103	-0.63652	0.212088	-3.00122	0.002689	0.007582	300.8579	228.2707	322.8194	176.338	168.9897	198.9859
8950	TMEM267	268.9559	-0.63683	0.203325	-3.13207	0.001736	0.005156	338.804	273.7059	366.6504	209.8199	243.8586	180.8963
4933	TEX30	1914.576	-0.63741	0.13491	-4.72475	2.30E-06	1.24E-05	2343.981	2013.381	2628.473	1595.971	1602.194	1303.458
7315	CUNH2orf3	300.8924	-0.63769	0.175713	-3.62915	0.000284	0.001033	351.272	375.5245	368.0419	245.534	260.9715	204.0108
3140	GAPVD1	6413.921	-0.63786	0.10238	-6.23036	4.65E-10	3.94E-09	7627.155	8598.197	7207.777	4877.197	4823.695	5349.506
7557	RILPL1	1470.692	-0.6381	0.180278	-3.53954	0.000401	0.00141	1392.62	2405.875	1573.744	1194.188	1090.946	1166.781
13954	LOC103230	103.1019	-0.63811	0.315707	-2.02121	0.043258	0.082416	102.9964	145.0641	125.2316	91.51721	100.5382	53.26391
2510	ATG5	3693.329	-0.6383	0.089683	-7.11729	1.10E-12	1.17E-11	4608.276	4415.424	4474.248	2765.605	2866.408	3030.013
4962	ANKRD26	3912.546	-0.63833	0.13562	-4.70677	2.52E-06	1.35E-05	4216.89	5868.255	4206.392	3073.639	3093.154	3016.948
22175	LOC119621	7.802538	-0.63837	0.917844	-0.69551	0.486734	0.583553	12.46799	8.211177	8.348776	4.464254	4.278221	9.044815
8438	FOXF2	317.6245	-0.63838	0.195107	-3.27193	0.001068	0.003365	349.1036	425.339	386.1309	194.195	303.7537	247.2249
20558	GALR1	13.96068	-0.63868	0.676941	-0.94348	0.345437	0.447515	15.7205	17.51718	17.39328	13.39276	10.69555	9.044815
13237	GXYLT2	83.79033	-0.63869	0.295714	-2.15984	0.030785	0.061828	101.3702	114.4091	90.44508	71.42806	57.75599	67.33362
2256	BZW1	19820.34	-0.63873	0.085165	-7.49992	6.39E-14	7.53E-13	24648.67	22643.14	25116.6	15792.3	15765.25	14956.1
4029	NAT10	2051.054	-0.63874	0.119378	-5.35055	8.77E-08	5.79E-07	2370.002	2859.679	2265.997	1564.721	1578.664	1667.261
23365	LOC119621	4.645379	-0.63903	1.267196	-0.50429	0.61406	0.698686	6.505036	4.926706	6.261582	0	2.139111	8.039836
16924	LOC103221	43.07108	-0.63944	0.425505	-1.50278	0.132895	0.208758	43.909	53.64636	58.44144	31.24978	47.06043	24.11951
22105	GABRD	9.302378	-0.63986	0.903611	-0.70812	0.478874	0.575927	11.38381	8.758589	13.2189	4.464254	14.97377	3.014938
4779	LOC119618	558.9925	-0.63987	0.13261	-4.82522	1.40E-06	7.78E-06	685.1972	699.5923	656.7704	457.586	425.683	429.1262
2531	MLX	4013.663	-0.64009	0.090376	-7.0825	1.42E-12	1.49E-11	4931.902	4807.918	4934.823	3180.781	2941.277	3285.278
5846	AVEN	433.8987	-0.64009	0.150604	-4.25018	2.14E-05	9.71E-05	567.0223	489.9336	529.4516	319.1942	355.0924	342.698
18370	LOC119621	26.21798	-0.64027	0.504609	-1.26883	0.2045	0.295952	28.18849	38.31883	29.22072	20.08914	21.39111	20.09959
19514	LOC119620	22.55649	-0.64037	0.582812	-1.09877	0.27187	0.370365	30.35684	19.15941	32.00364	26.78552	14.97377	12.05975
5378	TAF8	626.1143	-0.64039	0.143055	-4.47655	7.59E-06	3.75E-05	709.5911	807.4324	771.5661	430.8005	551.8906	485.4051
24831	RGS1	1.341582	-0.64103	2.320843	-0.27621	0.78239	0.837623	2.168345	2.737059	0	0	2.139111	1.004979
3152	MTMR4	4629.251	-0.64109	0.103096	-6.21838	5.02E-10	4.24E-09	5839.354	5560.609	5534.543	3415.154	3379.795	4046.047
3852	TAF1	3409.042	-0.64141	0.116688	-5.49684	3.87E-08	2.67E-07	3892.18	4802.444	3771.56	2616.053	2603.298	2768.718
4055	NOP2	3036.105	-0.64155	0.120413	-5.32796	9.93E-08	6.51E-07	3610.295	4172.92	3323.509	2334.805	2171.197	2603.902
17646	LOC119621	36.38481	-0.64162	0.459121	-1.39749	0.162266	0.244466	45.53526	31.20247	57.04997	24.5534	27.80844	32.15934
3112	CUL1	10234.47	-0.64194	0.102441	-6.26643	3.69E-10	3.16E-09	12070.64	13858.28	11500.44	7743.248	7720.05	8514.186
4797	NCOA7	1354.278	-0.64195	0.133319	-4.81511	1.47E-06	8.15E-06	1556.33	1925.795	1470.776	1095.974	990.4082	1086.383
3839	LYRM9	1033.57	-0.64212	0.116604	-5.50681	3.65E-08	2.53E-07	1249.509	1240.435	1284.32	881.6902	795.7492	749.7147
3808	BTBD1	4837.874	-0.64222	0.116101	-5.53156	3.17E-08	2.22E-07	5399.18	6882.061	5411.399	3772.295	3709.218	3853.091
2129	RPL32	17857.57	-0.64224	0.083005	-7.7373	1.02E-14	1.27E-13	21087.16	21095.61	23121.94	13807.9		



3557	PFDN2	1249.149	-0.6424	0.110759	-5.79997	6.63E-09	4.96E-08	1528.141	1606.654	1433.902	1008.921	928.374	988.8998
4476	WDR5B	627.0635	-0.64278	0.12791	-5.02529	5.03E-07	2.99E-06	784.9411	771.3032	738.8667	493.3001	468.4652	505.5047
2778	GFM2	2574.483	-0.64299	0.095492	-6.73342	1.66E-11	1.59E-10	3127.296	3301.988	2984.688	1995.522	2070.659	1966.745
5430	ANP32B	8486.997	-0.64305	0.144627	-4.44626	8.74E-06	4.28E-05	8827.877	13200.84	9014.591	6502.186	6678.304	6698.188
4697	NT5DC3	958.8555	-0.64328	0.13167	-4.88559	1.03E-06	5.84E-06	1135.129	1321.452	1050.554	716.5128	780.7754	748.7097
4602	RBM8A	2514.247	-0.64329	0.130167	-4.94208	7.73E-07	4.47E-06	2791.203	3645.215	2762.054	1832.576	2036.433	2017.999
4049	STAT4	2965.283	-0.64371	0.120643	-5.33562	9.52E-08	6.25E-07	3362.02	4227.661	3257.414	2366.055	2278.153	2300.398
2587	U2AF2	6925.763	-0.64382	0.091956	-7.00143	2.53E-12	2.60E-11	8480.941	8516.633	8346.689	5544.603	4941.346	5724.363
3449	CKAP5	13777.79	-0.64418	0.109176	-5.90041	3.63E-09	2.79E-08	15656.54	19136.97	15622.65	10642.78	10115.85	11491.94
14986	SLC43A1	55.28205	-0.64418	0.35077	-1.83649	0.066286	0.117589	60.17159	71.71095	70.26887	42.41041	44.92132	42.20914
23251	LOC103231	4.657889	-0.64432	1.234071	-0.52211	0.601593	0.687856	5.420864	4.379295	7.653045	4.464254	0	6.029877
13939	LOC103241	85.61759	-0.64464	0.318318	-2.02513	0.042854	0.081732	120.8853	75.54283	116.1871	69.19594	70.59065	61.30375
3014	TYW5	1559.744	-0.64467	0.100782	-6.39669	1.59E-10	1.40E-09	1901.097	1977.251	1829.774	1196.42	1227.85	1226.075
14998	SCG3	65.88085	-0.64477	0.351379	-1.83496	0.066511	0.117895	70.47123	96.34448	75.83472	35.71403	55.61688	61.30375
25171	LOC119621	0.874975	-0.64485	2.948276	-0.21872	0.826866	0.873351	1.626259	0	1.391463	2.232127	0	0
3044	MAP3K20	12412.04	-0.64489	0.101589	-6.348	2.18E-10	1.91E-09	14294.28	17032.17	14099	9584.753	9431.339	10030.7
3060	CUL7	4178.423	-0.64495	0.102022	-6.32166	2.59E-10	2.25E-09	5346.056	4824.34	5129.627	3207.566	3003.311	3559.637
4807	LOC103211	1977.906	-0.64497	0.134108	-4.80932	1.51E-06	8.38E-06	2264.295	2829.572	2149.81	1417.401	1505.934	1700.425
2242	TMEM33	3937.484	-0.6453	0.08572	-7.52796	5.15E-14	6.11E-13	4892.329	4843.5	4675.315	3129.442	2999.033	3085.287
2769	SNRPA	2792.328	-0.6454	0.095687	-6.74497	1.53E-11	1.47E-10	3271.491	3629.34	3318.639	2236.591	2124.137	2173.771
3800	MED13	10634.05	-0.64554	0.116512	-5.54058	3.01E-08	2.11E-07	12085.27	15156.19	11685.5	7995.479	8060.169	8821.71
19384	PRR22	20.74071	-0.64565	0.576556	-1.11984	0.26278	0.360401	27.6464	19.70683	27.82925	20.08914	17.11289	12.05975
8292	PRKN	212.4115	-0.64591	0.194835	-3.31516	0.000916	0.002937	247.7335	269.874	257.4206	178.5702	171.1289	149.7419
3519	SHMT2	5546.273	-0.64607	0.110635	-5.83963	5.23E-09	3.95E-08	7350.691	6337.934	6624.058	4194.167	3933.825	4836.966
18882	LOC103211	22.73653	-0.64614	0.535552	-1.20649	0.227629	0.320475	25.47806	30.65506	27.13352	20.08914	14.97377	18.08963
17642	LOC103221	35.96784	-0.64641	0.461995	-1.39917	0.161761	0.24376	39.5723	51.45671	40.35242	40.17829	17.11289	27.13445
3020	KIFC1	2292.249	-0.64647	0.101197	-6.38822	1.68E-10	1.48E-09	2764.098	2868.985	2766.228	1642.845	1796.853	1914.486
1891	LOC103221	13201.29	-0.64654	0.078687	-8.21663	2.09E-16	2.94E-15	16402.45	16376.92	15554.47	10196.36	10272.01	10405.56
16075	SYCE1L	50.06918	-0.64657	0.391287	-1.65242	0.098449	0.162817	61.79785	59.12048	61.92009	26.78552	55.61688	35.17428
4702	HNRNPUL1	7649.556	-0.64699	0.132473	-4.88394	1.04E-06	5.88E-06	8216.945	11452.95	8342.515	5761.12	5854.746	6269.062
3469	PLOD2	4804.488	-0.647	0.109871	-5.88875	3.89E-09	2.98E-08	5657.213	6607.261	5329.302	3877.205	3503.863	3852.086
15116	LOC103221	61.31825	-0.64706	0.357392	-1.81051	0.070216	0.123492	69.92914	85.94365	67.48594	40.17829	64.17332	40.19918
22291	LOC103231	6.877794	-0.64717	0.957682	-0.67577	0.499188	0.595348	8.131296	10.40082	6.957314	4.464254	4.278221	7.034856
3821	LOC103211	1212.004	-0.64727	0.117202	-5.5227	3.34E-08	2.32E-07	1594.276	1362.508	1482.604	982.1359	887.7309	962.7703
5116	GNPNAT1	2320.848	-0.6473	0.14009	-4.6206	3.83E-06	1.99E-05	2503.897	3448.694	2542.202	1935.254	1809.688	1685.351
5042	TRMT13	873.7815	-0.64745	0.138773	-4.66555	3.08E-06	1.62E-05	1027.796	1157.776	1008.81	656.2453	785.0536	607.0076
10087	SHF	198.1418	-0.64755	0.227953	-2.84071	0.004501	0.011864	266.1644	186.12	274.1182	151.7846	151.8769	158.7868
4808	CCP110	1611.451	-0.64762	0.134684	-4.80843	1.52E-06	8.41E-06	1813.821	2345.112	1740.72	1270.08	1274.91	1224.065
5417	TLNRD1	584.0843	-0.64773	0.145494	-4.45195	8.51E-06	4.18E-05	642.3723	795.9368	703.3844	437.4969	444.935	480.3802
19236	LOC103241	26.53081	-0.64783	0.564667	-1.14728	0.251267	0.347262	28.73058	31.20247	36.87376	8.928508	36.36488	17.08465
6629	ZNF830	870.697	-0.64787	0.166619	-3.88834	0.000101	0.000405	944.3145	1332.4	909.3209	736.6019	667.4025	634.142
21237	LOC119621	11.64075	-0.64791	0.767143	-0.84458	0.398348	0.498662	13.55216	12.59047	16.00182	6.696381	14.97377	6.029877
7570	LOC103211	329.2487	-0.64792	0.183284	-3.53505	0.000408	0.001432	443.9687	337.2057	427.1791	254.4625	235.3022	277.3743
3025	NSMCE1	2348.254	-0.64808	0.101641	-6.37614	1.82E-10	1.60E-09	3035.684	2641.262	2926.942	1794.63	1809.688	1881.322
2433	UHMK1	16889.3	-0.64808	0.089719	-7.22344	5.07E-13	5.54E-12	20626.39	21627.69	19614.75	12560.18	12841.08	14065.69
4158	PHF14	4449.931	-0.64811	0.123425	-5.2511	1.51E-07	9.67E-07	5052.787	6459.459	4785.936	3426.315	3520.976	3454.114
4238	LOC103241	1711.045	-0.64818	0.12477	-5.19502	2.05E-07	1.28E-06	1964.521	2420.655	1881.953	1354.901	1300.579	1343.658
5018	OPN3	499.6034	-0.64836	0.138593	-4.67816	2.89E-06	1.53E-05	597.9213	603.7952	628.2454	412.9435	365.7879	388.9271
2675	KARS1	8845.599	-0.64883	0.094507	-6.86542	6.63E-12	6.59E-11	11081.33	10790.58	10543.81	6694.149	6417.332	7546.391
20023	LOC103221	16.41036	-0.64887	0.63365	-1.02402	0.305826	0.406052	18.97302	24.63353	16.69755	13.39276	10.69555	14.06971
22244	LAMP3	8.959242	-0.6489	0.947153	-0.6851	0.493279	0.589556	5.420864	14.78012	11.82743	11.16063	8.556443	2.009959
3905	MON1B	1005.953	-0.64914	0.119303	-5.44111	5.29E-08	3.60E-07	1254.93	1165.987	1270.405	765.6196	731.5758	847.1977
3279	PWWP3A	2124.592	-0.64915	0.107166	-6.05747	1.38E-09	1.12E-08	2764.64	2436.53	2589.512	1551.328	1625.724	1779.819
15096	BRME1	58.90185	-0.64917	0.357303	-1.81686	0.069238	0.121935	71.5554	59.66789	84.1835	40.17829	55.61688	42.20914
5457	MINDY4	596.2078	-0.64918	0.146315	-4.43689	9.13E-06	4.45E-05	698.7493	787.1782	704.0801	448.6575	414.9875	523.5943
19253	LOC103231	21.38655	-0.64928	0.567299	-1.14451	0.252414	0.348539	29.27266	18.612	30.61218	15.62489	17.11289	17.08465
3098	GTF2H3	1772.879	-0.64934	0.103375	-6.28135	3.36E-10	2.88E-09	2106.548	2280.518	2103.196	1426.329	1418.23	1302.453
16498	TIFA	41.25326	-0.64939	0.412148	-1.57562	0.115114	0.185496	50.95612	44.34036	54.96278	40.17829	29.94755	27.13445
22822	LOC119621	5.488761	-0.64955	1.101868	-0.5895	0.555527	0.647123	6.505036	3.831883	9.740239	6.696381	2.139111	4.019918
2569	EIF2D	4042.96	-0.64957	0.092477	-7.02411	2.15E-12	2.23E-11	5038.693	4859.375	4922.995	3153.995	2939.138	3343.567
3100	LOC103241	2232.092	-0.64965	0.103469	-6.27867	3.41E-10	2.93E-09	2772.772	2810.96	2602.731	1662.935	1657.811	1885.341
3383	PRTG	2063.008	-0.64984	0.10909	-5.95688	2.57E-09	2.02E-08	2427.463	2784.136	2350.876	1580.346	1567.968	1667.261
16888	LOC119621	37.93058	-0.64989	0.43081	-1.50854	0.131417	0.206876	49.87195	48.17224	40.35242	24.5534	38.50399	26.12947
4220	NXT1	647.5619	-0.64999	0.124903	-5.20395	1.95E-07	1.23E-06	813.1296	780.6092	779.2191	495.5322	513.3866	503.4947
6339	PAQR8	399.2315	-0.65009	0.16213	-4.00966	6.08E-05	0.000255	485.1673	520.0412	462.6614	292.4086	282.3626	352.7478
3181	EBNA1BP2	4080.348	-0.65026	0.105159	-6.18361	6.27E-10	5.24E-09	4691.215	5508.605	4750.454	3399.529	3061.067	3071.217
3053	DUT	1779.022	-0.6503	0.102649	-6.33512	2.37E-10	2.07E-09	2288.689	2075.786	2158.854	1392.847	1319.831	1438.126
3307	LOC103211	1924.053	-0.65036	0.107793	-6.0334	1.61E-09	1.29E-08	2267.005	2557.508	2231.211	1475.436	1435.343	1577.818
4846	CFAP97	3298.803	-0.65041	0.135977	-4.78325	1.72E-06	9.46E-06	3563.676	4932.18	3591.365	2633.91	2622.55	2449.135
3366	LSM14A	4944.696	-0.65044	0.108922	-5.97159	2.35E-09	1.86E-08	5769.967	6820.751	5535.935	3778.991	3696.383	4066.147
2657	LOC119621	2496.759	-0.65061	0.094505	-6.88446	5.80E-12	5.80						



4426	CUNH17or	1451.162	-0.65102	0.128681	-5.05922	4.21E-07	2.53E-06	1661.495	2062.1	1593.921	1136.153	1150.842	1102.462
6219	EIF3A	23499.02	-0.65126	0.160142	-4.06675	4.77E-05	0.000204	24128.26	38230.15	23787.75	17553.45	17788.84	19505.65
2315	WSB1	11029.81	-0.65132	0.088131	-7.39038	1.46E-13	1.68E-12	14493.76	12874.03	13068.62	8390.565	8620.616	8731.262
3881	ORC6	1317.63	-0.65139	0.119185	-5.46542	4.62E-08	3.16E-07	1689.683	1431.482	1709.412	986.6001	1069.555	1019.049
25164	GPRC6A	0.862135	-0.65153	2.961229	-0.22002	0.825855	0.872456	0	1.642235	1.391463	0	2.139111	0
25165	LOC119620	0.862135	-0.65153	2.961229	-0.22002	0.825855	0.872456	0	1.642235	1.391463	0	2.139111	0
5095	TCEANC2	516.9987	-0.65172	0.140712	-4.63155	3.63E-06	1.89E-05	621.231	662.9157	610.1564	377.2295	438.5177	391.942
4650	LOC103220	1854.351	-0.65184	0.13257	-4.91695	8.79E-07	5.03E-06	2381.928	1948.786	2471.238	1549.096	1253.519	1521.539
4210	TPX2	6502.489	-0.65213	0.125184	-5.20939	1.89E-07	1.20E-06	7155.54	9521.134	7168.816	5008.893	4847.225	5313.326
18046	FES	34.34354	-0.65233	0.488584	-1.33515	0.181826	0.267863	38.48813	33.39212	53.57132	17.85702	40.6431	22.10955
17431	LOC103215	31.2424	-0.65269	0.45884	-1.42248	0.154886	0.236225	37.40396	38.31883	38.26523	24.5534	27.80844	21.10457
2251	TOMM22	4731.644	-0.65282	0.08697	-7.50619	6.09E-14	7.19E-13	5613.304	6081.745	5656.992	3729.884	3640.766	3667.17
3239	GPR180	1569.089	-0.65283	0.106665	-6.12032	9.34E-10	7.67E-09	1852.309	2051.152	1852.037	1160.706	1264.214	1234.115
9275	LOC119615	210.0378	-0.65286	0.214866	-3.03844	0.002378	0.006816	228.7604	286.2964	251.8548	194.195	160.4333	138.6872
6202	MTX1	633.72	-0.65297	0.16033	-4.07269	4.65E-05	0.000199	826.1396	691.9285	809.1356	546.8711	393.5964	534.6491
2466	ACTL6A	2205.631	-0.65329	0.091084	-7.17244	7.37E-13	7.94E-12	2694.711	2696.551	2700.133	1698.649	1709.149	1734.595
3286	PRPF4	2891.2	-0.65336	0.10793	-6.05352	1.42E-09	1.15E-08	3691.608	3517.121	3405.605	2151.77	2070.659	2510.439
16738	SAMD10	41.15911	-0.65342	0.42532	-1.5363	0.124464	0.197686	43.36691	61.85754	44.52681	35.71403	36.36488	25.12449
3713	SRSF3	8130.858	-0.65358	0.116041	-5.63226	1.78E-08	1.27E-07	10518.1	8480.504	10833.23	5991.029	6126.413	6835.87
8607	LOC103220	181.0873	-0.65359	0.202579	-3.22634	0.001254	0.003873	224.9658	214.5854	224.0255	145.0883	141.1813	136.6772
12722	LOC103220	103.3715	-0.65389	0.290239	-2.25295	0.024262	0.0507	144.7371	102.9134	133.5804	80.35657	64.17332	94.46807
21363	TRNAI-AAI	11.49212	-0.65393	0.795446	-0.82209	0.411027	0.511498	17.34676	7.116354	18.08902	8.928508	6.417332	11.05477
27594	LOC103240	0.631317	-0.65406	3.765776	-0.17368	0.862114	NA	0	0	2.782925	0	0	1.004979
6943	CENPM	1621.875	-0.65416	0.173953	-3.76054	0.00017	0.000649	2274.594	1446.262	2234.689	1194.188	1127.311	1454.205
3303	INTS13	1412.143	-0.65419	0.108361	-6.03711	1.57E-09	1.26E-08	1709.74	1839.304	1632.882	1049.1	1127.311	1114.522
4005	SUV39H1	863.6186	-0.65427	0.12182	-5.37079	7.84E-08	5.20E-07	1070.078	1055.41	1049.163	631.6919	641.7332	733.635
11740	LOC103220	111.4898	-0.65434	0.26595	-2.46039	0.013879	0.031428	138.232	146.7064	122.4487	80.35657	104.8164	76.37844
6326	ZFP69	363.8729	-0.65438	0.163069	-4.0129	6.00E-05	0.000252	412.5277	495.9551	427.1791	276.7837	282.3626	288.4291
3917	DHRS11	1186.643	-0.65451	0.120466	-5.43318	5.54E-08	3.76E-07	1514.047	1388.784	1458.949	859.3689	870.618	1028.094
24999	LOC119620	0.86036	-0.65454	2.666169	-0.2455	0.806071	0.857176	1.084173	0.547412	1.391463	0	2.139111	0
25000	TRNAG-GC	0.86036	-0.65454	2.666169	-0.2455	0.806071	0.857176	1.084173	0.547412	1.391463	0	2.139111	0
4118	ZBED4	1111.596	-0.65458	0.124031	-5.27753	1.31E-07	8.45E-07	1310.765	1502.098	1268.318	886.1544	795.7492	906.4915
3033	LOC119620	2539.65	-0.65495	0.102931	-6.36295	1.98E-10	1.73E-09	3187.468	3103.825	3036.867	1828.112	1920.921	2160.706
2952	PIPAK2B	6253.031	-0.65562	0.101085	-6.4858	8.83E-11	7.95E-10	7467.24	8225.957	7264.827	4712.02	4549.888	5298.252
9239	LOC119620	245.3807	-0.65587	0.215398	-3.04491	0.002327	0.006697	266.1644	371.1452	262.9865	212.0521	168.9897	190.9461
5322	LOC119620	447.7566	-0.65609	0.14555	-4.50769	6.55E-06	3.27E-05	552.386	524.4205	565.6296	374.9973	329.423	339.6831
3818	PNPO	1399.636	-0.65646	0.118758	-5.52773	3.24E-08	2.26E-07	1747.144	1770.33	1625.924	1120.528	954.0434	1179.846
16712	ANO5	44.67304	-0.6567	0.426505	-1.53972	0.12363	0.196667	59.08741	54.74118	48.00546	40.17829	44.92132	21.10457
15345	STYK1	50.36974	-0.65679	0.370784	-1.77136	0.0765	0.132536	68.30288	60.2153	55.65851	37.94616	44.92132	35.17428
4605	HNRNPM	8776.088	-0.65704	0.132979	-4.94096	7.77E-07	4.49E-06	9580.292	13106.68	9539.173	6636.114	6423.749	7370.519
24987	OLAH	0.87675	-0.65718	2.653182	-0.24769	0.80437	0.855825	0.542086	1.094824	1.391463	2.232127	0	0
20894	LOC103220	12.97812	-0.65738	0.737698	-0.89112	0.372864	0.474423	13.55216	15.32753	19.48048	11.16063	4.278221	14.06971
3725	BAG2	2509.47	-0.65763	0.1171	-5.61601	1.95E-08	1.39E-07	2972.26	3485.371	2753.009	1993.289	2010.764	1842.127
3497	NUP50	5655.92	-0.65766	0.11229	-5.85679	4.72E-09	3.59E-08	6414.508	7945.135	6413.948	4247.738	4278.221	4635.97
4129	ALCAM	5350.867	-0.65773	0.124774	-5.27131	1.35E-07	8.72E-07	6006.859	7852.622	5790.572	4140.596	4100.675	4213.879
1642	SEPTIN2	32482.17	-0.65795	0.074164	-8.87161	7.21E-19	1.17E-17	39461.72	39674.77	40151.35	25397.14	25305.68	24902.39
15549	LOC103240	64.22129	-0.65835	0.379337	-1.73552	0.082649	0.141302	89.98634	54.74118	93.228	42.41041	40.6431	64.31869
12193	LOC103215	108.4003	-0.65851	0.2781	-2.36788	0.01789	0.039012	138.7741	133.0211	123.1445	93.74933	98.39909	63.31371
23714	LOC119620	2.732807	-0.65854	1.456844	-0.45203	0.651248	0.730093	3.252518	3.284471	3.478657	2.232127	2.139111	2.009959
2481	RHOT1	2894.872	-0.65868	0.092079	-7.15338	8.47E-13	9.07E-12	3451.464	3730.612	3449.436	2274.537	2248.205	2214.975
20460	LOC119620	17.99354	-0.65885	0.691804	-0.95236	0.340913	0.44297	21.68345	21.34906	21.56767	20.08914	19.252	4.019918
1928	SEMA3C	22032.75	-0.65896	0.080937	-8.14156	3.90E-16	5.38E-15	27013.25	27968.91	25959.13	16845.86	16725.71	17683.62
4470	FAM120AC	1398.602	-0.65909	0.131069	-5.02858	4.94E-07	2.94E-06	1711.367	1956.45	1471.472	1089.278	1037.469	1125.577
12151	LOC103240	126.9687	-0.65934	0.277603	-2.37513	0.017543	0.038382	169.1309	116.5987	179.4987	118.3027	89.84265	88.43819
23681	LOC119620	3.147185	-0.65946	1.445618	-0.45618	0.64826	0.727694	1.626259	5.474118	4.174388	4.464254	2.139111	1.004979
7043	NUFIP1	412.2063	-0.6598	0.177592	-3.71524	0.000203	0.000766	447.2213	607.0797	460.5742	294.6408	340.1186	323.6034
2919	ELAVL1	4298.364	-0.65985	0.101087	-6.52758	6.68E-11	6.09E-10	5159.578	5631.225	5009.962	3071.407	3341.291	3576.722
4632	LOC103240	596.9976	-0.65986	0.133878	-4.92881	8.27E-07	4.75E-06	721.517	746.6697	721.4734	506.6928	453.4915	432.1412
8146	FOXCl	733.7371	-0.66007	0.196119	-3.36568	0.000764	0.002492	724.2274	1200.474	768.7832	555.7996	639.5941	513.5445
2147	MTPN	19782.94	-0.6603	0.085905	-7.68644	1.51E-14	1.87E-13	24934.89	23722.09	24050.74	14644.99	14941.69	16403.27
16699	LOC103220	37.67315	-0.66034	0.427969	-1.54297	0.122839	0.195561	50.95612	41.05589	47.30973	29.01765	23.53022	34.1693
14059	LOC119620	67.90308	-0.66043	0.329877	-2.00205	0.04528	0.085622	93.23886	74.44801	83.48776	46.87467	47.06043	62.30873
3990	DAZAP1	3775.684	-0.66046	0.122727	-5.38154	7.38E-08	4.92E-07	4162.681	5480.14	4231.438	2915.158	2973.364	2891.326
23073	MC5R	4.523665	-0.66059	1.199701	-0.55063	0.581888	0.670458	7.047123	4.379295	4.87012	6.696381	2.139111	2.009959
3824	ZNF580	1645.886	-0.6606	0.11965	-5.52105	3.37E-08	2.34E-07	2114.137	1823.429	2115.023	1337.044	1138.007	1347.677
4622	HNRNPC	34697.28	-0.66071	0.133925	-4.93345	8.08E-07	4.65E-06	37199.05	52490.22	37825.52	27470.79	28255.51	24942.59
8666	YIF1A	1443.542	-0.66079	0.205689	-3.21259	0.001315	0.004035	2194.366	1111.793	2002.315	1080.349	1018.217	1254.214
11077	LOC119618	119.2794	-0.661	0.25324	-2.61016	0.00905	0.02172	150.7	139.0426	150.9737	89.28508	79.14709	106.5278
9701	CCDC17	156.0945	-0.66145	0.225851	-2.92872	0.003404	0.009327	200.572	170.2451	203.1536	109.3742	132.6249	120.5975
2783	AKIRIN1	2676.207	-0.66147	0.098354	-6.72543	1.75E-11	1.67E-10	3339.794	3282.829	3220.541	1897.308	2136.972	2179.8
7210	AGER	352.459	-0.66149	0.180569	-3.66337	0.000249	0.000918	373.4975	504.1663				



6980	EMC9	678.7942	-0.66213	0.176987	-3.74112	0.000183	0.000698	892.2742	656.3468	951.0648	544.639	438.5177	589.9229
5213	TRMT44	469.0249	-0.66216	0.144805	-4.57279	4.81E-06	2.45E-05	605.5105	570.9505	551.0192	341.5154	357.2315	387.9221
7776	LOC10324	926.0722	-0.66237	0.190818	-3.47121	0.000518	0.001771	1336.243	809.0747	1264.144	698.6557	618.203	830.113
7432	LOC10322	245.3563	-0.66256	0.184734	-3.58653	0.000335	0.001199	316.5784	276.9904	310.2962	189.7308	177.5462	200.9959
7201	TWIST2	328.412	-0.66279	0.180776	-3.66638	0.000246	0.000908	421.2011	375.5245	416.0474	209.8199	252.4151	295.464
5267	CCDC43	1701.815	-0.6628	0.145901	-4.5428	5.55E-06	2.80E-05	1874.535	2581.594	1801.944	1305.794	1313.414	1333.608
2519	RAN	19740.63	-0.66319	0.093426	-7.09852	1.26E-12	1.33E-11	25744.77	21946.83	24909.97	15495.43	14721.36	15625.42
12457	LOC11962	102.1004	-0.66338	0.287267	-2.30927	0.020928	0.044665	115.4644	151.0857	107.1426	89.28508	81.28621	68.3386
24583	LOC10322	1.838982	-0.66341	2.080428	-0.31888	0.749816	0.810879	2.710432	0	4.174388	0	2.139111	2.009959
24012	LOC11961	2.244827	-0.66353	1.639218	-0.40479	0.685635	0.759104	1.626259	4.379295	2.087194	2.232127	2.139111	1.004979
8697	LOC11962	209.8845	-0.66355	0.207095	-3.20411	0.001355	0.004141	287.3058	228.2707	258.1163	140.624	171.1289	173.8614
4101	TP53	3066.878	-0.66357	0.125301	-5.29584	1.18E-07	7.68E-07	3397.797	4391.338	3496.05	2234.359	2305.961	2575.762
3258	CTPS2	2169.603	-0.6639	0.109055	-6.08773	1.15E-09	9.34E-09	2528.833	2899.093	2558.204	1651.774	1580.803	1798.913
5169	PLAGL1	708.7435	-0.66476	0.144684	-4.59455	4.34E-06	2.23E-05	818.5504	998.4791	792.438	558.0317	509.1083	575.8532
23791	LOC10323	2.811734	-0.66486	1.51946	-0.43756	0.661703	0.739413	3.252518	3.284471	4.174388	0	2.139111	4.019918
8324	LOC11962	435.4129	-0.66506	0.201095	-3.30721	0.000942	0.00301	653.7562	390.3046	557.2808	359.3724	325.1448	326.6183
5253	MIS18BP1	1990.055	-0.66513	0.146136	-4.55145	5.33E-06	2.70E-05	2144.494	3040.873	2137.983	1506.686	1529.464	1580.833
4341	ZNF334	959.9905	-0.66533	0.129795	-5.12598	2.96E-07	1.81E-06	1126.455	1333.495	1072.818	729.9055	746.5496	750.7197
4685	ACAD10	1388.49	-0.66579	0.136066	-4.89311	9.93E-07	5.63E-06	1965.605	1465.969	1682.278	1060.26	1001.104	1155.726
4684	TRMT1	1545.825	-0.66582	0.136064	-4.89344	9.91E-07	5.62E-06	2116.305	1598.99	1977.269	1234.366	1071.694	1276.324
4855	ZNF770	5277.52	-0.66585	0.139357	-4.77806	1.77E-06	9.69E-06	5529.281	8071.587	5823.272	3968.722	4049.336	4222.924
5669	BTBD6	693.571	-0.66595	0.153464	-4.33948	1.43E-05	6.70E-05	877.6378	748.312	932.9758	517.8535	470.6043	614.0425
2541	PTAR1	4641.974	-0.666	0.094278	-7.06423	1.62E-12	1.69E-11	5620.351	5940.513	5531.76	3392.833	3510.281	3856.106
10131	CEL	137.6517	-0.66605	0.235261	-2.83109	0.004639	0.012173	183.2252	164.2235	160.7139	104.91	96.25998	116.5776
10148	PLCH2	136.5836	-0.66616	0.235698	-2.82633	0.004708	0.012335	177.2622	154.3701	171.1499	116.0706	94.12087	106.5278
3599	MTDH	10331.53	-0.66616	0.115994	-5.7431	9.30E-09	6.87E-08	11879.82	14903.83	11242.32	7928.515	7976.744	8057.925
3237	PHF5A	3094.675	-0.6662	0.10878	-6.12425	9.11E-10	7.48E-09	3900.854	3368.772	4117.338	2441.947	2457.838	2281.303
6681	NR6A1	328.0973	-0.66652	0.172448	-3.86504	0.000111	0.000442	403.3123	423.1493	384.0437	212.0521	271.6671	274.3594
21813	LOC11962	8.217272	-0.66656	0.879537	-0.75785	0.44854	0.546635	8.673382	13.13788	8.348776	6.696381	6.417332	6.029877
3781	MGME1	1453.523	-0.66675	0.119847	-5.56332	2.65E-08	1.86E-07	1812.195	1901.161	1637.056	1225.438	1009.66	1135.627
7288	GPC6	231.7719	-0.66683	0.183285	-3.63822	0.000275	0.001001	288.3899	283.5593	281.0755	189.7308	168.9897	178.8863
21120	LOC11962	10.90529	-0.66721	0.77429	-0.8617	0.388852	0.489448	10.84173	14.23271	14.61036	11.16063	8.556443	6.029877
24078	TRNAN-GL	2.324642	-0.66744	1.696435	-0.39344	0.693997	0.766256	1.084173	4.926706	2.782925	0	2.139111	3.014938
3013	RBMX	17337.71	-0.6676	0.104334	-6.39864	1.57E-10	1.38E-09	19890.23	24288.11	19659.28	13142.76	13529.87	13515.97
3766	DDX11	969.0437	-0.66771	0.119681	-5.57905	2.42E-08	1.71E-07	1155.186	1244.267	1170.916	787.9408	678.0981	777.8541
3386	TTC17	3179.882	-0.66775	0.112122	-5.95557	2.59E-09	2.03E-08	3684.019	4449.911	3575.364	2475.429	2402.221	2492.349
2536	TMEM181	3584.65	-0.66804	0.094464	-7.07185	1.53E-12	1.60E-11	4422.341	4539.139	4241.178	2883.908	2571.211	2850.122
24175	KRT25	2.230212	-0.66824	1.766467	-0.37829	0.705215	0.775517	1.084173	4.926706	2.087194	0	4.278221	1.004979
2409	HAUS4	4054.757	-0.66826	0.092	-7.26371	3.77E-13	4.16E-12	5139.521	4648.074	5147.716	3104.889	3082.458	3205.885
5848	HNRNPA3	5816.223	-0.66844	0.157299	-4.24948	2.14E-05	9.74E-05	6018.243	9384.281	6017.381	4343.719	4618.34	4515.373
19367	LOC11962	20.77934	-0.66855	0.594163	-1.12519	0.260509	0.357599	32.52518	23.53871	20.87194	20.08914	8.556443	19.09461
4226	EPRS1	22492.96	-0.66876	0.128603	-5.20016	1.99E-07	1.25E-06	24961.45	33749.58	24135.62	17057.91	16903.25	18149.93
2659	GTF3C3	2712.911	-0.66877	0.097202	-6.88025	5.97E-12	5.97E-11	3441.164	3344.686	3212.887	2046.86	1995.79	2236.079
13209	LOC10324	165.4171	-0.6689	0.30884	-2.16584	0.030323	0.061029	257.491	126.4521	226.8084	147.3204	87.70354	146.727
8189	DNAH10	273.5438	-0.66911	0.199766	-3.34948	0.00081	0.002628	319.831	378.2616	304.7303	238.8376	262.7457	172.8565
19295	LOC10324	23.2355	-0.66913	0.588821	-1.13638	0.255796	0.35244	35.23561	18.612	30.61218	26.78552	17.11289	11.05477
3563	THOP1	2706.307	-0.66917	0.115556	-5.79088	7.00E-09	5.22E-08	3469.353	3060.579	3448.74	1917.397	1985.095	2356.677
11804	LOC11962	125.2409	-0.66924	0.273393	-2.44791	0.014369	0.032361	192.4407	128.6418	138.4505	102.6778	104.8164	84.41828
3453	CENPV	1839.097	-0.66924	0.113464	-5.8983	3.67E-09	2.83E-08	2388.975	2006.812	2379.401	1470.972	1358.335	1430.086
5076	LOC10324	731.7671	-0.6693	0.144096	-4.64483	3.40E-06	1.78E-05	835.8972	1040.63	820.963	553.5675	547.613	591.9329
3064	ARL5B	2798.399	-0.6693	0.10597	-6.31594	2.69E-10	2.33E-09	3210.235	3818.745	3276.895	2194.181	2181.893	2108.447
2575	SLC25A32	2263.802	-0.66932	0.095395	-7.0163	2.28E-12	2.35E-11	2865.469	2637.43	2837.193	1761.148	1719.845	1761.729
2282	RPL37A	26618.92	-0.66966	0.08996	-7.44399	9.77E-14	1.14E-12	34385.08	30119.69	33562.78	20999.85	19619.92	21026.18
2841	NSL1	2873.925	-0.66989	0.101033	-6.63042	3.35E-11	3.13E-10	3493.747	3430.63	3656.068	2252.216	2380.83	2030.059
2913	SMIM15	3493.173	-0.66993	0.102588	-6.5303	6.56E-11	5.99E-10	4084.079	4722.522	4067.246	2611.589	2654.636	2818.967
3507	NOLC1	7197	-0.67022	0.114579	-5.84941	4.93E-09	3.74E-08	8171.41	10089.89	8263.201	5361.569	5225.847	6070.076
3186	ALKBH3	1555.326	-0.67089	0.108572	-6.17922	6.44E-10	5.38E-09	1786.717	2054.437	1890.302	1243.295	1157.259	1199.945
4302	ERCC6L	1936.38	-0.67099	0.130203	-5.15344	2.56E-07	1.58E-06	2143.952	2797.274	2198.511	1464.275	1420.369	1593.897
2109	EDF1	8311.489	-0.67105	0.086192	-7.78558	6.94E-15	8.75E-14	9930.48	10644.97	10058.88	6562.453	6081.492	6590.655
24454	LOC10324	1.788325	-0.67159	1.990395	-0.33742	0.735803	0.799946	0.542086	1.642235	4.174388	2.232127	2.139111	0
4141	DPM2	1025.773	-0.6716	0.127592	-5.26363	1.41E-07	9.07E-07	1221.321	1415.06	1145.87	799.1015	757.2452	816.0433
10382	CCDC163	141.4531	-0.67199	0.242642	-2.76947	0.005615	0.014378	180.5148	154.9175	185.7603	91.51721	130.4858	105.5228
6965	LOC10324	301.1406	-0.67209	0.179189	-3.75071	0.000176	0.000673	361.0295	328.4471	420.9175	232.1412	233.1631	231.1453
4517	KNOP1	1974.887	-0.6721	0.13436	-5.00227	5.67E-07	3.33E-06	2248.574	2900.735	2133.112	1513.382	1454.595	1598.922
3248	CDK4	6083.991	-0.67227	0.110198	-6.10055	1.06E-09	8.65E-09	8075.461	6564.015	7795.67	4665.145	4378.76	5024.897
5241	HNRNPAB	8078.801	-0.67254	0.147538	-4.55843	5.15E-06	2.61E-05	8521.598	12716.92	8548.451	6238.795	5931.754	6515.282
4007	CDON	973.1036	-0.67289	0.125344	-5.36838	7.94E-08	5.27E-07	1216.984	1272.185	1104.126	703.12	725.1585	817.0483
7011	PKMYT1	768.1738	-0.67292	0.180447	-3.72919	0.000192	0.000728	1059.779	701.2345	1075.601	542.4069	564.7252	665.2964
21506	LOC10323	9.586654	-0.67299	0.8384	-0.80271	0.422141	0.521854	9.757555	9.853413	15.30609	11.16063	6.417332	5.024897
3193	CUNH4orf4	1202.008	-0.67312	0.109129	-6.16808	6.91E-10	5.76E-09	1487.485	1430.934	1511.824	895.0829	988.2691	898.4516
7844	FAAP100	1585.307	-0.67329	0.194884	-3.45481	0.000551	0.001866	2344.524	1283.133	2222.166	1		



19311	STPG2	23.26188	-0.67384	0.595095	-1.13233	0.257497	0.354432	31.44101	25.72836	27.13352	31.24978	14.97377	9.044815
3567	GOLT1B	3325.362	-0.67447	0.116524	-5.78825	7.11E-09	5.30E-08	4187.075	3594.853	4478.423	2685.249	2676.027	2330.547
4016	KIF20A	3047.214	-0.6745	0.125867	-5.3588	8.38E-08	5.55E-07	3517.598	4388.601	3338.815	2225.431	2280.292	2532.548
3297	IDUA	1591.235	-0.67458	0.111597	-6.0448	1.50E-09	1.21E-08	1916.275	1911.562	2050.32	1171.867	1148.702	1348.682
4343	ARNTL	1082.048	-0.67461	0.131634	-5.12485	2.98E-07	1.82E-06	1243.546	1525.637	1225.183	803.5657	815.0012	879.357
16294	GP1BB	47.09004	-0.67472	0.419497	-1.60842	0.107744	0.175801	57.46116	51.45671	66.79021	20.08914	38.50399	48.23901
4534	SUMF2	3733.894	-0.67477	0.135149	-4.99279	5.95E-07	3.49E-06	5178.009	3688.461	4912.559	2669.624	2866.408	3088.302
22061	LOC119625	7.647286	-0.67498	0.944186	-0.71489	0.47468	0.572022	9.757555	8.211177	9.740239	4.464254	10.69555	3.014938
22342	LOC119625	7.269581	-0.6752	1.010555	-0.66815	0.504041	0.599737	13.55216	3.284471	9.740239	4.464254	8.556443	4.019918
2632	GPNMB	98542.37	-0.6754	0.097549	-6.92366	4.40E-12	4.45E-11	116653.7	133331.5	113610.8	74267.33	72220.65	81170.18
16839	LOC103238	34.82538	-0.6755	0.445018	-1.51792	0.129033	0.203714	37.40396	49.26706	41.74388	22.32127	32.08666	26.12947
6379	LRCC1	855.3358	-0.67556	0.169387	-3.98828	6.66E-05	0.000277	931.3044	1336.232	886.3618	669.6381	682.3763	626.1022
8366	MNX1	242.859	-0.67565	0.20513	-3.29379	0.000988	0.003141	307.363	267.137	322.1236	220.9806	147.5986	191.9511
15362	LOC103248	57.51384	-0.67584	0.382532	-1.76676	0.077268	0.133706	86.19173	47.62483	78.61764	44.64254	42.78221	45.22408
3907	RHOD	763.781	-0.6759	0.124258	-5.43948	5.34E-08	3.64E-07	928.594	930.0527	961.5008	622.7634	534.7777	604.9976
4431	BUB1	4591.873	-0.67594	0.133636	-5.05806	4.24E-07	2.54E-06	5078.807	6932.971	4933.431	3537.921	3480.333	3587.777
2983	UGDH	22064.52	-0.67602	0.104826	-6.44896	1.13E-10	1.00E-09	25424.39	30229.18	25778.24	16598.1	15895.73	18461.47
3638	UBASH3B	11364.97	-0.6761	0.118541	-5.7035	1.17E-08	8.58E-08	12900.57	16483.66	12560.04	8589.225	8419.54	9236.766
2873	CZIB	1461.29	-0.67626	0.102754	-6.58136	4.66E-11	4.31E-10	1747.686	1869.411	1778.289	1087.046	1131.59	1153.716
12699	CCDC168	143.079	-0.67641	0.299424	-2.25902	0.023882	0.049996	135.5216	250.1672	141.9292	95.98146	128.3466	106.5278
3775	IGF2BP3	5514.105	-0.67646	0.121423	-5.57106	2.53E-08	1.78E-07	6118.529	8060.639	6172.529	4158.453	4261.108	4313.372
11220	TRNAG-CC	606.6638	-0.67651	0.262518	-2.57699	0.009967	0.023615	484.6252	1163.798	588.5887	495.5322	498.4128	409.0266
17752	LOC119625	57.56895	-0.6768	0.491567	-1.37683	0.168565	0.252436	100.8281	26.27577	86.27069	42.41041	36.36488	53.26391
2921	TRIM25	4550.5	-0.67687	0.10378	-6.52212	6.93E-11	6.31E-10	5455.557	5961.315	5389.135	3339.262	3283.535	3874.196
3054	G6PC3	1965.677	-0.6772	0.106901	-6.33482	2.38E-10	2.07E-09	2371.628	2509.336	2383.576	1455.347	1413.952	1660.226
13622	LOC119618	135.0899	-0.67758	0.325031	-2.08465	0.037101	0.072408	130.1007	248.525	118.2743	113.8385	113.3729	86.42823
4150	CHCHD3	5748.61	-0.67759	0.128877	-5.25765	1.46E-07	9.35E-07	6310.427	8594.365	6318.632	4316.934	4460.046	4491.253
2554	KDM5C	6836.318	-0.67772	0.096263	-7.04032	1.92E-12	2.00E-11	8621.342	8443.28	8184.584	5160.678	4851.503	5756.522
3243	NUP188	3543.984	-0.67822	0.111067	-6.10637	1.02E-09	8.36E-09	4496.064	4387.506	4211.958	2703.106	2400.082	3065.187
19875	RAB3C	16.08326	-0.67832	0.648793	-1.04551	0.295788	0.395012	16.26259	25.18094	18.08902	8.928508	14.97377	13.06473
24582	FUCA1	1.38003	-0.67862	2.127893	-0.31892	0.749789	0.810879	3.252518	1.094824	0.695731	2.232127	0	1.004979
12391	LOC103227	91.07055	-0.67863	0.292165	-2.32277	0.020191	0.043317	102.4543	111.672	124.5359	58.0353	66.31243	83.4133
20248	LOC103231	16.53667	-0.67879	0.686974	-0.98808	0.323113	0.424237	18.97302	15.32753	27.13352	4.464254	19.252	14.06971
5054	DMAC1	1628.366	-0.67883	0.145717	-4.65853	3.18E-06	1.68E-05	2220.386	1569.977	2222.166	1258.92	1287.745	1211
2633	USP36	3073.479	-0.67918	0.098134	-6.92092	4.49E-12	4.53E-11	3796.231	3976.947	3584.408	2238.823	2338.048	2506.419
3157	METTL21A	1027.708	-0.67919	0.10939	-6.20885	5.34E-10	4.49E-09	1234.873	1272.732	1286.407	805.7978	793.6101	772.8292
3253	STX12	1223.241	-0.67927	0.111427	-6.09609	1.09E-09	8.88E-09	1499.953	1609.938	1408.16	944.1897	930.5131	946.6907
19414	LOC119618	18.50965	-0.67929	0.60857	-1.11621	0.264333	0.361971	23.30971	26.27577	19.48048	8.928508	14.97377	18.08963
5053	GATA2	518.6977	-0.67954	0.145841	-4.65949	3.17E-06	1.67E-05	612.0155	700.6871	603.8948	419.6399	367.927	408.0217
17743	LOC103246	49.91505	-0.67962	0.49343	-1.37733	0.168409	0.252319	87.27591	29.56024	66.79021	58.0353	25.66933	32.15934
2866	LOC103245	31275.78	-0.67965	0.103138	-6.58971	4.41E-11	4.09E-10	40374.59	37038.43	38126.77	23388.23	21692.72	27033.95
3587	DDX31	1299.124	-0.67977	0.118023	-5.75965	8.43E-09	6.25E-08	1581.266	1657.563	1568.179	959.8146	913.4003	1114.522
3234	RPL36	14761.32	-0.67991	0.11091	-6.13027	8.77E-10	7.21E-09	19650.63	15387.2	19493	11593.67	11022.84	11420.59
3232	CRLS1	1129.429	-0.68038	0.110968	-6.13132	8.72E-10	7.17E-09	1429.482	1433.672	1309.366	843.744	892.0091	868.3023
3280	ANKRD10	2415.428	-0.68079	0.112392	-6.05732	1.38E-09	1.12E-08	3255.771	2688.887	2986.079	1761.148	1811.827	1988.854
6167	NUDT15	333.6691	-0.68105	0.166508	-4.09018	4.31E-05	0.000186	396.2651	442.8562	393.0882	281.248	235.3022	253.2548
2306	INTS7	2790.712	-0.68128	0.091984	-7.40659	1.30E-13	1.49E-12	3485.073	3443.768	3385.429	2223.198	2030.016	2176.786
6745	TRAPPC2	444.59	-0.68134	0.177459	-3.83944	0.000123	0.000486	609.8472	455.4466	581.6314	341.5154	295.1973	383.9022
3271	CHAF1A	3740.225	-0.68148	0.112186	-6.0746	1.24E-09	1.01E-08	4412.041	5126.512	4291.271	2678.552	2789.4	3143.576
5138	ZNF347	457.6783	-0.68154	0.147915	-4.60764	4.07E-06	2.11E-05	577.322	599.9633	514.1455	341.5154	359.3706	353.7528
3262	TERF1	2512.416	-0.68183	0.11203	-6.08612	1.16E-09	9.43E-09	3041.647	3461.285	2784.317	1861.594	1950.869	1974.785
3794	KIF22	2225.5	-0.68188	0.122822	-5.55178	2.83E-08	1.98E-07	2983.101	2370.293	2878.241	1642.845	1619.307	1859.212
15903	LOC103231	53.36729	-0.68206	0.405049	-1.68389	0.092203	0.154136	81.31296	47.07742	67.48594	55.80317	36.36488	32.15934
2465	CLNS1A	3299.163	-0.68206	0.095081	-7.17345	7.31E-13	7.89E-12	4227.19	3932.059	4033.155	2703.106	2400.082	2499.384
12011	LOC119626	96.01583	-0.68241	0.283824	-2.40435	0.016201	0.03586	107.3331	137.9478	108.5341	73.66019	81.28621	67.33362
3562	LOC103246	1741.582	-0.68247	0.117786	-5.79416	6.87E-09	5.12E-08	1989.457	2409.159	2037.797	1419.633	1274.91	1318.533
3815	MRPL4	1865.361	-0.68265	0.123481	-5.52837	3.23E-08	2.25E-07	2128.773	2651.115	2116.415	1486.597	1354.057	1455.21
14993	LOC103227	113.504	-0.68291	0.372078	-1.83538	0.066449	0.11782	202.7403	73.90059	144.7121	84.82083	66.31243	108.5378
6076	PAIP2B	386.4608	-0.68299	0.165222	-4.13378	3.57E-05	0.000156	453.7263	525.5153	452.9211	296.8729	263.1106	326.6183
18244	ANKRD31	32.3737	-0.68303	0.527963	-1.2937	0.195768	0.285272	37.40396	53.64636	27.82925	15.62489	40.6431	19.09461
2489	DDX50	3654.728	-0.68305	0.095565	-7.14744	8.84E-13	9.44E-12	4458.66	4710.479	4349.017	2816.944	2622.55	2970.719
2690	EIF3F	7476.233	-0.68317	0.099746	-6.8491	7.43E-12	7.35E-11	9397.067	9018.61	9236.53	5694.156	5176.648	6334.386
5911	CDKL1	391.7646	-0.68383	0.162581	-4.2061	2.60E-05	0.000117	471.0731	533.1791	441.7894	296.8729	327.2839	280.3893
3544	GEN1	2433.941	-0.68404	0.117768	-5.80837	6.31E-09	4.73E-08	2843.243	3376.983	2787.1	1763.38	1796.853	2036.088
3859	CCNE1	1480.709	-0.68414	0.124697	-5.48637	4.10E-08	2.83E-07	1681.552	2094.398	1702.455	1116.063	1105.92	1183.866
16296	TRNAK-CU	57.13447	-0.68426	0.425613	-1.6077	0.107901	0.176027	74.80792	44.34036	93.92374	44.64254	27.80844	57.28383
3163	LOC119625	3872.358	-0.68435	0.110337	-6.20234	5.56E-10	4.68E-09	4608.276	5151.693	4571.651	2763.373	2808.652	3330.502
3717	LOC103238	20626.88	-0.68443	0.121712	-5.62337	1.87E-08	1.34E-07	23058.73	30002	23234.64	15493.19	14736.33	17236.4
5747	R3HDM2	1657.261	-0.68456	0.159179	-4.30058	1.70E-05	7.88E-05	1744.434	2582.689	1805.423	1138.385	1304.858	1367.777
7983	B3GALT9	199.6812	-0.68459	0.200343	-3.41711	0.000633	0.002108	252.0702	250.7146	234.4615	142.8561	173.268	144.717
9693	PAM16	661.1485	-0.68508	0.233603	-2.93268	0.00336	0.009217	9					



2942	LOC103246	1715.316	-0.68545	0.105526	-6.49563	8.27E-11	7.47E-10	2160.756	2226.324	1961.267	1274.545	1311.275	1357.727
22916	TMEM221	4.575767	-0.68548	1.18791	-0.57705	0.563908	0.654193	5.420864	4.926706	6.261582	6.696381	2.139111	2.009959
3156	CIBAR1	3817.653	-0.68569	0.110431	-6.20921	5.33E-10	4.49E-09	4395.236	5269.386	4453.377	3028.996	3052.511	2706.41
22389	LOC119624	5.939407	-0.68586	1.039716	-0.65966	0.509474	0.604957	9.215468	5.474118	6.957314	6.696381	4.278221	3.014938
17880	LOC103247	30.14224	-0.6859	0.502783	-1.36422	0.172499	0.256482	40.65648	33.93953	36.17803	15.62489	36.36488	18.08963
16657	LOC103237	36.21247	-0.68593	0.443497	-1.54665	0.121949	0.194633	39.03022	48.17224	48.00546	20.08914	27.80844	34.1693
2801	NMT1	8262.091	-0.68615	0.10254	-6.69155	2.21E-11	2.10E-10	10049.2	11015.02	9516.214	6104.867	5948.867	6938.378
4669	DNAJB11	8528.264	-0.6863	0.139938	-4.90434	9.37E-07	5.34E-06	9210.047	13233.68	9115.472	6403.972	6457.975	6748.437
4094	RSL1D1	7406.245	-0.68645	0.129513	-5.30025	1.16E-07	7.51E-07	8247.302	11145.3	8015.521	5636.121	5572.383	5820.841
14195	LOC103227	94.56974	-0.68648	0.347067	-1.97794	0.047935	0.089775	145.8212	70.61612	134.2762	58.0353	81.28621	77.38342
5012	LOC103248	728.4776	-0.68677	0.146713	-4.68105	2.85E-06	1.51E-05	855.4123	1030.776	806.3527	549.1032	609.6465	519.5744
2787	NUDT21	5263.789	-0.68714	0.102215	-6.72248	1.79E-11	1.70E-10	6258.929	7171.095	6056.342	3810.241	4079.284	4206.844
4079	MRE11	1617.287	-0.68757	0.129377	-5.31444	1.07E-07	6.97E-07	1875.077	2335.259	1774.115	1252.223	1262.075	1204.97
3639	FAXC	870.7463	-0.68763	0.120568	-5.70326	1.18E-08	8.59E-08	1050.563	1154.492	1018.551	674.1023	652.4288	674.3412
20286	LOC119618	14.1166	-0.68768	0.701394	-0.98044	0.326867	0.428362	15.7205	16.42235	19.48048	8.928508	17.11289	7.034856
6772	GNB5	325.4796	-0.68802	0.179774	-3.82715	0.00013	0.000509	424.4536	351.9858	432.0492	218.7484	250.2759	275.3644
24109	LOC119627	2.299463	-0.68804	1.768092	-0.38914	0.69717	0.76877	3.252518	4.379295	0.695731	4.464254	0	1.004979
3138	SLC35E2B	2542.667	-0.68805	0.110334	-6.23609	4.49E-10	3.80E-09	3292.633	3022.808	3107.136	1890.612	1769.045	2173.771
2909	PRMT1	5686.635	-0.68816	0.105287	-6.53601	6.32E-11	5.77E-10	7468.866	6284.288	7306.571	4308.005	4089.98	4662.1
2203	TRAP1	5097.186	-0.68835	0.090602	-7.59751	3.02E-14	3.64E-13	6372.225	6335.744	6171.137	3903.99	3651.462	4148.555
2050	PGM2	4905.52	-0.68838	0.08733	-7.88252	3.21E-15	4.16E-14	6134.791	6091.051	5943.633	3622.742	3679.27	3961.629
3791	ZBTB14	862.6576	-0.68844	0.123974	-5.55307	2.81E-08	1.97E-07	1051.105	1107.414	1041.51	611.6028	641.7332	722.5802
8261	LOC103249	237.8077	-0.68851	0.207044	-3.32544	0.000883	0.002841	260.7435	333.3738	290.12	154.0168	177.5462	211.0457
19472	ADGRL3	22.74529	-0.68853	0.62302	-1.10514	0.269097	0.367396	28.18849	27.918	26.43779	20.08914	27.80844	6.029877
3843	SYNE2	81415.87	-0.68859	0.125155	-5.50191	3.76E-08	2.60E-07	91245.6	121490.9	88721.75	60314.3	60534.69	66187.95
13230	LOC119628	74.15293	-0.68885	0.318419	-2.16334	0.030515	0.061318	97.57555	90.32295	84.87923	71.42806	53.47777	47.23404
2973	ERCC8	1371.595	-0.68902	0.10664	-6.46115	1.04E-10	9.29E-10	1763.407	1630.74	1684.366	1104.903	998.9647	1047.189
2620	ISY1	2248.661	-0.68911	0.099158	-6.94956	3.66E-12	3.72E-11	2780.903	2944.528	2602.731	1720.97	1694.176	1748.664
2596	ANGEL2	1906.009	-0.6892	0.098686	-6.9838	2.87E-12	2.94E-11	2382.47	2414.086	2261.127	1404.008	1525.186	1449.18
2901	ARSJ	4434.144	-0.68921	0.105264	-6.54744	5.85E-11	5.36E-10	5181.804	6154.551	5083.709	3470.957	3322.039	3391.806
23981	LOC119629	2.836324	-0.68924	1.681968	-0.40978	0.681965	0.756028	8.131296	0.547412	2.087194	2.232127	0	4.019918
3006	TTC7B	2459.906	-0.6893	0.107538	-6.40988	1.46E-10	1.29E-09	2967.381	3328.264	2818.408	1863.826	1794.714	1986.844
3442	XRCC2	963.1026	-0.68982	0.116761	-5.90797	3.46E-09	2.68E-08	1176.87	1252.478	1134.042	752.2268	761.5234	701.4757
13739	CD163L1	69.40377	-0.68991	0.334546	-2.06222	0.039187	0.075827	77.51835	81.01695	96.70666	55.80317	64.17332	41.20416
4306	AK6	1539.506	-0.69016	0.133962	-5.15187	2.58E-07	1.59E-06	1655.532	2217.565	1825.599	1212.045	1227.85	1098.443
6787	THAP11	770.9802	-0.69023	0.180576	-3.82239	0.000132	0.000518	1091.22	710.5405	1056.12	633.9241	506.9692	627.1072
7593	ACVR1C	327.7445	-0.69027	0.195637	-3.5283	0.000418	0.001464	362.1137	474.606	372.912	261.1589	286.6408	209.0357
17223	NACAD	34.85411	-0.69032	0.47165	-1.46363	0.143295	0.221186	33.60935	42.69812	51.48412	29.01765	34.22577	18.08963
19533	LOC119618	25.28609	-0.69043	0.630389	-1.09525	0.273407	0.372115	32.52518	20.25424	41.74388	26.78552	4.278221	26.12947
3087	SGPL1	4478.707	-0.69056	0.109707	-6.2946	3.08E-10	2.65E-09	5684.318	5584.148	5334.868	3212.031	3144.493	3912.385
4254	DIAPH3	1354.054	-0.69125	0.133264	-5.18705	2.14E-07	1.34E-06	1531.394	1950.976	1538.262	982.1359	1016.078	1105.477
4837	IFT27	910.2536	-0.69147	0.144322	-4.79117	1.66E-06	9.11E-06	1124.287	1019.281	1234.923	723.2091	583.9772	775.8442
4282	RPL22	13357.16	-0.69159	0.133893	-5.16522	2.40E-07	1.49E-06	14523.04	20447.47	14523.39	10196.36	10592.88	9859.854
8107	ZSCAN9	247.5351	-0.69198	0.204872	-3.37762	0.000731	0.002398	276.464	362.934	275.5096	191.9629	207.4937	170.8465
9271	MBOAT1	148.9646	-0.692	0.227668	-3.0395	0.00237	0.006795	197.3194	172.9821	183.6731	109.3742	104.8164	125.6224
15496	LOC119625	45.58541	-0.69234	0.396748	-1.74505	0.080977	0.138924	52.58238	58.57306	56.35424	44.64254	34.22577	27.13445
5355	POLR2G	2465.952	-0.69236	0.154322	-4.48644	7.24E-06	3.60E-05	3384.787	2270.664	3487.006	1850.433	1813.966	1988.854
14564	GSDMB	52.21857	-0.69251	0.362033	-1.91284	0.055769	0.101802	72.09749	60.76271	60.52863	37.94616	42.78221	39.1942
19336	LOC103225	22.84598	-0.69289	0.613696	-1.12905	0.258877	0.355929	21.68345	39.96106	22.2634	11.16063	29.94755	12.05975
24001	TRNAM-C4	2.253157	-0.69291	1.705509	-0.40627	0.684541	0.758181	2.168345	3.284471	2.782925	0	4.278221	1.004979
16707	LOC119627	33.80832	-0.6933	0.44979	-1.54138	0.123225	0.196082	47.7036	35.03436	42.43961	29.01765	23.53022	25.12449
10842	MARCKSL1	182.4258	-0.6933	0.260428	-2.66215	0.007764	0.019039	268.8748	162.5813	246.9846	145.0883	111.2338	159.7917
3379	PSME3	6603.84	-0.69355	0.11636	-5.96041	2.52E-09	1.98E-08	7475.913	9564.379	7445.021	4897.287	5071.831	5168.609
16210	FRRS1L	40.54081	-0.69358	0.42665	-1.62564	0.104026	0.170596	43.36691	56.93083	51.48412	22.32127	29.94755	39.1942
4243	SH3D19	5093.856	-0.69376	0.133609	-5.19243	2.08E-07	1.30E-06	5504.887	7736.024	5645.86	3941.936	3796.921	3937.51
12628	LOC103244	87.2346	-0.69381	0.304877	-2.27571	0.022864	0.048133	92.15468	123.7151	109.2298	51.33892	70.59065	76.37844
3660	LOC119615	1399.957	-0.69382	0.121994	-5.68735	1.29E-08	9.37E-08	1658.242	1883.644	1654.449	1082.582	954.0434	1166.781
22928	CRYBA4	6.762146	-0.69383	1.206217	-0.57521	0.565151	0.655292	7.589209	6.568942	10.43597	0	14.97377	1.004979
3236	KPNB1	29121.08	-0.69394	0.113243	-6.12789	8.90E-10	7.32E-09	34062.54	41936.67	31982.08	21832.43	21626.41	23286.38
16723	LOC119627	36.34239	-0.69421	0.451339	-1.53811	0.124022	0.197161	45.53526	41.05589	46.614	37.94616	27.80844	19.09461
3883	TFAP2C	979.4234	-0.69422	0.127126	-5.46083	4.74E-08	3.24E-07	1160.607	1354.844	1116.649	770.0838	716.6021	757.7545
7734	LOC103237	234.4674	-0.69464	0.19952	-3.48156	0.000499	0.001714	308.9892	299.9817	264.3779	160.7131	164.7115	208.0308
21905	LOC119625	10.03127	-0.69497	0.934636	-0.74357	0.457137	0.554804	11.38381	13.13788	12.52316	0	17.11289	6.029877
22053	LOC103245	7.054254	-0.69502	0.970765	-0.71595	0.474021	0.571435	10.84173	6.568942	9.044508	6.696381	2.139111	7.034856
6968	RAB39A	296.6516	-0.69543	0.185514	-3.74867	0.000178	0.000678	332.2989	424.2442	341.6041	232.1412	239.5804	210.0407
3172	EPN1	3165.932	-0.69547	0.112286	-6.1938	5.87E-10	4.92E-09	3968.614	3659.448	4125.687	2334.805	2192.588	2714.45
2799	SAMD4A	4415.947	-0.69572	0.103901	-6.69597	2.14E-11	2.03E-10	5277.211	5968.431	5142.846	3270.066	3200.11	3637.021
14506	LOC119626	52.62932	-0.69592	0.361915	-1.92289	0.054494	0.09987	60.17159	66.23683	68.18167	37.94616	47.06043	36.17926
2189	ACBD6	2638.975	-0.69629	0.091309	-7.62559	2.43E-14	2.95E-13	3384.245	3217.687	3191.32	1977.665	2010.764	2052.168
4523	MRPS11	2712.502	-0.69653	0.139279	-5.00095	5.70E-07	3.35E-06	3590.78	2659.874	3811.216	2176.324	2094.189	1942.625
4291	ZGRF1	630.2014	-0.69691	0.135037	-5.16087	2.46E-07	1						



24795	LOC119621	1.045137	-0.6973	2.474564	-0.28179	0.778108	0.834281	1.626259	0.547412	2.087194	0	0	2.009959
3601	AURKB	1600.137	-0.69763	0.12154	-5.7399	9.47E-09	6.99E-08	2070.228	1790.037	2086.498	1151.778	1146.563	1355.717
2935	NUP42	1349.116	-0.69781	0.107289	-6.50405	7.82E-11	7.08E-10	1724.919	1719.968	1564.004	1006.689	1028.912	1050.204
9776	LOC103224	135.8925	-0.6981	0.23992	-2.90972	0.003618	0.009838	153.9525	179.0037	172.5414	111.6063	87.70354	110.5477
3475	TASOR	6899.728	-0.69814	0.11865	-5.88406	4.00E-09	3.06E-08	7815.259	10070.74	7726.097	5392.819	5076.11	5317.346
9121	GNF7	166.5434	-0.69824	0.226914	-3.07711	0.00209	0.006092	199.4878	212.3958	205.9365	102.6778	156.1551	122.6075
6708	TAF15	2142.857	-0.69868	0.181366	-3.85232	0.000117	0.000464	2156.962	3600.328	2201.294	1491.061	1591.498	1815.998
4399	ADK	603.1697	-0.6989	0.137519	-5.08219	3.73E-07	2.25E-06	749.7054	681.5277	807.7441	475.443	451.3524	453.2457
2747	LAMA4	32293.97	-0.69899	0.10314	-6.7771	1.23E-11	1.19E-10	37886.42	44377.03	37646.72	24305.63	22929.13	26618.89
5189	DDX10	2925.881	-0.69914	0.152501	-4.5845	4.55E-06	2.33E-05	3104.529	4642.6	3117.572	2167.395	2226.814	2296.378
18104	LOC103241	28.48995	-0.6993	0.52981	-1.3199	0.186868	0.274414	33.60935	43.79295	27.82925	13.39276	34.22577	18.08963
2121	SLC7A11	20102.59	-0.69972	0.090267	-7.75163	9.07E-15	1.14E-13	24195.48	26962.22	23499.02	14930.7	15136.35	15891.74
3657	FBX034	1906.889	-0.69974	0.122947	-5.69141	1.26E-08	9.16E-08	2309.288	2595.279	2181.118	1524.543	1266.354	1564.753
14805	LOC103241	65.19355	-0.69975	0.373824	-1.87186	0.061225	0.109941	68.84497	74.44801	98.79385	31.24978	70.59065	47.23404
3131	HUS1	1653.767	-0.69977	0.112098	-6.24251	4.31E-10	3.66E-09	2088.117	2026.519	2035.71	1212.045	1157.259	1402.951
19088	LOC119621	21.83846	-0.69981	0.597368	-1.17149	0.241401	0.336213	24.39389	29.56024	26.43779	29.01765	8.556443	13.06473
22548	LOC119621	5.619257	-0.70002	1.107467	-0.63209	0.527329	0.621742	11.9259	4.379295	4.87012	2.232127	4.278221	6.029877
9452	FCGRT	175.2084	-0.70028	0.233634	-2.99734	0.002723	0.00766	240.1443	182.8355	230.9828	124.9991	115.512	156.7768
4708	AK8	596.7928	-0.7003	0.143506	-4.87996	1.06E-06	5.99E-06	813.1296	672.7691	733.9966	424.1041	451.3524	485.4051
20588	CD302	14.00715	-0.7006	0.746055	-0.93907	0.347694	0.448972	9.757555	21.34906	21.56767	4.464254	12.83466	14.06971
15313	LOC119621	45.81253	-0.70098	0.394414	-1.77727	0.075524	0.131118	58.54533	59.66789	50.78839	44.64254	32.08666	29.1444
10008	LOC119621	123.1792	-0.70121	0.245234	-2.85935	0.004245	0.011277	166.4205	149.4434	141.9292	98.21359	87.70354	95.47305
3529	LOC103221	2275.749	-0.7026	0.120594	-5.82616	5.67E-09	4.27E-08	3046.525	2520.831	2898.417	1598.203	1659.95	1930.566
24611	SLC2A9	1.45807	-0.70262	2.233306	-0.31461	0.753057	0.813458	3.794605	0.547412	1.391463	0	0	3.014938
16784	LOC103241	44.32073	-0.70265	0.459732	-1.52839	0.126416	0.200237	66.67662	33.39212	66.09448	22.32127	34.22577	43.21412
2483	FOXMI	2985.802	-0.70272	0.098257	-7.15181	8.56E-13	9.17E-12	3656.373	3888.266	3558.666	2238.823	2147.667	2425.015
3538	MTR	6867.223	-0.70285	0.120834	-5.8167	6.00E-09	4.51E-08	7693.29	10041.17	7792.191	5153.981	4986.267	5536.432
2872	QDPR	2051.385	-0.70292	0.10675	-6.5847	4.56E-11	4.22E-10	2682.785	2309.53	2634.735	1573.65	1501.656	1605.957
2581	SLC30A6	2083.28	-0.70294	0.100274	-7.01018	2.38E-12	2.45E-11	2695.253	2634.693	2415.579	1542.4	1578.664	1633.092
3659	ORC1	1173.478	-0.70312	0.123623	-5.68757	1.29E-08	9.36E-08	1441.408	1544.796	1383.114	816.9585	855.6443	998.9496
13117	LOC119621	71.28268	-0.70312	0.321796	-2.185	0.028889	0.058551	93.78094	84.30142	86.27069	44.64254	68.45154	50.24897
2636	PMS1	1953.649	-0.70356	0.101666	-6.92035	4.51E-12	4.54E-11	2469.203	2510.978	2285.478	1497.757	1411.813	1546.663
3327	ETAA1	3002.329	-0.70424	0.117001	-6.01907	1.75E-09	1.40E-08	3377.74	4270.907	3509.965	2357.126	2329.492	2168.746
19310	LOC119621	18.15266	-0.70427	0.621902	-1.13245	0.257447	0.354432	25.47806	14.78012	27.13352	15.62489	12.83466	13.06473
21057	LOC119621	13.27665	-0.70437	0.807774	-0.87199	0.383213	0.483794	22.22554	12.59047	16.00182	4.464254	4.278221	20.09959
2431	FIGNL1	1845.634	-0.70442	0.097502	-7.22466	5.02E-13	5.49E-12	2309.288	2342.375	2211.73	1354.901	1437.482	1418.026
6070	LOC103221	594.5124	-0.70482	0.170396	-4.13638	3.53E-05	0.000155	607.6788	788.8204	809.1356	482.1394	498.4128	380.8872
5560	ZFP36L2	569.8583	-0.70508	0.160635	-4.38932	1.14E-05	5.44E-05	648.8774	819.4755	653.9875	374.9973	453.4915	468.3204
3407	MELK	1969.15	-0.70525	0.118772	-5.93782	2.89E-09	2.25E-08	2288.689	2732.68	2297.305	1464.275	1630.002	1401.946
5361	KCTD1	882.9112	-0.70546	0.157331	-4.48394	7.33E-06	3.63E-05	982.8026	1344.991	954.5434	707.5843	650.2896	657.2566
9714	LOC103241	152.1431	-0.7057	0.241194	-2.92588	0.003435	0.0094	177.8043	226.0811	161.4097	122.767	111.2338	113.5627
2714	HCF1	4119.67	-0.70571	0.103479	-6.81989	9.11E-12	8.92E-11	4770.902	5454.411	5105.973	3035.693	2939.138	3411.905
5127	LOC103221	567.0454	-0.70587	0.152913	-4.61616	3.91E-06	2.03E-05	599.5475	783.8937	727.0393	419.6399	429.9612	442.191
3898	ZNF689	767.1953	-0.706	0.129632	-5.44621	5.15E-08	3.51E-07	910.163	1007.785	941.3245	560.2639	545.4732	638.162
15862	LOC103231	39.8	-0.70676	0.418426	-1.68909	0.091202	0.152859	46.61943	53.64636	46.614	35.71403	32.08666	24.11951
8513	CD83	163.9048	-0.707	0.217326	-3.25321	0.001141	0.003564	211.9558	184.4778	213.5895	118.3027	130.4858	124.6175
18170	LOC103241	24.13004	-0.70709	0.540252	-1.30882	0.190596	0.278866	32.52518	35.58177	21.56767	15.62489	21.39111	18.08963
12787	LOC103231	176.5062	-0.7071	0.315416	-2.2418	0.024975	0.051924	268.8748	118.241	268.5523	160.7131	124.0684	118.5876
6334	CLBA1	311.3549	-0.70711	0.176279	-4.01131	6.04E-05	0.000253	419.5748	372.7874	368.7376	245.534	203.2155	258.2797
4038	E2F7	1772.579	-0.70718	0.132307	-5.345	9.04E-08	5.95E-07	1987.289	2605.133	2005.098	1352.669	1281.327	1403.956
6210	LOC103231	523.3692	-0.70753	0.173879	-4.06913	4.72E-05	0.000202	703.086	620.765	631.7241	341.5154	348.675	494.4499
19424	LOC103211	22.95841	-0.70775	0.634972	-1.11462	0.265013	0.362715	41.74065	12.59047	31.30791	22.32127	10.69555	19.09461
9021	KCTD13	200.4088	-0.70784	0.227614	-3.10981	0.001872	0.005517	242.8547	277.5378	225.417	187.4987	113.3729	155.7718
4581	LOC103231	547.3891	-0.70796	0.142968	-4.95189	7.35E-07	4.27E-06	662.9716	739.0059	635.2027	386.158	444.935	416.0615
7553	LOC119621	295.4722	-0.70801	0.199953	-3.54088	0.000399	0.001403	314.9522	418.2226	365.259	270.0874	188.2417	216.0706
17931	LOC119621	29.6116	-0.70838	0.522918	-1.35467	0.175524	0.260237	46.07734	25.18094	39.65669	26.78552	12.83466	27.13445
24086	LOC119621	1.882552	-0.70851	1.804673	-0.3926	0.694616	0.766685	1.626259	2.737059	2.782925	0	2.139111	2.009959
2619	QRS11	1518.586	-0.70876	0.101912	-6.95463	3.53E-12	3.59E-11	1873.45	1880.907	1897.259	1218.741	1099.503	1141.657
12282	LOC119621	93.93671	-0.7088	0.301764	-2.34886	0.018831	0.04076	127.3903	108.935	110.6213	71.42806	91.98176	53.26391
8908	LOC103231	147.4202	-0.70893	0.225569	-3.14287	0.001673	0.004993	185.9356	182.8355	178.1072	122.767	113.3729	101.5029
4931	SERPINB9	1293.17	-0.70894	0.150039	-4.72506	2.30E-06	1.24E-05	1446.286	1973.967	1395.637	973.2074	934.7914	1035.129
7040	LOC103211	210.5607	-0.70901	0.190771	-3.71655	0.000202	0.000763	267.7907	258.3784	256.7249	167.4095	158.2942	154.7668
4069	DDX42	4897.012	-0.70911	0.133309	-5.31926	1.04E-07	6.81E-07	5636.072	7318.896	5279.905	3421.851	3696.383	4028.963
1921	TOMM40	4235.816	-0.70914	0.087026	-8.14858	3.68E-16	5.10E-15	5376.413	5273.765	5120.583	3294.619	3080.319	3269.198
22377	LOC119621	5.65374	-0.70915	1.071655	-0.66174	0.508141	0.603697	5.96295	9.853413	5.565851	2.232127	4.278221	6.029877
25024	TRNAM-CA	0.88508	-0.70934	2.941088	-0.24118	0.809413	0.859869	1.084173	0	2.087194	0	2.139111	0
7641	LOC103231	219.7601	-0.70946	0.202031	-3.51164	0.000445	0.001549	246.6493	294.5076	278.9883	176.338	141.1813	180.8963
20734	LOC119621	11.71162	-0.7096	0.777173	-0.91305	0.361218	0.463151	17.34676	8.211177	18.08902	11.16063	6.417332	9.044815
3882	FRMD4B	2118.818	-0.70996	0.129913	-5.46491	4.63E-08	3.17E-07	2406.321	3099.993	2381.488	1720.97	1527.325	1576.813
8217	CCDC85B	204.704	-0.71018	0.212533	-3.34151	0.000833	0.002696	259.1173	212.9432	289.4243	160.7131	158.2942	147.732
4292	MID1	1261.											



2833	NIP7	1774.77	-0.71121	0.107062	-6.64302	3.07E-11	2.88E-10	2370.002	2068.669	2168.595	1339.276	1409.674	1292.404
20442	LOC103232	12.64196	-0.71133	0.74436	-0.95563	0.33926	0.44121	9.757555	20.25424	17.39328	6.696381	10.69555	11.05477
2219	DNAJA3	5524.692	-0.71142	0.09404	-7.56509	3.88E-14	4.64E-13	6796.137	7095.005	6695.023	4267.827	3846.121	4448.039
13347	LOC11962	80.11109	-0.71144	0.332789	-2.13782	0.032531	0.064797	121.9694	71.16354	104.3597	64.73168	64.17332	54.26889
2625	NCBP1	5823.762	-0.71177	0.102571	-6.93928	3.94E-12	3.99E-11	7384.843	7373.09	6948.965	4178.542	4115.649	4941.484
4548	RPL11	28870.37	-0.71207	0.143094	-4.97627	6.48E-07	3.79E-06	30793.22	45509.08	31255.73	22785.55	22490.61	20388.02
2700	LOC103232	1737.275	-0.71214	0.104251	-6.831	8.43E-12	8.30E-11	2229.601	2006.812	2233.298	1339.276	1343.361	1271.299
13417	LOC10324	70.71826	-0.71239	0.335503	-2.12336	0.033723	0.066821	86.19173	105.6505	72.35606	58.0353	42.78221	59.29379
5148	HYLS1	505.5817	-0.7125	0.154776	-4.60342	4.16E-06	2.15E-05	582.7428	708.8983	588.5887	395.0865	406.431	351.7428
21849	TRNAL-AA	10.0431	-0.71271	0.9467	-0.75283	0.451551	0.54943	10.84173	10.94824	16.69755	6.696381	0	15.07469
3446	ATIC	2566.586	-0.71277	0.120715	-5.90452	3.54E-09	2.73E-08	2856.795	3445.957	3269.937	1765.612	1882.417	2178.795
22525	LOC103225	7.447388	-0.71291	1.119623	-0.63674	0.524295	0.618796	13.55216	1.094824	13.2189	2.232127	8.556443	6.029877
2319	CNOT9	3888.156	-0.71293	0.09654	-7.38481	1.53E-13	1.75E-12	4925.939	5016.482	4553.562	2886.14	2802.235	3144.581
12933	LOC11962	100.758	-0.71303	0.321797	-2.21577	0.026707	0.054899	100.8281	159.8442	112.7085	69.19594	102.6773	59.29379
2560	VARS1	6368.544	-0.71312	0.10141	-7.03205	2.04E-12	2.11E-11	7886.815	7969.769	7888.898	4622.735	4432.237	5410.809
2525	DPF2	2313.487	-0.71333	0.100603	-7.09054	1.34E-12	1.41E-11	2843.243	2972.446	2813.538	1727.666	1640.698	1883.332
19207	LOC103225	16.9021	-0.71345	0.619371	-1.15189	0.249364	0.34515	21.68345	18.612	22.95914	13.39276	10.69555	14.06971
2308	PTPMT1	1878.25	-0.71384	0.096394	-7.40542	1.31E-13	1.51E-12	2325.008	2357.155	2321.656	1441.954	1360.474	1463.25
12398	CFAP61	92.57764	-0.71385	0.307463	-2.32174	0.020247	0.043415	112.754	137.9478	93.92374	55.80317	87.70354	67.33362
2370	TAF1D	7687.7	-0.71397	0.097637	-7.31248	2.62E-13	2.94E-12	9046.879	10485.67	9121.038	5662.906	6128.552	5681.149
3411	BLM	2644.996	-0.71407	0.120304	-5.93559	2.93E-09	2.28E-08	3027.552	3817.65	3014.604	2055.789	1927.339	2027.044
25009	LOC119618	0.902357	-0.71412	2.925043	-0.24414	0.807123	0.857985	0	1.094824	2.087194	2.232127	0	0
4758	DDX46	3742.787	-0.71416	0.147602	-4.83845	1.31E-06	7.31E-06	4080.826	5872.087	4001.847	2656.231	2825.765	3019.963
2648	CBX1	4669.696	-0.71424	0.103482	-6.9021	5.12E-12	5.14E-11	5566.143	6460.007	5384.265	3540.153	3405.464	3662.145
5071	FXN	545.0705	-0.71427	0.153683	-4.64772	3.36E-06	1.76E-05	635.3252	777.8722	619.2009	433.0326	382.9008	422.0914
21056	LOC11962	11.62227	-0.71438	0.819166	-0.87208	0.383165	0.483779	16.26259	15.87494	10.43597	17.85702	4.278221	5.024897
2777	HPS4	2225.365	-0.71443	0.106102	-6.73341	1.66E-11	1.59E-10	2967.381	2633.051	2702.221	1587.042	1653.533	1808.963
2969	FBF1	2926.941	-0.71471	0.110513	-6.46717	9.99E-11	8.94E-10	3949.641	3304.725	3665.113	2093.735	2145.528	2402.906
12948	CSTL1	86.34576	-0.7148	0.32287	-2.2139	0.026836	0.0551	116.0065	87.58589	116.1871	89.28508	57.75599	51.25395
2920	LUZP6	5235.573	-0.71507	0.109586	-6.5252	6.79E-11	6.18E-10	6733.797	6210.934	6587.88	3506.671	3906.016	4468.139
12851	GEMIN7	114.7457	-0.71508	0.320884	-2.22847	0.025849	0.053475	172.9256	89.77554	164.8883	73.66019	104.8164	82.40832
4507	GPR75	1080.04	-0.71509	0.142782	-5.00825	5.49E-07	3.24E-06	1201.805	1601.18	1225.183	828.1191	780.7754	843.1778
13190	LOC10324	72.67978	-0.71517	0.32941	-2.17106	0.029927	0.060317	106.2489	78.27989	84.87923	66.96381	53.47777	46.22906
4064	NEMP2	754.9833	-0.7154	0.134413	-5.32237	1.02E-07	0.70E-07	1035.973	864.9107	916.9739	529.0141	586.1163	596.9578
4923	UQCC2	3334.265	-0.7154	0.151161	-4.7327	2.22E-06	1.20E-05	4495.522	3102.73	4833.246	2598.196	2584.046	2391.851
4586	ROCK2	8137.174	-0.71541	0.144498	-4.95097	7.38E-07	4.28E-06	8961.23	12839.54	8542.885	5859.333	6333.907	6286.147
24384	LOC11962	1.786347	-0.71541	2.048577	-0.34922	0.726923	0.792541	2.710432	1.642235	2.087194	0	4.278221	0
4286	FANCL	628.2634	-0.71554	0.138566	-5.1639	2.42E-07	1.50E-06	817.4662	708.3509	814.0057	475.443	509.1083	445.2059
12456	LOC103238	75.33655	-0.71561	0.309886	-2.30926	0.020929	0.044665	91.6126	99.08154	89.05362	53.57105	68.45154	50.24897
20513	LOC10324	11.74788	-0.71569	0.758104	-0.94405	0.345145	0.447311	10.29964	14.78012	18.78475	11.16063	6.417332	9.044815
11214	LOC11962	91.09754	-0.71573	0.277577	-2.57847	0.009924	0.023526	118.1748	105.1031	116.1871	69.19594	70.59065	67.33362
22416	PLAAT1	5.695524	-0.71601	1.094649	-0.6541	0.51305	0.608469	4.878777	4.926706	11.82743	2.232127	4.278221	6.029877
24416	TRNAG-GC	1.390135	-0.71602	2.081327	-0.34402	0.730831	0.795754	2.710432	1.094824	1.391463	0	2.139111	1.004979
2915	NEMP1	2659.25	-0.71607	0.10967	-6.52932	6.61E-11	6.03E-10	3253.602	3662.732	3004.864	1988.825	1938.034	2107.442
15106	TRNAG-GC	168.7695	-0.71616	0.395054	-1.81281	0.069861	0.122948	260.2015	75.54283	294.9901	129.4634	102.6773	149.7419
3051	FAN1	1450.788	-0.7162	0.113014	-6.33721	2.34E-10	2.04E-09	1925.491	1755.55	1734.458	1116.063	1005.382	1167.786
4148	IFI16	6149.173	-0.71634	0.136203	-5.25939	1.45E-07	9.26E-07	6688.262	9500.879	6745.811	4674.074	4644.009	4642
2577	FKBP4	5993.483	-0.71638	0.102141	-7.0137	2.32E-12	2.39E-11	7704.674	7332.581	7328.139	4462.022	4098.536	5034.947
1974	CLDND1	5370.838	-0.71679	0.089167	-8.03869	9.08E-16	1.22E-14	6369.515	6969.647	6690.849	4066.935	4224.744	3903.34
22711	LOC103235	5.562646	-0.71679	1.180641	-0.60712	0.54377	0.636525	3.794605	6.568942	10.43597	0	8.556443	4.019918
24368	LOC10324	1.787235	-0.71735	2.041917	-0.35131	0.725354	0.791346	2.168345	2.189647	2.087194	0	4.278221	0
20400	TRNAK-CU	12.65967	-0.71764	0.746494	-0.96134	0.33638	0.438365	10.29964	20.80165	16.00182	13.39276	6.417332	9.044815
21167	LOC11962	10.7911	-0.71766	0.838993	-0.85538	0.392339	0.492764	18.97302	5.474118	16.00182	6.696381	8.556443	9.044815
8076	EMX2	1044.608	-0.7177	0.211696	-3.39024	0.000698	0.002299	983.8868	1867.769	1045.684	729.9055	853.5052	786.8989
4644	SEYB	1564.414	-0.7179	0.145873	-4.92139	8.59E-07	4.92E-06	1695.646	2350.586	1787.334	1162.938	1300.579	1089.398
4075	SNP1	1709.267	-0.71824	0.135097	-5.31646	1.06E-07	6.90E-07	1955.306	2515.905	1911.174	1261.152	1217.154	1394.912
3546	SARS2	806.1524	-0.71832	0.123686	-5.80761	6.34E-09	4.75E-08	1032.675	949.7595	1029.682	611.6028	569.0034	644.1918
2758	TRDMT1	1254.167	-0.71866	0.106288	-6.76149	1.37E-11	1.32E-10	1578.013	1554.102	1549.394	895.0829	994.6865	953.7255
2804	MINPP1	1322.861	-0.71895	0.107505	-6.68762	2.27E-11	2.15E-10	1723.293	1637.856	1578.614	1013.386	951.9042	1032.114
21100	LOC10323	9.518684	-0.71905	0.831198	-0.86508	0.386995	0.487596	12.46799	10.40082	13.2189	6.696381	4.278221	10.04979
2330	PRMT3	2119.942	-0.71924	0.097629	-7.36707	1.74E-13	1.99E-12	2529.375	2748.555	2633.343	1566.953	1670.645	1570.783
15402	LOC103218	65.99784	-0.71959	0.408999	-1.7594	0.07851	0.135514	115.4644	44.34036	86.27069	51.33892	51.33866	47.23404
3676	NIFK	2265.909	-0.71962	0.126843	-5.67329	1.40E-08	1.01E-07	2600.388	3316.768	2539.42	1680.792	1796.853	1661.231
6406	RBMS3	539.1293	-0.71975	0.181021	-3.97605	7.01E-05	0.000291	591.4162	846.8461	572.5869	428.5684	406.431	388.9271
24405	LOC119628	1.392797	-0.71992	2.080797	-0.34598	0.729356	0.794501	1.084173	2.737059	1.391463	0	2.139111	1.004979
9548	LOC11962	138.5373	-0.72002	0.24221	-2.9727	0.002952	0.008219	190.2723	156.5598	171.1499	87.05295	117.6511	108.5378
6996	SLC38A5	224.2322	-0.72014	0.192783	-3.7355	0.000187	0.000712	305.1946	257.2836	274.8139	160.7131	177.5462	169.8415
11319	LOC119628	128.0488	-0.72014	0.282072	-2.55305	0.010678	0.02508	133.3532	210.2061	133.5804	93.74933	106.9555	90.44815
14960	NOTCH3	78.06801	-0.72031	0.391045	-1.84201	0.065473	0.116351	108.9594	76.09024	104.3597	42.41041	98.39909	38.18922
19023	LOC11962	259.0706	-0.72048	0.610237	-1.18065	0.237741	0.332248	171.8414	599.9633	194.8048	218.7484	220.3284	148.737
23840	SLC10A4	2.405773	-0.72053	1.669353	-0.43162	0							



13307	NUDT7	79.33549	-0.72116	0.336133	-2.14547	0.031915	0.063761	111.1277	96.34448	91.14081	35.71403	66.31243	75.37346
3452	EIF5A	17110.98	-0.72131	0.122279	-5.89888	3.66E-09	2.82E-08	23869.15	18204.73	21839.01	12395	11874.2	14483.76
2701	DUSP12	1567.597	-0.72156	0.105642	-6.83022	8.48E-12	8.34E-11	1992.709	1848.062	2019.012	1124.992	1178.65	1242.155
20034	LOC119620	13.07173	-0.72169	0.706011	-1.02221	0.306681	0.406963	15.7205	15.32753	17.39328	13.39276	8.556443	8.039836
20741	LOC119615	14.79413	-0.72173	0.791797	-0.91151	0.362025	0.464029	19.51511	14.23271	20.17621	17.85702	14.97377	2.009959
2391	MAFG	6433.035	-0.72202	0.09912	-7.28434	3.23E-13	3.59E-12	8360.056	7618.33	8062.135	4566.932	4648.287	5342.471
2941	PPP4R4	1139.892	-0.72287	0.111281	-6.49592	8.25E-11	7.46E-10	1420.266	1493.339	1344.153	841.5119	889.87	850.2126
12544	LOC103215	91.53943	-0.72292	0.315132	-2.29403	0.021789	0.046178	129.5586	94.15483	115.4914	87.05295	72.72976	50.24897
3184	XPNPPEP3	1485.619	-0.72347	0.117053	-6.18067	6.38E-10	5.33E-09	1790.511	2042.941	1721.935	1053.564	1120.894	1183.866
15591	LOC119620	6235.374	-0.7235	0.417915	-1.73122	0.083412	0.142228	8960.146	3847.758	10493.02	4767.823	4614.062	4729.433
11422	HOXB5	129.3441	-0.72356	0.285792	-2.53178	0.011349	0.026417	158.2892	160.9391	164.1926	60.26743	136.9031	95.47305
2677	LOC103225	2369.406	-0.72357	0.105432	-6.86289	6.75E-12	6.70E-11	3066.583	2750.197	3044.52	1756.684	1674.924	1923.531
10812	LOC103215	392.2596	-0.72358	0.271171	-2.66834	0.007623	0.018743	355.6087	745.0275	362.476	310.2657	337.9795	242.2001
21951	ANGPTL7	6.51022	-0.72378	0.983187	-0.73615	0.461637	0.559092	6.505036	9.306001	8.348776	4.464254	6.417332	4.019918
2446	SRM	2562.544	-0.7238	0.100524	-7.20021	6.01E-13	6.53E-12	3269.323	3029.924	3283.852	1928.558	1805.409	2058.198
6264	LOC103238	370.1022	-0.72388	0.179012	-4.04377	5.26E-05	0.000223	458.063	456.5415	461.9656	319.1942	303.7537	221.0955
3205	CUNH1orf	1115.337	-0.72399	0.117574	-6.15775	7.38E-10	6.12E-09	1448.997	1273.827	1448.513	796.8693	853.5052	870.3122
23616	LOC119620	2.793239	-0.72419	1.553418	-0.46619	0.64108	0.721616	2.168345	2.737059	5.565851	0	4.278221	2.009959
3760	BEND7	1416.751	-0.72427	0.129703	-5.58405	2.35E-08	1.66E-07	1682.636	2033.087	1582.789	1053.564	1011.799	1136.632
2753	MORC4	23825.59	-0.72434	0.107002	-6.76939	1.29E-11	1.25E-10	28100.13	34083.5	26870.54	17921.75	17517.18	18460.47
1681	SMAD2	5282.114	-0.72435	0.082534	-8.77635	1.69E-18	2.67E-17	6507.747	6752.872	6484.216	3968.722	3938.103	4041.022
17832	LOC119625	24.82124	-0.72438	0.528002	-1.37193	0.170085	0.253583	26.02015	35.58177	31.30791	13.39276	23.53022	19.09461
6099	LOC103230	1009.66	-0.72448	0.175769	-4.12179	3.76E-05	0.000164	1042.974	1649.899	1081.167	736.6019	776.4972	770.8193
4011	SKA3	640.9591	-0.72468	0.135096	-5.3642	8.13E-08	5.39E-07	767.5943	864.9107	763.2173	453.1218	515.5257	481.3852
17188	GAL3ST2	29.26211	-0.72492	0.493387	-1.46928	0.141757	0.219262	35.23561	33.93953	38.96096	24.5534	27.80844	15.07469
9244	ZNF311	178.6944	-0.72508	0.238225	-3.04368	0.002337	0.006721	211.4137	263.3051	189.9347	145.0883	151.8769	110.5477
15777	LOC103215	37.78011	-0.72514	0.425189	-1.70545	0.088111	0.148471	44.45108	47.07742	48.7012	31.24978	32.08666	23.11453
3165	EVIS	2638.084	-0.72536	0.116974	-6.201	5.61E-10	4.71E-09	3037.852	3748.129	3081.394	1915.165	1929.478	2116.487
2821	CKAP4	5007.417	-0.72544	0.108926	-6.65997	2.74E-11	2.58E-10	6162.438	6913.264	5652.122	3613.814	3623.653	4079.212
4395	LOC103225	3656.946	-0.72562	0.142753	-5.08306	3.71E-07	2.25E-06	3938.257	5693.083	4038.721	2843.73	2812.931	2614.957
20646	LOC119625	11.72503	-0.72568	0.781231	-0.9289	0.352942	0.454468	16.80468	14.78012	11.82743	15.62489	4.278221	7.034856
20324	PTGES	15.63836	-0.72577	0.744862	-0.97437	0.329872	0.431493	20.0572	16.42235	20.87194	8.928508	23.53022	4.019918
3798	FBXO17	741.1338	-0.72577	0.130843	-5.5469	2.91E-08	2.04E-07	984.9709	880.2382	910.0166	562.496	509.1083	599.9727
2272	LOC103238	65396.26	-0.72599	0.097317	-7.46006	8.65E-14	1.01E-12	79319.16	90522.21	74697.89	48682.69	47943.89	51211.74
4731	PODXL	1316.615	-0.72645	0.149426	-4.86159	1.16E-06	6.54E-06	1451.707	2018.855	1455.47	957.5825	966.878	1049.199
5727	LOC119618	330.457	-0.72649	0.168538	-4.31056	1.63E-05	7.56E-05	369.7029	419.8649	446.6595	256.6946	239.5804	250.2399
2830	RPS15A	30877.01	-0.72656	0.109299	-6.64747	2.98E-11	2.80E-10	34958.07	38948.9	41558.82	24249.83	25063.96	20482.49
4657	TSPAN6	1100.612	-0.72675	0.147883	-4.91436	8.91E-07	5.08E-06	1495.616	1095.371	1525.043	816.9585	855.6443	815.0383
3530	ARGLU1	3928.973	-0.72681	0.124759	-5.82566	5.69E-09	4.28E-08	4399.031	5843.074	4453.377	2928.551	2934.86	3014.938
2823	TDP1	1486.442	-0.72694	0.109181	-6.65814	2.77E-11	2.61E-10	1722.208	1989.295	1849.95	1091.51	1123.033	1142.662
11538	LOC119625	112.7334	-0.72695	0.290112	-2.50575	0.012219	0.028154	125.764	179.5511	117.5786	69.19594	89.84265	94.46807
1406	RPL7A	71012.59	-0.72711	0.07643	-9.51339	1.85E-21	3.49E-20	86803.21	91773.59	87037.39	54160.33	52803.95	53497.07
16017	LOC119618	34.24148	-0.7272	0.437484	-1.66223	0.096466	0.160105	42.82482	42.69812	42.43961	24.5534	27.80844	25.12449
3003	LMNB1	2740.292	-0.72724	0.113443	-6.41063	1.45E-10	1.28E-09	3231.919	3866.917	3154.446	1964.272	2068.52	2155.681
6356	TIMM10B	1344.833	-0.72734	0.181691	-4.00315	6.25E-05	0.000261	1954.763	1153.944	1923.697	946.4218	1028.912	1061.258
16891	LOC119625	30.69946	-0.72774	0.482502	-1.50826	0.131488	0.206951	43.36691	38.31883	33.39511	29.01765	14.97377	25.12449
11040	LOC119625	102.5604	-0.72783	0.277823	-2.61974	0.0088	0.02119	147.4475	115.5039	118.9701	84.82083	81.28621	67.33362
2934	NVL	2231.046	-0.72793	0.111903	-6.50495	7.77E-11	7.04E-10	2729.947	3078.097	2539.42	1745.523	1580.803	1712.485
4551	FAM161A	589.7149	-0.72844	0.146532	-4.97122	6.65E-07	3.89E-06	717.7224	820.0229	665.8149	437.4969	479.1608	418.0715
2703	GIT1	2870.456	-0.72857	0.106687	-6.82904	8.55E-12	8.41E-11	3616.8	3399.975	3733.295	2104.896	1982.956	2384.816
2461	LOC103215	1710.471	-0.72859	0.101458	-7.18118	6.91E-13	7.47E-12	2045.834	2165.561	2185.292	1281.241	1349.779	1235.12
10874	LPCAT2	94.7401	-0.72865	0.274416	-2.65528	0.007924	0.019374	113.8381	125.3573	114.7957	66.96381	79.14709	68.3386
2208	WDR46	3932.649	-0.72887	0.096088	-7.58549	3.31E-14	3.99E-13	5144.942	4838.026	4741.409	2843.73	2845.017	3182.77
11087	MEIG1	97.77784	-0.72888	0.279439	-2.60838	0.009097	0.021815	118.7169	122.0728	123.8402	64.73168	91.98176	65.32367
3810	COL8A1	3807.613	-0.72894	0.1318	-5.53065	3.19E-08	2.23E-07	4272.725	5721.001	4257.18	2935.247	2654.636	3004.889
3514	LTO1	700.5718	-0.72921	0.12476	-5.84494	5.07E-09	3.83E-08	888.4796	834.803	900.9721	520.0856	513.3866	545.7039
22529	PLA2G7	5.095163	-0.72932	1.146381	-0.63619	0.52465	0.619106	4.878777	9.853413	4.174388	2.232127	6.417332	3.014938
5420	LOC119625	647.6711	-0.72955	0.163902	-4.45113	8.54E-06	4.19E-05	751.8738	977.6775	691.557	513.3892	496.2737	455.2557
7669	LOC103215	1057.292	-0.73023	0.208427	-3.50356	0.000459	0.001591	1028.88	1892.403	1035.248	814.7263	810.7229	761.7744
2144	METTL16	2321.267	-0.73026	0.094905	-7.69465	1.42E-14	1.76E-13	2972.26	2900.188	2821.886	1678.559	1732.68	1822.028
8083	LOC103225	166.3259	-0.7306	0.215687	-3.38729	0.000706	0.002322	209.7874	190.4993	223.3298	122.767	121.9293	129.6424
9535	LOC103215	166.8331	-0.73071	0.245587	-2.97536	0.002926	0.008159	227.6763	179.0037	221.9383	116.0706	100.5382	155.7718
2429	MTX3	2019.431	-0.73114	0.101129	-7.22977	4.84E-13	5.30E-12	2632.371	2567.361	2364.791	1506.686	1469.569	1575.808
4486	GTSE1	917.7233	-0.73117	0.145679	-5.01904	5.19E-07	3.08E-06	1055.442	1352.655	1030.378	698.6557	639.5941	729.6151
6872	LOC103245	242.9842	-0.7314	0.193083	-3.788	0.000152	0.000587	323.6256	266.0421	319.3407	200.8914	171.1289	176.8764
3677	SERBP1	20956.96	-0.73147	0.12897	-5.67162	1.41E-08	1.02E-07	23374.76	31946.95	23157.42	15430.69	15200.52	16631.41
21822	LOC103225	7.212464	-0.73196	0.967441	-0.75659	0.449296	0.547337	8.673382	9.306001	9.740239	2.232127	4.278221	9.044815
3216	ARNT2	795.6309	-0.73199	0.119062	-6.14801	7.85E-10	6.49E-09	995.8127	1012.164	972.6325	618.2992	566.8643	608.0126
3482	RIOK2	1681.733	-0.73253	0.124672	-5.87567	4.21E-09	3.22E-08	2033.366	2376.862	1890.302	1156.242	1341.222	1292.404
3331	NCAPIH	2385.507	-0.73273	0.121838	-6.01394	1.81E-09	1.45E-08	2819.391	3436.651	2683.436	1729.898	1741.236	1902.426
9179	LOC119625	138.2539	-0.73277										



4646	CDK12	4823.669	-0.73292	0.148965	-4.92008	8.65E-07	4.95E-06	5099.406	7719.601	5251.38	3611.581	3546.645	3713.399
5216	LOC119621	1022.924	-0.73318	0.160385	-4.57137	4.85E-06	2.47E-05	1472.307	991.3628	1367.808	832.5834	718.7412	754.7396
2574	ZNF740	2694.12	-0.73337	0.104491	-7.01843	2.24E-12	2.32E-11	3443.333	3413.113	3246.283	1948.647	1880.278	2233.064
12714	DEPDC4	70.63502	-0.7334	0.32522	-2.25508	0.024128	0.050452	96.49137	80.46954	88.35788	40.17829	62.03421	56.27885
2115	SOC55	3187.631	-0.73357	0.09441	-7.77006	7.85E-15	9.86E-14	3911.695	4219.998	3815.391	2341.501	2350.883	2486.319
3858	ACD	583.1354	-0.73363	0.133702	-5.48705	4.09E-08	2.82E-07	706.3385	770.2084	708.9503	453.1218	414.9875	445.2059
4012	MAGOH	1309.922	-0.73365	0.136812	-5.3625	8.21E-08	5.44E-07	1495.502	1467.297	979.9037	981.8518	989.9048	
2457	GLDC	5855.831	-0.73366	0.102092	-7.18632	6.66E-13	7.20E-12	7216.254	7707.011	7027.583	4207.559	4096.397	4880.18
2263	EPHB2	8894.071	-0.73371	0.098053	-7.48286	7.27E-14	8.54E-13	10646.03	12043.61	10641.91	6618.256	6261.177	7153.444
22243	LOC103232	6.656408	-0.73372	1.071007	-0.68508	0.493295	0.589556	9.757555	2.189647	13.2189	4.464254	4.278221	6.029877
2555	LOC103234	4118.11	-0.73388	0.104249	-7.03972	1.93E-12	2.00E-11	4975.811	5552.398	4909.081	3102.657	2832.183	3336.532
7426	COA3	1566.064	-0.7339	0.204407	-3.59038	0.00033	0.001182	2452.399	1239.34	2179.726	1122.76	1069.555	1332.603
2805	NHLRC2	2272.192	-0.73395	0.10976	-6.68684	2.28E-11	2.16E-10	2695.796	3167.325	2651.432	1734.363	1655.672	1728.565
2819	LIG1	3356.027	-0.73396	0.110198	-6.6604	2.73E-11	2.58E-10	4395.778	4023.477	4165.344	2499.982	2239.649	2811.933
4787	LOC119621	488.7302	-0.73399	0.152259	-4.82066	1.43E-06	7.95E-06	535.5813	662.3683	634.507	357.1403	367.927	374.8573
4440	DROSHA	3022.515	-0.73423	0.14539	-5.05009	4.42E-07	2.64E-06	3313.774	4753.724	3258.11	2292.394	2258.901	2258.189
4744	DTWD2	403.2758	-0.73462	0.151442	-4.85083	1.23E-06	6.89E-06	480.2885	528.7998	500.2309	321.4263	299.4755	289.4341
3395	RP56KB1	4043.743	-0.73482	0.12353	-5.94855	2.71E-09	2.12E-08	4645.68	5993.612	4518.08	2966.497	2999.033	3139.556
18195	LPAR2	20.74992	-0.73489	0.564183	-1.30257	0.19272	0.281587	28.18849	21.89647	27.82925	13.39276	17.11289	16.07967
11342	LOC103240	96.44003	-0.735	0.28848	-2.54784	0.010839	0.025405	124.6799	122.0728	112.0128	75.89232	87.70354	56.27885
17346	LOC119618	38.71063	-0.73527	0.510699	-1.43973	0.149943	0.229819	62.88202	26.27577	54.96278	44.64254	21.39111	22.10955
2434	NOB1	1701.545	-0.73544	0.101845	-7.22121	5.15E-13	5.63E-12	2135.278	2195.121	2052.408	1263.384	1221.432	1341.648
1696	HIST1H2BC	4907.237	-0.73561	0.084143	-8.74229	2.28E-18	3.58E-17	5944.519	6226.262	6221.926	3707.563	3741.305	3601.846
11420	LOC103225	123.6244	-0.73564	0.290565	-2.53175	0.01135	0.026417	190.2723	107.2927	165.5841	100.4457	87.70354	90.44815
3363	RBM28	1277.985	-0.73577	0.123128	-5.97566	2.29E-09	1.81E-08	1480.98	1808.649	1502.78	939.7255	951.9042	983.8749
3032	TBRG1	1175.979	-0.7359	0.115635	-6.36401	1.97E-10	1.72E-09	1491.28	1421.081	1499.997	790.173	934.7914	918.5512
10446	LEAP2	113.3937	-0.73609	0.26706	-2.75626	0.005847	0.01488	144.7371	129.1892	148.8865	104.91	81.28621	71.35354
4190	FKBP14	587.3226	-0.7361	0.140711	-5.23129	1.68E-07	1.07E-06	727.4799	759.8076	720.7777	410.7114	410.7092	494.4499
11267	LOC119624	102.0144	-0.73615	0.286889	-2.56596	0.010289	0.024276	137.6899	119.3358	127.3188	84.82083	53.47777	89.44317
18260	LOC103238	25.98807	-0.73616	0.56997	-1.29158	0.196503	0.286091	32.52518	30.10765	33.39511	15.62489	34.22577	10.04979
2818	RAB34	4445.859	-0.73617	0.110473	-6.66381	2.67E-11	2.52E-10	5954.277	5088.74	5634.033	3290.155	3024.702	3683.25
21119	LOC119627	9.989527	-0.73633	0.854414	-0.86179	0.388802	0.489431	11.38381	16.96977	9.740239	2.232127	8.556443	11.05477
8204	MFSDB6	226.5441	-0.73655	0.220205	-3.34486	0.000823	0.002668	258.0331	347.6065	244.2017	147.3204	188.2417	173.8614
2544	CLF3	1503.198	-0.73657	0.104288	-7.06284	1.63E-12	1.70E-11	1909.228	1950.976	1777.594	1089.278	1144.424	1144.424
2743	KAT7	3917.156	-0.73663	0.108567	-6.78504	1.16E-11	1.12E-10	4651.643	5469.191	4572.347	2899.533	2778.705	3131.516
3007	KLHL36	2111.079	-0.73666	0.114932	-6.40955	1.46E-10	1.29E-09	2812.344	2600.206	2512.286	1513.382	1452.456	1775.799
3161	MAP4	10574.13	-0.7371	0.118764	-6.20642	5.42E-10	4.56E-09	11942.16	15588.65	12127.29	7716.463	7683.686	8386.554
16421	CHODL	37.41339	-0.73739	0.464936	-1.586	0.112739	0.182521	46.07734	44.88777	47.30973	40.17829	29.94755	16.07967
2795	SPTLC2	9246.729	-0.73749	0.110003	-6.70422	2.02E-11	1.93E-10	11028.75	13084.24	10572.33	6892.808	6464.392	7437.853
2654	WIP1	1589.575	-0.73766	0.10708	-6.88883	5.63E-12	5.63E-11	2040.413	1923.058	2005.098	1176.331	1110.198	1282.354
2118	BOD1	2871.096	-0.7377	0.094985	-7.76655	8.07E-15	1.01E-13	3610.837	3383.552	3775.734	2187.484	2094.189	2174.776
1965	TRUB1	3412.411	-0.73772	0.091576	-8.05588	7.89E-16	1.07E-14	4180.028	4419.803	4193.869	2687.481	2539.124	2454.16
2318	INTS11	2648.048	-0.73831	0.099946	-7.38715	1.50E-13	1.72E-12	3457.427	3101.088	3379.863	1997.754	1873.861	2078.298
3084	RNF138	815.0964	-0.73835	0.117275	-6.29595	3.06E-10	2.63E-09	1019.664	1048.294	990.0257	598.21	620.3421	614.0425
22349	LOC103227	6.43	-0.73868	1.107625	-0.66691	0.504832	0.600517	9.215468	10.94824	3.478657	2.232127	10.69555	2.009959
7317	LOC119621	186.703	-0.73869	0.203591	-3.6283	0.000285	0.001037	234.7234	220.607	246.2889	131.6955	141.1813	145.722
5958	CCDC15	510.5093	-0.73967	0.176835	-4.18282	2.88E-05	0.000128	601.7159	764.7343	545.4534	377.2295	434.2395	339.6831
2903	ARHGAP15	1646.848	-0.73969	0.11302	-6.54479	5.96E-11	5.46E-10	2034.45	2240.557	1909.783	1176.331	1206.458	1313.508
3579	PUS7	1303.862	-0.73987	0.128116	-5.77503	7.69E-09	5.72E-08	1625.175	1799.89	1466.602	1078.117	885.5918	967.7952
1731	PRELID1	5744.941	-0.73998	0.085687	-8.63579	5.83E-18	8.96E-17	7379.964	7051.759	7131.942	4392.826	4094.258	4418.895
4111	EYA3	1523.516	-0.74	0.140004	-5.28558	1.25E-07	8.10E-07	1756.902	2292.561	1670.451	1098.206	1123.033	1199.945
10227	DOK3	140.4623	-0.74011	0.263534	-2.80841	0.004979	0.012941	142.5687	214.5854	169.7585	89.28508	124.0684	102.5079
9876	LOC103247	274.7805	-0.74039	0.256425	-2.88734	0.003885	0.010458	385.9655	212.3958	433.4406	212.0521	196.7982	208.0308
7486	CUNH16orf	1168.618	-0.74039	0.207556	-3.5672	0.000361	0.001281	1794.306	926.2208	1667.668	915.1721	763.6625	944.6807
2305	UTP6	4457.9	-0.74053	0.099979	-7.40687	1.29E-13	1.49E-12	5554.759	6058.207	5118.496	3223.191	3480.333	3312.412
10460	RSDA2	108.383	-0.74056	0.268895	-2.75407	0.005886	0.014959	135.5216	126.4521	142.6249	98.21359	79.14709	68.3386
4264	LDLRAD4	499.5572	-0.74071	0.142994	-5.18005	2.22E-07	1.38E-06	587.6216	660.1786	625.4625	401.7829	361.5097	360.7876
4740	EXOSC5	990.7724	-0.74091	0.152546	-4.85693	1.19E-06	6.69E-06	1407.798	992.4576	1321.89	727.6734	705.9065	788.9089
3903	CUNH5orf	5274.869	-0.74097	0.136174	-5.44135	5.29E-08	3.60E-07	5850.738	8181.07	5768.309	3999.972	3948.798	3900.325
6220	CENPL	390.678	-0.74119	0.182287	-4.06608	4.78E-05	0.000204	546.9651	390.3046	528.7558	310.2657	282.3626	285.4142
13772	VWA3A	52.44094	-0.7414	0.361259	-2.05227	0.040143	0.077491	72.63957	60.2153	64.00729	37.94616	40.6431	39.1942
4479	CEP290	2305.555	-0.74149	0.147587	-5.02407	5.06E-07	3.00E-06	2613.398	3615.655	2426.015	1700.881	1766.905	1710.475
2754	HAX1	4563.204	-0.74149	0.109556	-6.76814	1.30E-11	1.26E-10	5361.234	6468.765	5297.299	3484.35	3529.533	3238.044
17992	LOC119627	22.93072	-0.74168	0.551607	-1.34457	0.178764	0.264141	24.39389	31.74989	29.22072	15.62489	23.53022	13.06473
2087	HDHD2	2222.094	-0.74185	0.094951	-7.81298	5.59E-15	7.11E-14	2825.354	2716.257	2800.319	1743.291	1602.194	1645.151
18145	LOC119618	26.57301	-0.74198	0.564992	-1.31326	0.189096	0.277026	40.11439	16.96977	43.13534	17.85702	19.252	22.10955
13714	LOC119627	55.29161	-0.74205	0.359099	-2.06643	0.038788	0.075191	59.6295	80.46954	67.48594	40.17829	42.78221	41.20416
2788	SACS	7589.609	-0.74212	0.110426	-6.72051	1.81E-11	1.73E-10	8792.099	10789.49	8923.451	5517.818	5405.533	6109.27
1892	PELI1	4798.702	-0.74212	0.090383	-8.21086	2.20E-16	3.09E-15	5915.789	6316.038	5791.268	3624.974	3424.716	3719.429
4199	IFT20	1095.637	-0.74239	0.142295	-5.21726	1.82E-07	1.15E-06	1508.626	1126.574	1481.908	810.2621	787.1927	859.2574
13531	LOC103227	65.26194</											



14183	PECAM1	66.79065	-0.74285	0.37523	-1.97973	0.047734	0.089474	58.00324	102.9134	88.35788	49.10679	64.17332	38.18922
3175	IFT46	833.1465	-0.74298	0.119989	-6.19204	5.94E-10	4.97E-09	1030.506	1100.845	998.3745	600.4422	639.5941	629.1171
16587	LOC119624	93.45502	-0.74319	0.476581	-1.55941	0.118899	0.190567	200.0299	44.34036	108.5341	60.26743	47.06043	100.4979
18317	LOC119623	19.38963	-0.74321	0.580703	-1.27985	0.2006	0.291147	23.30971	24.63353	25.04633	11.16063	17.11289	15.07469
15178	LOC119615	43.80049	-0.74351	0.41294	-1.80052	0.071778	0.125723	64.50828	47.62483	52.17985	24.5534	42.78221	31.15436
1858	WNT5A	5791.589	-0.74362	0.089759	-8.28466	1.18E-16	1.69E-15	7012.429	7657.196	7092.286	4200.863	4248.274	4538.487
3532	CBX4	1478.031	-0.74389	0.127729	-5.82399	5.75E-09	4.32E-08	1757.986	2062.1	1733.067	1214.277	971.1562	1129.597
13913	LOC119618	55.65917	-0.74398	0.366807	-2.02825	0.042535	0.081276	80.77087	56.38342	70.9646	46.87467	42.78221	36.17926
2397	EXT1	7096.462	-0.74432	0.102324	-7.27417	3.49E-13	3.87E-12	8772.042	9675.504	8222.153	5176.302	5003.38	5729.388
8412	LOC119622	196.1028	-0.74446	0.227076	-3.27845	0.001044	0.003299	209.7874	285.2016	238.6359	169.6417	149.7377	123.6125
23058	LOC119621	3.8069	-0.74448	1.347471	-0.5525	0.580605	0.669415	3.252518	7.116354	4.174388	0	4.278221	4.019918
9238	TMOD4	160.2802	-0.74456	0.244516	-3.04502	0.002327	0.006696	190.8144	237.0293	171.8456	118.3027	141.1813	102.5079
7514	LOC103248	178.4492	-0.7447	0.209539	-3.554	0.000379	0.001342	222.7975	221.1544	224.0255	145.0883	139.0422	118.5876
2680	HMGB1	6646.584	-0.74471	0.108558	-6.86008	6.88E-12	6.83E-11	7780.566	9502.522	7693.397	5035.678	4768.078	5099.266
12041	ZNF461	73.47536	-0.74482	0.310518	-2.39863	0.016456	0.036334	91.6126	97.4393	86.96642	62.49956	47.06043	55.27387
4161	CENPQ	672.7182	-0.74511	0.14193	-5.24982	1.52E-07	9.73E-07	832.1026	872.5744	816.0929	564.7281	517.6648	433.1462
2076	LOC103238	3566.292	-0.74533	0.095022	-7.84381	4.37E-15	5.60E-14	4300.371	4622.345	4472.161	2787.927	2731.644	2483.304
14499	LOC119625	51.05674	-0.74554	0.387217	-1.92539	0.054181	0.099345	53.12446	81.01695	57.7457	33.4819	42.78221	38.18922
2213	SMARCAD1	4562.398	-0.74572	0.098379	-7.58008	3.45E-14	4.15E-13	5536.328	6255.275	5352.957	3403.994	3512.42	3313.417
2235	HEBP2	2558.191	-0.74575	0.098939	-7.53746	4.79E-14	5.70E-13	3055.741	3231.372	3321.422	1991.057	1963.704	1785.849
14485	LOC103222	59.22886	-0.74608	0.387006	-1.92783	0.053876	0.098882	92.69677	52.55153	76.53045	58.0353	36.36488	39.1942
2385	KYAT3	2070.639	-0.74616	0.102303	-7.29369	3.02E-13	3.36E-12	2670.86	2474.301	2645.171	1504.454	1473.847	1655.201
2665	AHI1	1812.495	-0.74661	0.108557	-6.87759	6.09E-12	6.07E-11	2247.49	2468.28	2094.847	1381.687	1371.17	1311.498
19115	LOC119627	19.19731	-0.74665	0.640505	-1.16573	0.243724	0.33897	24.39389	16.42235	32.00364	17.85702	6.417332	18.08963
21986	LOC103228	6.25945	-0.74689	1.02321	-0.72995	0.465421	0.562777	6.505036	9.853413	7.653045	2.232127	4.278221	7.034856
3771	ARAP2	1799.388	-0.74719	0.134059	-5.57358	2.50E-08	1.76E-07	2076.191	2691.076	2000.228	1305.794	1324.11	1398.931
15311	LOC119628	47.91806	-0.74721	0.420332	-1.77767	0.075458	0.131021	76.43418	42.69812	60.52863	46.87467	27.80844	33.16432
22391	LOC119619	5.592232	-0.74742	1.133428	-0.65944	0.509616	0.605071	2.710432	8.211177	9.740239	4.464254	6.417332	2.009959
7798	LOC119627	187.2519	-0.74751	0.215684	-3.46577	0.000529	0.001802	260.7435	214.5854	231.6785	127.2312	130.4858	158.7868
3591	POLR3B	3215.444	-0.74755	0.129919	-5.75392	8.72E-09	6.46E-08	3721.965	4796.422	3575.364	2441.947	2220.397	2536.568
2474	PAQR3	1606.602	-0.74795	0.104458	-7.1603	8.05E-13	8.65E-12	2122.268	1892.95	2028.057	1165.17	1217.154	1214.015
11221	SAMD13	91.00502	-0.74803	0.29033	-2.5765	0.009981	0.023647	124.1378	114.9565	102.2725	82.5887	57.75599	64.31869
3961	MRPL58	1812.627	-0.74822	0.138477	-5.40318	6.55E-08	4.39E-07	2410.658	1827.808	2577.685	1370.526	1377.587	1311.498
5474	TMEM2001	361.7348	-0.74842	0.169094	-4.42606	9.60E-06	4.66E-05	459.1472	454.8992	452.2254	249.9892	239.5804	314.5586
3257	FASTKD3	751.4593	-0.74845	0.12293	-6.08847	1.14E-09	9.30E-09	962.2033	941.0009	927.4099	535.7105	545.4732	596.9578
13972	LOC103217	64.72323	-0.74856	0.371125	-2.01702	0.043694	0.083138	89.98634	74.44801	76.53045	71.42806	42.78221	33.16432
19028	SNAP91	26.58	-0.74865	0.634619	-1.17968	0.238126	0.332699	31.9831	36.12918	30.61218	8.928508	42.78221	9.044815
2148	PDCD6	2981.072	-0.74873	0.097442	-7.68386	1.54E-14	1.91E-13	4011.439	3516.026	3688.072	2174.092	2222.536	2274.269
4165	TFPT	946.5153	-0.74874	0.142664	-5.24827	1.54E-07	9.80E-07	1093.93	1381.667	1088.124	707.5843	646.0114	761.7744
22758	LOC119628	5.113467	-0.74899	1.248737	-0.5998	0.548641	0.6409	9.757555	6.568942	2.782925	0	8.556443	3.014938
1342	RPL30	21216	-0.74905	0.076963	-9.73269	2.19E-22	4.33E-21	25803.31	27053.64	26950.55	15912.83	15966.32	15609.34
10821	RNF112	148.7051	-0.74921	0.281038	-2.66587	0.007679	0.018866	183.2252	187.7623	183.6731	122.767	145.4595	69.34358
18054	TRNAI-UAI	45.71622	-0.74928	0.561851	-1.3336	0.182336	0.268494	67.7608	16.96977	86.96642	44.64254	27.80844	30.14938
23093	LOC119625	3.80398	-0.74929	1.372525	-0.54592	0.585119	0.673598	5.96295	3.284471	4.87012	6.696381	0	2.009959
4840	MARCHF3	552.7809	-0.7494	0.156501	-4.78851	1.68E-06	9.23E-06	705.7965	610.3642	766.696	357.1403	438.5177	438.171
22421	LOC119621	4.864877	-0.74949	1.147532	-0.65313	0.513674	0.609073	6.505036	6.02153	6.261582	2.232127	2.139111	6.029877
15937	LOC103245	44.26073	-0.74974	0.446781	-1.6781	0.093328	0.155683	71.5554	33.39212	61.92009	35.71403	27.80844	35.17428
2285	IDH3B	3646.538	-0.7498	0.100737	-7.44311	9.83E-14	1.14E-12	4889.619	4307.036	4529.211	2734.356	2532.707	2886.301
6831	CUNH3orf	220.9696	-0.75008	0.197041	-3.80669	0.000141	0.000548	307.363	257.831	267.1608	171.8738	149.7377	171.8515
3096	TMEM40	1279.188	-0.75017	0.119346	-6.28566	3.26E-10	2.80E-09	1650.111	1436.409	1730.284	926.3327	939.0696	992.9197
7938	LOC103238	647.378	-0.75025	0.218897	-3.42744	0.000609	0.002041	655.9245	1144.638	632.4198	520.0856	509.1083	422.0914
13568	LOC103215	122.0335	-0.75038	0.358149	-2.09516	0.036157	0.070845	91.07051	241.4086	125.9274	102.6778	87.70354	83.4133
1727	PDCD2	3665.91	-0.75133	0.086862	-8.6497	5.16E-18	7.95E-17	4657.064	4700.625	4442.245	2720.963	2703.836	2770.728
8558	LOC103235	157.5182	-0.75141	0.231978	-3.23914	0.001199	0.003724	181.5989	228.8181	182.9774	104.91	126.2075	120.5975
18303	LOC103234	26.54823	-0.75142	0.586436	-1.28133	0.200077	0.290611	39.03022	15.87494	45.22254	13.39276	25.66933	20.09959
19370	FABP4	15.07899	-0.75194	0.668722	-1.12445	0.260824	0.357977	19.51511	16.42235	20.17621	15.62489	10.69555	8.039836
2937	CCDC59	1449.194	-0.7522	0.115684	-6.5022	7.92E-11	7.16E-10	1749.313	1976.157	1725.414	1075.885	1159.398	1008.999
2939	STN1	956.0433	-0.75229	0.115762	-6.49861	8.11E-11	7.33E-10	1251.135	1201.022	1147.957	736.6019	675.959	723.5852
6475	CFAP251	293.2813	-0.75245	0.190479	-3.95031	7.81E-05	0.00032	340.4302	421.5071	338.8212	220.9806	245.9977	191.9511
3857	YARS2	1310.84	-0.75247	0.137132	-5.48722	4.08E-08	2.81E-07	1877.787	1412.322	1650.275	908.4757	951.9042	1064.273
2356	PRMT5	3933.975	-0.75254	0.102672	-7.3296	2.31E-13	2.60E-12	4697.178	5440.179	4678.793	2917.39	2800.096	3070.212
2713	NBR1	8925.37	-0.75277	0.110362	-6.82093	9.05E-12	8.86E-11	10914.37	12720.76	9976.092	6609.328	6318.933	7012.747
4566	NAT9	655.7439	-0.75282	0.151731	-4.96154	6.99E-07	4.07E-06	899.8634	690.8337	875.9258	511.1571	498.4128	458.2706
1963	AKR1E2	2518.551	-0.75284	0.093333	-8.06611	7.26E-16	9.83E-15	3199.394	3150.355	3139.14	1785.702	1876	1960.715
23941	TRNAP-AG	1.938963	-0.75291	1.806214	-0.41684	0.676792	0.751536	2.168345	3.831883	1.391463	2.232127	0	2.009959
2014	POLD2	8364.929	-0.75311	0.094797	-7.94442	1.95E-15	2.58E-14	10352.22	10747.34	10410.92	6089.242	5767.042	6822.806
17007	BMP8B	30.00476	-0.75325	0.505127	-1.94121	0.135905	0.212444	42.82482	33.93953	34.78657	22.32127	32.08666	14.06971
14599	LOC103246	61.46378	-0.75341	0.395187	-1.90647	0.056589	0.10305	60.17159	111.672	60.52863	44.64254	38.50399	53.26391
1463	STK17B	8703.023	-0.75363	0.080716	-9.33681	9.93E-21	1.80E-19	11265.64	10680	10831.15	6372.723	6622.687	6445.938
11630	LOC103233	80.73975	-0.7538	0.303075	-2.48718	0.012876	0.029434	98.11763	89.22813	116.1871	64.73168	59.8951	56.27885
2284	KIF2C	3385.389	-0.75399	0.1013	-7.44317	9.83E-1							



2335	NCAPD2	5543.507	-0.75551	0.102654	-7.35977	1.84E-13	2.10E-12	6985.325	7090.078	6823.733	4020.061	3737.026	4604.816
2960	ANAPC4	1302.696	-0.75556	0.116615	-6.47906	9.23E-11	8.29E-10	1770.996	1492.792	1648.188	953.1182	939.0696	1012.014
2553	QARS1	8439.86	-0.75558	0.107307	-7.04131	1.90E-12	1.98E-11	11297.08	9887.352	10628.69	6031.207	5749.929	7044.906
3432	NOP58	5935.755	-0.75564	0.127729	-5.91597	3.30E-09	2.56E-08	6810.773	9018.61	6535.7	4424.076	4504.967	4320.407
16013	LOC103221	33.67807	-0.75566	0.45454	-1.66248	0.096417	0.160073	40.65648	41.6033	43.83108	33.4819	21.39111	21.10457
2702	TAGLN	1114.576	-0.7557	0.110645	-6.82991	8.50E-12	8.36E-11	1367.142	1457.21	1376.157	861.601	787.1927	838.1529
7048	LOC119620	194.0901	-0.75571	0.20353	-3.71301	0.000205	0.000773	239.6022	232.1026	258.1163	140.624	160.4333	133.6623
8576	LOC103222	212.0134	-0.75572	0.233644	-3.23451	0.001219	0.003777	303.5684	208.0165	290.8157	136.1597	147.5986	185.9212
12972	LOC119621	156.0867	-0.75583	0.342239	-2.20848	0.027211	0.055766	157.7471	303.2661	124.5359	133.9276	132.6249	84.41828
16688	TRNAL-AA	48.69637	-0.75586	0.489355	-1.5446	0.122444	0.19506	73.72375	33.39212	78.61764	20.08914	32.08666	54.26889
13329	LOC103223	65.33651	-0.75628	0.35294	-2.1428	0.032129	0.064083	77.51835	81.56436	89.74935	44.64254	34.22577	64.31869
11897	LOC119622	84.98899	-0.75637	0.311813	-2.4257	0.015279	0.034142	107.3331	100.1764	113.4042	42.41041	81.28621	65.32367
3218	PARDB6	2120.629	-0.75649	0.123173	-6.14165	8.17E-10	6.75E-09	2478.961	3089.592	2426.711	1513.382	1567.968	1647.161
1977	NT5C3B	2443.985	-0.7568	0.094179	-8.03579	9.30E-16	1.25E-14	2952.202	3153.639	3105.049	1772.309	1888.835	1791.878
2260	AASDHPPT	3163.865	-0.75691	0.10098	-7.49566	6.60E-14	7.76E-13	4204.422	3672.038	4054.722	2341.501	2233.232	2477.274
3145	SLC9A7	1025.019	-0.75708	0.121637	-6.22409	4.84E-10	4.09E-09	1264.145	1403.016	1198.745	774.5481	718.7412	790.9188
2802	CAD	8836.564	-0.75714	0.113172	-6.69013	2.23E-11	2.12E-10	11494.94	10358.67	11469.13	6214.242	5918.919	7563.475
2216	MAD2L1	3414.002	-0.75742	0.100021	-7.57261	3.66E-14	4.39E-13	4251.583	4042.089	4570.259	2631.678	2624.689	2363.712
3227	EBAG9	1061.088	-0.75743	0.123459	-6.13506	8.51E-10	7.01E-09	1266.314	1441.335	1286.407	830.3512	823.5576	718.5603
12567	GSDME	64.86787	-0.75764	0.330834	-2.2901	0.022015	0.046572	86.73382	79.92212	76.53045	51.33892	53.47777	41.20416
19907	LOC119623	19.21352	-0.75769	0.724158	-1.0463	0.29542	0.395012	38.48813	15.32753	20.17621	4.464254	10.69555	26.12947
18495	LOC103231	19.13895	-0.75786	0.604534	-1.25362	0.209979	0.301974	29.81475	16.96977	25.74206	13.39276	12.83466	16.07967
11241	LOC103241	128.8468	-0.75787	0.294592	-2.57261	0.010094	0.023871	126.3061	216.2277	145.4079	89.28508	81.28621	114.5677
10274	THBS2	123.3905	-0.75824	0.271315	-2.79469	0.005195	0.013443	126.3061	174.6244	163.4969	78.12444	113.3729	84.41828
3249	PLCXD2	673.7391	-0.75896	0.124421	-6.0999	1.06E-09	8.68E-09	836.4393	874.7641	829.3118	491.0679	513.3866	497.4648
3041	LOC103224	1309.52	-0.75916	0.119557	-6.3498	2.16E-10	1.88E-09	1652.821	1492.245	1790.117	1024.546	981.8518	915.5363
4228	CDT1	1021.122	-0.75936	0.146063	-5.19881	2.01E-07	1.26E-06	1446.829	1065.263	1343.457	741.0662	708.0456	822.0732
3523	LOC103225	1075.977	-0.7595	0.130153	-5.83541	5.37E-09	4.05E-08	1478.812	1227.845	1358.068	732.1376	778.6363	880.362
4189	MIX23	977.7711	-0.75953	0.145171	-5.23195	1.68E-07	1.06E-06	1089.594	1429.292	1163.959	765.6196	767.9407	650.2217
10249	LOC103216	129.4891	-0.75966	0.271106	-2.80206	0.005078	0.013171	190.2723	122.0728	176.02	89.28508	104.8164	94.46807
13749	LOC119624	92.02434	-0.75986	0.369169	-2.05831	0.039561	0.076494	133.8953	63.49977	150.9737	55.80317	70.59065	77.38342
9334	CHDH	135.1401	-0.76008	0.251468	-3.02256	0.002507	0.007139	187.5619	142.8745	179.4987	113.8385	85.56443	101.5029
4225	LOC103216	672.9329	-0.76022	0.146172	-5.20087	1.98E-07	1.25E-06	804.4562	955.781	782.0021	504.4607	449.2132	541.6839
4328	B3GNTL1	592.8223	-0.76053	0.148187	-5.13221	2.86E-07	1.76E-06	774.0993	645.3985	817.4844	421.872	459.9088	438.1971
3287	RGS12	657.1281	-0.76056	0.125662	-6.05241	1.43E-09	1.15E-08	823.9713	823.3074	834.8776	466.5145	485.5781	508.5196
2974	LOC103238	892.1016	-0.76097	0.117783	-6.4608	1.04E-10	9.31E-10	1057.611	1176.935	1132.651	656.2453	658.8461	670.3213
3301	PPIH	1581.454	-0.76112	0.125989	-6.0412	1.53E-09	1.23E-08	1857.73	2265.737	1839.514	1272.312	1152.981	1100.453
2113	DTL	2876.553	-0.76114	0.097862	-7.77764	7.39E-15	9.30E-14	3623.305	3816.008	3420.215	2113.824	2042.851	2243.114
3340	HAUS1	846.2786	-0.76123	0.126814	-6.00275	1.94E-09	1.54E-08	1106.398	980.962	1110.387	582.5851	631.0376	666.3014
4874	LOC103233	2275.636	-0.7613	0.160036	-4.75704	1.96E-06	1.07E-05	3251.976	2077.428	3258.806	1678.559	1685.619	1701.43
3015	TMEM97	1788.251	-0.76142	0.119046	-6.39608	1.59E-10	1.41E-09	2107.632	2567.909	2072.584	1314.723	1339.083	1327.578
2889	MMS19	3631.821	-0.76145	0.116029	-6.56258	5.29E-11	4.87E-10	4966.595	4329.48	4418.59	2665.16	2385.108	3025.993
10043	KRT80	107.8243	-0.76148	0.266997	-2.85202	0.004344	0.0115	137.6899	122.0728	145.4079	82.5887	89.84265	69.34358
2811	KPNA5	1062.215	-0.76163	0.113954	-6.68369	2.33E-11	2.20E-10	1295.044	1426.008	1285.712	792.4051	804.3056	769.8143
3179	DIMT1	1737.552	-0.76166	0.123101	-6.18728	6.12E-10	5.12E-09	2024.693	2497.84	2032.927	1241.063	1377.587	1251.199
14198	LOC119615	47.41506	-0.76169	0.385205	-1.97737	0.047999	0.089876	59.08741	52.55153	68.18167	31.24978	34.22577	39.1942
2660	LAS1L	3360.648	-0.76173	0.110723	-6.8796	6.00E-12	6.00E-11	4086.247	4699.53	3903.749	2415.161	2365.856	2693.345
13195	LOC103226	68.6395	-0.76197	0.351127	-2.17008	0.030001	0.060446	66.13454	112.7668	80.00911	51.33892	51.33866	50.24897
18322	TNFAIP8L3	18.95829	-0.76204	0.595676	-1.27929	0.200794	0.291349	24.93597	27.37059	18.78475	15.62489	14.97377	12.05975
14576	LOC103226	56.80607	-0.76234	0.399059	-1.91035	0.056088	0.102298	60.17159	99.62895	54.26705	51.33892	34.22577	41.20416
3252	LOC119624	790.9903	-0.76239	0.12503	-6.09764	1.08E-09	8.80E-09	1042.974	988.6257	951.0648	569.1924	635.3159	558.7686
2120	JADE1	9883.251	-0.76265	0.098285	-7.75954	8.52E-15	1.07E-13	12400.77	13478.37	11435.74	6935.219	7287.95	7761.456
2271	MRT04	1659.198	-0.76295	0.102244	-7.46204	8.52E-14	9.97E-13	2190.029	1983.82	2092.064	1198.652	1236.406	1254.214
16069	LOC103242	35.94585	-0.76302	0.461633	-1.65286	0.098358	0.162727	53.66655	38.86624	42.43961	20.08914	38.50399	22.10955
3477	PTPN11	10272.55	-0.76307	0.129772	-5.88006	4.10E-09	3.14E-08	1155.37	15647.77	11581.14	7415.126	7198.107	8234.802
9945	LOC119627	125.2632	-0.76345	0.265427	-2.8763	0.004024	0.010757	161.5417	166.9606	142.6249	78.12444	121.9293	80.39836
2151	RNPS1	5542.193	-0.76357	0.099431	-7.67939	1.60E-14	1.98E-13	6719.703	7569.063	6643.539	4118.274	3843.982	4358.596
8937	ARRB2	178.5159	-0.76372	0.24361	-3.13502	0.001718	0.005112	178.8885	270.9688	226.1127	136.1597	111.2338	147.732
8137	LOC103233	159.0911	-0.76386	0.2268	-3.36799	0.000757	0.002474	214.6662	183.9304	204.545	116.0706	102.6773	132.6573
16024	LOC103238	32.22661	-0.76403	0.459793	-1.66169	0.096575	0.160225	38.48813	42.15071	40.35242	22.32127	29.94755	20.09959
19007	LOC119618	16.7745	-0.76421	0.645575	-1.18377	0.236504	0.330797	27.6464	16.96977	18.78475	15.62489	8.556443	13.06473
1961	ORC2	2661.804	-0.76449	0.094763	-8.06744	7.18E-16	9.73E-15	3324.074	3523.69	3202.451	1962.04	2030.016	1928.556
15772	LOC103227	42.10487	-0.76453	0.448058	-1.70631	0.087951	0.148248	48.24569	43.24553	66.09448	29.01765	44.92132	21.10457
2273	NCEH1	1499.568	-0.76476	0.10254	-7.45821	8.77E-14	1.03E-12	1858.814	1955.355	1853.428	1095.974	1078.112	1155.726
4906	TJP1	10301.38	-0.76489	0.161363	-4.7402	2.14E-06	1.16E-05	10830.34	17275.22	10806.1	7535.661	7287.95	8073
14061	LOC119627	62.85871	-0.76497	0.382171	-2.00163	0.045324	0.085694	61.25576	103.4608	73.05179	31.24978	59.8951	48.23901
23477	LOC119627	2.822065	-0.76514	1.568717	-0.48775	0.62573	0.708506	5.420864	3.831883	1.391463	0	4.278221	2.009959
3654	OBSCN	1089.047	-0.76538	0.134405	-5.69455	1.24E-08	9.00E-08	1472.307	1188.978	1458.253	761.1553	772.219	881.367
2576	RCC2	6796.94	-0.7655	0.109128	-7.0147	2.30E-12	2.38E-11	8280.369	9364.026	8041.959	4859.34	4631.175	5604.77
13367	LOC119615	59.94085	-0.76592	0.359014	-2.13339	0.032893	0.065419	86.73382	62.40495	75.83472	53.57105	44.	



16817	LOC103234	28.45175	-0.76739	0.504049	-1.52246	0.127894	0.20218	30.89892	44.34036	31.30791	24.5534	23.53022	16.07967
3329	ATP23	833.0042	-0.76751	0.127558	-6.01695	1.78E-09	1.42E-08	1099.893	1080.591	968.4581	656.2453	564.7252	628.1122
2644	NFE2L1	20203.6	-0.76754	0.111036	-6.91254	4.76E-12	4.79E-11	24062.67	28977.79	23329.96	14734.27	13910.64	16206.3
2610	MAP2K5	1920.419	-0.76765	0.110245	-6.9631	3.33E-12	3.39E-11	2298.446	2649.473	2305.654	1482.132	1448.178	1338.633
8812	LOC119626	152.8241	-0.76772	0.242051	-3.17175	0.001515	0.004571	224.9658	159.8442	194.1091	111.6063	104.8164	121.6025
5260	ZFAND4	410.8629	-0.76783	0.168833	-4.54787	5.42E-06	2.74E-05	480.8306	569.3083	502.318	261.1589	355.0924	296.4689
4160	LRR1	439.647	-0.76805	0.146285	-5.25036	1.52E-07	9.70E-07	573.5274	539.748	551.0192	301.3371	331.5622	340.688
14201	TRNAS-GC1	78.72768	-0.76808	0.388517	-1.97695	0.048047	0.089947	128.4745	56.93083	114.0999	53.57105	44.92132	74.36848
17922	LOC103226	21.16572	-0.76818	0.566149	-1.35685	0.17483	0.259337	29.27266	21.34906	29.91645	13.39276	14.97377	18.08963
5636	HIST4H4	5191.606	-0.76821	0.176349	-4.35619	1.32E-05	6.24E-05	7432.546	4334.407	7859.677	3908.454	3775.53	3839.022
2628	TIPIN	1695.134	-0.76854	0.110837	-6.934	4.09E-12	4.14E-11	2077.275	2305.151	2025.97	1171.867	1343.361	1247.18
7613	LOC103235	214.3166	-0.76869	0.218286	-3.5215	0.000429	0.001498	248.2756	319.1411	242.8102	133.9276	183.9635	157.7818
3451	PAPOLA	9602.19	-0.76874	0.130293	-5.90005	3.63E-09	2.80E-08	10475.82	14763.7	11067.69	6986.557	6881.519	7437.853
7157	PIDD1	413.266	-0.76901	0.209081	-3.67803	0.000235	0.000873	578.9482	397.421	590.6759	308.0335	241.7195	362.7976
4068	FANCA	1962.725	-0.76944	0.144644	-5.31953	1.04E-07	6.80E-07	2875.768	2036.372	2515.765	1417.401	1306.997	1624.047
12713	ATP13A4	117.1868	-0.76955	0.341221	-2.25529	0.024115	0.050429	154.4946	139.0426	145.4079	93.74933	126.2075	44.2191
10275	LOC119626	101.4722	-0.76958	0.275398	-2.79441	0.005199	0.013453	136.6058	108.935	137.7548	82.5887	70.59065	72.35852
5998	LOC119623	290.5711	-0.76959	0.184789	-4.16468	3.12E-05	0.000138	352.3561	420.9597	325.6023	223.2127	203.2155	218.0805
4184	HOOK1	1258.38	-0.7696	0.146955	-5.23697	1.63E-07	1.04E-06	1464.175	1924.7	1371.287	946.4218	874.8963	968.8002
20145	LOC119626	185.1797	-0.76983	0.766501	-1.00435	0.315212	0.41598	366.9925	54.19377	279.684	133.9276	98.39909	177.8814
22426	LOC119623	4.67513	-0.76994	1.180448	-0.65225	0.514243	0.609584	7.047123	5.474118	4.87012	2.232127	6.417332	2.009959
13157	MEGF10	65.18263	-0.77032	0.353489	-2.17919	0.029318	0.059239	66.13454	95.79707	82.79203	53.57105	55.61688	37.18424
3315	LOC103226	4745.714	-0.77061	0.1278	-6.02982	1.64E-09	1.32E-08	6558.161	4920.685	6478.651	3334.798	3369.099	3812.892
9071	CUNH3orf1	116.93	-0.77063	0.249375	-3.09026	0.002	0.00586	151.7842	144.5167	144.7121	87.05295	94.12087	79.39338
10891	LOC103218	119.0169	-0.7707	0.290569	-2.65237	0.007993	0.019511	152.8684	112.2194	187.1517	73.66019	87.70354	100.4979
25090	LOC103235	0.90393	-0.77122	3.320152	-0.23228	0.816318	0.864998	0	3.284471	0	0	2.139111	0
4557	RHBDL3	472.4818	-0.77127	0.155221	-4.96886	6.73E-07	3.93E-06	590.3321	606.5323	594.8503	287.9444	374.3444	380.8872
12242	LOC119615	69.52594	-0.77129	0.327082	-2.3581	0.018369	0.039892	89.44425	72.80577	100.881	53.57105	49.19955	51.25395
6416	LOC119623	236.1891	-0.77133	0.194121	-3.97348	7.08E-05	0.000293	314.9522	267.137	313.0791	183.0344	154.016	184.9162
4577	LSM11	358.2881	-0.77143	0.155721	-4.95394	7.27E-07	4.22E-06	450.4738	455.994	451.5297	258.9267	252.4151	280.3893
2902	PPWD1	1569.714	-0.77204	0.117956	-6.54518	5.94E-11	5.44E-10	1850.683	2172.13	1922.306	1160.706	1065.277	1247.18
5800	LOC103235	334.8422	-0.7721	0.180687	-4.27313	1.93E-05	8.83E-05	475.4097	353.0806	438.3108	247.7661	250.2759	244.21
5698	MFSD10	1345.371	-0.77227	0.178457	-4.32747	1.51E-05	7.04E-05	1963.437	1195	1934.829	1033.475	896.2874	1049.199
15887	LOC119623	40.27811	-0.7724	0.457939	-1.68669	0.091663	0.153387	48.78777	43.24553	62.61582	24.5534	19.252	43.21412
1868	BRD9	2218.785	-0.77252	0.093561	-8.25685	1.50E-16	2.13E-15	2842.701	2823.003	2733.529	1656.238	1582.942	1674.296
2887	CDK2AP1	4164.139	-0.77259	0.117702	-6.56397	5.24E-11	4.82E-10	4880.404	6110.211	4772.021	2968.729	3037.537	3215.934
11250	LOC119626	85.03259	-0.77263	0.300605	-2.57024	0.010163	0.024014	123.0536	90.32295	109.2298	62.49956	57.75599	67.33362
4515	INPP4B	442.3879	-0.77269	0.154433	-5.00342	5.63E-07	3.32E-06	550.2177	592.2996	527.3644	363.8367	325.1448	295.464
3740	SMC1A	7202.531	-0.77283	0.137903	-5.60416	2.09E-08	1.49E-07	8000.653	11317.19	7943.861	5399.515	5054.719	5499.248
19152	LOC119626	15.70389	-0.77318	0.666507	-1.16005	0.246027	0.341511	24.39389	13.6853	20.87194	13.39276	12.83466	9.044815
24914	DYNLT4	0.911575	-0.77347	2.955326	-0.26172	0.793537	0.846727	0	0.547412	2.782925	0	2.139111	0
24627	LOC119623	1.494872	-0.77405	2.48433	-0.31157	0.755364	0.81542	1.084173	0	4.87012	0	0	3.014938
8834	LOC119623	134.0193	-0.77429	0.244863	-3.16215	0.001566	0.004713	182.141	179.0037	146.1036	89.28508	109.0946	98.48799
1664	ECHDC1	5793.283	-0.77437	0.087933	-8.80641	1.29E-18	2.06E-17	7586.499	7278.935	7075.588	4256.666	4087.84	4474.169
2158	PSMG3	1740.173	-0.77438	0.100944	-7.67142	1.70E-14	2.10E-13	2259.958	2252.052	2078.845	1279.009	1255.658	1315.518
19649	LOC103235	14.30687	-0.77442	0.718534	-1.07778	0.281132	0.380371	26.02015	13.6853	13.91463	15.62489	8.556443	8.039836
10605	FANCF	110.5591	-0.77452	0.28471	-2.72037	0.006521	0.016347	166.9626	113.3142	138.4505	66.96381	96.25998	81.40334
23573	LOC119623	2.355457	-0.77471	1.637266	-0.47317	0.636091	0.717348	4.878777	1.094824	2.782925	2.232127	2.139111	1.004979
3509	TLK2	3651.147	-0.77488	0.132499	-5.84817	4.97E-09	3.77E-08	4164.85	5581.411	4082.552	2555.785	2695.279	2827.007
14362	LOC103215	49.91318	-0.77543	0.397752	-1.94953	0.051232	0.094883	60.17159	72.80577	57.04997	22.32127	44.92132	42.20914
2342	MRPS6	1596.548	-0.77543	0.105484	-7.35123	1.96E-13	2.23E-12	1948.258	2040.204	2053.799	1154.01	1268.493	1114.522
3121	UCN2	834.5988	-0.77551	0.12403	-6.25261	4.04E-10	3.44E-09	1003.944	1139.164	1017.159	640.6204	594.6728	612.0325
6825	LOC103247	449.7382	-0.77562	0.203632	-3.80893	0.00014	0.000544	679.7763	406.727	618.5052	303.5693	340.1186	349.7329
11851	LOC103247	97.12261	-0.77563	0.31842	-2.43588	0.014856	0.033325	131.727	85.94365	151.6694	60.26743	72.72976	80.39836
12648	LOC103247	82.79871	-0.77577	0.341558	-2.27125	0.023132	0.048621	109.5014	105.6505	101.5768	33.4819	64.1732	82.40832
4786	LOC103245	749.3986	-0.77653	0.161055	-4.82148	1.42E-06	7.92E-06	782.7727	1092.087	960.1093	622.7634	541.195	497.4648
2246	TARS1	10828.12	-0.77666	0.103315	-7.51739	5.59E-14	6.61E-13	13012.78	15475.88	12534.3	8080.3	7820.589	8044.861
19928	LOC103245	16.05881	-0.77683	0.745364	-1.04221	0.297314	0.396633	28.73058	10.40082	20.87194	8.928508	21.39111	6.029877
3399	KLF12	1499.368	-0.77693	0.130665	-5.94597	2.75E-09	2.15E-08	1724.377	2193.479	1764.375	1156.242	1016.078	1141.657
6262	DLX1	262.2621	-0.77704	0.192114	-4.0447	5.24E-05	0.000222	302.4842	375.5245	317.9492	169.6417	198.9373	209.0357
18564	EDN2	19.3481	-0.77711	0.626205	-1.24098	0.214614	0.307342	23.8518	22.44388	25.74206	15.62489	21.39111	7.034856
3893	SYT14	1768.967	-0.77722	0.142612	-5.4499	5.04E-08	3.44E-07	1974.279	2712.426	2012.751	1290.169	1401.117	1223.06
19565	TRNAH-GU	20.8199	-0.7774	0.713644	-1.08934	0.276004	0.375035	40.11439	8.211177	31.30791	15.62489	8.556443	21.10457
1816	FBXL5	3670.799	-0.77773	0.092402	-8.41681	3.87E-17	5.66E-16	4722.114	4497.535	4683.664	2785.694	2802.235	2533.553
3610	POLR1C	1835.201	-0.77773	0.135756	-5.72887	1.01E-08	7.45E-08	2581.957	1904.446	2471.934	1352.669	1262.075	1438.126
1803	IPO11	4048.753	-0.77803	0.092212	-8.43735	3.25E-17	4.79E-16	5258.78	5103.52	4989.785	2906.229	2851.435	3182.77
2998	ALG13	890.5531	-0.77804	0.12122	-6.4184	1.38E-10	1.22E-09	1075.499	1215.802	1082.558	674.1023	648.1505	647.2068
10897	ZNF772	86.76753	-0.7781	0.293511	-2.65102	0.008025	0.019578	100.286	119.3358	109.2298	53.57105	74.86887	63.31371
24876	LOC103244	0.91677	-0.7784	2.882646	-0.27003	0.787137	0.841214	1.626259	1.642235	0	2.232127	0	0
3521	LSM12	3660.334	-0.77859	0.133351	-5.83867	5.26E-09	3.97E-08	4119.856	5649.837	4103.424	2694.177	2729.505	2665.206
3061	LETMD1	2077.066	-0.77905	0.123277	-6.31947	2.62E-10	2.28E-09	2920.219	2387.263	2573.51	149		



9895	LOC103234	108.2242	-0.77932	0.27004	-2.88593	0.003903	0.010485	123.0536	156.5598	129.406	78.12444	89.84265	72.35852
4211	PPP1R3F	427.1823	-0.77948	0.149636	-5.20914	1.90E-07	1.20E-06	541.5443	506.9033	573.2826	303.5693	310.171	327.6233
6790	LOC103217	426.744	-0.77951	0.203974	-3.8216	0.000133	0.000519	404.9385	666.7476	543.3662	350.4439	316.5884	278.3793
1876	ANXA1	24146.48	-0.77964	0.094643	-8.23764	1.76E-16	2.49E-15	31960.87	27370.59	32215.84	17912.82	18113.99	17304.74
23107	TRNAY-GU	3.360372	-0.77982	1.436989	-0.54268	0.587351	0.675758	6.505036	2.189647	4.174388	0	4.278221	3.014938
27795	LOC119627	0.671338	-0.77997	2.872186	-0.27156	0.785961	NA	1.084173	0.547412	1.391463	0	0	1.004979
2506	SLC6A6	17402.66	-0.7801	0.109511	-7.12348	1.05E-12	1.12E-11	20567.84	24482.99	20947.08	12406.16	11801.47	14210.41
1991	PIGN	3513.982	-0.78031	0.097369	-8.01399	1.11E-15	1.48E-14	4715.067	4220.545	4396.327	2511.143	2494.203	2746.609
13573	PAX9	49.21367	-0.78034	0.372715	-2.09367	0.036289	0.071078	61.79785	61.85754	63.31155	40.17829	29.94755	38.18922
16364	NRGN	39.55468	-0.78088	0.48968	-1.59467	0.110786	0.179973	30.89892	63.49977	54.26705	26.78552	42.78221	19.09461
14374	LOC119629	42.56908	-0.78103	0.400797	-1.94869	0.051333	0.094941	50.41403	55.28859	54.96278	31.24978	36.36488	27.13445
1643	CCT5	17836.4	-0.78112	0.088088	-8.86758	7.48E-19	1.21E-17	21839.03	24374.61	21436.18	12968.66	13384.42	13015.49
4140	PGS1	1463.551	-0.78124	0.148403	-5.26431	1.41E-07	9.04E-07	2043.124	1562.313	1953.614	1031.243	934.7914	1256.224
16577	LOC103236	31.79715	-0.78131	0.50055	-1.5609	0.118546	0.190116	52.04029	27.918	40.35242	31.24978	17.11289	22.10955
22680	LOC119627	4.186263	-0.78143	1.280136	-0.61043	0.541579	0.634821	5.96295	6.02153	3.478657	2.232127	6.417332	1.004979
5541	RPS15	23430	-0.78164	0.177814	-4.39584	1.10E-05	5.29E-05	34492.96	19242.62	35144.87	17490.95	16280.77	17927.83
3074	MRPS18B	926.6581	-0.78172	0.123956	-6.30642	2.86E-10	2.47E-09	1156.27	1161.06	1203.615	691.9594	605.3683	741.6748
4444	ZC3H6	1501.507	-0.7818	0.154883	-5.04768	4.47E-07	2.68E-06	1669.626	2382.336	1644.013	1033.475	1170.094	1109.497
2068	RUVBL2	4101.618	-0.78196	0.099588	-7.852	4.09E-15	5.26E-14	5387.796	4746.608	5429.488	3080.335	2845.017	3120.461
2583	LOC103217	30384.11	-0.78267	0.111691	-7.00746	2.43E-12	2.50E-11	36056.87	43529.09	35710.5	21673.95	20700.17	24634.06
4501	RPL10A	20990.2	-0.78305	0.156282	-5.01046	5.43E-07	3.21E-06	29997.98	18819.47	30836.21	15399.44	15097.84	15790.24
22412	LOC103236	4.307188	-0.78318	1.196496	-0.65456	0.512748	0.608191	4.878777	6.568942	4.87012	2.232127	4.278221	3.014938
2590	LOC103248	1140.7	-0.78326	0.111986	-6.99422	2.67E-12	2.74E-11	1532.478	1382.762	1410.943	848.2083	857.7834	812.0234
3977	P2RY11	479.2084	-0.7834	0.145322	-5.39076	7.02E-08	4.69E-07	595.7529	641.0192	585.1101	348.2118	327.2839	377.8723
9150	FOXO6	171.0548	-0.78349	0.255496	-3.06656	0.002165	0.006291	179.4306	280.8223	187.1517	129.4634	136.9031	112.5577
22428	TRNAA-AG	4.308075	-0.78354	1.201894	-0.65192	0.514454	0.609807	4.336691	7.116354	4.87012	2.232127	4.278221	3.014938
17174	LOC119627	23.17498	-0.78363	0.532495	-1.47163	0.141121	0.218452	31.9831	29.01283	27.13352	17.85702	14.97377	18.08963
11270	LOC103247	139.3467	-0.78365	0.305452	-2.56554	0.010301	0.0243	133.8953	251.262	143.3207	120.5349	85.56443	101.5029
17325	TRNAS-CG	25.49485	-0.78366	0.542626	-1.44419	0.148685	0.228155	34.69353	20.80165	41.04815	20.08914	19.252	17.08465
20235	TRNAG-GC	14.95892	-0.78403	0.791988	-0.98995	0.322197	0.423306	25.47806	4.926706	26.43779	11.16063	10.69555	11.05477
2039	SRSF7	6477.39	-0.7842	0.099312	-7.89628	2.87E-15	3.75E-14	8656.035	7421.262	8515.056	4502.2	4800.164	4969.623
6757	ANAPC11	1127.68	-0.78423	0.204621	-3.83258	0.000127	0.000499	1740.097	907.0614	1635.664	814.7263	770.0798	898.4516
10570	LOC103214	165.785	-0.78437	0.287454	-2.72868	0.006359	0.015992	158.2892	298.8869	173.2371	120.5349	109.0946	134.6672
2133	UTP15	2067.544	-0.78442	0.101523	-7.72655	1.11E-14	3.18E-13	2591.173	2763.882	2497.676	1515.614	1446.039	1590.883
5801	TEAD3	264.961	-0.78444	0.183605	-4.27242	1.93E-05	8.86E-05	309.5313	365.6711	332.5596	196.4272	177.5462	208.0308
20474	LOC119629	5.989875	-0.7845	0.825281	-0.95058	0.341818	0.443821	15.17842	9.853413	11.1317	8.928508	6.417332	6.029877
17393	MC3R	27.55577	-0.7847	0.548573	-1.43044	0.15259	0.233236	28.73058	45.98259	28.52499	20.08914	29.94755	12.05975
11226	SFMBT2	82.38234	-0.78472	0.304769	-2.57482	0.010029	0.023749	102.9964	98.53413	109.9256	53.57105	77.00798	52.25893
22651	LOC103247	3.79947	-0.78532	1.276075	-0.61542	0.538279	0.631778	4.878777	3.831883	5.565851	2.232127	4.278221	2.009959
1982	RANBP1	6329.487	-0.78576	0.097865	-8.02899	9.83E-16	1.32E-14	7434.172	8839.059	7760.883	4723.181	4609.873	4609.841
13724	LOC103236	50.80687	-0.7858	0.380391	-2.06577	0.03885	0.075257	60.17159	55.28859	77.92191	40.17829	32.08666	39.1942
4495	UBE2T	513.0043	-0.78594	0.156768	-5.01341	5.35E-07	3.16E-06	697.6652	554.5282	695.0356	363.8367	402.1528	364.8075
2803	JAM3	1883.076	-0.78653	0.117607	-6.68782	2.27E-11	2.15E-10	2539.675	2152.971	2465.672	1383.919	1257.797	1498.424
19930	RAET1E	12.8128	-0.78687	0.755092	-1.04209	0.29737	0.396667	19.51511	10.94824	17.39328	11.16063	12.83466	5.024897
19148	SLC25A53	14.82073	-0.78702	0.677838	-1.16107	0.245613	0.341008	18.43094	23.53871	13.91463	11.16063	12.83466	9.044815
2843	RPS24	54815.92	-0.78708	0.118868	-6.62143	3.56E-11	3.33E-10	63510.3	70772.68	73931.2	41872.47	44998.33	33810.52
3485	LOC103245	927.7775	-0.78719	0.13409	-5.87062	4.34E-09	3.31E-08	1080.92	1347.728	1096.473	678.5666	669.5416	693.4358
3333	THNSL2	3267.978	-0.78726	0.131015	-6.00893	1.87E-09	1.49E-08	4587.677	3637.004	4199.435	2229.895	2169.058	2784.798
15025	SLC7A9	38.72565	-0.7875	0.430627	-1.82873	0.06744	0.119328	51.49821	45.98259	48.7012	24.5534	38.50399	23.11453
2302	IRS2	1558.608	-0.78782	0.106329	-7.40927	1.27E-13	1.47E-12	1949.343	2086.186	1890.302	1133.921	1090.946	1200.95
3605	LOC103225	783.4562	-0.78798	0.137432	-5.73356	9.83E-09	7.25E-08	989.3076	1093.181	894.7105	522.3177	620.3421	580.8781
3714	LOC119629	739.8082	-0.78803	0.13992	-5.63197	1.78E-08	1.28E-07	871.6749	997.9317	947.5861	533.4783	479.1608	609.0176
26590	TRNAN-GL	0.673113	-0.78815	3.210285	-0.24551	0.806064	NA	0	1.642235	1.391463	0	0	1.004979
1999	LARS1	14489.42	-0.7882	0.098543	-7.99855	1.26E-15	1.67E-14	17902.4	20203.88	16954.97	10292.34	10336.18	11246.73
2653	NPM1	58829.56	-0.78875	0.114458	-6.89112	5.54E-12	5.55E-11	66863.1	85521.05	71175.41	43678.26	46418.7	39320.83
2368	MYO1E	5695.094	-0.78891	0.107899	-7.31333	2.61E-13	2.93E-12	6851.43	8100.6	6698.502	3986.579	4064.31	4469.144
2521	TCF3	2951.819	-0.78926	0.1112	-7.09766	1.27E-12	1.34E-11	3867.244	3473.875	3880.094	2350.43	1910.226	2229.044
4205	MND1	491.0121	-0.78938	0.151396	-5.21398	1.85E-07	1.17E-06	582.7428	668.3898	610.8521	361.6046	397.8746	324.6084
5479	ICA1	264.6267	-0.78953	0.178608	-4.42048	9.85E-06	4.78E-05	326.336	362.934	317.2535	189.7308	192.52	198.9859
2796	FAM234B	1032.753	-0.78957	0.117802	-6.70251	2.05E-11	1.95E-10	1317.27	1363.603	1250.229	723.2091	725.1585	817.0483
12643	LOC119629	59.22149	-0.78991	0.347654	-2.27211	0.02308	0.048531	78.60252	67.87906	80.00911	37.94616	40.6431	50.24897
2183	SLC35B4	1784.368	-0.79017	0.103379	-7.6434	2.12E-14	2.58E-13	2262.669	2370.841	2151.897	1232.134	1354.057	1334.613
2088	DARS2	2104.127	-0.79023	0.10115	-7.81245	5.61E-15	7.14E-14	2626.408	2807.675	2570.727	1504.454	1482.404	1633.092
3596	LOC103216	624.3933	-0.79033	0.137481	-5.74866	9.00E-09	6.65E-08	821.8029	737.3637	809.8313	482.1394	479.1608	416.0615
24536	LOC119628	1.086933	-0.79033	2.431306	-0.32507	0.745132	0.807358	1.626259	2.189647	0.695731	0	0	2.009959
2299	CNDP2	2450.006	-0.79046	0.106577	-7.41679	1.20E-13	1.39E-12	3286.67	2966.972	3069.567	1671.863	1741.236	1963.73
3491	RPLP2	8854.894	-0.79076	0.134821	-5.86525	4.48E-09	3.42E-08	12663.14	8889.42	12118.25	6727.631	5923.197	6807.731
2717	ZNF22	1539.597	-0.79082	0.116007	-6.81702	9.30E-12	9.09E-11	1862.067	2148.044	1842.992	1062.492	1206.458	1115.527
1399	CCT6A	23035.5	-0.79104	0.083009	-9.52955	1.58E-21	3.00E-20	30298.29	28202.11	29098.27	16613.72	16297.88	17702.71
10815	LOC103225	81.72215	-0.79104	0.296636	-2.6667	0.00766	0.018829	99.74389	104.5557	105.0554	60.26743	68.45154	52.25893
20950	LOC119627	10.12291	-0.79106	0.893888	-0.88496	0.376177	0.477359	9.215468	21.89647				



19197	LOC103231	15.688	-0.79178	0.685957	-1.15427	0.24839	0.343983	21.68345	13.13788	25.74206	8.928508	8.556443	16.07967
2359	SNRNP200	19138.45	-0.79182	0.108056	-7.32786	2.34E-13	2.64E-12	23586.18	26296.02	22916	13488.74	12755.52	15788.23
10400	LOC103221	141.2319	-0.79183	0.286227	-2.76643	0.005667	0.014487	222.2554	120.4306	194.1091	113.8385	96.25998	100.4979
5008	TMEM18	580.4879	-0.79184	0.16905	-4.68409	2.81E-06	1.49E-05	766.5101	584.0884	857.141	421.872	434.2395	419.0764
5563	LOC119615	325.2328	-0.79225	0.180528	-4.38852	1.14E-05	5.45E-05	424.4536	382.6409	425.7876	232.1412	282.3626	204.0108
4344	LOC119624	399.2231	-0.79255	0.154698	-5.12319	3.00E-07	1.84E-06	513.3558	489.9336	514.8412	323.6584	263.1106	290.4391
2455	GTPBP4	4571.431	-0.79265	0.110229	-7.19096	6.43E-13	6.97E-12	5638.24	6551.425	5203.375	3263.37	3272.839	3499.339
20116	LOC119621	17.70915	-0.79339	0.785684	-1.00981	0.312588	0.413112	13.55216	39.96106	13.91463	2.232127	23.53022	13.06473
1997	ECT2	6256.138	-0.79364	0.099172	-8.00257	1.22E-15	1.62E-14	7552.347	8785.412	7467.981	4424.076	4658.983	4648.03
4757	STIM2	754.7232	-0.79388	0.164046	-4.83935	1.30E-06	7.28E-06	835.8972	1178.03	860.6197	540.1747	517.6648	595.9528
4244	ZNF195	424.9254	-0.79418	0.152992	-5.191	2.09E-07	1.31E-06	544.2547	571.4979	502.318	283.4801	329.423	318.5785
4936	CENPE	5559.712	-0.79418	0.168132	-4.72355	2.32E-06	1.25E-05	5907.657	9541.935	5707.084	4015.596	4152.014	4033.988
4978	HIKESHI	1947.489	-0.7942	0.168988	-4.69978	2.60E-06	1.39E-05	2843.243	1747.886	2821.886	1417.401	1371.17	1483.35
3636	GLI3	2515.151	-0.79424	0.139182	-5.70647	1.15E-08	8.43E-08	2791.203	3898.12	2885.198	1774.541	1786.157	1955.69
20157	LOC103221	10.58258	-0.79446	0.792893	-1.00197	0.316357	0.417234	15.7205	10.94824	13.2189	11.16063	6.417332	6.029877
1641	KCTD20	8388.799	-0.79523	0.089601	-8.87528	6.98E-19	1.13E-17	10433.54	11336.35	10167.42	6040.136	5944.589	6410.764
3191	TLCD3A	1253.815	-0.79554	0.128905	-6.17152	6.76E-10	5.63E-09	1609.997	1641.688	1530.609	872.7616	808.5838	1059.248
3640	WDR25	547.2292	-0.79557	0.139496	-5.7032	1.18E-08	8.59E-08	709.5911	707.8035	669.9893	363.8367	400.0137	432.1412
3541	RAD1	724.4912	-0.79594	0.136935	-5.81255	6.15E-09	4.62E-08	1003.402	815.0962	940.6288	506.6928	545.4732	535.6541
19402	LOC103211	14.48113	-0.79595	0.712402	-1.11727	0.263879	0.361572	19.51511	11.49565	23.65487	15.62489	8.556443	8.039836
6583	ANKAR	217.9786	-0.79595	0.203648	-3.90843	9.29E-05	0.000375	299.2317	269.3266	258.8121	149.5525	188.2417	142.7071
6106	LOC103231	238.6503	-0.79646	0.193407	-4.11805	3.82E-05	0.000166	294.895	281.3697	332.5596	194.195	154.016	174.8664
3576	ZSWIM6	843.8156	-0.79653	0.137878	-5.77707	7.60E-09	5.65E-08	969.2504	1230.034	1012.289	618.2992	631.0376	601.9827
4783	GAR1	776.5375	-0.79671	0.165206	-4.82249	1.42E-06	7.88E-06	847.8231	1209.233	903.7551	531.2462	539.0559	628.1122
1746	HEATR1	6102.343	-0.79675	0.092621	-8.6023	7.81E-18	1.19E-16	7636.913	8166.289	7440.847	4446.397	4201.213	4722.399
13173	SOX15	53.99563	-0.79685	0.366302	-2.1754	0.0296	0.059738	58.00324	72.25836	74.44326	40.17829	44.92132	34.1693
18682	LOC103211	15.91189	-0.7969	0.647214	-1.23127	0.218222	0.310522	17.34676	22.9913	20.17621	8.928508	14.97377	11.05477
6729	LOC119624	201.5213	-0.797	0.207261	-3.84537	0.00012	0.000476	230.3867	255.0939	279.684	154.0168	158.2942	131.6523
7447	SHROOM1	188.5426	-0.79704	0.222411	-3.58362	0.000339	0.00121	249.3597	206.9217	265.0737	122.767	128.3466	158.7868
2301	PCSK5	5038.742	-0.79758	0.107619	-7.41112	1.25E-13	1.45E-12	6139.67	7111.974	5946.416	3560.243	3497.446	3976.704
18627	LOC103211	18.69859	-0.79778	0.646259	-1.23445	0.217034	0.309867	31.9831	15.87494	22.95914	8.928508	21.39111	11.05477
22359	LOC103231	4.369467	-0.79779	1.198611	-0.66559	0.50567	0.601245	6.505036	3.831883	6.261582	4.464254	2.139111	3.014938
14087	LOC103221	48.97242	-0.79841	0.399808	-1.99699	0.045826	0.086483	60.71367	69.5213	58.44144	31.24978	25.66933	48.23901
14180	LOC119621	47.78212	-0.79846	0.403253	-1.98005	0.047698	0.089425	61.79785	71.71095	50.09266	26.78552	32.08666	44.2191
5838	LOC103231	245.0412	-0.79862	0.187723	-4.25425	2.10E-05	9.55E-05	319.2889	280.2748	335.3425	171.8738	177.5462	185.9212
2389	CENPN	2055.953	-0.79873	0.109582	-7.28882	3.13E-13	3.48E-12	2706.637	2398.759	2724.484	1439.722	1630.002	1436.116
8135	FUT9	165.5932	-0.79876	0.237081	-3.36915	0.000754	0.002464	188.104	256.1887	185.7603	124.9991	121.9293	116.5776
2011	SLC36A4	5600.18	-0.79877	0.100399	-7.95597	1.78E-15	2.35E-14	6679.588	7917.217	6737.463	4133.899	4104.953	4027.958
20396	C5AR2	10.53703	-0.79929	0.830778	-0.9621	0.336	0.437956	10.29964	10.40082	18.78475	11.16063	8.556443	4.019918
17692	LOC103221	21.568	-0.79937	0.576672	-1.38619	0.16569	0.248975	28.18849	20.80165	34.09084	13.39276	12.83466	20.09959
1518	PHB2	6393.812	-0.79968	0.087133	-9.17763	4.41E-20	7.72E-19	8017.999	8276.319	8079.528	4544.611	4487.854	4956.559
17738	LOC103211	21.08636	-0.79974	0.580336	-1.37807	0.168183	0.252066	26.56223	25.72836	29.22072	8.928508	14.97377	21.10457
10250	LOC103221	92.29671	-0.79994	0.285517	-2.80173	0.005083	0.013183	125.222	119.3358	107.1426	78.12444	55.61688	68.3386
3365	C2CD3	1778.978	-0.79997	0.13393	-5.97306	2.33E-09	1.84E-08	2013.309	2687.792	2080.933	1232.134	1306.997	1352.702
4260	NEK1	1961.349	-0.79999	0.154369	-5.18231	2.19E-07	1.37E-06	2169.972	3173.346	2132.417	1406.24	1411.813	1474.305
3068	ENOX2	807.2784	-0.80003	0.126743	-6.31223	2.75E-10	2.38E-09	1019.122	1045.557	1018.551	537.9426	573.2817	649.2167
12957	LOC103231	96.32264	-0.80003	0.361673	-2.21203	0.026964	0.055326	169.673	75.54283	123.8402	66.96381	53.47777	88.43819
23281	LDB2	2.933443	-0.80013	1.548489	-0.51672	0.605353	0.691264	1.626259	6.02153	3.478657	4.464254	0	2.009959
18092	LOC103231	18.86984	-0.80015	0.604836	-1.32291	0.185864	0.273115	18.97302	22.9913	29.91645	11.16063	17.11289	13.06473
7474	LOC103241	158.1397	-0.80024	0.224093	-3.57103	0.000356	0.001265	178.3464	205.2794	219.1554	113.8385	117.6511	114.5677
1950	SRP68	3810.434	-0.80072	0.098884	-8.09758	5.61E-16	7.64E-15	4876.609	4891.125	4767.151	2573.642	2705.975	3048.103
2399	BAG1	1301.401	-0.80073	0.110088	-7.2735	3.50E-13	3.88E-12	1725.461	1592.421	1646.1	973.2074	881.3136	989.9048
2049	LOC103221	1715.97	-0.80073	0.10155	-7.88512	3.14E-15	4.08E-14	2255.621	2140.928	2149.81	1205.349	1223.571	1320.543
12463	LOC103211	69.20367	-0.80152	0.347306	-2.30782	0.021009	0.044815	87.27591	85.94365	88.35788	46.87467	70.59065	36.17926
15337	LOC119621	35.78498	-0.80221	0.452518	-1.77276	0.076268	0.132211	40.11439	53.09895	44.52681	24.5534	19.252	33.16432
3010	RBPJ	2161.171	-0.80256	0.125313	-6.40443	1.51E-10	1.33E-09	2553.227	3195.79	2494.893	1607.131	1473.847	1642.136
2393	MTIF2	2759.318	-0.80263	0.110244	-7.28052	3.33E-13	3.69E-12	3390.75	3924.395	3210.105	1924.093	2034.294	2072.268
3476	L3MBTL2	2545.554	-0.80328	0.136569	-5.88187	4.06E-09	3.10E-08	3609.211	2709.688	3397.952	1779.005	1677.063	2100.407
3028	NEDD1	3152.14	-0.80347	0.126192	-6.36706	1.93E-10	1.69E-09	3634.689	4771.789	3618.499	2247.752	2282.431	2357.682
14671	LOC119621	43.91618	-0.80378	0.42446	-1.89365	0.058271	0.105585	46.07734	66.23683	53.57132	42.41041	32.08666	23.11453
1578	DDX18	5873.344	-0.80404	0.088953	-9.03888	1.58E-19	2.67E-18	7745.872	7216.53	7449.892	4314.701	4042.919	4470.149
11548	LOC103231	76.34267	-0.80482	0.321351	-2.50449	0.012263	0.02823	109.5014	82.11177	98.09812	55.80317	66.31243	46.22906
4676	FTCDNL1	320.4344	-0.80494	0.164239	-4.90103	9.53E-07	5.42E-06	423.3695	415.4856	384.0437	241.0697	222.4675	236.1702
13419	NKX2-6	54.3902	-0.80604	0.37967	-2.123	0.033754	0.066872	73.18166	66.78424	65.39875	44.64254	49.19955	27.13445
11237	WDR38	269.7318	-0.80613	0.313297	-2.57307	0.01008	0.023848	240.1443	521.136	264.3779	254.4625	209.6328	128.6374
2470	MARS1	10157.21	-0.8062	0.112518	-7.16514	7.77E-13	8.36E-12	13810.73	12032.11	12937.82	7383.876	6466.532	8312.185
3125	DDX21	13766.62	-0.80637	0.129082	-6.24691	4.19E-10	3.56E-09	15795.31	21432.27	15324.18	9897.251	9818.518	10332.19
3688	PRKAR2B	824.4385	-0.80644	0.142703	-5.65116	1.59E-08	1.15E-07	975.2134	1221.823	951.7605	573.6566	601.0901	623.0873
5190	TRNAC-GC	415.9787	-0.80651	0.175956	-4.5836	4.57E-06	2.34E-05	435.8374	601.0582	549.6278	294.6408	327.2839	287.4241
3169	FDP5	9071.79	-0.80665	0.130211	-6.19496	5.83E-10	4.89E-09	13322.31	9505.259	11810.04	6430.758	6111.439	7250.927
10618	IKZF2	102.7793	-0.80697	0.297174	-2								



2024 AKAP1	3418.725	-0.80768	0.101905	-7.92577	2.27E-15	2.98E-14	4299.829	4704.457	4055.418	2444.179	2374.413	2634.051
22875 LOC119621	3.308827	-0.80782	1.387095	-0.58238	0.560309	0.651097	4.878777	3.284471	4.174388	2.232127	4.278221	1.004979
19394 LOC119621	13.15143	-0.80797	0.722447	-1.11838	0.263403	0.361069	14.09425	21.34906	14.61036	13.39276	6.417332	9.044815
3380 ZNF581	1397.513	-0.80799	0.135599	-5.95861	2.54E-09	2.00E-08	1939.043	1507.572	1893.085	1066.957	909.122	1069.298
4035 LOC103244	528.1495	-0.80817	0.151187	-5.34552	9.02E-08	5.94E-07	671.1029	593.3944	751.3899	392.8543	389.3181	370.8374
1458 KLHL5	5960.788	-0.80832	0.086472	-9.34775	8.95E-21	1.63E-19	7756.714	7544.977	7470.763	4214.256	4203.352	4574.667
20930 ACKR1	7.707453	-0.80889	0.912435	-0.88652	0.375336	0.47673	8.673382	9.306001	11.1317	6.696381	6.417332	4.019918
3560 MRPL23	2279.181	-0.80893	0.139542	-5.79699	6.75E-09	5.04E-08	3134.343	2300.224	3273.416	1667.399	1587.22	1712.485
2154 ZNF827	2607.613	-0.809	0.105419	-7.67412	1.67E-14	2.05E-13	3114.828	3673.681	3171.839	1861.594	1927.339	1896.396
4554 CUNH11or	1708.712	-0.80917	0.162816	-4.96985	6.70E-07	3.91E-06	2529.917	1666.322	2336.266	1220.973	1088.807	1409.986
7608 LOC119621	178.3891	-0.80922	0.229689	-3.5231	0.000427	0.00149	249.3597	205.8268	227.5042	149.5525	98.39909	139.6921
2850 CLDN15	711.6545	-0.80941	0.122427	-6.61132	3.81E-11	3.55E-10	929.6781	903.7769	884.9703	531.2462	502.691	517.5644
1988 RPL24	23300.84	-0.80966	0.100929	-8.02203	1.04E-15	1.39E-14	30691.85	26267.01	32055.13	17303.45	17405.94	16081.68
1364 PPP1R14B	7839.55	-0.8098	0.083729	-9.67177	3.97E-22	7.75E-21	10060.04	9744.478	10152.11	5738.798	5437.619	5904.254
2009 LOC103221	2140.803	-0.80998	0.101763	-7.95946	1.73E-15	2.29E-14	2612.856	2878.291	2693.872	1531.239	1482.404	1646.156
18206 TRNAM-C4	18.13239	-0.81072	0.623386	-1.30052	0.193424	0.282443	26.02015	15.87494	27.82925	11.16063	12.83466	15.07469
2785 RPS27	26940.59	-0.81076	0.120597	-6.72291	1.78E-11	1.70E-10	37721.08	27909.79	37321.12	20051.2	19290.5	19349.87
3585 LOC103211	1797.423	-0.81081	0.140643	-5.76502	8.16E-09	6.05E-08	1998.672	2793.442	2076.062	1296.866	1324.11	1295.419
9523 LOC119621	109.9543	-0.81085	0.272267	-2.97813	0.0029	0.008096	164.2522	133.5685	123.8402	75.89232	72.72976	89.44317
2605 MTRR	3883.623	-0.81098	0.116269	-6.97503	3.06E-12	3.12E-11	4578.461	5748.371	4515.992	2776.766	2812.931	2869.216
10632 LOC103221	95.05127	-0.81135	0.299338	-2.71049	0.006718	0.016799	134.4374	104.0082	125.9274	80.35657	49.19955	76.37844
3630 ZNF778	1070.852	-0.81188	0.142164	-5.71084	1.12E-08	8.23E-08	1317.27	1591.326	1188.309	720.977	770.0798	837.1479
4278 CBX2	669.229	-0.81195	0.157062	-5.16961	2.35E-07	1.46E-06	942.1461	723.6784	897.4935	470.9788	436.3786	544.6989
2513 PAK1IP1	1417.375	-0.81196	0.114287	-7.10458	1.21E-12	1.28E-11	1730.34	1919.226	1761.592	1062.492	1090.946	939.6558
2425 CMSS1	963.2761	-0.81234	0.11229	-7.23425	4.68E-13	5.13E-12	1192.59	1242.625	1247.446	680.7987	718.7412	697.4558
6568 YRDC	558.3185	-0.81255	0.207684	-3.91245	9.14E-05	0.00037	841.318	534.8213	764.6088	332.5869	370.0661	506.5097
12673 LOC119611	58.8793	-0.81308	0.358827	-2.26593	0.023455	0.049204	71.01331	88.1333	66.09448	33.4819	51.33866	43.21412
14622 LOC103231	37.43269	-0.81309	0.427147	-1.90354	0.05697	0.103582	52.58238	42.15071	48.00546	26.78552	29.94755	25.12449
2621 ZDHHC4	1753.316	-0.81325	0.117043	-6.94833	3.70E-12	3.75E-11	2388.433	2162.824	2160.246	1279.009	1129.45	1399.936
2528 EDA2R	2395.04	-0.81337	0.114796	-7.08535	1.39E-12	1.46E-11	2967.923	3335.38	2862.935	1689.72	1595.777	1918.506
2145 MYBBP1A	4080.117	-0.81367	0.105772	-7.69267	1.44E-14	1.79E-13	5469.651	4768.504	5373.829	2874.98	2763.731	3230.004
2161 LBR	2760.017	-0.81367	0.106131	-7.6667	1.76E-14	2.17E-13	3460.679	3869.654	3227.498	1937.486	1991.512	2073.273
2816 CPOX	2289.6	-0.81374	0.122027	-6.66852	2.58E-11	2.44E-10	3141.933	2691.076	2933.203	1517.846	1555.133	1898.406
10500 LOC103231	194.8571	-0.81426	0.296675	-2.74462	0.006058	0.015338	192.4407	373.3349	178.803	129.4634	160.4333	134.6672
16318 LOC119621	25.48044	-0.81427	0.508216	-1.60221	0.109109	0.177758	33.06727	30.65506	34.09084	17.85702	17.11289	20.09959
5600 THAP2	239.6982	-0.81436	0.186175	-4.37417	1.22E-05	5.79E-05	300.3158	321.8781	297.0773	167.4095	162.5724	188.9361
2343 TUBGCP3	3909.233	-0.81472	0.110831	-7.35094	1.97E-13	2.23E-12	4733.498	5503.678	4724.712	2732.123	2643.941	3117.446
3408 TRNT1	1014.241	-0.81476	0.137221	-5.93755	2.89E-09	2.26E-08	1259.267	1492.245	1129.172	738.834	710.1847	755.7446
2410 NCAMT1	948.4885	-0.81479	0.112173	-7.26363	3.77E-13	4.16E-12	1240.294	1184.052	1205.007	676.3345	688.7936	696.4508
10917 C6DC169	74.66868	-0.81544	0.308009	-2.64745	0.00811	0.01975	101.3702	85.39624	98.79385	53.57105	55.61688	53.26391
8467 LOC119621	312.9901	-0.81573	0.249995	-3.26299	0.001102	0.003461	484.6252	262.2103	454.3126	212.0521	190.3808	274.3594
17310 FYB2	22.90443	-0.81585	0.56397	-1.44662	0.148003	0.227306	26.02015	39.41365	22.2634	13.39276	19.252	17.08465
2735 CDC27	9097.936	-0.81609	0.119992	-6.8012	1.04E-11	1.01E-10	10698.62	13775.07	10342.05	6395.044	6584.183	6792.656
2108 CLCN5	2783.271	-0.81617	0.104824	-7.78615	6.91E-15	8.71E-14	3558.797	3652.879	3447.349	2011.146	1822.522	2206.935
20987 LOC103244	7.727191	-0.81661	0.926854	-0.88106	0.378286	0.479189	7.047123	13.13788	9.044508	6.696381	6.417332	4.019918
3031 PHKA2	1544.285	-0.81662	0.128291	-6.36536	1.95E-10	1.71E-09	2028.487	1943.859	1945.265	1158.474	928.374	1261.249
9045 LOC103231	117.2309	-0.81662	0.26344	-3.09985	0.001936	0.005691	157.205	162.5813	130.7975	82.5887	72.72976	97.48301
2054 MLLT1	1755.216	-0.81676	0.103676	-7.87798	3.33E-15	4.31E-14	2183.524	2278.875	2257.648	1334.812	1167.954	1308.483
4223 PEX12	378.6876	-0.81678	0.157023	-5.20165	1.98E-07	1.24E-06	461.3155	512.9249	476.576	283.4801	252.4151	285.4142
15292 LOC103244	40.57526	-0.81729	0.459017	-1.78052	0.074992	0.103072	42.82482	65.68942	45.91827	44.64254	19.252	25.12449
1903 LOC103244	12236.47	-0.81741	0.099764	-8.19345	2.54E-16	3.55E-15	15258.65	16549.9	15041.02	8676.278	8128.621	9764.381
3094 ZNF146	5666.68	-0.81747	0.130018	-6.28736	3.23E-10	2.77E-09	6670.915	8755.852	6267.148	4011.132	3993.72	4301.312
1394 WDR36	4250.663	-0.81753	0.0857	-9.53942	1.44E-21	2.74E-20	5404.601	5613.161	5254.163	3073.639	3061.067	3097.347
26996 LOC119621	0.271043	-0.81755	4.002093	-0.20428	0.838134	NA	1.626259	0	0	0	0	0
27308 LOC103211	0.271043	-0.81755	4.002093	-0.20428	0.838134	NA	1.626259	0	0	0	0	0
27446 LOC119621	0.271043	-0.81755	4.002093	-0.20428	0.838134	NA	1.626259	0	0	0	0	0
28890 LOC119621	0.271043	-0.81755	4.002093	-0.20428	0.838134	NA	1.626259	0	0	0	0	0
28909 LOC119621	0.271043	-0.81755	4.002093	-0.20428	0.838134	NA	1.626259	0	0	0	0	0
23084 LOC103231	3.01715	-0.81791	1.490115	-0.54889	0.583083	0.671515	4.336691	2.737059	4.87012	0	2.139111	4.019918
2706 LOC103221	4982.663	-0.81802	0.11981	-6.82766	8.63E-12	8.48E-11	6806.436	5274.86	6994.883	3631.671	3587.289	3600.841
8630 NR1D1	141.4989	-0.8183	0.254146	-3.21982	0.001283	0.003951	149.6158	217.8699	174.6286	109.3742	91.98176	105.5228
13097 LOC103244	53.65965	-0.81845	0.374048	-2.18809	0.028663	0.058182	58.00324	82.65918	64.70302	33.4819	44.92132	38.18922
16845 C1QTNF1	28.73026	-0.81862	0.539984	-1.516	0.129519	0.204409	30.35684	37.224	41.04815	35.71403	14.97377	13.06473
17240 LOC119621	23.44455	-0.81863	0.560462	-1.46063	0.144116	0.222235	32.52518	27.37059	29.22072	26.78552	10.69555	14.06971
5513 LOC103211	321.642	-0.81864	0.185797	-4.40611	1.05E-05	5.08E-05	410.3594	347.6065	471.7059	245.534	239.5804	215.0656
2243 POLR1E	2632.863	-0.81906	0.108833	-7.52589	5.24E-14	6.21E-13	3467.727	3405.449	3219.149	1816.951	1758.349	2129.551
18177 LOC103244	20.87492	-0.81907	0.626972	-1.30638	0.191422	0.279967	15.7205	38.86624	25.04633	11.16063	21.39111	13.06473
4040 PAX6	5545.959	-0.81916	0.153353	-5.34165	9.21E-08	6.06E-07	5978.128	9211.846	6047.993	4033.453	3989.441	4014.893
4867 SLC25A27	333.6448	-0.81919	0.172051	-4.7613	1.92E-06	1.05E-05	434.7533	457.0889	387.5224	254.4625	211.772	256.2698
17319 TESMIN	22.37816	-0.81924	0.566786	-1.44541	0.148342	0.227707	23.8518	26.27577	34.78657	22.32127	14.97377	12.05975
5874 LY6G5B	286.0864	-0.81941	0.193783	-4.22852	2.35E-05	0.000106	352.3561	411.6537	336.0383	176.338	198.9373	241.1951
1987 TIMM44	2399.561	-0.81954	0.102156	-8.02244	1.04E-15	1.39E-14	3167.411	3059.485	2971.469	1674.095	1638.559	1886.346
12357 LOC119621	111.931	-0.81969	0.351694	-2.3307	0.019769	0.042532	171.8414	93.60742	161.4097	62.49956	121.929	



6160	LOC103221	238.1392	-0.82007	0.200356	-4.09304	4.26E-05	0.000184	321.9993	292.3179	299.8602	191.9629	134.764	187.9312
3197	ATF1	2008.637	-0.82022	0.133085	-6.16315	7.13E-10	5.93E-09	2301.699	3028.83	2358.529	1520.078	1508.073	1334.613
21893	LOC119624	7.16532	-0.82043	1.101189	-0.74504	0.456245	0.554019	7.047123	13.13788	6.957314	0	12.83466	3.014938
2358	LOC103236	1205.117	-0.82055	0.111975	-7.32796	2.34E-13	2.63E-12	1484.232	1627.455	1502.084	852.6725	924.0958	840.1628
7761	KCTD12	155.7951	-0.82076	0.23618	-3.47516	0.000511	0.001749	177.2622	235.3871	185.0645	109.3742	109.0946	118.5876
21902	TRNAV-UA	5.344895	-0.8211	1.103962	-0.74377	0.457014	0.554706	8.131296	3.831883	8.348776	4.464254	4.278221	3.014938
2174	LOC119618	15103.75	-0.82111	0.107233	-7.65725	1.90E-14	2.32E-13	157918.94	45670.02	37120.05	22638.23	21371.85	24303.42
17182	LOC119618	24.09596	-0.82116	0.558531	-1.47021	0.141506	0.218946	31.44101	20.25424	41.04815	15.62489	17.11289	19.09461
12693	RAB3B	64.18414	-0.8218	0.363323	-2.2619	0.023704	0.049647	72.09749	94.15483	77.22618	60.26743	49.19955	32.15934
27660	TRNAA-AG	0.271931	-0.8218	4.001816	-0.20536	0.837293	NA	1.084173	0.547412	0	0	0	0
28224	LOC119618	0.271931	-0.8218	4.001816	-0.20536	0.837293	NA	1.084173	0.547412	0	0	0	0
28661	LOC119620	0.271931	-0.8218	4.001816	-0.20536	0.837293	NA	1.084173	0.547412	0	0	0	0
28988	TRNAL-AA	0.271931	-0.8218	4.001816	-0.20536	0.837293	NA	1.084173	0.547412	0	0	0	0
5416	LOC103221	360.4124	-0.82185	0.184565	-4.45289	8.47E-06	4.16E-05	426.0799	411.6537	541.9747	299.105	237.4413	246.22
2641	ZC3H10	34973.92	-0.822	0.118869	-6.91514	4.67E-12	4.71E-11	48193.65	36537	49299.52	25553.39	24717.42	25542.56
19412	LOC103241	15.14577	-0.82207	0.736226	-1.1166	0.264164	0.361777	9.757555	32.2973	16.00182	8.928508	12.83466	11.05477
21941	TRNAA-UG	5.914262	-0.8221	1.115045	-0.73728	0.460954	0.558491	9.215468	5.474118	8.348776	0	6.417332	6.029877
2044	GFPT1	12774.91	-0.82231	0.104221	-7.89011	3.02E-15	3.93E-14	15723.76	18283.55	14958.92	8886.098	8971.43	9825.684
10296	LOC119621	119.4653	-0.82246	0.294835	-2.78956	0.005278	0.013628	181.0568	107.8401	169.7585	71.42806	96.25998	90.44815
2348	UBAC2	1076.939	-0.8229	0.112073	-7.34261	2.09E-13	2.37E-12	1412.677	1410.68	1307.279	765.6196	759.3843	805.9935
2852	NOC4L	1498.265	-0.82352	0.124627	-6.60788	3.90E-11	3.63E-10	1926.033	1845.873	1980.747	1080.349	930.5131	1226.075
16424	LOC119621	25.0695	-0.82382	0.519548	-1.58565	0.112818	0.182616	29.81475	37.224	29.22072	20.08914	14.97377	19.09461
5448	LOC103231	272.3595	-0.82407	0.185547	-4.44132	8.94E-06	4.36E-05	303.0263	366.2185	375.6949	203.1236	186.1026	199.9909
8519	LOC119621	140.7506	-0.82422	0.253439	-3.25213	0.001145	0.003575	183.7673	190.4993	162.1054	129.4634	96.25998	82.40832
7072	LOC103220	184.0761	-0.82424	0.222532	-3.70391	0.000212	0.000798	207.077	253.9991	242.1145	158.481	126.2075	116.5776
2033	GRPEL2	2375.851	-0.82434	0.104273	-7.90558	2.67E-15	3.49E-14	2888.778	3308.557	2916.506	1700.881	1653.533	1786.853
5075	KLF5	2370.923	-0.82445	0.177467	-4.64567	3.39E-06	1.78E-05	2435.594	4132.959	2523.418	1723.202	1655.672	1754.694
3119	SLC6A17	599.1706	-0.82454	0.131783	-6.25682	3.93E-10	3.35E-09	725.3116	788.8204	784.785	417.4077	438.5177	440.181
4159	TRNRC6C	1150.446	-0.82487	0.157087	-5.25104	1.51E-07	9.67E-07	1334.617	1814.123	1259.97	912.9399	802.1665	778.8591
1691	DES12	3273.765	-0.82499	0.094288	-8.74972	2.14E-18	3.36E-17	4272.725	4305.394	3982.366	2348.198	2254.623	2479.284
9737	ZNF783	133.3883	-0.82512	0.282602	-2.91973	0.003503	0.009565	206.5349	129.7366	172.5414	104.91	111.2338	75.37346
4377	TLE2	320.3832	-0.82531	0.162004	-5.09438	3.50E-07	2.13E-06	401.1439	412.7485	413.2644	236.6055	237.4413	221.0955
2991	URB2	1610.646	-0.82536	0.128177	-6.43925	1.20E-10	1.07E-09	2279.473	1867.222	2037.797	1151.778	1033.19	1294.414
2471	QTRT2	1335.639	-0.82551	0.115233	-7.16381	7.85E-13	8.44E-12	1639.269	1826.166	1662.102	979.9037	881.3136	1025.079
10091	LOC103221	465.2683	-0.82564	0.29066	-2.84058	0.004503	0.011864	368.6187	949.7595	463.3571	383.9258	363.6488	262.2996
27025	LOC119624	0.272818	-0.82605	4.00154	-0.20643	0.836453	NA	0.542086	1.094824	0	0	0	0
27428	LOC119625	0.272818	-0.82605	4.00154	-0.20643	0.836453	NA	0.542086	1.094824	0	0	0	0
28026	LOC119618	0.272818	-0.82605	4.00154	-0.20643	0.836453	NA	0.542086	1.094824	0	0	0	0
2269	ANAPC16	1669.664	-0.82673	0.110679	-7.4696	8.04E-14	9.42E-13	2205.749	1932.364	2268.78	1232.134	1167.954	1211
2291	L2HGDH	1523.233	-0.82682	0.111202	-7.4353	1.04E-13	1.21E-12	2070.77	1778.541	1998.14	1080.349	1075.973	1135.627
17532	LOC119628	22.0221	-0.82682	0.585812	-1.41141	0.158122	0.239772	40.11439	19.15941	25.04633	15.62489	17.11289	15.07469
20889	HPDL	8.614945	-0.82706	0.927686	-0.89153	0.372646	0.474258	9.215468	9.853413	13.2189	6.696381	10.69555	2.009959
2520	RGS19	831.1276	-0.82714	0.116533	-7.09788	1.27E-12	1.34E-11	1065.2	1086.065	1038.031	609.3707	586.1163	601.9827
4442	CPNE7	362.3752	-0.8273	0.163877	-5.04829	4.46E-07	2.67E-06	492.2144	423.6967	474.4888	241.0697	284.5017	258.2797
2400	EIF4A3	5917.79	-0.82769	0.113844	-7.27044	3.58E-13	3.97E-12	8261.396	6585.364	7870.113	4252.202	3950.937	4586.726
12834	LOC103218	54.95766	-0.82795	0.370777	-2.23302	0.025547	0.05292	73.18166	66.23683	69.57314	42.41041	49.19955	29.1444
19806	LOC103220	12.66038	-0.828	0.787013	-1.05208	0.292762	0.392965	26.56223	9.306001	12.52316	6.696381	12.83466	8.039836
4014	LOC103218	361.9636	-0.82832	0.15455	-5.35954	8.34E-08	5.53E-07	473.7835	464.2052	452.2254	249.9982	265.2497	266.3196
1609	MRPL10	4936.244	-0.82838	0.092512	-8.95424	3.42E-19	5.65E-18	6295.249	6568.394	6089.737	3575.867	3330.595	3757.618
3768	TRNPHOSP	2169.296	-0.82854	0.148556	-5.57726	2.44E-08	1.72E-07	2348.86	3396.69	2578.38	1477.668	1751.932	1462.245
19546	TRNAN-GL	13.12715	-0.82855	0.759308	-1.0912	0.275187	0.374289	18.43094	16.42235	14.61036	17.85702	6.417332	5.024897
4738	CCL25	312.0196	-0.82855	0.170573	-4.85747	1.19E-06	6.67E-06	417.4065	360.7444	419.526	232.1412	218.1893	224.1104
16851	LOC119624	46.32004	-0.8288	0.54698	-1.51523	0.129714	0.204642	78.60252	19.70683	80.70484	29.01765	25.66933	44.2191
24183	TRNAV-CA	1.548417	-0.82905	2.200226	-0.3768	0.706321	0.776477	4.336691	0.547412	1.391463	0	0	3.014938
11858	LOC119618	80.57591	-0.82906	0.340559	-2.4344	0.014917	0.033443	120.3432	75.54283	115.4914	55.80317	44.92132	71.35354
10994	DERL3	74.02969	-0.82907	0.315195	-2.63033	0.00853	0.020627	106.791	85.39624	91.14081	60.26743	51.33866	49.24399
2844	TXLNG	4193.231	-0.82914	0.125237	-6.62054	3.58E-11	3.35E-10	4847.878	6418.951	4831.854	3015.604	2981.92	3063.177
24791	TRNAI-UAI	0.924212	-0.82922	2.930744	-0.28294	0.777225	0.833498	2.710432	0	0.695731	0	2.139111	0
11357	LOC103211	68.95937	-0.82926	0.325664	-2.54636	0.010885	0.02548	94.32303	79.92212	89.74935	44.64254	59.8951	45.22408
3000	KHDRBS1	4067.942	-0.82927	0.129211	-6.41799	1.38E-10	1.22E-09	4704.226	6178.09	4740.714	2863.819	2720.949	3199.855
14217	LOC103231	44.38623	-0.82934	0.420128	-1.97403	0.048379	0.090471	46.07734	65.14201	59.13717	42.41041	21.39111	32.15934
17648	FAM153B	19.99888	-0.82937	0.593851	-1.3966	0.162533	0.24484	29.81475	19.15941	27.13352	17.85702	14.97377	11.05477
1924	TBCD	5142.165	-0.82941	0.101828	-8.14514	3.79E-16	5.23E-15	6766.864	6299.615	6687.37	3531.225	3452.525	4115.391
2511	RAD17	1962.542	-0.82968	0.116609	-7.11502	1.12E-12	1.18E-11	2302.241	2849.278	2382.184	1439.722	1413.952	1387.877
16732	NDUFA4L2	27.78658	-0.82993	0.54005	-1.53676	0.124352	0.197568	42.28274	23.53871	39.65669	26.78552	21.39111	13.06473
2882	DSG2	2326.275	-0.83011	0.126305	-6.57233	4.95E-11	4.57E-10	2747.836	3478.802	2707.786	1555.793	1751.932	1715.5
2169	CSNK2A1	15640.85	-0.83021	0.108352	-7.66213	1.83E-14	2.24E-13	18300.84	23038.37	18726.31	11169.56	10952.25	11657.76
2836	CIT	3045.683	-0.83028	0.125145	-6.63456	3.25E-11	3.05E-10	3585.901	4473.449	3644.241	2066.95	2051.407	2452.15
26927	MSTO1	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
27101	LOC119624	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
27771	LOC119621	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
27842	TRNAG-GC	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
28160	LOC119618	0.273706	-0.83029	4.									



29053	LOC103243	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
29420	LOC119623	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
29553	LOC119623	0.273706	-0.83029	4.001265	-0.20751	0.835614	NA	0	1.642235	0	0	0	0
2122	NOTCH2	22418.79	-0.83036	0.107151	-7.74942	9.23E-15	1.16E-13	27817.16	31060.15	27228.14	15426.23	14791.95	18189.12
2452	BRCA2	3633.554	-0.83059	0.115424	-7.19602	6.20E-13	6.72E-12	4454.324	5324.675	4179.258	2526.768	2562.655	2753.644
4974	TOB1	1002.269	-0.83077	0.176704	-4.70145	2.58E-06	1.38E-05	1050.021	1679.459	1118.04	732.1376	746.5496	687.406
6422	APRT	1792.813	-0.83097	0.209227	-3.9716	7.14E-05	0.000296	2847.038	1399.185	2642.388	1294.634	1146.563	1427.071
3150	LOC119624	821.8024	-0.83138	0.13368	-6.21915	5.00E-10	4.22E-09	1129.708	997.9317	1022.725	654.0132	596.8119	529.6242
17884	LOC103233	22.92325	-0.83139	0.609684	-1.36364	0.172681	0.256695	40.65648	15.87494	30.61218	20.08914	19.252	11.05477
2770	TMEM222	1511.355	-0.83151	0.123326	-6.74236	1.56E-11	1.50E-10	2081.07	1768.688	1964.05	1020.082	1018.217	1216.025
3496	LOC103233	916.9399	-0.83165	0.141961	-5.85832	4.68E-09	3.56E-08	1252.22	1037.345	1239.793	582.5851	646.0114	743.6848
1992	RPS17	22089.04	-0.83173	0.103812	-8.01187	1.13E-15	1.51E-14	26542.17	30226.99	28076.94	16426.22	17162.08	14099.86
1980	CELSR1	5496.189	-0.83177	0.103561	-8.03167	9.62E-16	1.29E-14	7119.22	6815.824	7191.079	3792.384	3623.653	4434.974
2073	KAT2A	3299.135	-0.83186	0.106001	-7.84766	4.24E-15	5.44E-14	4440.772	3996.106	4247.44	2232.127	2250.344	2628.021
4203	CENPJ	2128.631	-0.83203	0.159511	-5.21614	1.83E-07	1.16E-06	2250.743	3513.836	2414.884	1453.115	1542.299	1596.912
23267	LOC119628	2.54201	-0.83262	1.602046	-0.51972	0.603258	0.689286	4.336691	2.189647	3.478657	2.232127	0	3.014938
1778	NOP53	4882.454	-0.83303	0.097804	-8.51732	1.63E-17	2.44E-16	5774.304	6580.985	6412.556	3535.689	3304.926	3686.265
22012	CCDC38	5.254903	-0.83339	1.151554	-0.72371	0.469246	0.566732	5.420864	6.568942	7.653045	4.464254	6.417332	1.004979
18154	PACRG	17.36517	-0.83341	0.635189	-1.31206	0.1895	0.277507	18.97302	19.15941	29.22072	8.928508	12.83466	15.07469
3185	LOC103221	789.8954	-0.83345	0.134848	-6.18069	6.38E-10	5.33E-09	1129.708	907.0614	997.6788	575.8888	573.2817	555.7536
2022	CCNB2	2262.432	-0.83346	0.105031	-7.93542	2.10E-15	2.76E-14	2881.189	3013.502	2805.885	1671.863	1469.569	1732.585
1887	SYMPK	3287.365	-0.8335	0.101325	-8.226	1.94E-16	2.73E-15	4330.728	4248.463	4062.375	2390.608	2143.389	2548.628
1995	TACO1	2009.786	-0.83352	0.104121	-8.00531	1.19E-15	1.59E-14	2721.274	2414.634	2593.687	1390.615	1413.952	1524.554
1056	UCHL1	36833.01	-0.83359	0.077852	-10.7073	9.41E-27	2.37E-25	46535.95	48051.26	46982.04	26191.78	25737.78	27499.25
22742	LOC119615	3.459466	-0.83361	1.384645	-0.60204	0.547151	0.63961	6.505036	5.474118	1.391463	2.232127	2.139111	3.014938
2244	CARS1	6716.842	-0.83379	0.110865	-7.52079	5.44E-14	6.45E-13	9249.62	8022.868	8554.713	4660.681	4370.203	5442.969
8478	LOC103221	184.0741	-0.83471	0.256014	-3.26042	0.001112	0.003488	255.3227	170.7925	281.0755	156.2489	113.3729	127.6324
3235	MED1	7460.221	-0.83481	0.136228	-6.12804	8.90E-10	7.31E-09	8405.591	11858.58	8418.35	5410.676	5114.614	5553.517
2930	LOC103221	1090.227	-0.83491	0.128229	-6.51104	7.46E-11	6.77E-10	1430.566	1435.861	1333.717	736.6019	710.1847	894.4317
1721	GNL3	5706.123	-0.83535	0.096383	-8.66699	4.44E-18	6.85E-17	7115.968	8016.299	6807.731	4100.417	4089.98	4106.346
2355	NCF2	1134.31	-0.8357	0.113943	-7.33433	2.23E-13	2.52E-12	1549.825	1422.723	1392.158	774.5481	821.4185	845.1877
8968	TMEM14C	308.1477	-0.83588	0.267339	-3.12666	0.001768	0.005241	493.2986	227.1759	465.4443	198.6593	233.1631	231.1453
17427	LOC119624	502.5072	-0.83591	0.587158	-1.42365	0.154547	0.235735	832.6447	226.6285	873.8386	350.4439	297.3364	434.1511
11314	LOC119628	71.42714	-0.83607	0.32725	-2.55483	0.102624	0.024963	102.4543	87.03848	83.48776	51.33892	62.03421	42.20914
12244	TRNAI-AAI	66.12663	-0.83638	0.354759	-2.35759	0.018394	0.039935	68.30288	110.5772	75.83472	46.87467	44.92132	50.24897
9998	LOC103221	88.8318	-0.83638	0.292246	-2.86192	0.004211	0.011197	114.3802	111.1246	118.2743	62.49956	51.33866	75.37346
2442	CENPI	1398.181	-0.83657	0.116156	-7.20209	5.93E-13	6.46E-12	1900.013	1684.386	1800.553	941.9576	964.7389	1097.438
3764	LOC103221	566.8231	-0.83682	0.149985	-5.57938	2.41E-08	1.70E-07	664.5979	827.6867	685.9911	428.5684	402.1528	391.942
6293	LOC119628	293.1941	-0.83688	0.207703	-4.0292	5.60E-05	0.002236	429.3324	307.6454	391.001	171.8738	250.2759	209.0357
4580	CDCA3	815.636	-0.83708	0.169006	-4.95299	7.31E-07	4.24E-06	1212.647	809.0747	1119.432	571.4245	539.0559	642.1819
4839	LOC103215	420.0306	-0.8371	0.174773	-4.78962	1.67E-06	9.18E-06	463.4838	630.071	523.8857	312.4978	271.6671	318.5785
22871	LOC103221	3.537505	-0.83746	1.436033	-0.58317	0.559777	0.650678	7.047123	4.926706	2.087194	0	2.139111	5.024897
3376	STX18	856.2924	-0.83746	0.140431	-5.9635	2.47E-09	1.94E-08	1016.412	1239.34	1040.814	651.7811	541.195	648.2118
2423	LOC103243	1636.667	-0.83757	0.115729	-7.27336	4.58E-13	5.02E-12	2231.227	2033.087	2039.884	1156.242	1063.138	1296.424
3082	CUNH18or	1459.17	-0.83762	0.132948	-6.30036	2.97E-10	2.56E-09	1720.582	2194.027	1696.889	1022.314	1110.198	1011.009
11990	LOC119621	61.5193	-0.83805	0.347968	-2.40841	0.016022	0.035525	87.81799	73.35318	74.44326	55.80317	38.50399	39.1942
10562	LOC103221	84.13096	-0.83827	0.307023	-2.73033	0.006327	0.015926	103.5385	128.0944	91.83654	53.57105	68.45154	59.29379
5900	CCS	305.841	-0.83833	0.199022	-4.21225	2.53E-05	0.000114	421.2011	367.8607	393.784	207.5878	173.268	271.3445
12899	LOC119615	55.65075	-0.83887	0.378009	-2.21919	0.026474	0.054561	88.36008	53.64636	71.66033	42.41041	40.6431	37.18424
12987	LOC103233	49.01845	-0.83896	0.380293	-2.20609	0.027378	0.056039	68.84497	62.40495	56.35424	35.71403	40.6431	30.14938
9420	LOC119621	107.1888	-0.83921	0.279466	-3.00291	0.002674	0.007547	112.754	161.4865	139.1463	69.19594	79.14709	81.40334
8771	LOC119621	186.7399	-0.83943	0.263849	-3.18147	0.001465	0.004441	287.8479	164.2235	265.0737	131.6955	154.016	117.5826
1201	RPL14	38192.97	-0.8395	0.082772	-10.1424	3.58E-24	7.93E-23	4926.86	46409.57	51365.15	27649.36	27960.32	26546.53
2656	HMGB2	5955.873	-0.83965	0.12196	-6.88461	5.79E-12	5.80E-11	6980.988	8998.903	6949.661	4196.399	4038.641	4570.647
3017	RPL31	21440.22	-0.83973	0.131424	-6.3895	1.66E-10	1.47E-09	30086.34	21493.58	30948.22	15473.1	15534.22	15105.85
8828	LOC119621	109.6689	-0.83978	0.265436	-3.16378	0.001557	0.00469	146.3633	131.3788	146.7993	71.42806	70.59065	91.45313
16012	LOC103224	28.09051	-0.83989	0.505171	-1.66259	0.096395	0.160046	32.52518	36.67659	38.26523	29.01765	14.97377	17.08465
2031	SAAL1	1388.637	-0.84012	0.106251	-7.90698	2.64E-15	3.45E-14	1727.087	1857.368	1756.722	1029.011	1013.938	947.6956
3155	RNASEH2A	1158.316	-0.84013	0.135247	-6.21179	5.24E-10	4.41E-09	1636.559	1334.043	1494.431	720.977	851.366	912.5214
18944	LOC119621	17.44903	-0.84017	0.70239	-1.19616	0.231633	0.325062	20.59928	18.06459	27.13352	15.62489	19.252	4.019918
2352	RPL17	40271.99	-0.84023	0.114515	-7.33732	2.18E-13	2.46E-12	51763.83	45174.07	58090.79	30254.25	30358.26	25990.78
5863	LOC103234	308.1463	-0.84034	0.198396	-4.23564	2.28E-05	0.000103	348.0194	483.3646	352.7358	225.4448	235.3022	204.0108
11441	LOC103243	72.8668	-0.84037	0.332449	-2.52783	0.011477	0.026669	73.72375	112.2194	93.92374	51.33892	57.75599	48.23901
11428	LOC103233	99.71993	-0.84047	0.332162	-2.53028	0.011397	0.026513	95.4072	171.8873	114.7957	66.96381	91.98176	57.28383
2439	ANXA8L1	886.8619	-0.8405	0.116564	-7.21066	5.57E-13	6.07E-12	1161.691	1146.28	1109.692	604.9064	635.3159	663.2864
22084	LOC103233	4.422255	-0.84175	1.181928	-0.71218	0.47635	0.573437	5.420864	6.02153	5.565851	2.232127	4.278221	3.014938
1455	SARS1	4035.477	-0.84197	0.09	-9.35524	8.34E-21	1.52E-19	5247.938	5250.774	5048.227	2930.783	2725.227	3009.914
13359	GPR19	50.33158	-0.842	0.394308	-2.13538	0.03273	0.065134	60.71367	70.61612	60.52863	37.94616	47.06043	25.12449
11017	LOC119621	77.46026	-0.84215	0.320748	-2.62557	0.008651	0.020874	110.5856	80.46954	108.5341	55.80317	47.06043	62.30873
1821	ATP6V0A2	2015.925	-0.84293	0.100441	-8.3923	4.77E-17	6.96E-16	2686.038	2623.197	2461.498	1401.776	1407.535	1515.509
5096	LOC103224	343.1065	-0.84302	0.182034	-4.63113	3.64E-06	1.90E-05	443.4267	464.2052	416.7431	189.7308		



9696	LOC103245	87.43807	-0.84389	0.287828	-2.93192	0.003369	0.009237	121.4273	110.5772	105.0554	55.80317	68.45154	63.31371
3753	XRCC3	509.4693	-0.84396	0.150944	-5.59122	2.25E-08	1.60E-07	687.9076	579.7091	697.1228	377.2295	337.9795	376.8673
12626	TRIM66	54.58489	-0.84436	0.370995	-2.27593	0.02285	0.048113	78.60252	64.04718	66.09448	49.10679	38.50399	31.15436
19447	ATP6V1C2	13.17179	-0.8445	0.760546	-1.11039	0.266832	0.364803	11.9259	25.18094	13.2189	6.696381	14.97377	7.034856
1813	IRAK1	5556.509	-0.84469	0.100319	-8.42003	3.76E-17	5.52E-16	7600.593	6567.847	7253	3957.561	3722.053	4237.998
8215	WNK4	136.0651	-0.84469	0.25277	-3.34173	0.000833	0.002694	143.1108	185.0252	196.892	87.05295	104.8164	99.49297
2582	XRCC4	989.0353	-0.84563	0.120676	-7.00745	2.43E-12	2.50E-11	1206.684	1374.551	1230.053	680.7987	748.6887	693.4358
3527	METTL23	784.7689	-0.84625	0.145166	-5.8295	5.56E-09	4.19E-08	1053.274	864.3633	1104.821	555.7996	611.7857	518.5694
16110	LOC119625	28.08719	-0.8465	0.515127	-1.64329	0.100323	0.165554	37.40396	35.03436	34.78657	31.24978	14.97377	15.07469
2623	BORA	1248.782	-0.84662	0.12191	-6.94463	3.79E-12	3.85E-11	1550.909	1782.373	1484.691	899.5472	838.5314	936.6409
4021	LOC119625	819.9783	-0.84664	0.158071	-5.35607	8.50E-08	5.62E-07	1082.004	863.8158	1214.051	553.5675	656.707	549.7238
20653	LOC103245	8.424209	-0.84665	0.912207	-0.92814	0.353336	0.454822	11.38381	10.40082	10.43597	11.16063	2.139111	5.024897
3944	CATSPERZ	369.053	-0.84689	0.156508	-5.41118	6.26E-08	4.22E-07	497.6353	446.1406	479.3589	272.3195	254.5542	264.3096
2275	TCOF1	4574.104	-0.84692	0.11359	-7.45597	8.92E-14	1.04E-12	5674.56	6463.291	5508.801	3232.12	2934.86	3630.991
8035	B3GALT5	118.7723	-0.84714	0.248931	-3.40312	0.000666	0.002204	142.5687	162.5813	152.3652	89.28508	83.42532	82.40832
4458	COMMD8	1066.949	-0.84749	0.168277	-5.0363	4.75E-07	2.83E-06	1528.141	1017.091	1571.657	716.5128	774.3581	793.9338
19646	LOC103235	12.02754	-0.84752	0.785958	-1.07833	0.280887	0.380097	17.88885	14.78012	13.91463	13.39276	2.139111	10.04979
21286	LOC119625	7.68944	-0.84765	1.012799	-0.83694	0.402627	0.502858	9.215468	11.49565	8.348776	2.232127	12.83466	2.009959
3117	BBS7	1451.507	-0.84769	0.135468	-6.2575	3.91E-10	3.34E-09	1658.784	2215.376	1724.022	1058.028	1009.66	1043.169
4252	BEND6	688.6025	-0.84781	0.16344	-5.18728	2.13E-07	1.33E-06	760.0051	1081.686	815.3972	495.5322	468.4652	510.5296
1719	RAD23A	5846.801	-0.84781	0.097641	-8.68294	3.86E-18	5.96E-17	7163.671	8176.143	7216.822	4122.739	3991.581	4409.85
3426	FOXO1	470.907	-0.84782	0.143248	-5.91853	3.25E-09	2.52E-08	606.5946	603.7952	609.4607	330.3548	314.4493	360.7876
1255	LOC103225	5569.824	-0.84809	0.084877	-9.992	1.65E-23	3.50E-22	6991.83	7467.245	7019.93	4055.775	3970.189	3910.375
3030	SGO2	2059.274	-0.84843	0.133269	-6.36626	1.94E-10	1.70E-09	2339.103	3165.135	2442.017	1408.472	1525.186	1479.33
17247	LOC103235	23.68511	-0.84845	0.581856	-1.45818	0.144791	0.223185	33.06727	38.31883	20.17621	8.928508	23.53022	18.08963
4147	TCERG1	7603.759	-0.84851	0.161311	-5.26009	1.44E-07	9.23E-07	8118.828	13028.95	8185.28	5261.123	5471.845	5556.531
10310	CD101	93.62728	-0.8486	0.304524	-2.78663	0.005326	0.013733	110.5856	123.1677	126.6231	49.10679	91.98176	60.29877
18078	LOC119625	21.00055	-0.84906	0.639495	-1.3277	0.184278	0.270994	41.19856	23.53871	17.39328	8.928508	12.83466	22.10955
2126	HUWE1	20892.72	-0.84936	0.109745	-7.73937	9.99E-15	1.25E-13	25114.32	30680.24	24825.09	14426.24	14235.78	16074.65
3076	MIS18A	870.1915	-0.84936	0.134713	-6.30495	2.88E-10	2.49E-09	1077.668	1266.164	1010.898	636.1562	635.3159	594.9478
2428	LOC119625	822.54	-0.84981	0.117542	-7.22983	4.84E-13	5.30E-12	1033.759	1066.906	1074.905	595.9779	564.7252	598.9678
19383	LOC119625	11.3752	-0.84986	0.758721	-1.12012	0.262661	0.360256	13.55216	14.78012	15.30609	11.16063	6.417332	7.034856
19084	TRNAL-CA1	15.00992	-0.8504	0.725637	-1.17193	0.241225	0.336038	24.39389	9.853413	24.3506	6.696381	10.69555	14.06971
2231	CDC25C	1825.268	-0.85042	0.112712	-7.54507	4.52E-14	5.39E-13	1381.778	1291.892	1285.712	718.7449	718.7412	754.7396
17052	PIP5K1B	20.64808	-0.85044	0.572032	-1.4867	0.137095	0.213739	25.47806	25.18094	28.52499	13.39276	19.252	12.05975
13247	PTGES3L	43.73667	-0.85082	0.394234	-2.15816	0.030916	0.062044	55.8349	52.00412	61.22436	31.24978	29.94755	32.15934
3526	RPS19	30910.35	-0.8511	0.145963	-5.83094	5.51E-09	4.16E-08	45173.68	29457.32	44688.91	21979.75	21083.07	23079.35
2402	NANOS1	1114.669	-0.85113	0.117093	-7.26882	3.63E-13	4.01E-12	1385.573	1534.943	1386.593	790.173	746.5496	844.1828
1714	BMI1	3351.174	-0.85119	0.097954	-8.68963	3.64E-18	5.64E-17	4080.284	4686.393	4168.127	2383.912	2423.612	2364.717
1663	DDX5	34739.53	-0.85128	0.096665	-8.80654	1.29E-18	2.06E-17	42321.22	49567.59	42220.46	24149.38	24216.87	25961.63
8930	CFAP70	97.86904	-0.85145	0.271361	-3.13769	0.001703	0.005069	132.8112	116.5987	128.7103	71.42806	66.31243	71.35354
2112	ATXN7L3	4538.941	-0.85196	0.109498	-7.78055	7.22E-15	9.09E-14	6181.953	5296.757	6054.95	3124.978	3003.311	3571.697
3057	PLXNC1	605.2872	-0.85209	0.134594	-6.33081	2.44E-10	2.12E-09	758.9209	818.3807	755.5643	448.6575	449.2132	400.9868
3270	RPS7	33428.34	-0.85218	0.140265	-6.07545	1.24E-09	1.01E-08	45028.4	33347.23	50691.68	24602.5	25115.3	21784.94
14978	LOC119625	1825.249	-0.85358	0.464306	-1.8384	0.066004	0.117152	2880.647	1054.315	3115.485	1267.848	1234.267	1398.931
3968	FAM117B	485.0935	-0.8537	0.158104	-5.39964	6.68E-08	4.47E-07	606.5946	697.4027	568.4125	386.158	312.3102	339.6831
13629	LOC119625	42.33389	-0.85425	0.410075	-2.08317	0.037236	0.072633	55.29281	54.19377	52.87558	29.01765	38.50399	24.11951
2020	SKP2	1817.588	-0.85428	0.107624	-7.9376	2.06E-15	2.71E-14	2300.615	2536.159	2187.379	1294.634	1247.102	1339.638
2855	BTF3	10821.34	-0.85469	0.129376	-6.60626	3.94E-11	3.67E-10	11926.98	16976.34	12903.03	7888.337	7754.276	7479.057
3873	PROCA1	377.4956	-0.85478	0.156188	-5.47279	4.43E-08	3.04E-07	506.8508	488.2913	460.5742	276.7837	280.2235	252.2498
18304	LOC103225	15.40903	-0.85553	0.667752	-1.28121	0.200121	0.290626	15.17842	26.27577	18.08902	11.16063	10.69555	11.05477
5135	TMEM52B	285.0719	-0.85567	0.18568	-4.60832	4.06E-06	2.10E-05	334.4673	406.1796	357.6059	209.8199	222.4675	179.8913
3787	ATP7B	470.3885	-0.8558	0.154015	-5.55659	2.75E-08	1.93E-07	635.3252	575.3298	611.5479	341.5154	288.7799	369.8324
4459	ATP6AP1L	514.3217	-0.85581	0.169943	-5.03587	4.76E-07	2.84E-06	622.3152	765.8291	594.1546	377.2295	412.8484	313.5536
8579	LOC103215	106.8847	-0.85616	0.264722	-3.23419	0.00122	0.00378	138.232	138.4952	134.9719	71.42806	89.84265	68.3386
10515	LOC103225	82.39548	-0.85621	0.312387	-2.74086	0.006128	0.015493	100.8281	90.32295	128.7103	53.57105	55.61688	65.32367
3914	RFNG	1123.421	-0.85649	0.157589	-5.43494	5.48E-08	3.72E-07	1563.377	1126.026	1656.536	756.691	778.6363	859.2574
7654	HHEX	127.445	-0.8567	0.244132	-3.50915	0.00045	0.001561	177.8043	158.202	155.1481	95.98146	94.12087	83.4133
22171	LOC119625	4.596928	-0.8569	1.231805	-0.69565	0.486648	0.583514	6.505036	6.02153	5.565851	4.464254	0	5.024897
18220	MSANTD1	18.11715	-0.8571	0.660082	-1.29848	0.194122	0.283245	26.56223	15.32753	27.13352	13.39276	19.252	7.034856
15284	LOC103245	31.19057	-0.85729	0.480922	-1.7826	0.074652	0.12985	36.31979	49.26706	34.78657	17.85702	27.80844	21.10457
3788	RPS25	21701.27	-0.85738	0.154315	-5.556	2.76E-08	1.94E-07	31510.4	19961.92	32427.34	15600.34	15221.91	15485.73
10866	LOC103245	71.96211	-0.85748	0.322849	-2.65597	0.007908	0.019345	98.65972	91.96518	86.27069	64.73168	44.92132	45.22408
1159	TAF4A	5089.077	-0.85825	0.083385	-10.2927	7.60E-25	1.74E-23	6657.363	6600.692	6422.992	3656.224	3520.976	3676.215
2089	FAM133B	2236.425	-0.85845	0.1099	-7.81118	5.67E-15	7.21E-14	2780.361	3195.79	2669.521	1571.417	1657.811	1543.648
18105	LOC103245	16.71834	-0.85851	0.650454	-1.31987	0.186879	0.274414	26.56223	19.15941	18.08902	15.62489	12.83466	8.039836
22214	LOC103235	4.549733	-0.85862	1.244816	-0.88975	0.490348	0.586812	5.96295	4.379295	7.653045	0	4.278221	5.024897
10663	LOC103235	143.5361	-0.85899	0.318103	-2.70035	0.006927	0.01727	211.4137	107.8401	234.4615	120.5349	100.5382	86.42823
22753	LOC119625	2.990325	-0.85919	1.430767	-0.60051	0.548165	0.640486	2.710432	3.284471	5.565851	2.232127	2.139111	2.009959
2809	TBC1D4	1119.456	-0.8592	0.128526	-6.68504	2.31E-11	2.18E-10	1392.078	1562.313	1382.418	783.4766	708.0456	888.4019
2640	HMOX2	1146.55	-0.85922	0.124214	-6.9								



1819	BTG3	2721.588	-0.86006	0.10235	-8.40313	4.35E-17	6.35E-16	3311.064	3770.573	3444.566	1866.058	2059.964	1877.302
10697	TTYH2	73.28412	-0.8601	0.3194	-2.69286	0.007084	0.017606	96.49137	93.60742	95.3152	51.33892	40.6431	62.30873
17641	ETV7	19.11121	-0.86019	0.614676	-1.39942	0.161687	0.243662	25.47806	24.63353	22.95914	11.16063	21.39111	9.044815
3382	CENPF	23009.73	-0.86058	0.144445	-5.95786	2.56E-09	2.01E-08	25482.4	37869.4	25678.75	15912.83	15795.19	17319.82
22466	LOC119621	3.511568	-0.86074	1.33151	-0.64644	0.517993	0.612964	4.878777	6.02153	2.782925	2.232127	2.139111	3.014938
15700	LOC103224	28.33722	-0.86083	0.501736	-1.71571	0.086215	0.145899	38.48813	27.918	43.13534	18.57502	23.53022	19.09461
2395	COIL	1251.696	-0.86086	0.118285	-7.27787	3.39E-13	3.76E-12	1561.751	1783.468	1499.997	863.8331	885.5918	915.5363
20611	LOC119615	7.976163	-0.861	0.92057	-0.93529	0.349638	0.450979	14.63633	6.568942	9.740239	4.464254	6.417332	6.029877
2233	SPRED1	2790.993	-0.86101	0.114206	-7.5391	4.73E-14	5.63E-13	3409.181	4105.589	3285.244	1926.326	2025.738	1993.879
7150	LOC103245	333.8839	-0.86121	0.233974	-3.68081	0.000232	0.000864	389.218	581.3513	318.645	258.9267	248.1368	207.0258
17373	LOC103226	47.17796	-0.86139	0.599964	-1.43574	0.151075	0.231183	93.23886	20.25424	69.57314	49.10679	10.69555	40.19918
12388	LOC119622	84.00182	-0.86196	0.370739	-2.32497	0.020074	0.043078	150.7	68.42648	107.8384	51.33892	51.33866	74.36848
2870	LSP1	880.0002	-0.862	0.13087	-6.58673	4.50E-11	4.16E-10	1031.048	1214.707	1157.001	687.4951	596.8119	592.9379
17399	LOC119624	18.04637	-0.86214	0.603142	-1.42942	0.152883	0.233589	21.68345	24.08612	24.3506	13.39276	10.69555	14.06971
20312	LOC103230	8.894636	-0.86218	0.883048	-0.97637	0.328879	0.430448	11.38381	12.59047	10.43597	2.232127	10.69555	6.029877
1267	DHX40	7733.532	-0.86221	0.086716	-9.94287	2.71E-23	5.68E-22	10229.71	9365.669	10339.96	5372.73	5578.801	5514.322
1357	POGLUT2	3654.281	-0.86258	0.088943	-9.69809	3.07E-22	6.02E-21	4889.619	4646.979	4612.699	2502.214	2613.993	2660.181
3550	LRATD1	433.7716	-0.86265	0.148627	-5.8041	6.47E-09	4.85E-08	531.2446	583.541	562.8467	299.105	329.423	296.4689
23129	LOC119618	2.872063	-0.86269	1.598158	-0.5398	0.589333	0.677409	2.168345	4.379295	4.174388	2.232127	4.278221	0
4718	LOC119627	277.4561	-0.86298	0.177175	-4.87078	1.11E-06	6.26E-06	355.0666	337.2057	381.2608	214.2842	183.9635	192.9561
18446	CREB3L1	18.96644	-0.8632	0.686405	-1.25757	0.208546	0.300563	14.63633	34.48694	23.65487	24.5534	6.417332	10.04979
11307	LOC103233	84.65276	-0.86334	0.337696	-2.55657	0.010571	0.024853	126.8482	91.96518	105.7512	71.42806	72.72976	39.1942
21857	CHN2	4.90813	-0.86346	1.149195	-0.75136	0.452436	0.550304	5.420864	4.926706	8.348776	4.464254	4.278221	2.009959
12601	LOC119618	61.07839	-0.86352	0.378232	-2.28305	0.022428	0.047317	86.19173	71.16354	79.31338	24.5534	62.03421	43.21412
17324	LOC103227	25.97556	-0.86385	0.598018	-1.44453	0.148591	0.228024	35.7777	41.05589	22.2634	15.62489	32.08666	9.044815
1502	UBE2C	2232.623	-0.86414	0.093461	-9.2459	2.33E-20	4.13E-19	2883.357	2911.683	2855.282	1553.56	1548.716	1643.141
20044	LOC119625	9.452551	-0.86444	0.846521	-1.02116	0.307177	0.407419	15.7205	12.59047	8.348776	4.464254	8.556443	7.034856
1729	SEL1L3	11345.92	-0.86447	0.100026	-8.64245	5.50E-18	8.46E-17	14176.1	16080.77	13691.3	7799.052	7696.52	8631.769
1996	CST3	14573.41	-0.86458	0.108016	-8.00416	1.20E-15	1.60E-14	17293.64	21313.48	17839.25	10502.16	9593.911	10898
3173	LOC103227	6126.264	-0.86458	0.139604	-6.19311	5.90E-10	4.94E-09	7950.781	6294.141	9479.34	4642.824	4293.195	4097.301
20418	CCDC87	8.847055	-0.86476	0.902245	-0.95846	0.337831	0.439828	16.80468	6.568942	10.43597	6.696381	8.556443	4.019918
6462	LOC103230	176.9796	-0.86485	0.218686	-3.95475	7.66E-05	0.000315	206.5349	249.6198	227.5042	142.8561	119.7902	115.5726
10356	LOC103214	103.4862	-0.86491	0.311673	-2.77505	0.005519	0.014169	157.205	93.60742	148.8865	69.19594	87.70354	64.31869
5310	EEF2KMT	400.8342	-0.86524	0.191719	-4.51306	6.39E-06	3.20E-05	619.6047	409.464	524.5815	301.3371	254.5542	295.464
2026	SLC24A2	8914.603	-0.86532	0.109251	-7.92048	2.37E-15	3.10E-14	10869.37	12995.01	10674.61	6069.153	6036.57	6842.905
14635	MALRD1	32.78429	-0.8656	0.455542	-1.90016	0.057412	0.104291	41.19856	45.43518	39.65669	26.78552	23.53022	20.09959
21312	OLFM1	5.955728	-0.86599	1.041886	-0.83118	0.405874	0.506296	6.505036	8.211177	8.348776	2.232127	6.417332	4.019918
4890	LOC103244	583.8753	-0.8662	0.182433	-4.74805	2.05E-06	1.12E-05	800.1195	579.7091	882.1874	464.2824	367.927	409.0266
9161	LOC119627	241.3709	-0.86632	0.2828	-3.06337	0.002189	0.006351	387.0497	204.1846	348.5614	131.6955	147.5986	229.1353
21335	LOC119626	6.517737	-0.86635	1.048215	-0.8265	0.408521	0.509048	13.01007	3.284471	9.044508	4.464254	4.278221	5.024897
1984	LIFR	2512.846	-0.86673	0.10798	-8.02679	1.00E-15	1.34E-14	3106.697	3576.789	3058.435	1691.952	1766.905	1876.297
10522	LOC103245	81.93889	-0.86681	0.316432	-2.73933	0.006156	0.015555	87.81799	123.1677	105.7512	71.42806	49.19955	54.26889
13046	LOC103214	52.42672	-0.86713	0.394771	-2.19653	0.028054	0.057168	75.89209	60.76271	68.87741	24.5534	34.22577	50.24897
3502	DTWD1	504.5123	-0.86736	0.148217	-5.85196	4.86E-09	3.69E-08	636.9515	691.9285	621.2881	388.3901	367.927	320.5885
14296	LOC103238	42.73437	-0.86755	0.442106	-1.9623	0.049727	0.092473	69.92914	55.28859	41.04815	35.71403	19.252	35.17428
19943	TRNAK-UU	13.77527	-0.86759	0.834812	-1.03926	0.298685	0.398161	16.80468	22.9913	14.61036	11.16063	0	17.08465
3058	LOC103235	2193.524	-0.86774	0.137106	-6.32893	2.47E-10	2.15E-09	3144.643	2317.194	3045.216	1537.935	1426.787	1689.37
19742	LOC119625	11.75196	-0.86783	0.817601	-1.06143	0.288495	0.388474	9.215468	17.51718	18.08902	6.696381	14.97377	4.019918
18648	LOC103247	13.46706	-0.86831	0.703998	-1.23339	0.217429	0.309971	19.51511	13.13788	19.48048	8.928508	10.69555	9.044815
8849	LOC119627	277.6539	-0.86849	0.275081	-3.15722	0.001593	0.004785	442.8846	201.995	432.0492	200.8914	186.1026	202.0009
4518	RPS14	31564.53	-0.86851	0.173645	-5.00166	5.68E-07	3.34E-06	46404.22	26891.06	49069.93	22935.1	22477.77	21609.07
1354	EIF3K	7140.533	-0.86852	0.089474	-9.70699	2.82E-22	5.53E-21	9586.797	8666.624	9432.726	5091.482	4838.668	5226.898
3767	SYT9	587.7226	-0.86853	0.155724	-5.57735	2.44E-08	1.72E-07	744.2846	849.5831	687.3826	352.6761	449.2132	443.1959
1740	AJUBA	7880.713	-0.86893	0.100811	-8.61933	6.73E-18	1.03E-16	10657.96	9735.719	10171.59	5392.819	5144.561	6181.629
3620	FYP7	423.1497	-0.86895	0.151951	-5.71861	1.07E-08	7.89E-08	580.5745	530.442	532.9302	285.7123	286.6408	322.5984
9568	CZPD27B1	93.35777	-0.86923	0.292872	-2.96795	0.002998	0.00833	134.9795	101.2712	127.3188	58.0353	64.17332	74.36848
6348	LOC103215	158.9013	-0.86955	0.217014	-4.00686	6.15E-05	0.000258	209.7874	197.6157	208.0237	116.0706	113.3729	108.5378
6110	LOC119618	282.0347	-0.86961	0.211344	-4.11468	3.88E-05	0.000169	422.2853	277.5378	394.4797	185.2665	209.6328	203.0059
22397	TRNAI-UAI	3.54482	-0.86967	1.32175	-0.65797	0.510559	0.606028	4.336691	3.284471	6.261582	2.232127	2.139111	3.014938
1611	RBSN	4018.893	-0.87032	0.097257	-8.94869	3.60E-19	5.94E-18	5413.274	5288.546	4892.383	2683.017	2800.096	3036.043
16220	LOC119625	30.05451	-0.87038	0.536113	-1.6235	0.104482	0.171249	24.93597	58.02565	34.09084	15.62489	23.53022	24.11951
3090	FAM193A	839.1803	-0.87038	0.138401	-6.28884	3.20E-10	2.75E-09	1018.038	1230.582	1001.853	633.9241	598.951	551.7337
1970	MCM10	3088.068	-0.87079	0.108204	-8.04769	8.44E-16	1.14E-14	3826.588	4438.415	3717.988	2120.521	2113.441	2311.453
8145	LOC103215	130.3881	-0.871	0.258775	-3.36587	0.000763	0.00249	190.8144	155.465	157.2353	87.05295	113.3729	78.3884
6419	LOC103247	202.1293	-0.8714	0.219326	-3.97306	7.10E-05	0.000294	215.7504	293.4127	275.5096	127.2312	156.1551	144.717
22464	LOC103245	3.915223	-0.87157	1.347589	-0.64676	0.517787	0.612774	5.96295	4.926706	4.174388	0	6.417332	2.009959
1236	UBA2	9733.281	-0.87188	0.086891	-10.0342	5.10E-23	2.32E-22	13305.51	11887.59	12374.65	6843.701	6723.225	7065.006
3337	LOC119618	444.5424	-0.87188	0.145159	-6.00642	1.90E-09	1.51E-08	575.6957	586.8255	559.368	325.8905	323.0057	296.4689
9752	LOC103245	114.0644	-0.872	0.29901	-2.91628	0.003542	0.009657	185.9356	104.0082	152.3652	78.12444	85.56443	78.3884
3037	MRPL12	2399.961	-0.8721	0.137189	-6.35692	2.06E-10	1.80E-09	3335.457	2468.827	3507.878	1		



3656	PBX3	539.5164	-0.87375	0.15348	-5.69291	1.25E-08	9.08E-08	681.9447	791.5575	622.6796	381.6937	357.2315	401.9918
10162	CUNH21or	85.94597	-0.87404	0.309603	-2.8231	0.004756	0.012443	134.9795	91.96518	107.8384	55.80317	57.75599	67.33362
16943	LOC10323	25.55997	-0.87413	0.582575	-1.50046	0.133496	0.209467	26.02015	53.09895	20.17621	17.85702	17.11289	19.09461
1693	HTT	7621.617	-0.87429	0.099947	-8.74752	2.18E-18	3.42E-17	9680.578	10089.35	9829.989	5258.891	4894.285	5976.613
2172	NOC3L	2980.214	-0.87476	0.114223	-7.65834	1.88E-14	2.31E-13	3575.06	4413.234	3584.408	2104.896	2044.99	2158.696
16175	LCT	34.08772	-0.87494	0.536391	-1.63116	0.102857	0.169054	48.24569	39.41365	42.43961	29.01765	36.36488	9.044815
3464	FAM149A	802.6889	-0.8753	0.1485	-5.89426	3.76E-09	2.89E-08	941.0619	1216.896	962.8922	540.1747	539.0559	616.0524
8774	CFAP43	112.7505	-0.87544	0.275207	-3.18101	0.001468	0.004447	159.9155	156.5598	119.6658	75.89232	94.12087	70.34856
4607	ACOX3	464.0078	-0.87558	0.177273	-4.93913	7.85E-07	4.53E-06	649.9616	526.0628	632.4198	270.0874	316.5884	388.9271
17277	LOC11962	19.43468	-0.87582	0.602456	-1.45375	0.146016	0.224682	25.47806	29.01283	20.87194	8.928508	19.252	13.06473
16225	CFAP92	28.24713	-0.8762	0.539853	-1.62303	0.104583	0.171362	47.16151	25.18094	36.17803	20.08914	27.80844	13.06473
3556	KIAA1958	534.6771	-0.87626	0.151049	-5.8012	6.58E-09	4.92E-08	699.2914	743.3852	637.9857	383.9258	329.423	414.0515
3757	PUM3	3687.878	-0.87627	0.156875	-5.58576	2.33E-08	1.65E-07	4164.85	6207.103	3950.363	2720.963	2543.403	2540.588
1450	PLK2	38121.49	-0.87631	0.093598	-9.36251	7.79E-21	1.43E-19	47673.24	54164.21	46234.13	26939.54	25844.74	27873.11
2193	LYRM4	986.1616	-0.8765	0.114979	-7.6232	2.47E-14	3.00E-13	1242.462	1324.737	1264.84	720.977	652.4288	711.5255
8622	LOC10323	128.9784	-0.87658	0.271986	-3.22287	0.001269	0.003913	164.7943	175.7192	156.5396	95.98146	115.512	65.32367
2637	PLK4	2258.343	-0.87658	0.126686	-6.91928	4.54E-12	4.58E-11	2683.87	3422.419	2665.347	1506.686	1689.897	1581.838
3134	TAPT1	586.6471	-0.87673	0.140508	-6.23967	4.39E-10	3.72E-09	733.4429	815.6436	733.3009	372.7652	423.5439	441.186
1130	PPP1CC	7018.93	-0.87678	0.084361	-10.3933	2.66E-25	6.26E-24	9414.414	8743.261	9109.211	4796.841	5061.136	4988.718
1750	FKBP10	18020.95	-0.87684	0.102036	-8.59339	8.44E-18	1.28E-16	22477.61	25389.51	22145.13	12725.36	11589.7	13798.37
1989	HELLS	7267.956	-0.8769	0.109343	-8.0197	1.06E-15	1.42E-14	9101.63	10612.67	8524.101	4794.609	5148.839	5425.884
20730	TRNAV-CA	7.525743	-0.87731	0.96018	-0.91369	0.360879	0.462806	14.63633	5.474118	9.044508	6.696381	4.278221	5.024897
3468	H2AFJ	1550.819	-0.87735	0.148957	-5.88993	3.86E-09	2.96E-08	2215.507	1561.766	2249.995	1069.189	1073.834	1134.622
1421	TUBB	51914.44	-0.87754	0.092777	-9.4586	3.12E-21	5.84E-20	65785.98	72524.95	63397.83	36162.69	34696.38	38918.83
1668	MRPL48	3954.64	-0.87758	0.099693	-8.80284	1.33E-18	2.13E-17	4964.969	5584.148	4810.982	2821.409	2877.104	2669.225
7852	LOC10323	126.3607	-0.87782	0.254255	-3.45254	0.000555	0.00188	156.663	171.3399	161.4097	78.12444	111.2338	79.39338
1793	UTP18	2537.961	-0.87793	0.103615	-8.47302	2.39E-17	3.55E-16	3467.184	3063.317	3333.945	1859.362	1657.811	1846.147
4443	CLTCL1	418.6123	-0.87799	0.17392	-5.04825	4.46E-07	2.67E-06	613.6418	451.0673	564.2381	287.9444	280.2235	314.5586
11799	LOC10322	67.90675	-0.87806	0.358478	-2.4494	0.01431	0.032242	107.8752	68.97389	88.35788	33.4819	53.47777	55.27387
4985	LOC10324	495.2934	-0.87822	0.187002	-4.69631	2.65E-06	1.41E-05	571.9011	816.191	535.7132	343.7476	361.5097	342.698
15222	SYCE2	30.06521	-0.87822	0.490106	-1.79191	0.073148	0.127752	47.7036	38.86624	29.91645	24.5534	19.252	20.09959
1805	DUSP14	3203.098	-0.87834	0.10411	-8.43668	3.26E-17	4.81E-16	4319.344	3935.344	4202.217	2180.788	2100.607	2480.289
5867	LOC10324	204.8602	-0.87849	0.207514	-4.23341	2.30E-05	0.000104	299.7738	246.8827	251.159	145.0883	130.4858	155.7718
9576	LOC11961	166.6656	-0.87868	0.296182	-2.9667	0.00301	0.008357	160.9997	315.8566	171.8456	107.1421	115.512	128.6374
2164	HIST2H2BE	9417.244	-0.87902	0.114684	-7.66473	1.79E-14	2.20E-13	12773.18	10332.4	13499.97	6676.292	6310.376	6911.244
2923	RRP12	3285.571	-0.87978	0.134935	-6.52003	7.03E-11	6.39E-10	4744.882	3728.969	4308.664	2120.521	2089.911	2720.479
2030	PFKFB2	1037.714	-0.88018	0.111257	-7.91127	2.55E-15	3.34E-14	1357.926	1337.327	1339.283	694.1915	767.9407	729.6151
6230	ZC3H8	386.4046	-0.88027	0.216689	-4.06234	4.86E-05	0.000207	422.8274	651.9675	424.3961	258.9267	325.1448	235.1652
10574	LOC11962	90.8664	-0.88038	0.322695	-2.72822	0.006368	0.016009	131.1849	83.75401	137.0591	75.89232	62.03421	55.27387
6525	LOC10324	221.9185	-0.8807	0.224166	-3.92881	8.54E-05	0.000348	319.831	247.4301	300.556	131.6955	139.0422	192.9561
8379	GALNT16	110.8996	-0.88083	0.267726	-3.29005	0.001002	0.003178	140.4004	153.2753	134.9719	82.5887	89.84265	64.31869
19333	GPR87	11.69115	-0.88105	0.779965	-1.1296	0.258644	0.355665	18.97302	10.40082	16.69755	4.464254	8.556443	11.05477
13544	LOC10324	48.85166	-0.88119	0.419622	-2.09997	0.035731	0.070135	46.07734	76.09024	66.09448	37.94616	42.78221	24.11951
4601	LOC11962	379.196	-0.88178	0.178403	-4.94262	7.71E-07	4.45E-06	571.9011	424.2442	480.7504	241.0697	273.8062	283.4042
2387	ARHGEF39	808.0199	-0.882	0.120992	-7.28979	3.10E-13	3.46E-12	1095.014	1007.785	1040.814	542.4069	588.2554	573.8433
14781	DUSP2	44.88945	-0.8822	0.470124	-1.87652	0.060583	0.108957	61.79785	36.12918	75.13899	31.24978	44.92132	20.09959
1595	RACK1	110185	-0.88222	0.098102	-8.99291	2.41E-19	4.01E-18	151601.5	127338.4	149651.8	78729.35	73337.27	80451.62
21028	LOC10322	6.56042	-0.88226	1.006752	-0.87635	0.380842	0.481485	12.46799	5.474118	7.653045	4.464254	4.278221	5.024897
3729	ARL13B	2132.484	-0.88231	0.157182	-5.61333	1.98E-08	1.41E-07	2422.042	3533.543	2336.266	1504.454	1593.637	1404.961
2337	TSPAN2	1032.898	-0.88246	0.119947	-7.35709	1.88E-13	2.14E-12	1426.771	1228.94	1363.633	743.2983	693.0719	741.6748
2499	FAM114A1	3325.487	-0.88268	0.123707	-7.13523	9.66E-13	1.03E-11	4036.917	5000.06	3903.053	2408.465	2124.137	2480.289
17934	ERMN	16.00191	-0.88338	0.652216	-1.35443	0.175598	0.260302	16.80468	22.9913	22.2634	8.928508	14.97377	10.04979
2363	COX11	2341.361	-0.88348	0.12062	-7.32446	2.40E-13	2.70E-12	3203.188	2585.426	3319.334	1678.559	1672.785	1588.873
2382	SRBD1	3846.607	-0.88433	0.121127	-7.30084	2.86E-13	3.19E-12	4593.64	5878.108	4499.295	2651.767	2693.14	2763.694
8913	LOC10321	100.6987	-0.88449	0.281602	-3.14093	0.001684	0.005023	149.0738	124.2625	120.3615	69.19594	59.8951	81.40334
20844	LOC10323	7.045066	-0.88449	0.983893	-0.89897	0.368667	0.470192	7.589209	9.853413	9.740239	8.928508	2.139111	4.019918
19162	LOC11962	12.34026	-0.88485	0.763628	-1.15874	0.24656	0.342083	15.7205	14.23271	17.39328	6.696381	14.97377	5.024897
17102	LOC11962	47.99656	-0.8849	0.597471	-1.48107	0.138587	0.215434	25.47806	127.547	33.39511	46.87467	23.53022	31.15436
19506	SPATA25	11.76154	-0.88536	0.804779	-1.10013	0.271276	0.369725	19.51511	12.59047	14.61036	2.232127	8.556443	13.06473
8584	LOC10323	106.9658	-0.88536	0.273793	-3.2337	0.001222	0.003785	144.7371	134.1159	140.5377	62.49956	68.45154	91.45313
2038	PHKA1	2003.853	-0.8855	0.112135	-7.89675	2.86E-15	3.73E-14	2459.446	2894.166	2450.366	1388.383	1360.474	1470.285
10847	LOC11962	82.69436	-0.88603	0.332952	-2.66115	0.007788	0.019087	134.4374	82.11177	103.664	60.26743	68.45154	47.23404
6782	TEN1	332.2696	-0.88659	0.231805	-3.82472	0.000131	0.000513	528.5342	286.2964	479.3589	234.3733	228.8848	236.1702
23425	LOC10323	2.047947	-0.88662	1.788913	-0.49562	0.620164	0.703824	1.626259	1.642235	4.87012	0	2.139111	2.009959
3750	ZBTB49	427.3863	-0.88674	0.158539	-5.59322	2.23E-08	1.58E-07	549.1335	599.9633	515.5369	265.6231	331.5622	302.4988
14594	LOC10323	42.72396	-0.88779	0.465351	-1.90778	0.056419	0.102775	43.909	77.73248	45.91827	33.4819	17.11289	38.18922
13388	SLC45A1	51.7495	-0.88813	0.41703	-2.12967	0.033199	0.065926	69.38706	70.06871	59.8329	33.4819	55.61688	22.10955
8502	LOC10321	101.7434	-0.88854	0.272899	-3.25591	0.00113	0.003534	142.0266	120.978	134.9719	62.49956	70.59065	79.39338
2591	ATF3	777.6683	-0.88876	0.127091	-6.99307	2.69E-12	2.76E-11	1047.311	968.3715	1017.159	491.0679	573.2817	568.8184
1487	TGIF1	5331.859	-0.88895	0.095679	-9.2909	1.53E-20	2.74E-19	6771.201	7532.934	6470.997	3745.509	3653.601	3816.912
2476	USP44	1139.702	-0.88917	0.12425	-7.15632	8.29E-13	8.90						



14328	LOC119621	35.73545	-0.89	0.454938	-1.9563	0.05043	0.09357	44.99317	50.9093	42.43961	35.71403	19.252	21.10457
17190	CYRIA	20.81817	-0.89075	0.606293	-1.46917	0.141786	0.219277	29.27266	29.01283	21.56767	15.62489	21.39111	8.039836
10513	LOC103241	80.02099	-0.89095	0.324977	-2.74157	0.006115	0.015463	111.1277	91.41777	112.0128	53.57105	40.6431	71.35354
2097	SUPT4H1	1568.263	-0.89126	0.114267	-7.79976	6.20E-15	7.86E-14	2122.81	1854.631	2138.678	1140.617	1018.217	1134.622
18506	LOC119618	15.02957	-0.89137	0.712911	-1.25033	0.211178	0.303371	25.47806	10.40082	22.2634	11.16063	12.83466	8.039836
2752	ANKRD44	655.7595	-0.89143	0.131661	-6.77068	1.28E-11	1.24E-10	834.813	916.3674	804.2655	453.1218	472.7435	453.2457
11819	NR4A1	59.71917	-0.89163	0.364483	-2.44396	0.014527	0.032677	85.10756	71.16354	74.44326	55.80317	40.6431	31.15436
3574	NUBP1	446.4968	-0.89173	0.154282	-5.77989	7.47E-09	5.56E-08	571.9011	616.9331	556.5851	301.3371	284.5017	347.7229
19942	LOC119621	11.3152	-0.89225	0.858371	-1.03946	0.29859	0.398055	17.88885	11.49565	13.91463	4.464254	17.11289	3.014938
1949	WDR3	3395.071	-0.89234	0.11019	-8.09818	5.58E-16	7.61E-15	4331.812	4865.944	4046.374	2194.181	2391.526	2540.588
3643	MARCKS	1569.623	-0.89256	0.156526	-5.70233	1.18E-08	8.62E-08	1775.333	2577.762	1769.245	1024.546	1125.172	1145.677
2953	RPS10	21597.29	-0.89268	0.13764	-6.48559	8.84E-11	7.96E-10	31726.15	21398.88	31097.11	15031.14	15050.78	15279.71
12001	CUNH6orf	71.33344	-0.89275	0.370989	-2.40641	0.01611	0.035688	100.286	65.68942	109.9256	58.0353	59.8951	34.1693
3645	ANKRD11	4622.518	-0.89308	0.15666	-5.70074	1.19E-08	8.70E-08	4992.615	7830.179	5206.854	3207.566	3091.015	3406.88
16338	LOC119621	21.58535	-0.89327	0.558975	-1.59805	0.110031	0.179041	31.44101	27.918	24.3506	15.62489	17.11289	13.06473
6927	LOC103211	452.9059	-0.8933	0.237302	-3.76442	0.000167	0.000641	461.3155	853.9624	451.5297	323.6584	297.3364	329.6333
10817	LOC119621	77.69601	-0.89331	0.335015	-2.66647	0.007665	0.018839	112.2119	95.24966	92.53227	66.96381	62.03421	37.18424
2917	DEK	6654.215	-0.89351	0.136851	-6.52905	6.62E-11	6.03E-10	7783.818	10756.09	7413.018	4622.735	4748.826	4600.796
1273	RUSC2	4797.373	-0.89374	0.090036	-9.92646	3.19E-23	6.67E-22	6325.064	6278.814	6116.174	3345.958	3161.606	3556.622
3450	RIOK1	1404.065	-0.89396	0.151519	-5.90001	3.63E-09	2.80E-08	1606.202	2270.117	1598.791	1017.85	979.7127	951.7156
6206	LOC103241	167.1969	-0.89408	0.219659	-4.07029	4.70E-05	0.000201	231.4709	195.9734	225.417	122.767	106.9555	120.5975
2064	METTL5	1273.067	-0.89412	0.113754	-7.86011	3.84E-15	4.94E-14	1561.209	1660.847	1738.633	930.797	919.8176	827.0981
23136	HBM	2.457685	-0.89481	1.660126	-0.539	0.589885	0.677822	3.794605	2.189647	3.478657	0	4.278221	1.004979
3733	IQCC	338.5942	-0.89483	0.159501	-5.61016	2.02E-08	1.44E-07	435.8374	449.4251	435.5278	249.9982	224.6066	236.1702
19299	LOC119618	10.60832	-0.89525	0.788355	-1.13559	0.256127	0.352823	11.9259	12.04306	17.39328	6.696381	8.556443	7.034856
8848	LOC119621	142.0035	-0.89545	0.283608	-3.15734	0.001592	0.004784	235.2655	148.3486	168.367	89.28508	128.3466	82.40832
1316	RPS3	40460.88	-0.89549	0.091342	-9.80377	1.08E-22	2.19E-21	52341.15	48650.68	56893.43	29086.85	28608.47	27184.69
19668	LOC103211	9.509306	-0.8959	0.833246	-1.0752	0.282287	0.381565	13.01007	9.853413	13.91463	6.696381	8.556443	5.024897
1780	RTTN	1976.961	-0.8959	0.105224	-8.51422	1.68E-17	2.50E-16	2618.277	2479.776	2625.69	1339.276	1296.301	1502.444
22619	LOC103231	3.48795	-0.89647	1.441152	-0.62205	0.53391	0.627525	5.96295	1.094824	6.261582	4.464254	2.139111	1.004979
2598	TMCO6	1028.492	-0.89664	0.128424	-6.98187	2.91E-12	2.98E-11	1452.249	1237.151	1325.368	785.7087	643.8723	726.6002
4751	BEGAIN	371.0821	-0.89665	0.185098	-4.84418	1.27E-06	7.11E-06	512.8137	410.5589	530.1473	223.2127	250.2759	299.4839
1415	FAM126A	6614.678	-0.89682	0.0946	-9.48014	2.54E-21	4.77E-20	8384.45	9354.72	8085.094	4531.218	4549.888	4782.697
1852	PSMC5	3380.092	-0.89683	0.108114	-8.29524	1.08E-16	1.56E-15	4303.624	4681.466	4218.219	2330.341	2156.932	2609.932
4054	LSM4	2784.282	-0.89684	0.16828	-5.32943	9.85E-08	6.46E-07	4185.991	2591.448	4094.379	2004.45	1721.984	2107.442
1517	WDR43	8716.024	-0.89717	0.097559	-9.19618	3.71E-20	6.50E-19	10896.48	12542.3	10590.42	5991.029	5993.788	6282.127
6570	CIB2	189.1048	-0.89726	0.229347	-3.91223	9.14E-05	0.00037	262.3698	230.4604	243.506	171.8738	104.8164	121.6025
2093	HNRNPA1	40312.95	-0.89746	0.114991	-7.80459	5.97E-15	7.58E-14	48659.3	61607.37	47123.97	27785.52	27158.15	29543.38
1964	TSEN2	1260.569	-0.89748	0.111338	-8.06087	7.58E-16	1.03E-14	1634.932	1706.283	1577.919	839.2797	949.7651	855.2375
23278	LOC119621	2.07875	-0.89763	1.736293	-0.51698	0.605171	0.691171	2.710432	2.737059	2.782925	2.232127	0	2.009959
1883	GPT2	4069.602	-0.89805	0.109156	-8.22724	1.92E-16	2.70E-15	5570.48	5013.745	5317.475	2705.338	2609.715	3200.86
1667	B3GALNT2	3480.949	-0.89822	0.102014	-8.80491	1.31E-18	2.09E-17	4530.758	4894.409	4172.301	2363.822	2363.717	2560.688
16378	CLEC18C	23.62595	-0.8983	0.564338	-1.59178	0.111434	0.180877	29.81475	25.18094	36.17803	24.5534	14.97377	11.05477
12608	SOX2	54.88471	-0.89852	0.393944	-2.28082	0.022559	0.047567	56.37698	90.87036	65.39875	46.87467	40.6431	29.1444
17292	LOC103211	21.9436	-0.89872	0.6198	-1.45002	0.147052	0.226079	33.60935	21.34906	29.91645	8.928508	27.80844	10.04979
14148	LOC103211	37.41128	-0.89879	0.452595	-1.98585	0.04705	0.088409	59.08741	34.48694	52.17985	26.78552	27.80844	24.11951
2217	LOC103241	6501.639	-0.90013	0.118938	-7.56804	3.79E-14	4.54E-13	9015.98	7068.181	9314.452	4767.823	4387.316	4456.079
4139	DISC1	277.8617	-0.90037	0.171003	-5.26522	1.40E-07	8.99E-07	355.6087	363.4814	365.9547	198.6593	192.52	190.9461
1940	CEP55	2621.922	-0.90042	0.110935	-8.11662	4.79E-16	6.57E-15	3198.852	3849.947	3192.711	1866.058	1831.079	1792.883
1567	MTA1	3973.978	-0.90057	0.099461	-9.05456	1.37E-19	2.33E-18	5053.329	5240.373	5239.553	2866.051	2489.925	2954.64
8894	MACROD2	87.90511	-0.9016	0.286565	-3.14624	0.001654	0.004943	111.6698	114.9565	115.4914	64.73168	66.31243	54.26889
10458	LOC103211	118.2821	-0.90177	0.327398	-2.75434	0.005881	0.01495	191.8986	93.06001	176.02	98.21359	79.14709	71.35354
1911	RBMS1	8296.581	-0.90186	0.110309	-8.17575	2.94E-16	4.09E-15	10311.02	12355.63	9762.503	5745.495	5531.74	6073.091
24341	LOC119621	0.967098	-0.9021	2.5378	-0.35547	0.722239	0.788758	1.084173	1.094824	1.391463	2.232127	0	0
21942	LOC119621	5.109769	-0.90249	1.224033	-0.73731	0.460933	0.558491	5.96295	1.642235	12.52316	2.232127	4.278221	4.019918
2354	CTIF	1188.073	-0.90254	0.123054	-7.33452	2.23E-13	2.51E-12	1585.061	1505.93	1559.134	859.3689	714.463	904.4815
2341	THOC6	1696.654	-0.90256	0.122765	-7.35193	1.95E-13	2.22E-12	2450.772	1923.605	2261.127	1133.921	1174.372	1236.125
13677	LOC103231	44.00706	-0.90257	0.435356	-2.07318	0.038155	0.074165	62.33993	53.09895	57.04997	42.41041	14.97377	34.1693
23824	TRNAG-UC	1.627015	-0.90274	2.079883	-0.43404	0.664263	0.741245	1.626259	1.642235	3.478657	0	0	3.014938
1486	KIAA0100	24589.71	-0.90279	0.097168	-9.29104	1.53E-20	2.73E-19	31964.12	33477.52	30695.67	16283.37	16122.48	18995.12
2228	EIF2S2	11712.13	-0.90292	0.119479	-7.55711	4.12E-14	4.92E-13	13822.12	18158.2	13803.31	8249.941	8301.888	7937.328
2015	ARAP3	1769.743	-0.90335	0.113714	-7.94401	1.96E-15	2.58E-14	2377.591	2260.263	2291.043	1113.831	1197.902	1377.827
14813	LOC103231	53.02049	-0.90336	0.48302	-1.87024	0.061451	0.110286	99.20181	30.10765	78.61764	40.17829	27.80844	42.20914
2946	NLN	4893.516	-0.9034	0.13915	-6.4923	8.45E-11	7.63E-10	5696.786	7945.682	5490.016	3310.244	3480.333	3438.035
19463	LOC119618	9.663494	-0.90345	0.815823	-1.10741	0.268117	0.366228	12.46799	14.23271	11.1317	6.696381	6.417332	7.034856
5236	AMT	276.8542	-0.90376	0.198143	-4.56117	5.09E-06	2.58E-05	414.154	304.361	365.259	205.3557	168.9897	203.0059
23071	LOC119621	2.601555	-0.90398	1.641448	-0.55072	0.581824	0.670414	3.794605	1.094824	5.565851	0	2.139111	3.014938
1544	FOXK2	3948.301	-0.90402	0.099284	-9.10542	8.59E-20	1.48E-18	5016.467	5609.876	4815.853	2747.748	2656.775	2843.087
1284	NUP107	3865.735	-0.90408	0.091334	-9.89861	4.22E-23	8.74E-22	5097.238	5155.524	4870.12	2555.785	2686.723	2829.017
13061	SEZ6L2	46.27988	-0.90428	0.412043	-2.19463	0.02819	0.05738	59.6295	52.00412	67.48594	37.94616	38.50399	22.10955
1828	CENPA	2168.873	-0.90456	0.108083	-8.36912	5.80E-17	8.44E-16	2765.725	3011.86	2			



3552	MPP7	419.8399	-0.90524	0.156	-5.80283	6.52E-09	4.88E-08	504.6824	595.5841	540.5833	283.4801	312.3102	282.3992
18067	HESX1	18.08023	-0.90546	0.680593	-1.33041	0.183385	0.269845	28.18849	14.78012	28.52499	15.62489	4.278221	17.08465
4589	LOC119625	252.0507	-0.90614	0.183108	-4.94869	7.47E-07	4.33E-06	314.9522	348.7013	322.8194	160.7131	188.2417	176.8764
21266	TRNAK-CU	7.197052	-0.90622	1.078763	-0.84005	0.400878	0.501144	8.131296	2.189647	18.08902	4.464254	4.278221	6.029877
3609	LOC103226	339.6745	-0.90637	0.158159	-5.73072	1.00E-08	7.37E-08	442.3425	445.5932	440.398	245.534	231.024	233.1552
7907	LOC103226	116.6816	-0.9068	0.26392	-3.43588	0.000591	0.001986	156.663	142.8745	156.5396	100.4457	64.17332	79.39338
21140	LOC119625	6.538707	-0.90683	1.054915	-0.85963	0.389995	0.490456	7.589209	3.831883	13.91463	4.464254	6.417332	3.014938
1504	RPL35	31387.02	-0.90689	0.098128	-9.24189	2.42E-20	4.28E-19	40460.78	37931.26	44418.97	23261	22000.75	20249.33
1430	KNTC1	5495.51	-0.90694	0.096104	-9.43704	3.83E-21	7.13E-20	7252.031	7418.525	6843.214	3705.331	3604.401	4149.56
1176	CDH17	6424.377	-0.90716	0.08857	-10.2423	1.28E-24	2.90E-23	8437.032	8753.115	7954.992	4453.093	4306.03	4642
20384	LOC119618	8.052999	-0.90742	0.941347	-0.96396	0.335066	0.436996	5.420864	15.32753	10.43597	6.696381	6.417332	4.019918
3396	RPIA	467.9383	-0.90796	0.152641	-5.94832	2.71E-09	2.12E-08	646.167	642.6615	544.0619	325.8905	310.171	338.6781
2051	OTUD6B	2636.261	-0.90805	0.115248	-7.87909	3.30E-15	4.27E-14	3195.057	3940.27	3182.971	1814.719	1852.47	1832.078
9287	TENT5B	80.75681	-0.90815	0.299278	-3.03449	0.002409	0.006896	104.6227	102.366	109.9256	60.26743	47.06043	60.29877
2376	LOC119624	739.8053	-0.90821	0.124318	-7.30554	2.76E-13	3.09E-12	910.7051	1003.953	980.2855	511.1571	526.2212	506.5097
2099	PNO1	2800.851	-0.90845	0.116536	-7.79541	6.42E-15	8.13E-14	3853.15	3129.006	3980.975	1979.897	1946.591	1915.491
1162	POLDIP2	4071.461	-0.90862	0.088308	-10.2891	7.89E-25	1.81E-23	5250.106	5477.403	5216.594	2778.998	2753.035	2952.63
2192	PDE5A	1167.946	-0.9087	0.119202	-7.62322	2.47E-14	3.00E-13	1464.175	1678.912	1431.119	810.2621	785.0536	838.1529
12777	LOC119626	62.41369	-0.9088	0.405066	-2.24358	0.024859	0.051725	110.5856	60.2153	73.74753	58.0353	25.66933	46.22906
2202	SUZ12	4970.436	-0.90887	0.119616	-7.59825	3.00E-14	3.62E-13	6091.425	7559.21	5812.14	3252.209	3452.525	3655.11
3034	LOC103245	1695.599	-0.90895	0.142863	-6.36239	1.99E-10	1.74E-09	2070.228	2553.129	2021.795	1180.795	998.9647	1348.682
2664	SLITRK5	1101.921	-0.90962	0.132254	-6.87787	6.08E-12	6.06E-11	1296.129	1626.361	1388.68	830.3512	744.4105	725.5952
29020	LOC103245	0.712246	-0.90978	3.128069	-0.29084	0.771171	NA	1.626259	1.642235	0	0	0	1.004979
6067	LOC119615	191.9913	-0.90979	0.219824	-4.13871	3.49E-05	0.000153	241.7705	240.3138	274.1182	118.3027	117.6511	159.7917
1522	ZBTB80S	1539.898	-0.9099	0.099191	-9.17318	4.59E-20	8.02E-19	2046.376	2000.79	1982.139	1084.814	1060.999	1064.273
21779	LOC119620	5.03528	-0.91016	1.193069	-0.76288	0.445537	0.543854	3.252518	4.379295	11.82743	4.464254	4.278221	2.009959
6982	UNC5B	126.1459	-0.91064	0.243432	-3.74083	0.000183	0.000698	159.3734	173.5295	160.0182	95.98146	85.56443	82.40832
3085	PDE9A	638.4399	-0.9109	0.144694	-6.29536	3.07E-10	2.64E-09	786.0252	944.2854	768.0874	468.7467	436.3786	427.1163
17418	LOC119618	21.1408	-0.91106	0.638665	-1.4265	0.153724	0.234629	21.14137	38.31883	22.95914	6.696381	25.66933	12.05975
8205	LOC103245	99.93747	-0.9113	0.27247	-3.3446	0.000824	0.00267	140.4004	123.7151	128.0146	60.26743	74.86887	72.35852
1712	EML1	2820.945	-0.91139	0.104817	-8.6951	3.47E-18	5.38E-17	3628.726	3893.193	3536.403	1941.95	1796.853	2128.547
12369	LOC103235	74.0368	-0.9118	0.391609	-2.32834	0.019894	0.042759	112.2119	68.42648	111.317	60.26743	25.66933	66.32864
6890	LOC103235	243.5983	-0.91181	0.241198	-3.78033	0.000157	0.000604	342.5986	223.344	388.2181	189.7308	151.8769	165.8216
3081	LOC119625	1671.27	-0.9121	0.144721	-6.30246	2.93E-10	2.53E-09	2042.581	2529.59	1982.834	1154.01	983.9909	1334.613
9425	LOC103216	108.9175	-0.91232	0.303906	-3.00197	0.002682	0.007566	119.259	159.8442	146.7993	104.91	51.33866	71.35354
11895	LOC119626	62.71723	-0.91234	0.37606	-2.42604	0.015265	0.034114	107.3331	56.93083	81.40057	44.64254	42.78221	43.21412
6459	ARSG	158.122	-0.91273	0.230654	-3.95713	7.59E-05	0.000312	191.8986	232.1026	194.8048	124.9991	98.39909	106.5278
21359	LOC119618	6.159698	-0.91301	1.109514	-0.8229	0.410567	0.511023	11.38381	5.474118	7.653045	0	6.417332	6.029877
10967	LOC103245	15179.26	-0.91309	0.346387	-2.63605	0.008388	0.020332	23853.43	10418.34	25214.7	10624.92	9925.473	11038.69
7773	LOC103215	111.3316	-0.91317	0.263065	-3.47126	0.000518	0.001771	127.9324	160.3917	148.1908	80.35657	72.72976	78.3884
1231	TBC1D14	4113.2	-0.91381	0.090835	-10.0601	8.29E-24	1.79E-22	5562.89	5307.158	5259.033	2778.998	2755.175	3015.943
3168	CEP72	1165.627	-0.91413	0.147475	-6.19859	5.70E-10	4.78E-09	1743.35	1269.448	1561.917	765.6196	752.967	900.4616
19999	LOC119620	9.247416	-0.91416	0.887477	-1.03007	0.302979	0.402756	10.29964	9.853413	16.00182	11.16063	2.139111	6.029877
6043	EPHB6	165.3146	-0.91444	0.22053	-4.14653	3.38E-05	0.000149	226.05	201.995	218.4597	109.3742	130.4858	105.5228
3837	LOC103225	395.4021	-0.91449	0.166042	-5.50762	3.64E-08	2.52E-07	559.4331	489.3862	506.4924	249.9982	254.5542	312.5486
17262	LOC119615	17.9281	-0.9146	0.627864	-1.45668	0.145204	0.223614	21.68345	17.51718	31.30791	11.16063	12.83466	13.06473
2532	NCK2	898.9991	-0.9147	0.129197	-7.07989	1.44E-12	1.51E-11	1147.055	1293.534	1086.732	578.1209	635.3159	653.2367
20707	CUZD1	6.521643	-0.91523	0.99584	-0.91906	0.358066	0.459709	8.673382	8.211177	8.348776	4.464254	6.417332	3.014938
2708	AP1AR	727.2828	-0.91524	0.134072	-6.82643	8.71E-12	8.55E-11	952.9878	1015.449	878.013	522.3177	532.6386	462.2906
7604	LOC103235	246.1167	-0.91538	0.259723	-3.52447	0.000424	0.001484	250.986	454.8992	257.4206	187.4987	171.1289	154.7688
11300	LOC103245	75.18107	-0.91619	0.358019	-2.55905	0.010496	0.024693	87.27591	117.6935	89.74935	31.24978	74.86887	50.24897
3481	HYI	620.2605	-0.91633	0.155923	-5.87678	4.18E-09	3.19E-08	841.8601	765.8291	832.0947	426.3363	352.9533	502.4897
1272	PCGF5	2914.147	-0.91641	0.092318	-9.92674	3.18E-23	6.66E-22	3845.561	3937.533	3649.111	2017.843	1961.564	2073.273
4404	PABIR3	312.9422	-0.9165	0.18049	-5.07788	3.82E-07	2.30E-06	380.5446	437.382	411.1772	178.5702	243.8586	226.1204
8117	LOC103235	142.9427	-0.91688	0.271785	-3.37356	0.000742	0.00243	151.2421	240.3138	170.4542	102.6778	83.42532	109.5428
6122	CDK3	192.383	-0.91717	0.223261	-4.10806	3.99E-05	0.000173	278.0903	210.7535	267.8566	113.8385	139.0422	144.717
2606	LOC103245	858.8838	-0.9173	0.131587	-6.97105	3.15E-12	3.21E-11	1197.469	1068.548	1102.734	531.2462	667.4025	585.903
1788	INTS3	4114.919	-0.91787	0.108137	-8.48805	2.10E-17	3.12E-16	5629.567	5229.425	5297.299	2638.374	2673.888	3220.959
14088	LOC119625	40.52302	-0.91863	0.460025	-1.99691	0.045835	0.086495	63.96619	38.31883	54.96278	35.71403	32.08666	18.08963
20575	LOC119624	14.53718	-0.91909	0.976097	-0.9416	0.346399	0.447583	11.9259	16.42235	27.82925	2.232127	27.80844	1.004979
20742	LOC103225	8.066652	-0.91919	1.008728	-0.91123	0.362172	0.464195	13.01007	3.831883	14.61036	2.232127	10.69555	4.019918
13945	XRRRA1	37.2253	-0.9192	0.454206	-2.02376	0.042995	0.081966	49.87195	54.19377	43.13534	29.01765	14.97377	32.15934
2964	HROB	658.3236	-0.91924	0.142057	-6.47093	9.74E-11	8.74E-10	864.0857	907.6088	818.8758	410.7114	432.1004	516.5594
1279	BARO1	2135.732	-0.91952	0.092803	-9.90838	3.83E-23	7.96E-22	2784.698	2810.96	2788.491	1491.061	1441.761	1497.419
4500	LOC103245	724.6234	-0.9196	0.183537	-5.01043	5.43E-07	3.21E-06	753.5001	1178.578	907.2337	535.7105	547.6123	425.1063
20480	LOC119620	7.193311	-0.91989	0.968141	-0.95016	0.34203	0.443988	12.46799	7.663765	8.348776	2.232127	6.417332	6.029877
2683	MED28	681.0005	-0.92004	0.134197	-6.85593	7.08E-12	7.02E-11	953.5299	906.514	812.6142	450.8897	494.1346	468.3204
2321	GPAT3	833.7193	-0.92022	0.124654	-7.38223	1.56E-13	1.78E-12	1097.725	1113.436	1065.165	600.4422	515.5257	610.0225
2928	PIGL	514.7702	-0.92068	0.141376	-6.5123	7.40E-11	6.72E-10	691.7022	689.7389	642.8558	330.3548	355.0924	378.8773
17173	LOC103245	18.20136	-0.92146	0.62615	-1.47163	0.141121	0.218452	26.02015	20.80165	23.65487	17.85702	12.83466	8.039836
1228	FANCD2	6416.365	-0.9216	0.091499	-10.0722	7.33E-24							



4841	CUNH20or	994.0307	-0.92194	0.192542	-4.78826	1.68E-06	9.24E-06	1559.582	904.3243	1443.643	678.5666	603.2292	774.8392
9344	ESAM	78.97136	-0.92222	0.305367	-3.02004	0.002527	0.007191	94.32303	100.1764	116.1871	49.10679	57.75599	56.27885
2502	ENAH	5959.831	-0.92229	0.129349	-7.13021	1.00E-12	1.06E-11	7068.264	9447.781	6894.002	4087.025	3944.52	4317.392
13937	PHF24	46.02594	-0.92303	0.455758	-2.02525	0.042841	0.08172	53.12446	76.63765	49.39693	24.5534	51.33866	21.10457
10558	LOC11961f	75.70637	-0.92345	0.338064	-2.7316	0.006303	0.015871	85.10756	129.7366	82.0963	53.57105	53.47777	50.24897
3225	LOC10322f	521.6596	-0.9236	0.150509	-6.13649	8.44E-10	6.95E-09	665.6821	766.3765	616.418	372.7652	352.9533	355.7627
22208	LOC11961f	4.006458	-0.92384	1.337002	-0.69098	0.489579	0.586071	5.96295	5.474118	4.174388	0	6.417332	2.009959
18943	LOC10322f	15.42415	-0.92417	0.772584	-1.19621	0.231614	0.325052	24.39389	9.306001	26.43779	20.08914	4.278221	8.039836
10255	LOC10323f	69.51095	-0.92428	0.330046	-2.80045	0.005103	0.013229	104.6227	76.63765	91.14081	49.10679	51.33866	44.2191
17191	LOC11962f	17.29968	-0.9252	0.629807	-1.46903	0.141826	0.219327	23.8518	26.27577	17.39328	13.39276	12.83466	10.04979
23666	LOC11961f	1.531697	-0.9255	2.013257	-0.4597	0.64573	0.725375	2.168345	1.094824	2.782925	0	2.139111	1.004979
2004	MYC	6947.566	-0.92576	0.116222	-7.96541	1.65E-15	2.18E-14	8176.289	10620.34	8515.752	4774.52	4609.783	4988.718
1698	RNF213	31562.96	-0.92577	0.106007	-8.73307	2.48E-18	3.88E-17	39652.53	44217.19	40210.49	20923.96	19769.66	24603.91
5447	PDIK1L	178.4747	-0.92589	0.208474	-4.4413	8.94E-06	4.36E-05	249.3597	226.6285	225.417	122.767	124.0684	122.6075
3409	PODXL2	660.2724	-0.92624	0.156013	-5.93697	2.90E-09	2.26E-08	937.2673	743.9327	919.0611	464.2824	393.5964	503.4947
23641	LOC11961f	1.532585	-0.92664	2.001812	-0.4629	0.643437	0.723563	1.626259	1.642235	2.782925	0	2.139111	1.004979
2986	FAU	11776.5	-0.92668	0.143844	-6.44225	1.18E-10	1.05E-09	17402.06	11567.36	17333.45	8252.173	7792.78	8311.18
1491	CDK1	4098.434	-0.9268	0.100014	-9.26668	1.92E-20	3.42E-19	5718.469	4879.629	5512.28	2850.426	2911.33	2718.469
8766	FMN2	92.49068	-0.92697	0.291277	-3.18242	0.001461	0.004429	109.5014	139.59	115.4914	53.57105	68.45154	68.3386
12047	GRTP1	54.84683	-0.92704	0.386636	-2.39771	0.016498	0.036407	76.97626	60.76271	75.83472	40.17829	49.19955	26.12947
1624	ADAM17	7489.433	-0.92717	0.104015	-8.91386	4.93E-19	8.07E-18	9327.138	11017.76	9107.819	5191.927	4926.372	5365.585
14807	LOC11962f	31.89674	-0.92717	0.495441	-1.87141	0.061288	0.110038	48.78777	43.24553	32.00364	22.32127	29.94755	15.07469
3359	YBX1	34329.38	-0.92757	0.1551	-5.98044	2.23E-09	1.76E-08	37511.83	59477.39	38011.28	23641.89	23643.59	23870.27
1655	EFTUD2	14411.55	-0.92777	0.105031	-8.83327	1.02E-18	1.63E-17	19445.72	18941	18301.91	9640.556	8894.422	11245.72
5827	PLCG2	195.7357	-0.92792	0.217797	-4.26047	2.04E-05	9.31E-05	224.4238	285.2016	257.4206	154.0168	134.764	118.5876
4074	LOC10324f	307.058	-0.92809	0.174567	-5.31656	1.06E-07	6.90E-07	390.3022	424.2442	396.5669	183.0344	216.0502	232.1503
5952	MTURN	246.3014	-0.92826	0.221808	-4.18495	2.85E-05	0.000127	308.4471	391.3994	267.8566	145.0883	203.2155	161.8017
4320	LOC10322f	310.2294	-0.92863	0.180605	-5.14175	2.72E-07	1.68E-06	393.5547	443.4036	387.5224	207.5878	186.1026	243.205
10065	LOC11962f	65.88365	-0.92869	0.326132	-2.84759	0.004405	0.011635	83.4813	88.68071	87.66215	40.17829	47.06043	48.23901
21371	LOC11962f	5.038498	-0.9288	1.13091	-0.82128	0.411485	0.511877	7.047123	5.474118	6.957314	4.464254	4.278221	2.009959
3144	ITPA	1208.772	-0.92916	0.149265	-6.22487	4.82E-10	4.08E-09	1834.42	1313.788	1612.705	783.4766	778.6363	929.606
10495	LOC10322f	86.63839	-0.92923	0.338484	-2.74526	0.006046	0.015316	133.8953	89.22813	115.4914	53.57105	83.42532	44.2191
1787	SMIM13	1550.741	-0.92923	0.109445	-8.4904	2.06E-17	3.06E-16	2013.309	2191.289	1893.085	1091.51	1078.112	1037.139
1187	ATP10D	13847.05	-0.92964	0.091181	-10.1955	2.08E-24	4.65E-23	17824.34	19672.89	16986.28	9517.789	9279.462	9801.565
3222	CENPW	723.6138	-0.9302	0.151524	-6.13898	8.31E-10	6.85E-09	979.008	803.0531	1061.686	535.7105	506.9692	455.2557
2631	FAM76A	605.6652	-0.93025	0.134267	-6.92841	4.26E-12	4.30E-11	851.0756	760.9024	770.1746	410.7114	432.1004	409.0266
2040	ATP5ME	2322.294	-0.93028	0.117835	-7.89474	2.91E-15	3.79E-14	2754.883	3391.216	2990.253	1502.221	1745.514	1549.678
9818	SLC7A2	88.64017	-0.93039	0.320759	-2.9006	0.003725	0.010085	118.7169	123.7151	104.3597	49.10679	87.70354	48.23901
2493	BRIP1	2431.558	-0.93056	0.13029	-7.1422	9.18E-13	9.79E-12	2922.93	3812.723	2832.322	1654.006	1709.149	1658.216
18415	LOC11961f	17.90974	-0.93065	0.73739	-1.26208	0.20692	0.298706	35.7777	9.853413	25.04633	4.464254	19.252	13.06473
10942	GPR3	55.93583	-0.9307	0.352427	-2.64084	0.00827	0.020093	72.63957	70.06871	77.22618	35.71403	42.78221	37.18424
1374	ICE2	2872.955	-0.93077	0.096524	-9.64285	5.27E-22	1.02E-20	3718.712	4011.981	3576.755	1912.933	2021.46	1995.889
22531	HTR6	4.975472	-0.93129	1.4645	-0.63591	0.524835	0.619269	3.794605	4.926706	10.43597	0	10.69555	0
3459	ALKBH2	428.8416	-0.93142	0.15798	-5.89581	3.73E-09	2.87E-08	540.4601	610.3642	541.279	287.9444	267.3888	325.6133
1495	ADD1	5553.858	-0.93144	0.10059	-9.25977	2.05E-20	3.64E-19	7170.718	7673.071	7025.495	3834.794	3467.498	4151.57
3739	GLIS2	447.1221	-0.93179	0.166244	-5.60496	2.08E-08	1.48E-07	510.6454	596.1315	657.4661	283.4801	297.3364	337.6731
23720	LOC10323f	1.642315	-0.93218	2.068076	-0.45075	0.652172	0.730935	2.710432	2.737059	1.391463	0	0	3.014938
23721	LOC11962f	1.642315	-0.93218	2.068076	-0.45075	0.652172	0.730935	2.710432	2.737059	1.391463	0	0	3.014938
15830	MAN1A1	24.97855	-0.93224	0.550395	-1.69377	0.090309	0.151666	28.73058	31.20247	38.96096	22.32127	8.556443	20.09959
4671	ZSCAN10	219.0182	-0.93287	0.190226	-4.90403	9.39E-07	5.34E-06	287.8479	278.0852	297.0773	154.0168	143.3204	153.7619
1807	CSTF3	3234.253	-0.93327	0.11067	-8.43284	3.37E-17	4.96E-16	4035.833	4778.358	3926.012	2169.627	2154.084	2341.602
10273	LOC10323f	72.42782	-0.93335	0.333928	-2.79506	0.005189	0.013428	104.6227	77.73248	101.5768	62.49956	44.92132	43.21412
26697	LOC11961f	0.296651	-0.93378	3.994803	-0.23375	0.81518	NA	1.084173	0	0.695731	0	0	0
27431	CAV3	0.296651	-0.93378	3.994803	-0.23375	0.81518	NA	1.084173	0	0.695731	0	0	0
27964	LOC11962f	0.296651	-0.93378	3.994803	-0.23375	0.81518	NA	1.084173	0	0.695731	0	0	0
29044	LOC11962f	0.296651	-0.93378	3.994803	-0.23375	0.81518	NA	1.084173	0	0.695731	0	0	0
13695	LOC11962f	46.02494	-0.93384	0.451417	-2.06868	0.038576	0.074884	59.6295	82.65918	37.56949	37.94616	34.22577	24.11951
15917	LOC11962f	22.76236	-0.93417	0.555455	-1.68181	0.092605	0.154671	32.52518	25.18094	32.00364	20.08914	10.69555	16.07967
2464	MTFP1	1230.692	-0.93442	0.130184	-7.17767	7.09E-13	7.65E-12	1730.34	1382.762	1735.154	877.2259	806.4447	852.2226
11117	LOC10321f	63.88584	-0.93459	0.359575	-2.59916	0.009345	0.022346	95.4072	67.33165	86.96642	49.10679	51.33866	33.16432
7634	LOC11962f	107.3515	-0.93462	0.265956	-3.51419	0.000441	0.001536	146.9054	136.853	140.5377	60.26743	79.14709	80.39836
1723	GJA1	3259.067	-0.93464	0.107895	-8.66249	4.62E-18	7.12E-17	4085.705	4719.785	4038.721	2098.199	2216.119	2395.871
2669	DHRS13	1498.986	-0.93475	0.135943	-6.87607	6.15E-12	6.13E-11	2182.44	1767.593	1961.962	1035.707	883.4527	1162.761
2961	CARD10	6756.629	-0.93509	0.144347	-6.47803	9.29E-11	8.34E-10	9751.05	7234.047	9642.141	4470.95	3991.581	5450.004
8042	ELMO3	130.2493	-0.93537	0.274998	-3.40138	0.00067	0.002216	178.3464	130.8314	204.545	100.4457	74.86887	92.45811
2067	SLT2	1325.006	-0.93542	0.119119	-7.85286	4.07E-15	5.23E-14	1710.282	1875.98	1640.535	837.0476	896.2874	989.9048
1556	CD6C	3273.618	-0.93586	0.103191	-9.06923	1.20E-19	2.05E-18	4137.745	4708.289	4057.505	2227.663	2149.806	2360.697
2032	IQCB1	1192.568	-0.93588	0.118375	-7.90606	2.66E-15	3.48E-14	1672.879	1453.926	1573.744	861.601	755.1061	838.1529
16774	LOC10323f	17.54243	-0.93628	0.612115	-1.52958	0.126121	0.199887	23.8518	22.9913	22.2634	13.39276	10.69555	12.05975
1546	NUSAP1	5818.172	-0.9363	0.102845	-9.1039	8.71E-20	1.50E-18	7185.355	8501.853	7245.346	3843.723	3935.964	4196.794
1990	EXOSC8	1062.979	-0.93642	0.116826	-8.01551	1.10E-15	1.47E-14	1395.872	1300.65	1494.431	729.9055	712.3239	744.6898
2206													



1350	ARMCX2	2389.652	-0.9371	0.096448	-9.71609	2.57E-22	5.07E-21	3219.993	3184.295	3017.387	1671.863	1552.994	1691.38
813	LOC10324	32431.73	-0.93746	0.078116	-12.0008	3.52E-33	1.15E-31	43875.39	41451.66	42516.84	22073.5	21782.56	22890.42
5815	CUNH2orf	193.696	-0.93748	0.21971	-4.2669	1.98E-05	9.06E-05	262.9119	239.219	265.7694	107.1421	128.3466	158.7868
29251	LOC11962	0.297538	-0.93777	3.994563	-0.23476	0.814394	NA	0.542086	0.547412	0.695731	0	0	0
8038	LOC10322	118.6709	-0.93784	0.275674	-3.40199	0.000669	0.002213	156.1209	139.0426	173.2371	100.4457	57.75599	85.42325
5384	LOC10324	174.1484	-0.93794	0.209706	-4.47266	7.73E-06	3.81E-05	233.0971	232.65	221.9383	116.0706	115.512	125.6224
3343	TYW3	735.8228	-0.93799	0.15631	-6.00087	1.96E-09	1.56E-08	880.8904	1146.28	871.7514	560.2639	466.3261	489.425
2579	RAB23	739.5407	-0.93812	0.133816	-7.01051	2.37E-12	2.45E-11	956.2404	1072.927	884.9703	513.3892	511.2474	498.4698
17914	FCER2	17.8466	-0.9382	0.690606	-1.35851	0.174302	0.25867	28.18849	27.37059	14.61036	4.464254	21.39111	11.05477
22095	SPATA9	3.659888	-0.93884	1.321316	-0.71053	0.477375	0.574358	4.878777	2.737059	6.957314	2.232127	2.139111	3.014938
1956	PKP2	1851.49	-0.93886	0.116248	-8.07637	6.67E-16	9.07E-15	2326.635	2674.654	2306.349	1189.724	1225.71	1385.867
1872	AI1	1632.976	-0.93895	0.113821	-8.24937	1.59E-16	2.26E-15	2017.103	2370.293	2053.103	1149.545	1063.138	1144.672
3951	RPL34	8576.468	-0.93917	0.173629	-5.40905	6.34E-08	4.26E-07	13248.59	7498.994	13074.18	5912.904	5660.087	6064.046
2150	ATF4	21302.17	-0.93993	0.122369	-7.68111	1.58E-14	1.95E-13	24946.81	33742.46	25329.49	14560.16	14385.52	14848.57
1268	SNF8	3216.926	-0.94019	0.094596	-9.93901	2.82E-23	5.90E-22	4393.068	4270.36	4031.068	2120.521	2169.058	2317.483
2629	ADAT1	572.5158	-0.94042	0.135697	-6.93025	4.20E-12	4.25E-11	735.6112	798.6738	724.2564	406.2471	374.3444	395.9619
19808	LOC11962	8.286671	-0.94086	0.894369	-1.05198	0.292809	0.392989	11.9259	7.663765	13.2189	4.464254	6.417332	6.029877
20459	LOC10322	7.305244	-0.941	0.987966	-0.95246	0.340862	0.442925	14.09425	9.306001	5.565851	6.696381	2.139111	6.029877
9978	LOC11962	65.72878	-0.94115	0.328289	-2.86684	0.004146	0.011046	85.10756	81.56436	93.228	40.17829	47.06043	47.23404
27148	CA1	0.298426	-0.94174	3.994325	-0.23577	0.813611	NA	0	1.094824	0.695731	0	0	0
28540	TRNAR-UC	0.298426	-0.94174	3.994325	-0.23577	0.813611	NA	0	1.094824	0.695731	0	0	0
29300	LOC11962	0.298426	-0.94174	3.994325	-0.23577	0.813611	NA	0	1.094824	0.695731	0	0	0
29419	LOC11962	0.298426	-0.94174	3.994325	-0.23577	0.813611	NA	0	1.094824	0.695731	0	0	0
3332	ZNFA485	387.5607	-0.9418	0.156721	-6.00943	1.86E-09	1.49E-08	490.0461	526.6102	512.0583	243.3018	293.0582	260.2897
21551	SLC35F1	5.476304	-0.94204	1.182656	-0.79655	0.425713	0.525153	8.131296	8.758589	4.174388	2.232127	8.556443	1.004979
6758	SLC6A13	176.5096	-0.94251	0.24596	-3.83196	0.000127	0.0005	256.9489	195.426	240.0273	136.1597	139.0422	91.45313
8708	LOC11962	104.5572	-0.94252	0.29451	-3.20028	0.001373	0.004191	162.0838	102.9134	148.1908	69.19594	70.59065	74.36848
22787	LOC10322	2.991438	-0.94254	1.584415	-0.59488	0.551922	0.643936	4.878777	4.379295	2.087194	4.464254	2.139111	0
2443	RFC1	10599.46	-0.94272	0.130905	-7.20154	5.95E-13	6.48E-12	12560.14	17117.02	12156.51	7026.736	7362.819	7373.534
4359	LOC11962	1006.974	-0.94276	0.18462	-5.10646	3.28E-07	2.00E-06	1576.387	921.8415	1475.646	723.2091	667.4025	677.3562
1512	ANAPC1	9117.623	-0.94297	0.102296	-9.21812	3.02E-20	5.32E-19	11632.09	13257.77	11103.18	6149.51	5908.224	6654.974
2768	LOC11962	6799.126	-0.94305	0.139817	-6.74493	1.53E-11	1.47E-10	9030.075	7337.508	10461.71	5004.429	4954.18	4006.853
1867	TTTC39B	2217.623	-0.94313	0.114214	-8.25753	1.49E-16	2.12E-15	2865.469	3219.876	2673.696	1470.972	1439.621	1636.107
12795	CNS5A	54.64701	-0.94332	0.420983	-2.24075	0.025042	0.052034	64.50828	76.63765	71.66033	44.64254	51.33866	19.09461
3869	GMEB1	447.6991	-0.94353	0.172197	-5.47934	4.27E-08	2.93E-07	574.6116	688.6441	504.4052	325.8905	278.0844	314.5586
24488	LOC11962	0.975427	-0.94377	2.839032	-0.33243	0.739566	0.802833	1.626259	0	2.087194	0	2.139111	0
2083	PDZD8	7333.383	-0.94407	0.120668	-7.82372	5.13E-15	6.55E-14	8811.072	11415.18	8729.342	4843.716	4917.815	5283.177
2265	GPS1	4155.955	-0.9448	0.126376	-7.47612	7.65E-14	8.98E-13	5880.011	4626.177	5912.325	2714.266	2633.245	3169.705
2484	EBF1	1517.981	-0.94543	0.132202	-7.15141	8.59E-13	9.19E-12	1733.05	2329.237	1934.133	1031.243	1013.938	1066.283
7131	LMCD1	138.3703	-0.94549	0.256513	-3.68593	0.000228	0.00085	183.2252	149.9908	212.1981	89.28508	109.0946	86.42823
2331	GPATCH8	3307.842	-0.94564	0.128362	-7.36702	1.74E-13	1.99E-12	4011.981	5213.55	3839.741	2261.145	2201.145	2319.493
21795	LOC11962	4.072288	-0.94578	1.243658	-0.76048	0.446967	0.545203	5.420864	4.926706	5.565851	2.232127	4.278221	2.009959
3374	ZFP92	527.1854	-0.94589	0.158598	-5.96405	2.46E-09	1.94E-08	678.15	792.6523	612.9393	325.8905	378.6226	374.8573
2728	TNFAIP8	539.7574	-0.94619	0.138995	-6.80742	9.94E-12	9.68E-11	673.2713	743.3852	717.9948	368.301	348.675	386.9171
8931	LOC10322	84.22147	-0.94653	0.301729	-3.13702	0.001707	0.005081	106.791	102.9134	124.5359	46.87467	59.8951	64.31869
16352	RUBCNL	21.99096	-0.94668	0.593272	-1.59569	0.110558	0.179744	35.7777	24.08612	25.74206	22.32127	14.97377	9.044815
9973	DLL3	82.851	-0.94673	0.329935	-2.86945	0.004112	0.010961	120.3432	78.27989	128.0146	64.73168	53.47777	52.25893
1323	EIF3D	13433.91	-0.94691	0.096743	-9.78795	1.27E-22	2.55E-21	17237.8	19214.7	16627.28	9024.489	8697.624	9801.565
8113	EMP1	91.2252	-0.94738	0.280711	-3.37492	0.000738	0.00242	112.2119	120.978	127.3188	62.49956	62.03421	62.30873
2414	KAT8	1182.903	-0.94744	0.13066	-7.25121	4.13E-13	4.55E-12	1743.892	1360.866	1572.353	796.8693	772.219	851.2176
22591	LOC11962	3.208152	-0.94762	1.514256	-0.6258	0.531447	0.625405	3.794605	1.642235	7.653045	0	2.139111	4.019918
2697	AATF	3880.922	-0.94789	0.138623	-6.83791	8.04E-12	7.92E-11	4592.014	6286.477	4459.638	2683.017	2468.534	2795.853
2567	ECSIT	1199.705	-0.94807	0.134927	-7.02654	2.12E-12	2.19E-11	1623.007	1491.697	1636.36	763.3874	723.0194	960.7604
3874	NUDT1	507.1213	-0.94819	0.173256	-5.47277	4.43E-08	3.04E-07	694.4126	578.6143	733.3009	390.6222	275.9453	369.8324
1889	EXO1	2071.14	-0.94873	0.115431	-8.21897	2.05E-16	2.89E-15	2672.486	3029.377	2488.631	1395.079	1334.805	1506.464
2286	HMGGB3	2540.373	-0.94899	0.127501	-7.44302	9.84E-14	1.14E-12	3086.098	3974.21	2979.817	1754.452	1724.123	1723.54
15717	LOC10324	27.84645	-0.94951	0.55355	-1.71531	0.086288	0.145955	33.60935	50.36189	25.04633	29.01765	14.97377	14.06971
2578	CSTF2	792.1789	-0.94999	0.135469	-7.01261	2.34E-12	2.41E-11	1049.479	1019.281	1070.731	466.5145	539.0559	608.0126
20884	TINAGL1	6.164361	-0.95007	1.064817	-0.89224	0.372263	0.473871	11.38381	8.758589	4.174388	2.232127	6.417332	4.019918
1732	BSDC1	2909.094	-0.95023	0.110037	-8.6356	5.84E-18	8.97E-17	3975.119	3777.689	3760.428	1810.255	1890.974	2240.099
15678	LOC11962	23.53923	-0.95024	0.552019	-1.72139	0.085179	0.144437	32.52518	31.20247	28.52499	13.39276	23.53022	12.05975
1933	TMEM237	1354.9	-0.95054	0.116908	-8.13065	4.27E-16	5.87E-15	1869.656	1642.235	1849.95	845.9761	949.7651	971.8151
3888	CUNH9orf	497.3928	-0.95062	0.174207	-5.45684	4.85E-08	3.31E-07	617.4364	754.8809	591.3717	303.5693	408.5701	308.5287
1644	PHF19	2210.855	-0.95119	0.107277	-8.86666	7.54E-19	1.22E-17	2997.738	2989.416	2764.141	1470.972	1394.7	1648.166
5768	LRRN3	213.5039	-0.95123	0.221751	-4.2896	1.79E-05	8.25E-05	258.0331	332.8264	250.4633	145.0883	168.9897	125.6224
15933	LOC10323	25.12124	-0.95161	0.566964	-1.67843	0.093262	0.155595	40.11439	36.67659	22.95914	22.32127	8.556443	20.09959
1392	LADA2A	2241.638	-0.95218	0.099663	-9.55402	1.25E-21	2.38E-20	2946.239	3130.648	2792.666	1479.9	1531.603	1568.773
1675	GYG2	1194.617	-0.95233	0.108356	-8.78888	1.51E-18	2.40E-17	1593.192	1590.779	1541.741	772.3159	855.6443	814.0334
1650	RPL26	32328.03	-0.95273	0.107635	-8.85151	8.63E-19	1.39E-17	38953.78	46012.15	42915.49	23104.75	23536.63	19445.35
1493	CPSF2	5166.976	-0.95327	0.102913	-9.26288	1.99E-20	3.54E-19	6554.908	7605.74	6284.541	3522.296	3437.551	3596.822
2332	LSM6	1885.692	-0.95349	0.1295	-7.36288	1.80E-13	2.05E-12	2192.197	2825.192	2437.843	1301.33	1396.839	1160.751
23600	LOC11962	2.047488	-0.95363	2.036071	-0.46837	0.639522	0.720411	3.794605	0.547				



1935	LOC103246	831.4622	-0.95489	0.117514	-8.12571	4.45E-16	6.11E-15	1106.94	1113.436	1070.035	584.8173	549.7514	563.7935
1302	RPRD1A	2433.686	-0.95548	0.09702	-9.84825	6.98E-23	1.42E-21	3312.69	3103.278	3222.628	1678.559	1559.412	1725.55
19703	LOC119615	9.25919	-0.9556	0.893722	-1.06923	0.284964	0.384479	17.34676	10.40082	8.348776	11.16063	4.278221	4.019918
16783	LOC103220	18.44262	-0.95572	0.625274	-1.52849	0.126391	0.20021	21.14137	22.44388	28.52499	13.39276	17.11289	8.039836
1215	TRMT112	4717.488	-0.95663	0.094592	-10.1133	4.83E-24	1.06E-22	5902.778	6756.157	6020.859	3241.048	3170.162	3213.924
3759	MRM1	595.301	-0.95696	0.171361	-5.58449	2.34E-08	1.66E-07	900.4055	668.9372	794.5252	359.3724	372.2053	476.3603
1863	LGALSL	1169.172	-0.95707	0.115692	-8.27258	1.31E-16	1.87E-15	1549.283	1557.387	1530.609	779.0123	729.4367	869.3072
1621	RPL18	19924.54	-0.9572	0.107338	-8.91762	4.76E-19	7.81E-18	28344.61	22532.57	28029.63	13870.44	13172.64	13597.37
10423	LOC103241	72.23112	-0.95732	0.346676	-2.76142	0.005755	0.014679	105.7068	101.8186	79.31338	31.24978	62.03421	53.26391
11471	LOC103242	91.09967	-0.95739	0.379508	-2.52271	0.011646	0.026988	130.1007	62.95236	167.6713	60.26743	66.31243	59.29379
2223	NUP85	2632.01	-0.9575	0.126632	-7.56127	3.99E-14	4.77E-13	3898.143	3061.127	3473.091	1633.917	1719.845	2005.939
2500	LOC103248	688.7641	-0.95759	0.134223	-7.13433	9.73E-13	1.03E-11	860.8332	978.7723	888.449	502.2286	429.9612	472.3404
1390	SLC38A1	10965.31	-0.95773	0.100164	-9.56158	1.16E-21	2.22E-20	13748.94	15945.01	13744.17	7153.967	7215.22	7984.562
2278	PHC1	1253.829	-0.95788	0.128529	-7.45267	9.15E-14	1.07E-12	1540.067	1886.929	1543.132	830.3512	815.0012	907.4965
2090	DUS1L	2445.974	-0.95871	0.122787	-7.80788	5.82E-15	7.40E-14	3392.376	2954.929	3353.425	1571.417	1495.238	1908.456
6414	LOC119622	273.9688	-0.95914	0.241357	-3.97395	7.07E-05	0.000293	434.7533	263.8525	391.001	176.338	149.7377	228.1303
4508	CUNH16or	314.8192	-0.95933	0.191559	-5.00802	5.50E-07	3.24E-06	466.1943	347.6065	436.9193	205.3557	194.6591	238.1801
8819	LOC119626	90.72302	-0.96076	0.303262	-3.16808	0.001534	0.004626	98.11763	133.0211	126.6231	64.73168	70.59065	51.25395
17202	LOC103215	16.28278	-0.96078	0.654673	-1.46757	0.142222	0.219799	25.47806	15.87494	23.65487	8.928508	10.69555	13.06473
1396	MAPKAP1	4024.369	-0.96083	0.100788	-9.5332	1.53E-21	2.90E-20	5002.373	5830.483	5119.887	2799.087	2607.576	2786.808
2230	OFD1	3347.434	-0.96137	0.127345	-7.54934	4.37E-14	5.22E-13	4093.836	5281.977	3892.617	2249.984	2323.074	2243.114
20065	TRNAL-CA1	7.375096	-0.96148	0.944194	-1.01831	0.308532	0.408787	11.9259	7.116354	10.43597	4.464254	4.278221	6.029877
4181	LOC103218	253.5199	-0.96192	0.183609	-5.23897	1.61E-07	1.03E-06	330.1306	352.5332	320.0364	187.4987	171.1289	159.7917
8033	SMIM4	218.3763	-0.96215	0.282701	-3.40342	0.000665	0.002202	327.9623	175.7192	364.5632	145.0883	124.0684	172.8565
21040	LOC119627	6.229978	-0.96222	1.099866	-0.87485	0.381656	0.48224	10.84173	2.737059	11.1317	2.232127	6.417332	4.019918
2602	TICRR	1105.259	-0.96234	0.137922	-6.97746	3.01E-12	3.07E-11	1375.815	1640.593	1373.374	667.406	725.1585	849.2077
8098	LOC119628	116.5465	-0.96374	0.285045	-3.38102	0.000722	0.002371	180.5148	113.8617	168.367	78.12444	77.00798	81.40334
13405	TRNAA-AG	56.67926	-0.9638	0.453339	-2.12601	0.033503	0.066443	94.32303	37.77142	93.228	46.87467	25.66933	42.20914
1923	LOC103243	5149.012	-0.96422	0.118367	-8.14602	3.76E-16	5.20E-15	7535.001	5872.634	7024.8	3294.619	3354.126	3812.892
1467	SFXN4	1876.394	-0.96438	0.103356	-9.33063	1.05E-20	1.91E-19	2615.567	2337.448	2494.893	1241.063	1242.823	1326.573
4925	LOC103234	290.2139	-0.96457	0.203892	-4.73077	2.24E-06	1.21E-05	432.5849	300.5291	419.526	198.6593	183.9635	206.0208
7113	CTBS	117.2419	-0.96502	0.261387	-3.69191	0.000223	0.000832	151.2421	158.202	157.931	82.5887	62.03421	91.45313
2394	LOC103245	3684.786	-0.96541	0.132615	-7.27974	3.34E-13	3.71E-12	4433.724	5931.207	4256.485	2459.804	2489.925	2537.573
5410	LOC103220	260.2343	-0.96547	0.216641	-4.45655	8.33E-06	4.09E-05	400.6018	262.2103	370.8248	165.1774	179.6853	182.9063
2744	TM6SF1	669.6514	-0.96584	0.142453	-6.78006	1.20E-11	1.16E-10	978.4659	814.5488	866.8813	473.2109	406.431	478.3702
1572	MRPL38	2694.68	-0.96614	0.106806	-9.04576	1.49E-19	2.51E-18	3744.191	3378.626	3580.929	1714.274	1739.097	2010.964
21771	LOC119615	4.778982	-0.96623	1.263629	-0.76465	0.444481	0.542764	7.589209	2.737059	9.044508	0	4.278221	5.024897
1116	OGT	9217.941	-0.96627	0.092401	-10.4574	1.36E-25	3.23E-24	11977.4	12706.52	11909.53	6062.457	5893.25	6758.487
8224	LOC119624	99.43745	-0.96631	0.289369	-3.33937	0.00084	0.002714	115.4644	146.159	135.6676	58.0353	59.8951	81.40334
3196	PLCXD1	666.3569	-0.96657	0.156766	-6.16568	7.02E-10	5.84E-09	996.3547	760.355	893.3191	433.0326	408.5701	506.5097
2851	SYT10	2489.936	-0.96668	0.146266	-6.60906	3.87E-11	3.61E-10	2929.977	4128.58	2824.669	1687.488	1651.393	1717.51
1411	ENTR1	1937.954	-0.96676	0.101883	-9.48898	2.33E-21	4.40E-20	2632.371	2511.525	2554.03	1214.277	1332.666	1382.852
1216	RPS2	67933.98	-0.96707	0.095659	-10.1096	5.01E-24	1.10E-22	92894.63	82372.34	94401.01	46399.22	42713.76	48822.91
1341	LRRC59	10961.56	-0.96766	0.099362	-9.73875	2.06E-22	4.09E-21	14181.52	15870.56	13472.14	7272.27	7052.648	7920.243
2556	TFAP4	655.1932	-0.96782	0.137496	-7.03894	1.94E-12	2.01E-11	904.2001	802.5057	896.102	473.2109	397.8746	457.2657
15160	LOC103215	34.78031	-0.96791	0.536547	-1.80397	0.071236	0.124922	46.61943	67.33165	22.95914	29.01765	25.66933	17.08465
2312	PAFAH2	803.2035	-0.96811	0.1309	-7.39576	1.41E-13	1.62E-12	1117.782	976.0353	1098.56	493.3001	564.7252	568.8184
1355	SH3RF1	2372.889	-0.96827	0.099788	-9.70323	2.92E-22	5.73E-21	3015.626	3362.203	3047.303	1562.489	1591.498	1658.216
1724	WDHD1	3436.282	-0.96836	0.111805	-8.66117	4.67E-18	7.20E-17	4425.051	5079.982	4145.168	2216.502	2254.623	2496.369
6828	LOC103220	179.0229	-0.96863	0.254379	-3.80781	0.00014	0.000546	190.2723	295.6024	221.9383	140.624	126.2075	99.49273
19764	DNASE2B	8.75591	-0.9691	0.915001	-1.05912	0.289545	0.389473	14.63633	10.40082	9.044508	11.16063	4.278221	3.014938
7235	LOC103246	327.1493	-0.96916	0.265051	-3.65648	0.000256	0.00094	526.908	253.4517	521.1028	189.7308	222.4675	249.2349
691	RPL12	39993.55	-0.96917	0.075295	-12.8717	6.50E-38	2.50E-36	52360.66	52334.76	54132.77	27479.72	26991.3	26662.11
4208	HAUS3	533.4153	-0.96929	0.186011	-5.21091	1.88E-07	1.19E-06	609.8472	899.3976	607.3735	357.1403	385.0399	341.693
7670	AKAP3	107.5553	-0.9694	0.276719	-3.50318	0.00046	0.001593	138.7741	152.7279	133.5804	66.96381	91.98176	61.30375
13453	LOC119627	46.4589	-0.96957	0.458087	-2.11657	0.034297	0.067775	75.35001	37.224	73.74753	24.5534	25.66933	42.20914
11643	TXNDC17	1378.957	-0.96977	0.390266	-2.4849	0.012959	0.02959	2239.901	955.781	2281.999	908.4757	902.7047	984.8799
13837	LOC119627	39.19855	-0.97031	0.475141	-2.04215	0.041136	0.079035	69.38706	46.53	41.74388	20.08914	19.252	38.18922
1826	LOC103247	1501.978	-0.97033	0.11579	-8.38008	5.29E-17	7.70E-16	2109.258	2042.393	1815.859	1071.421	934.7914	1038.144
2041	MKS1	962.4643	-0.97068	0.123	-7.89173	2.98E-15	3.88E-14	1354.132	1186.789	1287.799	624.9956	624.6203	696.4508
2046	TGM2	2924.989	-0.97076	0.123069	-7.88794	3.07E-15	3.99E-14	3686.187	4149.929	3795.215	1921.861	1713.428	2283.313
9353	EMID1	87.81419	-0.97099	0.321726	-3.01805	0.002544	0.007231	128.4745	93.60742	124.5359	58.0353	77.00798	45.22408
1758	PUM1	6672.416	-0.97136	0.113251	-8.57701	9.74E-18	1.47E-16	8417.517	10011.61	8088.573	4566.932	4119.927	4829.931
2526	YEATS4	922.8072	-0.97149	0.13709	-7.08655	1.38E-12	1.45E-11	1108.025	1325.284	1226.574	660.7096	669.5416	546.7088
11540	LOC119627	57.09057	-0.9715	0.387763	-2.50538	0.012232	0.028179	74.80792	71.16354	83.48776	22.32127	38.50399	52.25893
8397	LOC119626	90.33369	-0.97297	0.296398	-3.28265	0.001028	0.003254	124.1378	114.4091	122.4487	64.73168	44.92132	71.35354
2453	RPS16	17306.4	-0.97342	0.135289	-7.19517	6.24E-13	6.76E-12	17715.38	24700.86	26383.53	11665.1	11713.77	11659.77
14386	LOC103234	32.11466	-0.97352	0.500076	-1.94675	0.051565	0.095291	47.7036	47.62483	33.39511	11.16063	25.66933	27.13445
18778	LOC103246	11.26296	-0.97356	0.79713	-1.22133	0.221961	0.314225	14.63633	14.78012	14.61036	6.696381	12.83466	4.019918
6291	CCDC122	170.1273	-0.97385	0.241637	-4.03023	5.57E-05	0.000235	190.2723	277.5378	207.3279	118.3027	119.7902	107.5328
1845	SPATA5	1178.901	-0.97403	0.									



13171	PYY	36.33131	-0.97494	0.447942	-2.17649	0.029519	0.059582	40.11439	45.43518	59.13717	26.78552	21.39111	25.12449
1330	LOC10324	2110.589	-0.97505	0.099811	-9.76901	1.53E-22	3.05E-21	2831.317	2932.485	2631.256	1381.687	1439.621	1447.17
22638	LOC11962	3.052073	-0.97527	1.579526	-0.61744	0.536942	0.63056	2.710432	2.737059	6.261582	4.464254	2.139111	0
12888	NEFL	47.02969	-0.97545	0.439206	-2.22093	0.026356	0.054365	65.05036	59.66789	59.8329	33.4819	47.06043	17.08465
2734	LUC7L3	8930.923	-0.97551	0.14342	-6.80181	1.03E-11	1.00E-10	10049.74	15045.61	10424.84	5950.851	6149.943	5964.553
7808	LOC10323	105.2624	-0.97571	0.281717	-3.46343	0.000533	0.001816	127.9324	160.3917	128.7103	87.05295	64.17332	63.31371
22154	HCRT	3.145413	-0.97588	1.396247	-0.69893	0.484593	0.581516	4.336691	3.284471	4.87012	2.232127	2.139111	2.009959
8016	LOC10322	138.6982	-0.97603	0.286444	-3.40741	0.000656	0.002175	223.3396	133.5685	193.4133	118.3027	79.14709	84.41828
6887	LOC11962	205.938	-0.9761	0.258171	-3.78082	0.000156	0.000603	205.4507	367.3133	245.5932	129.4634	156.1551	131.6523
1519	RBFA	2297.002	-0.97627	0.106396	-9.17585	4.48E-20	7.84E-19	2964.128	3333.738	2842.063	1484.364	1565.829	1591.887
20164	LOC11962	7.517876	-0.97686	0.975481	-1.00141	0.316628	0.417454	13.55216	6.568942	10.43597	2.232127	4.278221	8.039836
4817	LOC11962	788.9117	-0.97722	0.203533	-4.80126	1.58E-06	8.70E-06	1228.91	684.8122	1225.183	520.0856	551.8906	522.5893
8726	LOC10323	271.3091	-0.97753	0.306008	-3.19447	0.001401	0.004268	226.05	576.9721	277.5968	174.1059	171.1289	202.0009
11509	LOC10324	52.77099	-0.97779	0.389198	-2.51232	0.011994	0.027704	72.09749	68.97389	68.87741	49.10679	21.39111	36.17926
11949	LOC10322	54.52942	-0.97785	0.405035	-2.41424	0.015768	0.035082	53.12446	100.7238	62.61582	40.17829	36.36488	34.1693
1726	HSPA9	39255.32	-0.97826	0.113064	-8.65226	5.05E-18	7.78E-17	48744.41	60856.32	46632.79	26042.23	25705.69	27550.51
11108	LOC10324	55.36584	-0.97856	0.375869	-2.60347	0.009229	0.022087	72.63957	88.1333	58.44144	40.17829	40.6431	32.15934
1859	DKC1	3684.542	-0.97861	0.118182	-8.28055	1.23E-16	1.75E-15	4641.343	5591.812	4436.679	2493.286	2290.988	2653.146
2000	TWINK	1630.774	-0.97868	0.122519	-7.98794	1.37E-15	1.82E-14	2115.221	2355.513	2028.753	1017.85	1033.19	1234.115
11166	LOC11962	67.09488	-0.97885	0.378269	-2.5877	0.009662	0.023004	111.1277	57.47824	98.09812	40.17829	53.47777	42.20914
4071	LOC10322	259.3219	-0.97898	0.184084	-5.31813	1.05E-07	6.85E-07	317.1205	348.7013	365.9547	189.7308	162.5724	171.8515
8639	LOC10324	97.19647	-0.979	0.304256	-3.2177	0.001292	0.003977	115.4644	154.3701	119.6658	49.10679	64.17332	80.39836
16918	MZB1	16.26163	-0.98001	0.65179	-1.50357	0.132693	0.208513	27.10432	20.25424	17.39328	8.928508	12.83466	11.05477
6449	LOC10323	147.4151	-0.98035	0.24753	-3.96054	7.48E-05	0.000308	205.4507	203.0898	174.6286	113.8385	109.0946	78.3884
5907	LOC11962	488.2866	-0.98041	0.232995	-4.20787	2.58E-05	0.000116	808.7929	401.2529	735.3881	334.819	303.7537	345.7129
6236	FAAP24	135.3582	-0.98072	0.241659	-4.05829	4.94E-05	0.000211	174.5518	185.5726	181.5859	80.35657	85.56443	104.5179
5149	LOC10324	180.3885	-0.98185	0.213285	-4.60345	4.16E-06	2.15E-05	237.9759	257.2836	224.0255	129.4634	106.9555	126.6274
2106	MB21D2	871.3999	-0.9819	0.126011	-7.79221	6.58E-15	8.31E-14	1209.395	1164.892	1102.734	564.7281	545.4732	641.1769
12109	LOC11962	44.10172	-0.98194	0.411836	-2.3843	0.017112	0.037566	58.54533	64.04718	52.17985	40.17829	23.53022	26.12947
2722	LOC10322	6936.85	-0.98213	0.144158	-6.81291	9.56E-12	9.34E-11	9894.16	6988.259	10748.35	4854.876	4680.374	4455.074
3543	SNRPD2	5196.33	-0.98232	0.169053	-5.81076	6.22E-09	4.67E-08	7887.899	4717.048	8096.922	3446.404	3426.855	3602.851
700	RPL4	59049.73	-0.98279	0.076614	-12.8277	1.15E-37	4.36E-36	80010.32	77731.93	77521.17	39392.58	38679.4	40962.96
18592	LOC11961	14.43421	-0.98287	0.795015	-1.2363	0.216349	0.309361	23.8518	7.116354	27.13352	11.16063	4.278221	13.06473
5531	SPRY1	156.2471	-0.98305	0.223419	-4.40001	1.08E-05	5.20E-05	210.8716	195.9734	216.3725	111.6063	94.12087	108.5378
9954	TRNAS-AG	62.8243	-0.98359	0.342255	-2.87385	0.004055	0.01083	85.10756	74.99542	89.05362	42.41041	49.19955	36.17926
1375	DHDDS	8023.043	-0.98399	0.10207	-9.64031	5.40E-22	1.04E-20	10691.57	9620.215	11656.28	5495.497	5589.496	5085.196
20138	TRPV2	7.717916	-0.98424	0.978582	-1.00579	0.314519	0.415209	7.589209	10.94824	11.82743	2.232127	10.69555	3.014938
8799	STK31	92.03222	-0.98443	0.310061	-3.17495	0.001499	0.004528	149.0738	106.7453	111.317	46.87467	74.86887	63.31371
1362	ILF2	6454.782	-0.98464	0.101712	-9.68071	3.64E-22	7.11E-21	8041.851	9607.077	8076.745	4321.398	4404.429	4277.193
5252	LOC10323	211.3559	-0.98465	0.216301	-4.55221	5.31E-06	2.69E-05	268.3328	314.7618	255.3334	149.5525	162.5724	117.5826
3373	RDM1	363.1712	-0.98486	0.165125	-5.96437	2.46E-09	1.94E-08	486.2515	474.606	486.3162	279.0159	209.6328	243.205
15036	LOC11962	34.05107	-0.98541	0.539543	-1.82637	0.067794	0.119866	57.46116	22.44388	57.04997	20.08914	17.11289	30.14938
14307	CLEC2D	30.92589	-0.98552	0.502861	-1.95982	0.050017	0.092941	34.15144	39.96106	48.00546	31.24978	17.11289	15.07469
7717	LOC10324	145.5253	-0.98552	0.282508	-3.48848	0.000486	0.001674	169.673	253.9991	153.7566	109.3742	106.9555	79.39338
3269	LOC11962	738.982	-0.98573	0.162241	-6.07573	1.23E-09	1.00E-08	835.8972	1156.681	948.2819	537.9426	521.943	433.1462
5579	LOC10323	358.4543	-0.98613	0.22505	-4.38181	1.18E-05	5.61E-05	368.0766	636.0925	422.3089	252.2303	260.9715	211.0457
17013	LOC11962	16.34686	-0.98621	0.661596	-1.49065	0.136055	0.212603	29.81475	15.87494	19.48048	11.16063	10.69555	11.05477
2545	CNTNAP1	534.6035	-0.98659	0.139693	-7.06256	1.63E-12	1.71E-11	691.1601	728.0577	711.0375	337.0512	393.5964	346.7179
14349	LOC10324	37.03599	-0.98673	0.505329	-1.95265	0.050862	0.094233	67.21871	25.72836	54.96278	26.78552	21.39111	26.12947
5649	LOC10321	154.399	-0.98694	0.22705	-4.3468	1.38E-05	6.50E-05	219.0029	210.7535	187.1517	102.6778	96.25998	110.5477
1336	LOC10321	2962.116	-0.98704	0.101193	-9.75405	1.77E-22	3.53E-21	3974.577	4100.114	3746.513	1857.13	1948.73	2145.631
16300	SUSD2	17.78125	-0.98716	0.614426	-1.60663	0.108135	0.176367	23.30971	23.53871	23.65487	11.16063	14.97377	10.04979
9331	LOC10322	2461.148	-0.98742	0.326573	-3.02358	0.002498	0.007117	3970.783	1944.954	3900.966	1640.613	1550.855	1758.714
13326	CDHR1	47.95918	-0.98786	0.46098	-2.14296	0.032116	0.064071	57.46116	60.76271	70.26887	42.41041	42.78221	14.06971
15748	LOC11962	22.85681	-0.98803	0.578467	-1.70802	0.087633	0.147877	27.6464	39.41365	24.3506	20.08914	8.556443	17.08465
3246	IER2	2185.203	-0.98813	0.161917	-6.10267	1.04E-09	8.54E-09	3369.067	2165.561	3187.145	1417.401	1336.944	1635.102
1505	SLC12A2	2271.181	-0.98814	0.106962	-9.23827	2.51E-20	4.43E-19	2989.606	3277.902	2796.84	1470.972	1488.821	1602.942
15667	LOXL4	22.36284	-0.9882	0.573698	-1.72251	0.084977	0.144177	31.44101	28.46541	28.52499	11.16063	23.53022	11.05477
13666	SLIT1	56.90636	-0.98854	0.476405	-2.075	0.037986	0.073896	63.42411	71.16354	89.74935	35.71403	66.31243	15.07469
1289	CTBP1	4342.85	-0.98859	0.099979	-9.88801	4.69E-23	9.68E-22	6023.122	5338.907	5970.767	2886.14	2733.783	3104.382
22974	LOC10324	2.570977	-0.98867	1.73927	-0.56844	0.569735	0.659256	5.420864	0.547412	4.174388	0	4.278221	1.004979
15724	PLAAT2	21.08372	-0.98873	0.577038	-1.71347	0.086627	0.146471	35.7777	24.63353	23.65487	13.39276	14.97377	14.06971
15927	CPLX1	19.85967	-0.98927	0.588896	-1.67987	0.092982	0.155212	23.30971	27.37059	27.82925	15.62489	14.97377	10.04979
2168	MRPL2	963.4116	-0.98989	0.129173	-7.66334	1.81E-14	2.22E-13	1323.233	1150.112	1375.461	647.3168	598.951	685.396
2496	LOC10323	663.2342	-0.99014	0.138664	-7.14054	9.30E-13	9.90E-12	982.8026	820.5703	841.835	446.4254	455.6306	432.1412
17021	LOC11962	19.93806	-0.99051	0.66489	-1.48974	0.136293	0.212795	40.65648	13.6853	25.04633	8.928508	19.252	12.05975
16129	LOC10323	18.37576	-0.99081	0.603981	-1.64046	0.100909	0.166325	26.02015	24.08612	22.95914	11.16063	14.97377	11.05477
1570	RPLP1	20222.05	-0.99109	0.109505	-9.05061	1.42E-19	2.41E-18	28118.56	23162.64	29442.66	14033.38	12706.32	13868.72
2762	TRMT10A	577.5556	-0.99115	0.146752	-6.75389	1.44E-11	1.39E-10	783.8569	826.5918	697.8186	343.7476	404.2919	409.0266
2948	TMEM129	1260.885	-0.99154	0.152787	-6.48965	8.60E-11	7.76E-10	1855.562	1363.603	1818.642	883.9223	723.0194	920.5612
1025	TFAM	2579.984	-0.99174	0.0910									



11646	SOX11	78.01587	-0.99314	0.400092	-2.48228	0.013054	0.0298	89.44425	126.4521	92.53227	49.10679	83.42532	27.13445
2002	CSNK2A2	1317.426	-0.99336	0.124517	-7.97767	1.49E-15	1.98E-14	1615.959	1976.704	1672.538	832.5834	879.1745	927.5961
2095	TADA2B	846.9821	-0.9946	0.127448	-7.80398	6.00E-15	7.61E-14	1192.048	1078.949	1118.736	546.8711	526.2212	619.0674
16242	LOC103221	20.60934	-0.99473	0.614697	-1.61824	0.10561	0.172863	20.0572	31.74989	29.91645	22.32127	8.556443	11.05477
4614	SCARF2	534.2932	-0.99496	0.201506	-4.93761	7.91E-07	4.56E-06	783.8569	526.0628	826.5289	401.7829	286.6408	380.8872
16637	LOC103234	18.78363	-0.99511	0.641329	-1.55164	0.120749	0.192949	21.68345	27.37059	26.43779	17.85702	4.278221	15.07469
3910	LOC103224	266.8038	-0.99559	0.183122	-5.43673	5.43E-08	3.69E-07	327.4202	384.8305	354.1273	165.1774	190.3808	178.8863
2328	TTK	1074.377	-0.99584	0.135081	-7.3722	1.68E-13	1.92E-12	1293.418	1631.835	1367.112	669.6381	780.7754	703.4856
1377	SPDL1	2499.904	-0.99595	0.103493	-9.62333	6.37E-22	1.23E-20	3222.703	3626.603	3137.748	1662.935	1728.401	1621.032
1248	LMNB2	8865.839	-0.99621	0.099467	-10.0155	1.30E-23	2.78E-22	11844.05	11686.15	11913.7	5850.405	5339.22	6561.511
1537	OTUD3	1894.472	-0.99621	0.108985	-9.14082	6.20E-20	1.07E-18	2620.988	2651.115	2302.871	1256.687	1208.598	1326.573
1402	LOC103221	7424.72	-0.99701	0.10471	-9.52162	1.70E-21	3.23E-20	10238.93	8765.158	10669.04	5178.535	5020.493	4676.169
1049	RUVBL1	4732.462	-0.99718	0.092629	-10.7653	5.02E-27	1.27E-25	6231.825	6538.287	6150.265	3296.852	2928.443	3249.099
24363	LOC119620	1.001035	-0.99727	2.831006	-0.35227	0.724637	0.790727	1.084173	0	2.782925	0	2.139111	0
2353	RAVER2	1996.982	-0.99748	0.135956	-7.33681	2.19E-13	2.47E-12	2429.631	3186.484	2368.27	1241.063	1394.7	1361.747
4004	LOC119620	1970.741	-0.99772	0.185741	-5.37157	7.81E-08	5.18E-07	2892.573	1760.476	3225.411	1433.026	1223.571	1289.389
18949	LOC119621	9.934679	-0.99793	0.835344	-1.19463	0.232232	0.325816	11.9259	11.49565	16.00182	4.464254	10.69555	5.024897
1722	ZNF516	896.7837	-0.99851	0.115257	-8.6634	4.58E-18	7.07E-17	1181.206	1233.866	1169.524	609.3707	596.8119	589.9229
2059	SOC53	1151.561	-0.99853	0.126843	-7.87214	3.49E-15	4.50E-14	1603.491	1395.353	1612.705	749.9947	701.6283	846.1927
4275	HIST1H2AI	2595.706	-0.99874	0.193063	-5.17313	2.30E-07	1.43E-06	3908.985	2191.837	4278.052	1819.183	1721.984	1654.196
1152	ZPR1	3890.417	-0.99882	0.096885	-10.3093	6.39E-25	1.48E-23	4935.154	5606.044	5020.398	2533.464	2554.098	2693.345
1313	CEP85	3094.548	-0.9991	0.101829	-9.81157	1.00E-22	2.03E-21	4111.183	4288.972	3984.454	2022.307	1910.226	2250.149
2403	EPHB4	1433.853	-0.99973	0.137544	-7.26845	3.64E-13	4.02E-12	2137.447	1631.287	1972.398	935.2612	868.4789	1058.243
16526	LOC119620	17.65394	-0.99987	0.636671	-1.57047	0.116307	0.187109	16.80468	26.27577	27.82925	13.39276	8.556443	13.06473
15162	LOC103240	26.79828	-0.99995	0.554432	-1.80355	0.071302	0.125021	45.53526	25.72836	35.4823	11.16063	27.80844	15.07469
16127	LOC119621	21.59069	-1.00004	0.609487	-1.64079	0.100841	0.166234	24.39389	19.70683	41.74388	13.39276	19.252	11.05477
22613	LOC103221	3.040676	-1.00083	1.607043	-0.62278	0.53343	0.6271	5.96295	4.379295	1.391463	2.232127	4.278221	0
3052	L3MBTL3	677.6828	-1.001	0.157963	-6.3369	2.34E-10	2.04E-09	793.0724	1080.591	838.3563	426.3363	468.4652	459.2756
17559	LOC103233	18.92427	-1.00119	0.712231	-1.40572	0.159809	0.241957	35.7777	9.306001	29.91645	13.39276	17.11289	8.039836
2685	THAP10	630.1909	-1.00188	0.146186	-6.85346	7.21E-12	7.14E-11	762.1734	948.1173	808.4399	437.4969	429.9612	394.9569
12356	LOC119621	62.74291	-1.00201	0.429897	-2.33082	0.019763	0.042522	98.65972	50.9093	103.664	42.41041	23.53022	57.28383
8881	GALC	75.25301	-1.0021	0.318292	-3.14837	0.001642	0.004915	91.6126	101.8186	106.4469	62.49956	44.92132	44.2191
11240	KHLH31	50.26175	-1.00295	0.389827	-2.5728	0.010088	0.02386	55.8349	73.35318	71.66033	26.78552	42.78221	31.15436
2894	EHD3	481.8088	-1.00297	0.152949	-6.55758	5.47E-11	5.02E-10	627.736	714.3724	588.5887	308.0335	314.4493	337.6731
15097	LOC103233	22.67641	-1.00346	0.552372	-1.81663	0.069274	0.121986	33.60935	26.82318	29.91645	13.39276	19.252	13.06473
18819	LAMC3	10.9887	-1.00364	0.825898	-1.21521	0.224288	0.316862	10.84173	12.59047	20.17621	4.464254	12.83466	5.024897
24113	DEFB136	1.001922	-1.00406	2.584349	-0.38852	0.697635	0.769122	0.542086	0.547412	2.782925	0	2.139111	0
24114	LOC119621	1.001922	-1.00406	2.584349	-0.38852	0.697635	0.769122	0.542086	0.547412	2.782925	0	2.139111	0
24329	LOC119621	1.008893	-1.00437	2.809045	-0.35755	0.72068	0.87516	1.084173	2.737059	0	2.232127	0	0
23313	LOC119621	2.019145	-1.00455	1.963271	-0.51167	0.608882	0.694352	2.168345	2.189647	3.478657	0	4.278221	0
20055	LOC103233	7.433626	-1.0049	0.98544	-1.01975	0.307849	0.408086	8.131296	5.474118	16.00182	6.696381	4.278221	4.019918
11084	LOC119619	47.33474	-1.00499	0.385166	-2.60924	0.009074	0.021765	70.47123	59.12048	59.8329	33.4819	29.94755	31.15436
1298	ARL6IP6	2058.052	-1.00515	0.101888	-9.86522	5.89E-23	1.21E-21	2701.758	2766.619	2765.532	1457.579	1392.561	1264.264
17537	LOC103221	13.73204	-1.00526	0.712821	-1.41026	0.158462	0.240205	14.09425	19.15941	21.56767	6.696381	12.83466	8.039836
1436	PDS5A	12045.12	-1.00537	0.106722	-9.42042	4.49E-21	8.32E-20	15194.14	18288.48	14762.03	7821.373	7779.945	8424.743
4249	SDHAF3	316.5216	-1.00575	0.193847	-5.18838	2.12E-07	1.33E-06	447.2213	339.9427	481.4461	216.5163	198.9373	215.0656
7695	NES	131.3945	-1.0061	0.287822	-3.49556	0.000473	0.001634	162.0838	189.4045	171.1499	80.35657	124.0684	61.30375
10965	RNF43	71.20661	-1.00662	0.381841	-2.63623	0.008383	0.020326	89.98634	89.77554	102.9682	78.12444	34.22577	32.15934
4216	MSX1	248.5065	-1.00663	0.193303	-5.20751	1.91E-07	1.21E-06	312.7838	369.503	311.6877	185.2665	154.016	157.7818
3430	LOC119621	5205.896	-1.00727	0.170216	-5.9176	3.27E-09	2.53E-08	8371.982	4886.745	7604.344	3390.601	3114.545	3867.161
19100	LOC103220	9.392822	-1.00768	0.861407	-1.16981	0.242078	0.336944	13.01007	10.94824	13.2189	4.464254	10.69555	4.019918
6793	LOC103221	193.7878	-1.00838	0.264004	-3.81955	0.000134	0.000523	343.1407	182.2881	250.4633	129.4634	134.764	122.6075
1184	RP511	50448.06	-1.00934	0.098868	-10.2089	1.81E-24	4.06E-23	72627.11	59249.67	70349.57	33611.37	33680.3	33170.35
13161	TRNAG-CC	38.23027	-1.00984	0.463548	-2.17851	0.029368	0.059324	43.909	62.95236	45.22254	37.94616	19.252	20.09959
2848	CEP95	1113.166	-1.01051	0.152722	-6.61669	3.67E-11	3.43E-10	1359.011	1780.731	1322.585	660.7096	836.3923	719.5653
1637	LSM5	1713.943	-1.01072	0.113812	-8.88033	6.67E-19	1.08E-17	2302.783	2061.005	2508.807	1127.224	1157.259	1126.582
1527	LAP3	2909.815	-1.01107	0.110383	-9.15971	5.20E-20	9.06E-19	3981.082	4107.778	3588.582	1879.451	1775.462	2126.537
16518	LOC119621	24.26449	-1.01111	0.643331	-1.57168	0.116025	0.186732	27.10432	54.19377	15.30609	13.39276	23.53022	12.05975
2884	SLAIN1	569.9404	-1.01117	0.153914	-6.56972	5.04E-11	4.65E-10	692.2443	882.4278	712.4289	370.5331	370.0661	391.942
1994	NEO1	7258.157	-1.01122	0.126288	-8.00728	1.17E-15	1.56E-14	8788.846	11645.64	8677.162	4633.896	4691.07	5112.331
11358	LOC119619	47.47525	-1.01144	0.397206	-2.54639	0.010884	0.02548	70.47123	56.38342	64.00729	22.32127	38.50399	33.16432
16150	LOC119621	21.42247	-1.01158	0.617811	-1.63736	0.101554	0.167172	23.30971	30.65506	30.61218	13.39276	23.53022	7.034856
13067	KCNH4	39.6705	-1.0119	0.461239	-2.19387	0.028245	0.057472	54.20864	39.41365	64.70302	20.08914	38.50399	21.10457
2162	BBS10	639.8147	-1.01192	0.131999	-7.66617	1.77E-14	2.18E-13	904.7422	821.1177	839.052	410.7114	449.2132	414.0515
12249	PNMA3	51.67739	-1.01265	0.429788	-2.35615	0.018465	0.040077	58.54533	66.78424	79.31338	42.41041	44.92132	18.08963
9043	KCNJ1	72.42234	-1.01341	0.326828	-3.10074	0.00193	0.005675	82.93921	103.4608	102.9682	58.0353	44.92132	42.20914
13342	LOC103220	35.82067	-1.01364	0.473832	-2.13923	0.032417	0.064593	41.74065	49.26706	50.78839	31.24978	27.80844	14.06971
15801	SLC6A3	24.23745	-1.01382	0.59593	-1.70124	0.088898	0.14957	38.48813	22.44388	34.78657	24.5534	17.11289	8.039836
11239	DLX4	50.5221	-1.01422	0.394199	-2.57286	0.010086	0.023858	54.75072	83.75401	63.31155	37.94616	34.22577	29.1444
2854	LURAP1L	394.2523	-1.01438	0.153536	-6.60677	3.93E-11	3.66E-10	519.3187	540.8429	519.0156	279.0159	263.1106	244.21
1662	SGTB	2888.407	-1.01444</										



12682	LOC103236	36.6843	-1.01549	0.448645	-2.26345	0.023608	0.049489	46.61943	58.02565	43.83108	20.08914	21.39111	30.14938
13558	LOC119627	44.87172	-1.01582	0.484296	-2.09752	0.035948	0.070488	71.5554	35.58177	74.44326	33.4819	14.97377	39.1942
1585	PIGG	1496.016	-1.01597	0.112783	-9.00812	2.10E-19	3.52E-18	2121.184	1903.898	1987.705	915.1721	981.8518	1066.283
1370	NUP210	4163.795	-1.01602	0.105309	-9.64802	5.01E-22	9.72E-21	5748.826	5296.757	5681.342	2720.963	2487.786	3047.098
9860	LOC119626	63.25046	-1.01611	0.351497	-2.89079	0.003843	0.010361	76.43418	73.35318	104.3597	44.64254	38.50399	42.20914
4402	SNRPB	6991.597	-1.0164	0.200077	-5.08005	3.77E-07	2.28E-06	11419.59	5604.95	11050.3	4486.575	4355.229	5032.937
11982	LOC119628	42.88324	-1.0184	0.422721	-2.40915	0.01599	0.035471	71.5554	45.43518	55.65851	24.5534	29.94755	30.14938
7692	BAAT	88.45688	-1.01895	0.291448	-3.49617	0.000472	0.001631	119.259	127.547	107.1426	62.49956	62.03421	52.25893
3872	LEPR	286.2187	-1.01902	0.18616	-5.47391	4.40E-08	3.02E-07	429.8745	385.9253	335.3425	187.4987	179.6853	198.9859
1733	TRMT11	820.1872	-1.01904	0.118075	-8.63039	6.11E-18	9.38E-17	1072.789	1132.048	1089.515	544.639	545.4732	536.659
2624	CPSF4	3439.925	-1.01913	0.146781	-6.94322	3.83E-12	3.88E-11	5179.093	3772.215	4876.381	2296.859	1908.087	2606.917
1440	HIST2H2AC	9597.934	-1.0192	0.108358	-9.40583	5.16E-21	9.53E-20	11723.16	13620.15	13207.76	6682.988	6746.755	5606.78
23758	LOC119627	1.227608	-1.01953	2.296778	-0.4439	0.657117	0.735327	1.626259	1.642235	2.087194	0	0	2.009959
15300	LOC119625	20.70993	-1.01956	0.57298	-1.77939	0.075175	0.130623	26.56223	26.82318	29.22072	15.62489	14.97377	11.05477
21617	LOC119627	4.329248	-1.01957	1.29348	-0.78824	0.430558	0.529508	8.131296	3.284471	6.261582	0	4.278221	4.019918
20939	LOC103215	4.945479	-1.01961	1.150012	-0.88661	0.375291	0.47673	7.047123	7.663765	5.565851	2.232127	2.139111	5.024897
6655	LOC103245	122.5089	-1.01965	0.263118	-3.87525	0.000107	0.000425	160.9997	180.6459	150.9737	95.98146	62.03421	84.41828
22072	LOC119627	3.703886	-1.01982	1.428889	-0.71372	0.475402	0.572661	5.420864	4.926706	4.174388	6.696381	0	1.004979
17843	LOC119626	13.90824	-1.01995	0.74474	-1.36954	0.17083	0.254527	26.56223	10.94824	18.08902	13.39276	6.417332	8.039836
1943	LOC103224	1066.603	-1.02005	0.125808	-8.10797	5.15E-16	7.04E-15	1382.32	1355.392	1542.436	716.5128	765.8016	637.157
9599	LOC103247	1842.036	-1.0204	0.344563	-2.96144	0.003062	0.00848	2954.913	1426.008	3022.257	1290.169	1101.642	1257.229
19664	FAR2	7.923063	-1.02087	0.948716	-1.07605	0.281904	0.381124	7.047123	13.13788	11.1317	8.928508	4.278221	3.014938
5086	LOC119626	186.4174	-1.02091	0.220024	-4.63999	3.48E-06	1.82E-05	261.2856	217.8699	268.5523	142.8561	113.3729	114.5677
24495	LOC119618	0.760798	-1.021	3.078553	-0.33165	0.740154	0.803307	2.168345	0	1.391463	0	0	1.004979
1757	PSD3	2068.237	-1.02113	0.119049	-8.57733	9.71E-18	1.47E-16	2742.415	2969.709	2609.688	1350.437	1208.598	1528.574
10968	LOC119628	121.8718	-1.02188	0.387672	-2.63594	0.00839	0.020337	103.5385	276.9904	108.5341	98.21359	70.59065	73.3635
4623	FLACC1	203.9832	-1.02208	0.207199	-4.93284	8.10E-07	4.66E-06	272.1274	289.5808	256.0291	158.481	124.0684	123.6125
1840	NSA2	10897.77	-1.02294	0.122671	-8.33892	7.50E-17	1.08E-15	12895.69	17455.87	13466.58	7267.805	7420.575	6880.089
1764	NFASC	1547.398	-1.02305	0.119516	-8.55994	1.13E-17	1.70E-16	1939.043	2336.354	1948.744	1033.475	977.5736	1049.199
3103	LOC103236	45579.96	-1.02368	0.163134	-6.27509	3.49E-10	2.99E-09	66561.7	42719.47	74030.69	30868.08	31592.53	27707.28
9836	LOC119627	60.07766	-1.0247	0.353585	-2.89801	0.003755	0.01015	80.77087	88.68071	73.74753	37.94616	32.08666	47.23404
3115	LOC119615	500.3662	-1.02481	0.163617	-6.26347	3.77E-10	3.21E-09	635.8673	788.273	588.5887	334.819	323.0057	331.6432
1622	PFAS	4245.036	-1.02516	0.11497	-8.91677	4.80E-19	7.87E-18	6085.462	5251.869	5750.916	2776.766	2470.673	3134.531
10766	AGT	53.74479	-1.0252	0.383101	-2.76706	0.007449	0.018395	83.4813	60.76271	70.26887	40.17829	40.6431	27.13445
10771	KCNK13	61.15142	-1.02565	0.383486	-2.67453	0.007483	0.01847	76.97626	91.41777	76.53045	26.78552	62.03421	33.16432
1054	MRPL27	2334.423	-1.0263	0.095672	-10.7273	7.58E-27	1.91E-25	3230.835	3002.554	3158.62	1595.971	1508.073	1510.484
1568	POLA1	4862.914	-1.02641	0.113363	-9.05414	1.38E-19	2.33E-18	6156.475	7487.499	5929.023	3049.085	3227.918	3327.487
1388	MAEA	1672.244	-1.0265	0.107151	-9.57998	9.71E-22	1.86E-20	2304.951	2179.246	2253.474	1026.778	1078.112	1190.901
743	PWP1	5325.74	-1.02675	0.081991	-12.5227	5.61E-36	2.01E-34	7204.328	7078.035	7148.64	3558.01	3527.393	3438.035
2069	HS6ST1	1825.465	-1.02679	0.130777	-7.8515	4.11E-15	5.28E-14	2635.624	2249.863	2467.759	1267.848	1001.104	1330.593
5152	ZNF548	156.208	-1.02711	0.223197	-4.60179	4.19E-06	2.16E-05	209.7874	221.7018	198.2834	102.6778	96.25998	108.5378
11797	LOC119627	59.64508	-1.02719	0.419333	-2.44959	0.014302	0.03223	87.27591	63.49977	86.27069	55.80317	44.92132	20.09959
15609	LOC103224	19.7978	-1.02771	0.594801	-1.72783	0.084019	0.143091	21.14137	26.82318	31.30791	15.62489	12.83466	11.05477
3077	LIPT2	340.8014	-1.02775	0.16303	-6.30405	2.90E-10	2.51E-09	459.6892	430.2657	483.5333	220.9806	218.1893	232.1503
13062	LOC103227	44.22652	-1.02809	0.468574	-2.19409	0.028229	0.057454	72.09749	31.74989	74.44326	31.24978	25.66933	30.14938
10414	FAM189A2	52.48321	-1.02861	0.372236	-2.76332	0.005722	0.014606	66.67662	76.09024	67.48594	42.41041	32.08666	30.14938
1861	AGTPBP1	1085.068	-1.02876	0.124305	-8.27611	1.27E-16	1.82E-15	1431.108	1553.007	1381.723	665.1738	800.0274	679.3661
1308	CHEK1	1763.085	-1.02893	0.104713	-9.82615	8.69E-23	1.77E-21	2316.877	2431.056	2355.746	1060.26	1208.598	1205.975
10307	LOC103246	59.29278	-1.02925	0.369296	-2.78705	0.005319	0.013721	70.47123	96.34448	70.26887	46.87467	40.6431	31.15436
1910	LOC103227	7347.865	-1.02979	0.125911	-8.17871	2.87E-16	3.99E-15	10564.18	7976.885	11052.39	4968.715	4691.07	4833.951
1103	TXLNA	5393.387	-1.02986	0.097978	-10.5112	7.67E-26	1.85E-24	7320.334	7275.65	7137.508	3412.922	3298.509	3915.4
15460	HSF5	22.21093	-1.03038	0.588413	-1.75112	0.079926	0.13746	27.6464	33.93953	26.43779	20.08914	17.11289	8.039836
1880	SH3BP4	3065.592	-1.03074	0.125211	-8.232	1.84E-16	2.60E-15	3821.167	4759.198	3775.734	1915.165	1895.252	2227.035
20369	TRNAE-UU	5.826476	-1.031	1.06685	-0.96639	0.333848	0.435728	8.673382	7.663765	6.957314	2.232127	6.417332	3.014938
4311	ZIC2	457.9747	-1.03189	0.200477	-5.14715	2.64E-07	1.63E-06	523.1133	776.7774	548.2363	319.1942	243.8586	336.6681
2131	DCAKD	720.6428	-1.03218	0.133509	-7.73114	1.07E-14	1.33E-13	981.1763	1030.776	896.102	441.9611	466.3261	507.5146
3531	LOC103224	640.7036	-1.03228	0.177197	-5.82562	5.69E-09	4.28E-08	683.5709	1035.703	859.2282	470.9788	412.8484	381.8922
16377	PATE2	17.4763	-1.03248	0.648536	-1.59202	0.111381	0.180806	18.43094	27.37059	23.65487	13.39276	14.97377	7.034856
2668	RP58	52931.88	-1.0326	0.150168	-6.87633	6.14E-12	6.12E-11	78478.39	51656.52	83180.25	35410.46	35312.44	33553.25
3414	LOC103236	343.1791	-1.0327	0.174039	-5.93372	2.96E-09	2.31E-08	475.9518	414.3907	495.3607	234.3733	196.7982	242.2001
12587	LOC103227	45.0562	-1.03314	0.451866	-2.28638	0.022232	0.046956	41.19856	87.58589	52.17985	29.01765	34.22577	26.12947
1806	COL11A1	1747.879	-1.03319	0.122502	-8.43408	3.34E-17	4.91E-16	2211.17	2695.456	2140.07	1124.992	1133.729	1181.856
8727	LOC103236	98.35292	-1.0333	0.323503	-3.1941	0.001403	0.004273	103.5385	180.6459	111.317	64.73168	70.59065	59.29379
1376	CCDC90B	1302.919	-1.03335	0.107264	-9.63364	5.77E-22	1.11E-20	1769.912	1696.429	1781.072	899.5472	853.5052	817.0483
2173	CCNB1	6470.914	-1.03349	0.134963	-7.65758	1.89E-14	2.32E-13	9824.773	6832.794	9428.552	4254.434	4042.919	4442.009
1794	KIF4A	2187.395	-1.03381	0.122047	-8.4706	2.44E-17	3.62E-16	2789.034	3275.165	2762.054	1341.508	1347.64	1608.972
9011	LOC119615	71.72704	-1.03392	0.332204	-3.11231	0.001856	0.005477	117.0907	81.56436	90.44508	49.10679	44.92132	47.23404
1640	LOC103227	905.0027	-1.03422	0.116489	-8.87826	6.79E-19	1.10E-17	1241.92	1215.802	1191.788	616.067	560.447	603.9927
3360	SLC16A13	370.6026	-1.03423	0.17299	-5.97853	2.25E-09	1.78E-08	440.7162	557.8126	498.8394	229.9091	231.024	265.3146
7361	LOC119625	105.8403	-1.03436	0.286297	-3.61289	0.000303	0.001093	119.259	165.8658	141.2335	82.5887	57.75599	68.3386
20972	NIPAL2	6.2505	-1.03457	1.171972	-0.88276	0.377365	0.478						



3895	LOC103214	398.0961	-1.03586	0.190105	-5.44887	5.07E-08	3.46E-07	589.2479	416.033	602.5034	249.9982	252.4151	278.3793
16564	LOC119623	22.319	-1.03612	0.662917	-1.56297	0.11806	0.189484	31.44101	29.56024	27.13352	26.78552	14.97377	4.019918
7636	LOC119618	101.7453	-1.03645	0.294975	-3.5137	0.000442	0.001539	142.0266	146.159	120.3615	55.80317	89.84265	56.27885
5895	TRNAP-AG	306.1812	-1.03676	0.24585	-4.21707	2.48E-05	0.000112	471.6151	264.3999	500.9266	185.2665	196.7982	218.0805
9020	LOC103226	106.8394	-1.03687	0.333412	-3.10988	0.001872	0.005516	163.7101	112.2194	154.4524	102.6778	40.6431	67.33362
9985	LOC119620	67.80915	-1.03691	0.362017	-2.86427	0.00418	0.011128	110.0435	78.27989	83.48776	62.49956	36.36488	36.17926
15334	DUSP15	29.17382	-1.03726	0.585035	-1.77299	0.07623	0.132162	46.07734	27.918	41.74388	22.32127	29.94755	7.034856
3487	LOC103230	276.2076	-1.03733	0.176719	-5.86993	4.36E-09	3.32E-08	358.3191	381.546	377.0864	176.338	168.9897	194.966
11778	LOC103246	74.58584	-1.03755	0.422899	-2.45342	0.01415	0.03194	140.9425	46.53	113.4042	51.33892	47.06043	48.23901
12389	LOC103215	38.74572	-1.03798	0.446549	-2.32446	0.020101	0.043134	62.33993	41.6033	53.57132	24.5534	19.252	31.15436
2250	RDH10	722.9134	-1.03818	0.138249	-7.50946	5.94E-14	7.02E-13	923.7152	1055.41	942.716	477.6752	421.4048	516.5594
3728	LOC103235	256.1767	-1.03848	0.184992	-5.61362	1.98E-08	1.41E-07	325.2518	354.7229	354.823	180.8023	147.5986	173.8614
1470	RPTOR	2982.593	-1.0394	0.11145	-9.32615	1.10E-20	1.99E-19	4026.075	3852.137	4170.91	1919.629	1736.958	2189.85
12935	LOC103227	42.76934	-1.03974	0.469288	-2.21556	0.026721	0.05492	67.7608	31.74989	73.05179	31.24978	25.66933	27.13445
1533	CTH	4450.16	-1.04005	0.113733	-9.14464	5.98E-20	1.04E-18	5426.827	6833.889	5708.476	2877.212	2772.287	3082.272
3805	MAJIN	256.7392	-1.04008	0.187958	-5.53355	3.14E-08	2.19E-07	332.2989	353.628	353.4315	140.624	177.5462	182.9063
11502	LOC103228	56.62884	-1.04022	0.413507	-2.5156	0.011883	0.027466	61.25576	60.2153	107.1426	26.78552	49.19955	35.17428
10915	LOC119618	53.71793	-1.04028	0.392838	-2.64811	0.008094	0.019715	78.60252	53.64636	85.57496	26.78552	38.50399	39.1942
1531	KIF18A	1798.369	-1.04034	0.113734	-9.14721	5.84E-20	1.01E-18	2240.443	2689.982	2328.613	1220.973	1144.424	1165.776
2043	ZNF362	1074.524	-1.04078	0.13191	-7.89013	3.02E-15	3.93E-14	1326.485	1635.119	1378.244	738.834	643.8723	724.5902
3627	LOC103226	470.9218	-1.04086	0.182181	-5.71331	1.11E-08	8.12E-08	526.908	723.131	647.0302	366.0688	293.0582	269.3345
10347	LOC103227	57.38431	-1.04098	0.374797	-2.77746	0.005479	0.014076	70.47123	91.41777	71.66033	35.71403	27.80844	47.23404
1744	ARSD	1602.897	-1.04116	0.12096	-8.60746	7.47E-18	1.14E-16	2179.729	2212.091	2087.194	1091.51	894.1483	1152.711
15395	TRNAA-UG	35.35706	-1.04117	0.591405	-1.7605	0.078322	0.135252	74.26583	16.42235	52.87558	22.32127	17.11289	29.1444
806	KPNA2	10770.75	-1.04185	0.086504	-12.044	2.09E-33	6.88E-32	14630.37	14629.58	14246.49	6997.718	6631.243	7489.107
1939	NFXL1	950.2303	-1.04188	0.128331	-8.11869	4.71E-16	6.46E-15	1276.071	1312.146	1254.404	651.7811	532.6386	674.3412
2252	SH3D21	615.8585	-1.04193	0.138823	-7.50546	6.12E-14	7.23E-13	849.9914	853.9624	788.2636	361.6046	402.1528	439.176
1288	DNA2	1478.708	-1.04209	0.105322	-9.8943	4.41E-23	9.10E-22	2067.517	2019.95	1881.953	968.7431	990.4082	943.6757
18215	LOC103247	14.03611	-1.04269	0.802685	-1.29901	0.193942	0.28306	23.8518	8.758589	24.3506	2.232127	14.97377	10.04979
9336	LOC103240	67.02819	-1.04281	0.345042	-3.02227	0.002509	0.007143	100.8281	75.54283	94.61947	33.4819	53.47777	44.2191
1509	ETV5	2839.107	-1.04284	0.11299	-9.22947	2.72E-20	4.79E-19	3700.824	4238.61	3535.707	1796.862	1747.653	2014.984
1426	CDC45	1623.901	-1.04289	0.110405	-9.44601	3.52E-21	6.56E-20	2195.992	2340.733	2026.665	1053.564	1013.938	1112.512
27024	LOC119624	0.322258	-1.04293	3.988461	-0.26149	0.793718	NA	0.542086	0	1.391463	0	0	0
28989	TRNAV-CA	0.322258	-1.04293	3.988461	-0.26149	0.793718	NA	0.542086	0	1.391463	0	0	0
8258	LOC103234	84.72985	-1.04293	0.313486	-3.32689	0.000878	0.002827	107.3331	117.1461	114.7957	64.73168	64.17332	40.19918
2181	TULP4	2970.97	-1.04296	0.136369	-7.64805	2.04E-14	2.49E-13	3593.491	4896.051	3512.748	1908.469	1925.2	1989.859
2705	KRT10	542.6352	-1.04322	0.152784	-6.82807	8.61E-12	8.46E-11	672.1871	824.9496	698.5143	339.2833	337.9795	382.8972
3679	LOC119628	267.7837	-1.04324	0.183977	-5.67048	1.42E-08	1.03E-07	362.1137	373.8823	346.4742	149.5525	196.7982	177.8814
598	EEF1G	17153.59	-1.04354	0.076617	-13.6201	3.04E-42	1.35E-40	99086.88	93662.16	97140.8	47200.56	45828.31	47602.86
2329	TGFβ2	2157.601	-1.04495	0.141798	-7.36931	1.72E-13	1.96E-12	2624.24	3578.978	2515.765	1417.401	1403.257	1405.966
18265	LOC119624	14.07084	-1.0454	0.810209	-1.29029	0.196951	0.28665	24.39389	8.211177	23.65487	17.85702	4.278221	6.029877
1653	TRA2A	2348.116	-1.04548	0.11825	-8.84123	9.47E-19	1.52E-17	3113.744	3586.095	2788.491	1575.882	1523.047	1501.439
9093	TRABD2A	67.45859	-1.04603	0.339043	-3.08524	0.002034	0.005946	78.06044	98.53413	94.61947	53.57105	42.78221	37.18424
27296	LOC119625	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
27831	LOC103214	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
27975	LOC119628	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
28103	LOC103247	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
28186	LOC119618	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
28770	LOC119625	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
29586	LOC119625	0.323146	-1.04667	3.988252	-0.26244	0.792984	NA	0	0.547412	1.391463	0	0	0
10809	LOC103247	48.4099	-1.04678	0.392155	-2.66931	0.007601	0.018694	56.91907	72.25836	65.39875	31.24978	38.50399	26.12947
4924	LRRIQ1	285.9133	-1.0469	0.221267	-4.7314	2.23E-06	1.20E-05	344.7669	500.3344	311.6877	183.0344	179.6853	195.971
2891	ODAD4	620.168	-1.04735	0.159649	-6.5603	5.37E-11	4.94E-10	765.426	985.8887	759.0429	410.7114	365.7879	434.1511
3649	RPS18	55867.37	-1.04766	0.183821	-5.69933	1.20E-08	8.76E-08	86088.74	47636.87	92189.28	37493.04	37577.76	34218.55
5362	LOC119619	214.096	-1.04799	0.233741	-4.48357	7.34E-05	3.64E-05	297.6054	322.4256	246.9846	167.4095	98.39909	151.7519
6300	LOC103220	141.7843	-1.048	0.260327	-4.02571	5.68E-05	0.00024	227.1342	170.7925	174.6286	113.8385	74.86887	89.44317
13393	LOC119625	33.88995	-1.04821	0.492332	-2.12908	0.033248	0.065997	42.28274	60.76271	33.39511	17.85702	29.94755	19.09461
4207	SPIN4	252.9925	-1.04824	0.201098	-5.21257	1.86E-07	1.18E-06	319.831	378.809	324.9066	133.9276	194.6591	165.8216
12471	ATP2A3	40.13456	-1.04838	0.454555	-2.30638	0.02109	0.044958	49.32986	48.71965	62.61582	24.5534	38.50399	17.08465
24260	LOC119619	1.026642	-1.04867	2.855392	-0.36726	0.713425	0.781765	0.542086	0	3.478657	0	2.139111	0
16472	LOC119624	15.96007	-1.0496	0.665732	-1.57662	0.114884	0.185417	20.0572	26.27577	18.78475	11.16063	6.417332	13.06473
19807	LOC119620	7.785371	-1.04997	0.998036	-1.05204	0.292781	0.392971	7.047123	18.06459	6.957314	4.464254	2.139111	8.039836
1741	CRYBG1	17860.23	-1.05	0.121905	-8.6133	7.10E-18	1.08E-16	21981.06	28793.86	21489.75	11473.13	11193.97	12229.6
1306	LOC119625	4571.272	-1.05043	0.106862	-9.82975	8.38E-23	1.71E-21	6052.394	6577.7	5874.06	3053.55	2643.941	3225.984
1475	FTH1	30273.92	-1.05057	0.112777	-9.31549	1.21E-20	2.19E-19	37438.11	47209.89	37860.31	19127.1	18807.06	21201.05
3192	LOC103227	12313.11	-1.05061	0.17024	-6.17131	6.77E-10	5.64E-09	18763.24	11189.64	19871.48	8363.78	7869.788	7820.75
24236	LOC119619	1.043033	-1.05066	2.843543	-0.36949	0.711764	0.780749	0	0.547412	3.478657	2.232127	0	0
17119	LOC103235	13.61992	-1.05093	0.710987	-1.47813	0.139372	0.216438	17.34676	22.44388	15.30609	11.16063	6.417332	9.044815
11448	LOC103229	44.51624	-1.0516	0.416194	-2.52671	0.011514	0.026736	58.54533	55.28859	68.18167	20.08914	27.80844	37.18424
11579	LOC119627	41.16515	-1.05182	0.420854	-2.49924	0.012446	0.028575	60.17159	59.66789	46.614	22.32127	32.08666	26.12947
838	TADA3	3965.511	-1.05187	0.088862	-11.837	2.51E-32	7.97E-31	5369.908	5483.424	5203.375	2542.393	2500.62	2693.345
1459	RPL7	43337.96	-1.05215	0.112572	-9.34643	9.07E-21	1.65E-19	63787.85	48883.33	62758.45	28109.18	27831.97	28656.99
4567	LOC103												



1865	POC1A	1266.963	-1.05256	0.12727	-8.27024	1.34E-16	1.91E-15	1847.972	1529.469	1757.417	745.5304	829.9749	891.4168
2995	ING1	479.7841	-1.05295	0.163939	-6.42281	1.34E-10	1.19E-09	628.8202	747.7645	564.9339	299.105	331.5622	306.5187
2565	LOC10322	4404.911	-1.05296	0.149812	-7.02857	2.09E-12	2.16E-11	6409.087	4440.057	6985.143	2957.568	2774.427	2863.187
1866	RPL26L1	2007.604	-1.05306	0.127355	-8.26865	1.35E-16	1.93E-15	2765.183	2322.121	3036.867	1406.24	1294.162	1221.05
2336	HOMER2	1609.942	-1.05308	0.143119	-7.35806	1.87E-13	2.12E-12	1925.491	2633.598	1962.658	1006.689	1009.66	1121.557
6321	GABRA5	165.478	-1.05328	0.262267	-4.01607	5.92E-05	0.000249	178.8885	291.7705	198.9792	118.3027	98.39909	106.5278
2859	TMEM54	954.9572	-1.05341	0.159609	-6.59993	4.11E-11	3.82E-10	1476.101	1018.733	1375.461	613.8349	573.2817	672.3313
9252	LOC119618	89.73927	-1.05412	0.34649	-3.04229	0.002348	0.006746	101.3702	166.9606	96.70666	60.26743	42.78221	70.34856
1250	RIMKLB	3684.572	-1.05442	0.105346	-10.0092	1.39E-23	2.95E-22	4695.01	5497.657	4735.148	2274.537	2376.552	2528.528
11254	LOC119618	43.33774	-1.05482	0.410576	-2.56913	0.010195	0.024083	62.88202	49.81448	61.92009	33.4819	27.80844	24.11951
952	PABPC4	5668.376	-1.05492	0.09423	-11.1952	4.31E-29	1.20E-27	7519.28	8097.863	7348.315	3718.724	3441.829	3884.246
1131	YTHDF2	3296.069	-1.05507	0.101559	-10.3887	2.79E-25	6.56E-24	4287.903	4777.263	4291.967	2145.074	1997.929	2276.278
18997	LOC11962	9.260338	-1.05529	0.889843	-1.18593	0.23565	0.329781	17.34676	12.04306	8.348776	2.232127	8.556443	7.034856
11989	LOC10322	50.95095	-1.05538	0.438179	-2.40855	0.016016	0.035515	89.98634	46.53	71.66033	20.08914	34.22577	43.21412
17686	LOC10323	12.2806	-1.05542	0.760607	-1.3876	0.16526	0.248413	16.80468	19.70683	12.52316	8.928508	10.69555	5.024897
18305	LOC10324	11.5908	-1.05562	0.823905	-1.28124	0.200109	0.290626	10.84173	22.44388	13.91463	11.16063	2.139111	9.044815
1383	PHLDB2	7683.367	-1.05589	0.109922	-9.6058	7.56E-22	1.45E-20	9608.481	11706.4	9820.248	4743.27	4812.999	5408.8
4138	TMETAP1D	299.944	-1.05605	0.20054	-5.26603	1.39E-07	8.96E-07	453.7263	319.6885	441.0937	189.7308	207.4937	187.9312
4394	CCDC113	265.8469	-1.0566	0.207863	-5.08313	3.71E-07	2.25E-06	319.831	440.6665	315.862	183.0344	166.8506	168.8366
1648	THG1L	781.349	-1.05666	0.119312	-8.85628	8.27E-19	1.33E-17	1062.489	1063.621	1038.727	520.0856	502.691	500.4798
2156	PCK2	1842.506	-1.05675	0.137734	-7.6724	1.69E-14	2.08E-13	2633.456	2171.583	2667.434	1249.991	998.9647	1333.608
1317	LOC11962	4562.608	-1.05727	0.107857	-9.80246	1.10E-22	2.22E-21	6052.394	6577.7	5867.798	3031.228	2622.55	3223.974
1925	TMEM101	1795.927	-1.05734	0.129845	-8.14311	3.85E-16	5.32E-15	2630.745	2057.174	2595.078	1167.402	1075.973	1249.189
6546	LOC10324	241.3303	-1.0576	0.26971	-3.92124	8.81E-05	0.000358	269.4169	472.9638	235.1572	156.2489	160.4333	153.7619
1126	HEATR6	4121.236	-1.05773	0.101584	-10.4123	2.18E-25	5.15E-24	5427.911	6141.961	5134.498	2622.749	2688.862	2711.435
2936	PALLD	1114.134	-1.0578	0.162674	-6.50259	7.89E-11	7.15E-10	1323.233	1882.002	1314.237	703.12	665.2634	796.9487
8475	LOC10323	85.08151	-1.05828	0.324522	-3.26104	0.00111	0.003482	134.9795	84.30142	125.9274	49.10679	59.8951	56.27885
16960	ZNF501	17.0889	-1.05843	0.706748	-1.4976	0.134237	0.21036	22.22554	16.96977	29.22072	6.696381	21.39111	6.029877
17985	LOC11962	11.25109	-1.05847	0.786333	-1.34609	0.178275	0.263525	17.88885	12.59047	14.61036	6.696381	10.9555	5.024897
1922	NUF2	1387.356	-1.0585	0.129919	-8.14738	3.72E-16	5.14E-15	1741.181	2155.16	1723.327	906.2436	954.0434	844.1828
21331	LOC11962	3.860321	-1.05882	1.279329	-0.82764	0.407877	0.50834	4.336691	6.568942	4.87012	2.232127	2.139111	3.014938
11674	LOC11962	46.95113	-1.0605	0.428194	-2.47668	0.013261	0.030197	49.87195	78.8273	63.31155	31.24978	19.252	39.1942
22781	LOC11962	2.339261	-1.06069	1.780669	-0.59567	0.551397	0.64347	3.252518	3.284471	3.478657	0	0	4.019918
2828	EMG1	1765.799	-1.06085	0.159504	-6.65097	9.91E-11	2.74E-10	2761.388	1773.614	2627.777	1178.563	1086.668	1166.781
1166	LOC10322	1588.974	-1.0609	0.10326	-10.2741	9.22E-25	2.10E-23	2211.712	2204.427	2029.448	1029.011	1016.078	1043.169
15852	LOC11962	22.83546	-1.06118	0.627485	-1.69116	0.090807	0.152289	34.15144	14.23271	43.83108	15.62489	17.11289	12.05975
16598	RPL3	15.82393	-1.06184	0.681749	-1.55752	0.119347	0.191159	26.56223	16.42235	20.87194	15.62489	6.417332	9.044815
2599	SOGA3	897.7342	-1.06287	0.152235	-6.98176	2.92E-12	2.98E-11	1109.109	1437.503	1092.298	651.7811	554.0297	541.6839
12095	LOC10322	35.79785	-1.0629	0.445114	-2.38792	0.016944	0.037243	44.99317	53.64636	45.91827	22.32127	27.80844	20.09959
14383	LOC11962	24.62303	-1.06299	0.545702	-1.94793	0.051423	0.095049	39.03022	25.72836	35.4823	11.16063	19.252	17.8465
1404	LOC10323	8029.028	-1.06328	0.111694	-9.51954	1.74E-21	3.29E-20	9938.611	12582.26	10058.88	5272.284	5242.96	5079.166
2140	HMBS	887.8401	-1.06362	0.138066	-7.70368	1.32E-14	1.64E-13	1316.186	1078.949	1214.051	517.8535	566.8643	633.1371
19539	TRNAL-CA	8.531187	-1.06374	0.973454	-1.09275	0.274503	0.373491	9.757555	9.306001	16.69755	2.232127	2.139111	11.05477
885	GTF3A	3824.34	-1.06376	0.091939	-11.5703	5.83E-31	1.75E-29	5169.336	5229.425	5131.019	2350.43	2425.751	2640.081
6845	LOC10324	104.9517	-1.06385	0.280025	-3.79913	0.000145	0.000564	160.9997	117.1461	147.4951	71.42806	66.31243	66.32864
1223	RIOX2	1742.816	-1.06402	0.105475	-10.0879	6.25E-24	1.36E-22	2271.884	2535.612	2268.084	1093.742	1135.868	1151.706
16728	LOC11962	17.57978	-1.06444	0.692239	-1.53768	0.124126	0.197268	26.02015	24.63353	19.48048	8.928508	21.39111	5.024897
23900	ZSCAN4	1.01811	-1.06447	2.517155	-0.42288	0.67238	0.747917	1.084173	2.189647	0.695731	0	2.139111	0
13423	ICAM5	34.21845	-1.06477	0.501699	-2.12232	0.033811	0.066964	47.16151	35.03436	57.04997	31.24978	10.69555	24.11951
23939	LOC11962	1.034501	-1.06477	2.550565	-0.41746	0.676339	0.075112	0.542086	2.737059	0.695731	2.232127	0	0
9479	LOC10322	70.51899	-1.06485	0.356094	-2.99035	0.002787	0.007815	94.86511	76.09024	114.0999	62.49956	36.36488	39.1942
17581	ZNF138	12.3747	-1.06509	0.759098	-1.40309	0.160589	0.242834	14.09425	20.80165	14.61036	11.16063	8.556443	5.024897
1848	WASF2	3327.211	-1.06539	0.128115	-8.31589	9.11E-17	1.31E-15	4068.9	5293.472	4152.125	2055.789	2034.294	2358.687
972	SEPHS1	3888.257	-1.06552	0.095755	-11.1276	9.20E-29	2.52E-27	5295.642	5454.959	5037.791	2645.07	2327.352	2568.728
2065	LOC10322	986.477	-1.06561	0.135597	-7.85864	3.88E-15	5.00E-14	1456.044	1177.483	1377.548	709.3707	598.951	699.4657
1789	LOC10324	11010.74	-1.06581	0.125663	-8.48151	2.22E-17	3.30E-16	15739.48	12045.8	16922.27	7359.323	6911.467	7086.11
14214	LOC11962	27.39271	-1.0659	0.539872	-1.97436	0.048341	0.090413	42.28274	35.58177	32.00364	15.62489	27.80844	11.05477
7257	LOC10324	128.6109	-1.0666	0.292233	-3.64984	0.000262	0.000961	145.8212	236.4819	139.842	84.82083	81.28621	83.4133
1846	SLC39A11	909.5814	-1.06675	0.128225	-8.31935	8.84E-17	1.27E-15	1257.64	1251.931	1191.788	573.6566	526.2212	656.2516
2320	IGF2BP2	6193.358	-1.06717	0.14455	-7.3827	1.55E-13	1.78E-12	7172.887	10640.59	7342.749	3944.168	3925.268	4134.486
1247	STEAP3	6251.24	-1.06811	0.10664	-10.0161	1.30E-23	2.76E-22	8983.455	7852.622	8567.236	4118.274	3600.123	4385.73
2311	RPL13	23393.92	-1.06813	0.144423	-7.39587	1.40E-13	1.62E-12	36396.22	23742.89	34900.67	15267.75	14199.42	15856.57
7372	LOC11962	87.54778	-1.06817	0.295982	-3.60891	0.000307	0.001109	118.1748	107.8401	128.7103	66.96381	51.33866	52.25893
1689	FAM169A	2640.647	-1.06828	0.122078	-8.75079	2.12E-18	3.33E-17	3411.35	4142.813	3176.709	1662.935	1664.228	1785.849
6808	LOC10324	171.0989	-1.06902	0.280278	-3.81416	0.000137	0.000534	277.5482	164.2235	253.942	136.1597	79.14709	115.5726
3474	LOC11962	330.7635	-1.06925	0.181678	-5.88541	3.97E-09	3.04E-08	462.3997	454.3518	430.6577	232.1412	166.8506	238.1801
19016	LOC11962	8.749745	-1.06943	0.905082	-1.18159	0.237369	0.331849	8.673382	15.87494	11.1317	2.232127	8.556443	6.029877
18217	LOC11962	11.27234	-1.06987	0.823701	-1.29885	0.193994	0.283106	16.26259	15.32753	13.2189	13.39276	6.417332	3.014938
1134	CDK14	5002.451	-1.07013	0.10308	-10.3815	3.01E-25	7.05E-24	6522.925	7434.947	6379.857	3020.068	3227.918	3428.99
15071	ERV3-1	22.56658	-1.07018	0.587538	-1.82146	0.068537	0.120898	34.15144	26.27577	29.91645	15.62489	21.39111	8.039836
7018	LOC10321	116.25											



15185	LOC119616	24.42962	-1.07101	0.595473	-1.79859	0.072083	0.126199	41.74065	18.06459	40.35242	15.62489	10.69555	20.09959
568	RPL37	29149.79	-1.07106	0.076775	-13.9507	3.12E-44	1.46E-42	38618.23	39569.12	40307.2	19276.65	18635.93	18491.62
2592	COL16A1	414.1627	-1.07122	0.153205	-6.99204	2.71E-12	2.78E-11	578.9482	520.5886	583.0229	279.0159	263.1106	260.2897
2091	NOP14	2458.436	-1.07127	0.13722	-7.80694	5.86E-15	7.45E-14	3026.468	4059.606	2909.549	1562.489	1559.412	1633.092
928	ALYREF	2618.893	-1.07199	0.094461	-11.3485	7.55E-30	2.16E-28	3596.743	3449.242	3608.759	1649.542	1634.281	1774.794
14785	NRTN	21.08037	-1.07211	0.571432	-1.87618	0.06063	0.109019	28.73058	26.27577	31.30791	13.39276	10.69555	16.07967
6081	FAM227B	112.6926	-1.07234	0.259627	-4.13029	3.62E-05	0.000158	156.1209	146.159	155.1481	66.96381	83.42532	68.3386
5835	KRT3	120.491	-1.07263	0.252021	-4.25613	2.08E-05	9.48E-05	152.3263	173.5295	163.4969	73.66019	85.56443	74.36848
8575	LOC119626	69.61111	-1.07265	0.33159	-3.23487	0.001217	0.003773	100.286	81.01695	102.9682	44.64254	38.50399	50.24897
12465	LOC103243	44.03736	-1.07269	0.464993	-2.30689	0.021061	0.044918	53.12446	62.95236	60.52863	46.87467	25.66933	15.07469
1589	SP4	1947.905	-1.07271	0.11917	-9.00146	2.23E-19	3.73E-18	2442.641	3018.976	2460.802	1256.687	1229.989	1278.334
2681	TBX20	435.6408	-1.07307	0.156483	-6.85739	7.01E-12	6.95E-11	603.3421	605.4375	568.4125	263.391	256.6933	316.5685
1472	LIG3	2976.66	-1.07311	0.1151	-9.32326	1.13E-20	2.04E-19	3727.386	4558.846	3825.131	1897.308	1801.131	2050.158
1494	PACRGL	1758.626	-1.07313	0.115887	-9.2601	2.04E-20	3.63E-19	2383.012	2543.275	2224.253	1037.939	1257.797	1105.477
13925	LOC119620	24.51693	-1.07332	0.52952	-2.02698	0.042665	0.081448	31.9831	32.2973	34.78657	17.85702	17.11289	13.06473
13445	KCNIP1	42.15617	-1.0734	0.506798	-2.11801	0.034174	0.067572	51.49821	54.74118	62.61582	31.24978	42.78221	10.04979
685	EIF2S3	17386.16	-1.07378	0.083294	-12.8914	5.03E-38	1.95E-36	23407.83	24666.38	22650.93	11131.62	10851.71	11608.52
13658	LOC103245	14.12111	-1.07381	0.517192	-2.07623	0.037873	0.073719	71.01331	27.918	68.18167	35.71403	29.94755	16.07967
1200	ATP5IF1	2678.744	-1.07397	0.10581	-10.15	3.31E-24	7.34E-23	3328.952	3963.809	3601.106	1707.577	1794.714	1676.306
1754	PKP4	4424.59	-1.07412	0.125073	-8.58797	8.85E-18	1.34E-16	5495.672	7109.237	5398.18	2725.427	2782.983	3036.043
8003	LOC103247	10058.63	-1.07443	0.315008	-3.4108	0.000648	0.002152	16247.95	7719.601	16952.89	6712.006	6297.542	6421.819
22445	LOC103238	2.655456	-1.07464	1.653709	-0.64983	0.515799	0.610911	4.878777	4.379295	1.391463	0	4.278221	1.004979
10323	LOC119615	70.00555	-1.0759	0.386584	-2.7831	0.005384	0.013866	121.9694	59.66789	102.2725	40.17829	57.75599	38.18922
1252	IQGA3	3410.166	-1.07628	0.107647	-9.99822	1.55E-23	3.29E-22	4719.946	4584.027	4586.957	1975.432	2128.415	2466.22
9495	LOC103227	85.46287	-1.07636	0.360564	-2.9852	0.002834	0.007935	125.222	70.06871	153.0609	55.80317	51.33866	57.28383
20269	RAMP1	6.782689	-1.07698	1.094126	-0.98433	0.324953	0.426174	12.46799	5.474118	10.43597	0	4.278221	8.039836
1195	LONP1	14013.27	-1.07711	0.105997	-10.1617	2.94E-22	6.54E-23	19776.39	17871.9	19406.73	8749.938	8124.342	10150.29
1343	MTO1	1356.255	-1.07746	0.110707	-9.73249	2.19E-22	4.34E-21	1922.238	1762.666	1841.601	868.2974	817.1403	925.5861
1389	HNRNPLL	1583.804	-1.07864	0.112638	-9.57611	1.01E-21	1.93E-20	2251.827	1935.648	2260.431	1033.475	1022.495	998.9496
7003	LOC103220	123.387	-1.07892	0.289141	-3.73147	0.00019	0.000723	209.7874	132.4737	162.8011	69.19594	70.59065	95.47305
1763	FTSJ3	5063.448	-1.07944	0.126078	-8.56175	1.11E-17	1.68E-16	6200.384	8214.462	6210.794	3160.692	3157.327	3437.03
9984	JCHAIN	50.38939	-1.07945	0.376725	-2.86536	0.004165	0.011091	68.84497	70.61612	64.70302	37.94616	32.08666	28.13943
4900	LOC103225	156.6142	-1.07952	0.227666	-4.7417	2.12E-06	1.15E-05	201.6561	235.3871	199.6749	102.6778	104.8164	95.47305
16790	FAM229A	14.12111	-1.07964	0.706697	-1.52713	0.126729	0.200624	21.14137	17.51718	18.08902	13.39276	8.556443	6.029877
9367	CUBN	106.0185	-1.07967	0.358163	-3.01447	0.002574	0.007306	146.3633	139.0426	141.9292	80.35657	96.25998	32.15934
5366	LOC103235	171.7049	-1.07968	0.240938	-4.48117	7.42E-06	3.68E-05	241.2284	203.0898	253.942	89.28508	141.1813	101.5029
12853	CCDC158	30.8335	-1.07979	0.48465	-2.22798	0.025882	0.053534	35.23561	51.45671	38.96096	17.85702	21.39111	20.09959
1575	TMA16	977.4799	-1.08004	0.119428	-9.04345	1.52E-19	2.56E-18	1304.26	1373.456	1297.539	651.7811	660.9852	576.8582
1649	PCGF3	1796.275	-1.08005	0.121982	-8.85417	8.43E-19	1.36E-17	2386.264	2708.046	2229.123	1120.528	1067.416	1266.274
5553	LOC103234	143.9905	-1.08082	0.246169	-4.39058	1.13E-05	5.41E-05	200.0299	170.7925	217.0682	75.89232	102.6773	97.48301
17175	RUNX3	15.14763	-1.08151	0.735106	-1.47122	0.141231	0.218598	18.97302	24.08612	17.39328	17.85702	8.556443	4.019918
3148	CEP44	604.1277	-1.08161	0.173894	-6.21995	4.97E-10	4.20E-09	929.6781	634.4503	896.7977	408.4792	376.4835	378.8773
852	DUSP1	4613.054	-1.08165	0.091819	-11.7803	4.93E-32	1.54E-30	6457.875	6000.728	6343.679	3008.907	2780.844	3086.292
23052	LRRC26	2.086548	-1.08219	1.952537	-0.55425	0.579409	0.668264	1.626259	3.831883	2.782925	0	4.278221	0
2875	ATP10A	457.4666	-1.08285	0.164545	-6.58086	4.68E-11	4.33E-10	631.5306	606.5323	627.5497	341.5154	233.1631	304.5088
6079	LOC103237	177.3949	-1.08373	0.262274	-4.13204	3.60E-05	0.000157	291.6425	168.0554	264.3779	111.6063	109.0946	119.5926
1276	ZNHIT3	1320.964	-1.08448	0.109369	-9.91578	3.55E-23	7.41E-22	1875.619	1686.028	1826.991	832.5834	834.2532	870.3122
9760	PCDHGB3	59.87508	-1.0847	0.372288	-2.9136	0.003573	0.009732	92.15468	84.30142	67.48594	26.78552	51.33866	37.18424
5100	TREX2	530.1409	-1.08506	0.234469	-4.62772	3.70E-06	1.93E-05	878.1799	449.4251	837.6606	314.7299	305.8928	394.9569
13200	LOC119620	55.01468	-1.08601	0.50064	-2.16925	0.030064	0.060549	30.10765	97.03346	98.79385	31.24978	25.66933	47.23404
1481	LOC119618	1990.264	-1.08613	0.116766	-9.30176	1.38E-20	2.48E-19	2577.079	3027.735	2517.852	126.152	1200.041	1375.727
16206	ZGLP1	16.75011	-1.08616	0.667778	-1.62653	0.103836	0.170338	26.02015	20.25424	22.2634	15.62489	4.278221	12.05975
1574	IFRD2	2021.613	-1.08694	0.120189	-9.04359	1.52E-19	2.56E-18	2932.687	2453.5	2869.196	1209.813	1236.406	1428.076
1478	POLG2	1112.165	-1.08846	0.11699	-9.30385	1.35E-20	2.44E-19	1608.37	1442.978	1490.952	660.7096	727.2976	742.6798
1203	PHLDA1	6888.76	-1.08855	0.107381	-10.1372	3.78E-24	8.34E-23	8579.059	10660.3	8876.141	4283.452	4400.151	4533.462
1617	GLK	763.614	-1.08891	0.121895	-8.93321	4.14E-19	6.80E-18	1035.385	1015.996	1062.382	504.4607	494.1346	469.3254
823	SLC2A3	8513.112	-1.08932	0.091436	-11.9135	1.01E-32	3.25E-31	11860.31	11713.52	11182.49	5453.086	5050.44	5818.831
6403	LOC103226	111.6663	-1.08954	0.27387	-3.97832	6.94E-05	0.000288	178.8885	139.0426	137.0591	80.35657	66.31243	68.3386
18602	TRNAH-GLU	10.19757	-1.09043	0.882599	-1.23548	0.216653	0.30963	18.43094	6.568942	17.39328	4.464254	4.278221	10.04979
9738	LOC119625	62.05661	-1.09115	0.37376	-2.9194	0.003507	0.009575	103.5385	66.78424	84.87923	37.94616	29.94755	49.24399
1497	RHBDD1	1308.948	-1.09194	0.117977	-9.25554	2.13E-20	3.79E-19	1740.639	1955.355	1653.058	801.3336	829.9749	873.3272
19300	CCDC65	10.35811	-1.09196	0.961666	-1.13549	0.256169	0.352844	9.215468	15.32753	16.69755	15.62489	4.278221	1.004979
6870	LOC103224	98.37726	-1.09214	0.288261	-3.78872	0.000151	0.000586	139.8583	133.0211	130.7975	44.64254	70.59065	71.35354
1658	MARS2	1971.56	-1.09228	0.12376	-8.82582	1.09E-18	1.74E-17	2979.307	2437.077	2644.475	1176.331	1187.206	1404.961
1953	KPTN	639.6212	-1.0939	0.135181	-8.09211	5.86E-16	7.98E-15	886.3112	841.372	889.1447	424.1041	363.6488	433.1462
5294	TERB1	145.1513	-1.0949	0.242183	-4.52095	6.16E-06	3.09E-05	217.9187	179.0037	194.1091	91.51721	106.9555	81.40334
10245	LOC103246	50.9933	-1.09505	0.390543	-2.80391	0.005049	0.013101	65.59245	79.92212	63.31155	22.32127	40.6431	34.1693
23594	LOC119615	1.278823	-1.09518	2.335302	-0.46897	0.639092	0.720109	0.542086	1.642235	3.478657	0	0	2.009959
1633	FBXO4	1731.976	-1.09529	0.123225	-8.88851	6.19E-19	1.01E-17	2416.079	2151.328	2502.546	1209.813	1142.285	969.8052
21451	CEND1	3.783169	-1.09581	1.351319	-0.81092	0.417411	0.517288	3.252518	7.663765	4.174388	4.464254	2.139111	1.004979
1239	NT5DC2	1445.435	-1.09608	0.109269	-10.0311	1.11E-23	2.39E-22	1991.6					



9419	LOC119620	56.57519	-1.0981	0.36566	-3.00306	0.002673	0.007544	74.26583	90.32295	66.79021	31.24978	40.6431	36.17926
7069	CYBSR2	87.18273	-1.09834	0.296478	-3.70463	0.000212	0.000796	107.3331	135.7581	113.4042	53.57105	57.75599	55.27387
15656	LOC103217	20.21326	-1.09841	0.637193	-1.72382	0.08474	0.143895	37.40396	15.32753	30.61218	11.16063	10.69555	16.07967
1174	LOC103220	4143.767	-1.09856	0.107081	-10.2591	1.08E-24	2.44E-23	5246.312	5714.979	5977.028	2823.641	2735.923	2364.717
9924	LOC119620	50.60701	-1.09904	0.381716	-2.87919	0.003987	0.01068	80.22878	60.2153	66.79021	29.01765	34.22577	33.16432
1297	KIF18B	1227.186	-1.09926	0.111381	-9.86934	5.65E-23	1.16E-21	1630.054	1700.261	1693.41	716.5128	812.8621	810.0135
14814	LOC103210	23.06136	-1.09999	0.58826	-1.86991	0.061496	0.110361	43.909	29.01283	22.2634	13.39276	10.69555	19.09461
9040	LOC119620	60.40494	-1.10055	0.354764	-3.10219	0.001921	0.005649	74.26583	85.39624	86.27069	49.10679	34.22577	33.16432
12606	LOC103230	38.22707	-1.10099	0.482579	-2.28146	0.022521	0.047495	55.29281	51.45671	47.30973	29.01765	34.22577	12.05975
742	TNFAIP6	3475.069	-1.1014	0.08794	-12.5244	5.49E-36	1.97E-34	4678.747	4844.047	4694.795	2236.591	2254.623	2141.611
2608	UVSSA	432.3905	-1.10151	0.158157	-6.96464	3.29E-12	3.36E-11	599.0054	626.7865	548.2363	263.391	252.4151	304.5088
941	RHOBTB3	4452.388	-1.10174	0.097824	-11.2626	2.01E-29	5.67E-28	5918.499	6553.614	5756.481	2814.712	2695.279	2975.744
1592	CLPTM1L	4465.305	-1.10199	0.122483	-8.99716	2.32E-19	3.87E-18	6860.103	5192.201	6230.274	2832.569	2622.55	3054.133
20711	TRNAA-AG	4.552829	-1.10218	1.200318	-0.91824	0.358496	0.460171	7.589209	4.379295	6.957314	2.232127	2.139111	4.019918
22666	TCEAL1	2.377506	-1.10257	1.800441	-0.61239	0.540281	0.633716	5.420864	2.737059	2.087194	0	0	4.019918
2507	CHAC1	1072.843	-1.10307	0.154895	-7.1214	1.07E-12	1.13E-11	1650.653	1190.073	1553.568	738.834	590.3945	713.5354
2487	LOC103230	948.2301	-1.10321	0.154334	-7.14821	8.79E-13	9.40E-12	1121.577	1579.83	1179.96	620.5313	592.5337	594.9478
10228	LOC119620	56.51277	-1.10396	0.393093	-2.8084	0.004979	0.012941	78.06044	73.35318	77.92191	55.80317	27.80844	26.12947
6545	LOC119620	213.3316	-1.10423	0.281572	-3.92166	8.79E-05	0.000357	359.9453	180.6459	330.4724	151.7846	147.5986	109.5428
1217	CDK5RAP3	2492.189	-1.1046	0.109294	-10.1066	5.16E-24	1.13E-22	3378.282	3490.298	3347.859	1569.185	1411.813	1755.699
1108	RPL19	57092.78	-1.10532	0.105241	-10.5027	8.39E-26	2.01E-24	82948.43	66897.01	84015.13	36421.62	35626.89	36647.58
9291	LOC119620	58.41376	-1.10559	0.364361	-3.03432	0.002411	0.006898	79.6867	83.2066	74.44326	37.94616	47.06043	28.13943
1976	SSRP1	10489.97	-1.10582	0.137606	-8.03612	9.27E-16	1.25E-14	12794.32	17818.25	12363.15	6636.114	6291.124	7036.866
17901	LOC119620	10.18284	-1.10591	0.812468	-1.36117	0.173459	0.257617	15.17842	13.6853	13.2189	6.696381	4.278221	8.039836
2119	LOC103220	78288.75	-1.10645	0.142583	-7.76004	8.49E-15	1.07E-13	122807	81017.5	116940.6	48510.82	46737.43	53719.17
3371	GABBR2	562.373	-1.10671	0.18545	-5.9677	2.41E-09	1.90E-08	653.7562	980.4146	672.0765	345.9797	340.1186	381.8922
3022	CWC27	1615.476	-1.10764	0.173533	-6.38289	1.74E-10	1.53E-09	1834.42	2929.748	1855.516	1082.582	977.5736	1013.019
6893	LOC119620	181.4323	-1.10779	0.293232	-3.77786	0.000158	0.00061	176.1781	351.9858	214.2853	100.4457	141.1813	104.5179
2630	LOC103240	501.2918	-1.10782	0.159875	-6.92927	4.23E-12	4.28E-11	736.6954	616.9331	706.8631	292.4086	293.0582	361.7926
792	DDX52	3814.679	-1.10858	0.091265	-12.1468	5.96E-34	2.00E-32	5181.262	5488.898	4966.131	2368.287	2468.534	2414.966
937	RPL10	53903.89	-1.10863	0.098269	-11.2816	1.62E-29	4.59E-28	77987.26	66885.51	76093.53	33879.22	31926.23	36651.6
23017	TRNAK-CU	1.67326	-1.10936	1.983224	-0.55937	0.575909	0.665185	1.626259	1.094824	4.174388	0	2.139111	1.004979
2812	FAM81A	448.0062	-1.10953	0.166134	-6.67851	2.41E-11	2.28E-10	561.6015	713.2776	562.8467	270.0874	288.7799	291.444
1584	ABCC9	9694.744	-1.10964	0.123009	-9.02078	1.87E-19	3.13E-18	12199.11	15889.72	11660.46	6124.956	6047.266	6246.952
7108	LOC103210	131.1779	-1.10985	0.300429	-3.69424	0.000221	0.000825	164.2522	192.689	176.7158	80.35657	119.7902	53.26391
4741	LOC103230	1064.246	-1.10986	0.228554	-4.85603	1.20E-06	6.72E-06	1739.013	838.6349	1788.725	640.6204	626.7594	751.7246
1682	CDC20	3216.091	-1.11022	0.126524	-8.77474	1.71E-18	2.71E-17	4788.791	3836.809	4569.564	2064.717	1775.462	2261.204
4912	LOC119620	264.7162	-1.11062	0.234427	-4.73758	2.16E-06	1.17E-05	429.3324	264.3999	395.1754	142.8561	162.5724	193.961
3978	LOC103220	1758.444	-1.11094	0.206135	-5.38941	7.07E-08	4.72E-07	2611.23	1499.908	3098.788	1232.134	1084.529	1024.074
15995	CD8A	19.04983	-1.11103	0.66671	-1.66644	0.095625	0.158937	28.73058	25.72836	22.2634	11.16063	21.39111	5.024897
20549	LOC119610	5.19378	-1.1117	1.180255	-0.94191	0.346238	0.447515	6.505036	8.211177	6.957314	4.464254	0	5.024897
2611	LOC103220	6783.372	-1.11173	0.159725	-6.96024	3.40E-12	3.46E-11	10225.92	6605.618	10992.56	4528.986	4141.318	4205.839
1454	PTCD2	1234.352	-1.11193	0.118855	-9.35536	8.33E-21	1.52E-19	1648.485	1847.515	1569.57	792.4051	740.1323	808.0035
1040	SET	9593.705	-1.11201	0.102818	-10.8153	2.91E-27	7.45E-26	12617.06	14727.02	12013.89	6008.886	5908.224	6287.152
20877	LOC119620	5.696719	-1.1122	1.244325	-0.89382	0.371419	0.472969	5.420864	2.737059	15.30609	6.696381	0	4.019918
2094	ITPRIPL1	526.191	-1.11247	0.14255	-7.80408	5.99E-15	7.61E-14	693.3285	759.8076	707.5588	345.9797	303.7537	346.7179
2975	FSD1	444.3062	-1.11248	0.172301	-6.45661	1.07E-10	9.57E-10	665.6821	509.093	645.6387	314.7299	267.3888	263.3046
1057	RPL5	40089.25	-1.11316	0.103964	-10.7072	9.42E-27	2.37E-25	51607.71	55737.47	57135.55	26906.06	26984.88	22163.82
13636	LOC103220	25.05178	-1.11342	0.53487	-2.08166	0.037374	0.072859	33.06727	32.84471	36.17803	22.32127	12.83466	13.06473
2138	EMB	1581.541	-1.11351	0.144345	-7.71423	1.22E-14	1.51E-13	1883.75	2640.715	1963.354	1037.939	994.6865	968.8002
5041	PIF1	372.1857	-1.11353	0.23862	-4.66654	3.06E-06	1.62E-05	591.9583	329.5419	608.7649	212.0521	222.4675	268.3295
7339	LOC119620	96.48161	-1.11366	0.307703	-3.61926	0.000295	0.00107	106.2489	163.1287	125.9274	53.57105	72.72976	57.28383
4483	FBXO36	187.7345	-1.11439	0.221962	-5.02063	5.15E-07	3.05E-06	262.9119	286.8438	220.5468	131.6955	104.8164	119.5926
8323	DHRS2	65.85922	-1.11463	0.336988	-3.30762	0.000941	0.003005	99.20181	82.11177	89.74935	44.64254	34.22577	45.22408
1554	BECN1	4232.389	-1.11493	0.122871	-9.07398	1.15E-19	1.96E-18	5188.309	6847.574	5339.738	2627.213	2609.715	2781.783
6929	RPL18A	19706.43	-1.115	0.296225	-3.76402	0.000167	0.000642	33420.71	16503.37	30969.09	12133.84	11296.64	13914.95
892	FANCI	2741.078	-1.11501	0.096836	-11.5145	1.12E-30	3.32E-29	3851.524	3886.076	3517.618	1698.649	1702.732	1789.868
10474	LOC119620	48.99079	-1.11568	0.405643	-2.75039	0.005953	0.015109	81.31296	55.28859	64.00729	24.5534	40.6431	28.13943
2229	LOC119620	11812.97	-1.11583	0.14774	-7.5527	4.26E-14	5.08E-13	18946.46	12247.79	17310.49	7066.914	7063.343	8242.842
991	NCAPG	3601.296	-1.11593	0.101227	-11.0241	2.92E-28	7.85E-27	4736.209	5364.636	4690.621	2214.27	2201.145	2400.896
11026	LOC119620	79.22246	-1.11626	0.425414	-2.62393	0.008692	0.020958	143.1108	48.17224	134.9719	46.87467	44.92132	57.28383
4273	DIPK1A	175.92	-1.11663	0.215728	-5.17607	2.27E-07	1.41E-06	226.5921	262.7577	232.3743	118.3027	106.9555	108.5378
15980	LOC119620	15.2925	-1.11676	0.669249	-1.66868	0.095181	0.158347	20.0572	20.80165	22.2634	11.16063	6.417332	11.05477
879	RPL27A	40221.5	-1.11698	0.096113	-11.6215	3.20E-31	9.69E-30	53626.98	52561.93	58975.06	26301.15	26745.3	23118.55
775	VIM	78005.32	-1.11769	0.090993	-12.2832	1.12E-34	3.82E-33	105089.9	114281	101025.1	48017.52	47086.1	52532.29
14051	LOC103220	24.98672	-1.11775	0.557477	-2.00502	0.044961	0.085068	30.35684	40.50847	30.61218	24.5534	12.83466	11.05477
16559	IL1RN	13.4471	-1.1183	0.715024	-1.564	0.117818	0.189153	20.59928	19.15941	15.30609	11.16063	6.417332	8.039836
14616	APBA1	28.24909	-1.11862	0.587373	-1.90444	0.056853	0.10341	35.7777	39.96106	38.26523	33.4819	14.97377	7.034856
2407	BOD1L1	6169.916	-1.1198	0.154153	-7.26424	3.75E-13	4.14E-12	7272.089	10961.92	7121.506	3660.688	3888.903	4114.386
6842	LOC103230	94.57601	-1.12022	0.294681	-3.80146	0.000144	0.000559	125.222	132.4737	128.7103	55.80317	77.00798	48.23901
6902	LOC119620	84.17977	-1.12139	0.296976	-3.77602	0.00							



12316	CISH	47.97425	-1.12243	0.479167	-2.34246	0.019157	0.041349	67.21871	82.11177	48.00546	11.16063	49.19955	30.14938
1045	SEC14L1	5789.53	-1.12263	0.103919	-10.8029	3.33E-27	8.48E-26	7618.482	8331.608	7865.939	3551.314	3317.761	4052.077
4224	LOC119620	206.9005	-1.12305	0.215906	-5.20158	1.98E-07	1.24E-06	331.2148	254.5465	262.9865	136.1597	136.9031	119.5926
10090	LOC119620	49.28987	-1.12309	0.395363	-2.84065	0.004502	0.011864	65.05036	77.18507	61.22436	35.71403	21.39111	35.17428
3537	LOC119620	231.2728	-1.12317	0.193089	-5.81683	6.00E-09	4.51E-08	339.3461	292.8653	317.9492	140.624	156.1551	140.6971
6601	LOC119620	100.131	-1.12338	0.287887	-3.90216	9.53E-05	0.000384	146.9054	152.7279	112.7085	55.80317	66.31243	66.32864
1333	SURF2	1364.249	-1.124	0.115118	-9.76393	1.61E-22	3.21E-21	1740.639	1971.23	1895.172	837.0476	928.374	813.0284
4397	RCN3	332.3287	-1.12438	0.221198	-5.08316	3.71E-07	2.25E-06	385.9655	582.4462	402.1327	165.1774	216.0502	242.2001
18558	THEGL	9.591804	-1.12462	0.905484	-1.24201	0.214234	0.306897	6.505036	18.612	14.61036	2.232127	8.556443	7.034856
4860	LOC103230	197.0877	-1.12519	0.235771	-4.77236	1.82E-06	9.96E-06	294.895	205.2794	310.9919	120.5349	126.2075	124.6175
21420	LOC119620	3.376436	-1.1253	1.381178	-0.81474	0.415221	0.515344	4.878777	2.737059	6.261582	2.232127	2.139111	2.009959
15823	LOC103240	22.11796	-1.12569	0.664083	-1.69511	0.090055	0.151306	49.87195	13.13788	28.52499	13.39276	10.69555	17.08465
1148	KIF14	2200.742	-1.12571	0.109071	-10.3208	5.67E-25	1.31E-23	2892.573	3349.613	2812.842	1363.83	1394.7	1390.892
13380	CYP2D6	31.19884	-1.12573	0.528313	-2.1308	0.033106	0.065778	62.33993	32.2973	34.78657	13.39276	19.252	25.12449
1109	CENPK	1902.32	-1.12706	0.107349	-10.499	8.73E-26	2.09E-24	2614.483	2420.108	2794.057	1151.778	1255.658	1177.836
16994	FAM25G	11.83194	-1.1283	0.755784	-1.49288	0.135468	0.211923	13.55216	16.96977	18.08902	8.928508	6.417332	7.034856
1258	PI4K2B	1172.05	-1.1285	0.113056	-9.98183	1.83E-23	3.87E-22	1675.047	1651.541	1497.91	723.2091	752.967	731.6251
4760	PIGZ	144.651	-1.13079	0.233767	-4.83726	1.32E-06	7.35E-06	215.2083	191.5941	189.2389	95.98146	83.42532	92.45811
1532	PWP2	3933.411	-1.13082	0.12363	-9.14679	5.86E-20	1.02E-18	6005.775	4753.177	5452.447	2283.466	2318.796	2786.808
18550	LOC119620	9.952816	-1.13123	0.909981	-1.24313	0.213819	0.306446	15.7205	10.40082	13.91463	13.39276	4.278221	2.009959
1593	MZT1	1121.205	-1.13127	0.125738	-8.99703	2.32E-19	3.87E-18	1615.417	1375.646	1623.141	716.5128	742.2714	654.2416
2522	HAUS7	1289.559	-1.13152	0.159537	-7.09249	1.32E-12	1.39E-11	2082.696	1406.848	1827.686	812.4942	710.1847	897.4467
11890	LOC119620	39.08451	-1.1316	0.466136	-2.42763	0.015198	0.033981	53.66655	39.41365	66.79021	22.32127	34.22577	18.08963
18130	CYP2C19	9.219294	-1.13184	0.860028	-1.31605	0.188158	0.275906	11.9259	14.78012	11.82743	4.464254	4.278221	8.039836
1058	N4BP2	2210.763	-1.13206	0.105779	-10.7021	9.95E-27	2.50E-25	2926.724	3327.169	2854.586	1363.83	1405.396	1386.872
2655	LOC103230	1267.215	-1.13219	0.164382	-6.88755	5.68E-12	5.68E-11	1983.494	1330.211	1910.478	834.8155	693.0719	851.2176
17921	CUNH1orf	11.04746	-1.13227	0.834392	-1.357	0.174782	0.259281	9.757555	21.89647	13.2189	6.696381	10.69555	4.019918
18282	LOC119620	9.073637	-1.13234	0.879826	-1.28701	0.198092	0.288058	11.9259	8.211177	17.39328	4.464254	6.417332	6.029877
2124	CHD5	641.9542	-1.13239	0.146167	-7.74728	9.39E-15	1.18E-13	840.776	910.3458	896.102	334.819	455.6306	414.0515
2226	LOC103230	1393.604	-1.13262	0.149855	-7.55815	4.09E-14	4.88E-13	1663.121	2089.471	1982.834	841.5119	1046.025	738.6599
10521	LOC103230	73.05446	-1.13284	0.413516	-2.73954	0.006153	0.015546	67.7608	154.3701	78.61764	60.26743	32.08666	45.22408
1021	LOC103220	2915.338	-1.13288	0.103852	-10.9085	1.05E-27	2.73E-26	3744.191	4367.799	3904.444	1861.594	1732.68	1881.322
20494	LOC103210	5.613365	-1.13349	1.195699	-0.94797	0.343143	0.445129	9.215468	6.568942	6.957314	8.928508	0	2.009959
16085	PTPRR	15.98819	-1.13367	0.687378	-1.64927	0.090902	0.163778	19.51511	22.9913	22.2634	11.16063	14.97377	15.024891
3680	LOC103220	255.7434	-1.13373	0.199984	-5.66911	1.44E-08	1.04E-07	373.4975	293.9601	386.8266	169.6417	149.7377	160.7967
1189	PTGFRN	7417.228	-1.13374	0.111403	-10.1768	2.52E-24	5.63E-23	9915.302	11117.93	9548.913	4426.308	4258.969	5235.943
19612	LOC119620	6.446793	-1.13442	1.046623	-1.08388	0.278417	0.377407	8.673382	10.94824	7.653045	2.232127	2.139111	7.034856
688	PITRM1	8344.246	-1.13479	0.088139	-12.875	6.22E-38	2.40E-36	11106.27	12101.09	11199.19	5033.446	5157.396	5468.093
19392	LOC103210	9.90353	-1.13504	1.014643	-1.11866	0.263284	0.360943	14.63633	15.32753	9.740239	11.16063	8.556443	0
17715	LOC103210	10.71344	-1.13512	0.821389	-1.38195	0.166988	0.2506	15.17842	13.13788	16.00182	2.232127	10.69555	7.034856
1802	NUDC	4050.162	-1.13514	0.13451	-8.43913	3.20E-17	4.72E-16	4865.225	6806.518	5028.746	2504.446	2459.977	2636.061
1521	STXBP5L	1738.456	-1.13589	0.123815	-9.17407	4.55E-20	7.96E-19	2362.954	2668.085	2143.548	1011.154	1063.138	1181.856
7304	LOC119620	85.63473	-1.13687	0.312918	-3.63312	0.00028	0.001019	107.3331	116.0513	129.406	40.17829	70.59065	50.24897
5376	DNTT	152.8245	-1.13693	0.253932	-4.47733	7.56E-06	3.74E-05	196.7774	251.262	181.5859	80.35657	115.512	91.45313
2958	H1-2	16914.23	-1.13709	0.175467	-6.48035	9.15E-11	8.22E-10	28408.04	15524.6	25835.98	10232.07	9908.361	11576.36
2247	TAF1A	602.5439	-1.13753	0.1514	-7.51344	5.76E-14	6.81E-13	810.4191	939.9061	736.0838	348.2118	395.7355	384.9071
3583	LOC103230	224.8409	-1.13765	0.197173	-5.76982	7.94E-09	5.89E-08	302.4842	297.2446	330.4724	122.767	143.3204	152.7569
4845	LOC103240	196.9792	-1.13849	0.237876	-4.78605	1.70E-06	9.33E-06	303.0263	214.5854	293.5986	109.3742	149.7377	111.5527
3298	LOC119610	439.6019	-1.13855	0.188394	-6.04344	1.51E-09	1.22E-08	633.699	478.9853	697.8186	279.0159	305.8928	242.2001
1600	ADAT2	679.8686	-1.13871	0.126785	-8.98137	2.67E-19	4.44E-18	955.1562	908.7036	940.6288	410.7114	444.935	419.0764
20550	LOC119610	4.477452	-1.13911	1.208328	-0.94272	0.345826	0.447515	5.420864	6.568942	6.261582	4.464254	2.139111	2.009959
1460	ZFAND1	1702.201	-1.13915	0.121923	-9.34315	9.35E-21	1.70E-19	2260.5	2296.393	2462.193	982.1359	1232.128	979.855
12719	TLX3	27.67158	-1.13929	0.505466	-2.25394	0.0242	0.050582	40.65648	39.41365	34.09084	13.39276	21.39111	17.08465
10656	KCNJ12	44.40507	-1.13996	0.421899	-2.70198	0.006893	0.017196	65.05036	49.26706	67.48594	35.71403	27.80844	21.10457
15005	LOC103210	20.80852	-1.14011	0.621746	-1.83372	0.066695	0.118206	34.69353	20.25424	32.00364	13.39276	6.417332	18.08963
21255	LOC103210	3.980168	-1.14032	1.355152	-0.84147	0.400084	0.500407	7.589209	2.737059	6.261582	0	4.278221	3.014938
13797	LOC119620	25.94547	-1.14044	0.557047	-2.04729	0.040629	0.078287	37.40396	45.98259	23.65487	11.16063	21.39111	16.07967
1628	PPP2R2C	2292.182	-1.14144	0.128175	-8.90529	5.32E-19	8.69E-18	3021.589	3635.362	2812.842	1343.74	1364.753	1574.803
10325	LOC103240	68.46938	-1.14163	0.410254	-2.78273	0.00539	0.013879	54.75072	139.0426	88.35788	42.41041	47.06043	39.1942
680	DDIT3	3836.834	-1.14322	0.088539	-12.912	3.85E-38	1.51E-36	5336.84	5088.74	5421.139	2455.34	2323.074	2395.871
9008	LOC103210	55.02943	-1.14337	0.367271	-3.11316	0.001851	0.005463	70.47123	82.65918	74.44326	26.78552	40.6431	35.17428
1010	NSUN2	5621.909	-1.14351	0.104404	-10.9527	6.45E-28	1.70E-26	7447.183	8548.383	7232.128	3379.44	3362.682	3761.638
1309	HDAC1	3583.824	-1.14375	0.116414	-9.8249	8.80E-23	1.79E-21	5320.036	4465.786	5019.702	2428.554	1959.425	2309.443
3623	OIP5	400.5784	-1.14392	0.20011	-5.71645	1.09E-08	7.98E-08	593.0425	420.4123	642.1601	216.5163	278.0844	253.2548
1461	GJC1	3569.942	-1.14481	0.122547	-9.34183	9.47E-21	1.72E-19	4610.987	5781.764	4358.061	2218.734	2164.78	2285.323
5160	LOC119620	149.6971	-1.14499	0.249032	-4.59775	4.27E-06	2.20E-05	204.9086	235.9345	175.3243	91.51721	109.0946	81.40334
12222	CUNH12orf	36.38253	-1.1452	0.484824	-2.3621	0.018172	0.039527	62.33993	37.77142	48.7012	22.32127	32.08666	15.07469
4142	LOC119620	285.0509	-1.14524	0.217597	-5.26313	1.42E-07	9.09E-07	431.5008	293.4127	452.9211	162.9453	194.6591	174.8664
758	H1-4	17515.33	-1.14531	0.092152	-12.4285	1.83E-35	6.42E-34	24756	22294.99	25326.01	11191.88	10261.31	11261.8
1294	CDR2L	1617.544	-1.14554	0.116012	-9.87435	5.38E-23	1.10E-21	2197.076	2273.401	2222.862	991.0644	896.287	



28494	LOC119620	0.347866	-1.14562	3.982907	-0.28763	0.773627	NA	0	0	2.087194	0	0	0
28702	LOC119620	0.347866	-1.14562	3.982907	-0.28763	0.773627	NA	0	0	2.087194	0	0	0
28944	IFNL3	0.347866	-1.14562	3.982907	-0.28763	0.773627	NA	0	0	2.087194	0	0	0
1122	DOCK2	1847.545	-1.14567	0.109878	-10.4268	1.87E-25	4.43E-24	2472.998	2789.063	2375.227	1133.921	1125.172	1188.891
4421	LOC10324	203.7621	-1.14603	0.226321	-5.06375	4.11E-07	2.47E-06	247.1914	343.7746	250.4633	122.767	134.764	123.6125
18020	LOC10321	10.72405	-1.1464	0.85577	-1.33961	0.180373	0.266105	9.757555	22.9913	11.1317	11.16063	4.278221	5.024897
1670	DPY19L3	732.3035	-1.1465	0.130336	-8.79654	1.41E-18	2.25E-17	1020.207	1077.854	929.4971	444.1933	457.7697	464.3005
12068	LOC11962	60.03216	-1.14676	0.479034	-2.3939	0.01667	0.036723	113.2961	40.50847	96.70666	22.32127	32.08666	55.27387
7934	LOC10322	104.4665	-1.14697	0.33447	-3.42922	0.000605	0.002028	108.4173	188.8571	131.4932	73.66019	79.14709	45.22408
18047	LIN28B	11.0741	-1.14719	0.859338	-1.33498	0.181884	0.267934	15.17842	17.51718	12.52316	2.232127	14.97377	4.019918
1144	CUNH11or	1737.911	-1.14748	0.110959	-10.3415	4.57E-25	1.06E-23	2397.106	2214.281	2567.944	1129.456	1101.642	1017.039
2066	METTL2	450.6546	-1.14757	0.14608	-7.85574	3.97E-15	5.11E-14	638.5777	621.8598	603.8948	263.391	288.7799	287.4241
1359	LOC10322	15996.49	-1.14792	0.118459	-9.69046	3.31E-22	6.48E-21	23264.18	18169.15	24700.55	9964.215	10043.12	9837.744
19763	SLC16A12	6.716072	-1.14793	1.083587	-1.05938	0.289425	0.389331	3.794605	8.211177	15.30609	6.696381	4.278221	2.009959
1034	RCN2	3193.43	-1.14799	0.105992	-10.8309	2.46E-27	6.32E-26	4229.9	4472.355	4493.033	1921.861	2220.397	1823.033
7071	LOC10323	189.8819	-1.14804	0.309947	-3.70399	0.000212	0.000798	334.4673	148.896	304.0346	116.0706	94.12087	141.7021
738	SLC25A39	11948.49	-1.14833	0.091518	-12.5476	4.10E-36	1.48E-34	15967.15	17360.62	16083.92	7374.948	6964.944	7939.338
3602	TMEM126	830.6008	-1.14841	0.200089	-5.73946	9.50E-09	7.01E-08	1335.159	777.8722	1323.281	446.4254	556.1688	544.6989
1329	ZDBF2	1589.38	-1.14875	0.11755	-9.77248	1.48E-22	2.96E-21	2064.807	2442.004	2064.235	948.654	1041.747	974.8301
827	TBCCD1	2146.771	-1.14877	0.096589	-11.8934	1.28E-32	4.12E-31	2942.445	3075.907	2861.543	1303.562	1328.388	1368.782
18340	LOC11962	9.524913	-1.14945	0.900555	-1.27638	0.201822	0.292553	15.17842	8.211177	15.30609	11.16063	4.278221	3.014938
891	WDR45B	5676.036	-1.14981	0.099841	-11.5164	1.09E-30	3.26E-29	7428.752	8691.805	7355.968	3526.761	3495.307	3557.627
3795	LOC10323	244.3698	-1.15024	0.207205	-5.5512	2.84E-08	1.99E-07	327.4202	313.1196	365.259	174.1059	164.7115	121.6025
16593	LOC11962	12.5463	-1.15025	0.738173	-1.55824	0.119175	0.190934	19.51511	13.6853	18.78475	6.696381	8.556443	8.039836
1761	GALNT7	1222.548	-1.15053	0.134284	-8.56792	1.05E-17	1.59E-16	1547.114	1965.208	1546.611	727.6734	765.8016	782.879
1756	ERAL1	1038.247	-1.15114	0.134132	-8.58214	9.31E-18	1.41E-16	1440.323	1425.46	1440.164	584.8173	583.9772	754.7396
1071	CA5B	1566.993	-1.15119	0.108144	-10.645	1.84E-26	4.57E-25	2078.901	2323.216	2079.541	950.8861	1009.66	959.7554
2186	CACNA2D4	484.3693	-1.15144	0.150808	-7.63515	2.26E-14	2.74E-13	634.7831	653.6097	717.299	267.8552	325.1448	307.5237
12657	LOC11962	30.75608	-1.15188	0.50764	-2.26909	0.023263	0.048862	47.7036	27.918	51.48412	20.08914	19.252	18.08963
17370	TRNAA-UG	12.35936	-1.15216	0.802403	-1.43589	0.151033	0.231158	17.34676	12.04306	22.95914	4.464254	4.278221	13.06473
1549	TBC1D16	1765.172	-1.15222	0.126776	-9.08861	1.00E-19	1.72E-18	2602.015	2137.643	2572.815	1040.171	1020.356	1218.035
858	PAPPA	4957.037	-1.15242	0.098202	-11.7352	8.41E-32	2.61E-30	6503.952	7371.447	6643.539	3116.049	2879.243	3227.994
2437	ZDHHC18	912.6124	-1.15274	0.159781	-7.2145	5.41E-13	5.91E-12	1374.189	1075.117	1334.413	573.6566	462.0479	656.2516
8751	LOC10322	79.80576	-1.15297	0.361596	-3.18855	0.00143	0.004344	88.36008	151.0857	89.05362	49.10679	62.3421	39.1902
9375	LOC10323	94.592	-1.15329	0.382716	-3.01344	0.002583	0.007325	175.636	66.23683	148.8865	62.49956	62.03421	52.25893
2940	LOC10324	717.3141	-1.15332	0.177494	-6.49778	8.15E-11	7.37E-10	844.5706	1265.069	857.8368	441.9611	466.3261	428.1213
13016	LOC10322	27.2793	-1.15344	0.524092	-2.20084	0.027747	0.056672	42.82482	33.93953	37.56949	13.39276	12.83466	23.11453
1752	LOC10324	1551.953	-1.15459	0.134416	-8.5897	8.72E-18	1.32E-16	1921.696	2527.948	1977.964	968.7431	913.4003	1001.965
11566	LOC11962	34.95544	-1.15466	0.461485	-2.50205	0.012348	0.028382	53.12446	47.07742	43.13534	26.78552	23.53022	16.07967
18039	LOC11962	9.681551	-1.15478	0.863911	-1.33669	0.181324	0.267228	13.01007	8.758589	18.08902	8.928508	4.278221	5.024897
1259	DBF4	1800.526	-1.1548	0.115703	-9.98074	1.85E-23	3.91E-22	2304.409	2763.882	2385.663	1066.957	1180.789	1101.457
6951	LOC10321	187.669	-1.15555	0.307718	-3.75523	0.000173	0.000662	325.7939	143.4219	308.209	129.4634	100.5382	118.5876
2835	LOC10323	454.6979	-1.15564	0.174182	-6.6347	3.25E-11	3.05E-10	546.9651	705.0664	625.4625	301.3371	310.171	239.1851
18871	LOC11962	8.545981	-1.15592	0.95646	-1.20854	0.22684	0.319566	4.336691	16.42235	14.61036	4.464254	6.417332	5.024897
6289	LOC11962	141.8869	-1.15609	0.286598	-4.03385	5.49E-05	0.000232	248.2756	159.2968	176.7158	93.74933	106.9555	66.32864
6837	LOC10322	88.76044	-1.15619	0.304048	-3.80267	0.000143	0.000557	112.2119	137.4004	120.3615	51.33892	44.92132	66.32864
17512	LOC11962	10.72063	-1.15667	0.818922	-1.41244	0.157822	0.239589	17.34676	9.306001	17.39328	6.696381	8.556443	5.024897
1331	PRKCA	4990.731	-1.15704	0.118439	-9.76903	1.53E-22	3.05E-21	6322.895	8021.773	6333.243	2921.854	3082.458	3262.163
1030	MED24	2384.535	-1.15749	0.106536	-10.8647	1.70E-27	4.38E-26	3340.336	3224.803	3324.204	1350.437	1435.343	1632.087
20049	LOC11962	6.302377	-1.1576	1.134144	-1.02068	0.307404	0.407618	14.63633	5.474118	6.261582	0	6.417332	5.024897
5886	PRSS12	125.7581	-1.15787	0.274285	-4.2214	2.43E-05	0.00011	158.2892	212.3958	148.1908	87.05295	81.28621	67.33362
12065	RPS29	7367.461	-1.15827	0.483755	-2.39433	0.016651	0.036689	13997.21	4384.221	12146.08	4524.521	4267.526	4885.205
1559	RND3	1495.798	-1.15856	0.127814	-9.06439	1.25E-19	2.14E-18	1959.642	2378.504	1856.907	959.8146	930.5131	889.4068
12938	LOC11962	40.95641	-1.15868	0.523028	-2.21533	0.026738	0.054941	63.96619	26.82318	78.61764	17.85702	36.36488	22.10955
1437	RNF144A	1050.247	-1.15882	0.123072	-9.41577	4.70E-21	8.69E-20	1408.34	1562.861	1386.593	598.21	646.0114	699.4657
5687	ANKRD61	138.6894	-1.15916	0.267557	-4.3324	1.47E-05	6.89E-05	171.2993	231.5552	169.7585	107.1421	77.00798	75.37346
1849	LOC10321	699.6538	-1.15984	0.139537	-8.31203	9.41E-17	1.35E-15	1025.627	917.4622	961.5008	448.6575	374.3444	470.3304
15391	BMP5	16.03126	-1.15995	0.658544	-1.76139	0.078173	0.135029	24.39389	24.63353	17.39328	11.16063	8.556443	10.04979
6549	LOC10321	105.0293	-1.16026	0.296013	-3.91962	8.87E-05	0.00036	169.673	111.672	154.4524	71.42806	55.61688	67.33362
797	IMPDPH2	9139.9	-1.16031	0.095922	-12.0964	1.10E-33	3.68E-32	13080	12318.41	12501.6	5401.747	5317.829	6219.818
3309	RANGRF	610.1775	-1.16049	0.192343	-6.03344	1.61E-09	1.29E-08	916.126	687.0018	928.1056	450.8897	275.9453	402.9968
10100	LOC10322	57.8851	-1.16103	0.408976	-2.83886	0.004527	0.011917	97.03346	48.71965	94.61947	31.24978	38.50399	37.18424
10429	LOC11961	76.51393	-1.16171	0.420791	-2.76078	0.005766	0.014699	85.10756	165.3184	67.48594	29.01765	59.8951	52.25893
5571	LOC10324	108.4019	-1.16178	0.264948	-4.38494	1.16E-05	5.54E-05	151.7842	160.3917	137.7548	66.96381	64.17332	69.34358
1516	CHMP4C	770.1462	-1.16202	0.126339	-9.19766	3.66E-20	6.42E-19	1020.749	1126.574	1042.901	482.1394	496.2737	452.2408
11257	GPR132	38.58	-1.1629	0.452748	-2.56854	0.010213	0.024119	65.05036	41.6033	53.57132	29.01765	17.11289	25.12449
6734	LOC11962	112.8176	-1.16303	0.302647	-3.84287	0.000122	0.00048	134.4374	197.0683	133.5804	84.82083	72.72976	54.26889
2658	CRABP1	327.7807	-1.16319	0.169029	-6.88163	5.92E-12	5.92E-11	441.8004	488.2913	428.5705	216.5163	192.52	198.9859
712	MYO1D	10837.61	-1.16533	0.091551	-12.7288	4.09E-37	1.53E-35	14745.83	15756.7	14480.95	6486.561	6365.993	7189.623
16508	LOC11961	14.04979	-1.16536	0.74049	-1.57377	0.115541	0.18607	26.56223	13.6853	18.78475	8.928508	4.278221	12.05975
994	DEPDC1	3114.68	-1.16567	0.105941	-11.003	3.70E-28	9.89E-27	4081.368	4766.315	4074.203	1921.861	2002.208	1842.127



19416	LOC103221	6.56773	-1.16819	1.047143	-1.1156	0.264593	0.36229	10.29964	6.568942	11.1317	2.232127	2.139111	7.034856
8501	CUNH4orf4	89.26493	-1.1685	0.358835	-3.25638	0.001128	0.003529	149.0738	74.99542	145.4079	53.57105	66.31243	46.22906
22720	LOC119624	1.71328	-1.16852	1.930363	-0.60534	0.544954	0.63763	2.710432	1.642235	2.782925	0	2.139111	1.004979
2910	LOC119623	384.9329	-1.16885	0.17884	-6.53574	6.33E-11	5.78E-10	577.322	464.7526	552.4107	232.1412	275.9453	207.0258
14248	TRNAD-GU	20.34432	-1.16921	0.594035	-1.96825	0.049039	0.091495	22.22554	32.2973	30.61218	11.16063	10.69555	15.07469
7383	LOC119620	73.49515	-1.16928	0.324205	-3.60662	0.00031	0.001117	105.7068	106.7453	94.61947	35.71403	44.92132	53.26391
4713	ARHGAP27	140.0818	-1.16967	0.23983	-4.87707	1.08E-06	6.07E-06	187.5619	188.8571	203.1536	89.28508	96.25998	75.37346
2212	LOC103211	447.5295	-1.17023	0.154343	-7.58202	3.40E-14	4.09E-13	588.7058	605.9849	660.2491	287.9444	293.0582	249.2349
16855	LOC103231	12.75472	-1.17026	0.77253	-1.51484	0.129812	0.204759	22.76763	20.25424	10.43597	4.464254	8.556443	10.04979
13311	TMEM150	35.02988	-1.17048	0.545743	-2.14474	0.031974	0.063858	46.07734	53.09895	45.22254	8.928508	42.78221	14.06971
646	UHRF1	5816.536	-1.17095	0.088905	-13.1709	1.29E-39	5.31E-38	8035.346	8136.182	8004.389	3392.833	3514.559	3815.907
10623	LOC103218	39.56227	-1.17098	0.431554	-2.7134	0.00666	0.016666	62.33993	45.43518	56.35424	22.32127	27.80844	23.11453
12258	LOC119627	37.19686	-1.17196	0.497848	-2.35405	0.01857	0.040274	34.69353	76.63765	42.43961	26.78552	23.53022	19.09461
834	RBFox2	13524.07	-1.17215	0.098896	-11.8524	2.09E-32	6.67E-31	18294.33	20356.6	17561.65	7917.354	8025.943	8988.536
16995	LOC103220	12.19755	-1.17216	0.785246	-1.49273	0.135508	0.211972	11.38381	25.72836	13.91463	6.696381	6.417332	9.044815
1361	JMY	1830.004	-1.17246	0.121098	-9.68195	3.60E-22	7.03E-21	2343.981	2905.114	2357.834	1122.76	1101.642	1148.692
1777	LOC103221	1854.238	-1.17251	0.137651	-8.51794	1.62E-17	2.43E-16	2828.065	2068.669	2808.668	1169.635	1135.868	1114.522
2241	NPM3	4106.579	-1.17258	0.155757	-7.52822	5.14E-14	6.10E-13	6263.808	4147.192	6655.366	2575.875	2571.211	2426.02
2127	CRLF1	669.9478	-1.17302	0.151568	-7.73925	1.00E-14	1.25E-13	1010.449	788.8204	988.6343	410.7114	382.9008	438.171
19249	LOC119620	7.791761	-1.17308	1.024493	-1.14504	0.252194	0.348308	7.589209	15.87494	8.348776	2.232127	10.69555	2.009959
919	PTRH2	1592.289	-1.17336	0.102925	-11.4001	4.18E-30	1.21E-28	2124.979	2285.444	2204.773	1004.457	990.4082	943.6757
7600	LOC119625	100.4378	-1.17353	0.332822	-3.526	0.000422	0.001476	161.5417	102.9134	150.278	87.05295	55.61688	45.22408
2137	LOC103214	15514.8	-1.17362	0.152113	-7.71544	1.21E-14	1.50E-13	24686.07	15573.32	24239.28	9642.789	9112.611	9834.729
3953	PAR6G	188.989	-1.17374	0.217043	-5.40788	6.38E-08	4.29E-07	256.9489	271.5163	254.6377	107.1421	141.1813	102.5079
5011	LOC119625	172.6298	-1.17383	0.250762	-4.68105	2.85E-06	1.51E-05	270.5011	226.6285	217.0682	95.98146	141.1813	84.41828
18979	LOC103231	7.633516	-1.17416	0.98756	-1.18895	0.234461	0.328423	13.55216	13.13788	5.565851	2.232127	4.278221	7.034856
1242	ZRANB3	1175.718	-1.17431	0.117095	-10.0287	1.14E-23	2.44E-22	1659.326	1700.261	1527.826	776.7802	669.5416	720.5703
4799	LOC103231	360.5062	-1.17432	0.243918	-4.81442	1.48E-06	8.18E-06	652.672	331.7316	517.6241	191.9629	211.772	257.2747
17473	LOC119627	10.86206	-1.17499	0.830104	-1.41548	0.156929	0.23877	11.38381	20.80165	12.52316	11.16063	4.278221	5.024897
2738	CUNH17orf	365.8464	-1.17629	0.173124	-6.79448	1.09E-11	1.06E-10	565.9382	457.6363	495.3607	220.9806	248.1368	207.0258
1408	SMAD7	1228.951	-1.17679	0.123877	-9.49965	2.11E-21	3.98E-20	1722.75	1802.08	1584.876	845.9761	682.3763	735.645
23830	LOC119625	0.826426	-1.17688	2.715909	-0.43333	0.664776	0.741631	2.710432	0.547412	0.695731	0	0	1.004979
18082	LOC119615	9.24792	-1.17818	0.88902	-1.32526	0.185086	0.272123	7.589209	19.15941	11.82743	4.464254	6.417332	6.029877
4919	LOC119627	143.7468	-1.17823	0.248901	-4.73373	2.20E-06	1.19E-05	222.7975	204.1846	172.5414	93.74933	72.72976	96.47803
16265	LOC103211	14.89413	-1.17935	0.730484	-1.61448	0.106423	0.173947	28.73058	11.49565	21.56767	6.696381	12.83466	8.039836
3945	LOC103241	184.0906	-1.17936	0.217969	-5.41069	6.28E-08	4.23E-07	269.4169	251.262	246.2889	91.51721	130.4858	115.5726
4349	LOC119627	438.4817	-1.17936	0.230395	-5.11887	3.07E-07	1.88E-06	744.8267	393.5891	686.6869	296.8729	239.5804	269.3345
960	SPAG5	5101.149	-1.17978	0.105708	-11.1608	6.35E-29	1.76E-27	7443.93	6965.268	6836.952	2892.837	2960.529	3507.378
5251	LOC119624	134.751	-1.1802	0.259234	-4.55264	5.30E-06	2.68E-05	174.5518	226.0811	160.7139	82.5887	79.14709	85.42325
3129	LOC103221	3121.87	-1.18037	0.188999	-6.24541	4.23E-10	3.59E-09	5053.329	2774.283	5168.588	2044.628	1816.105	1874.287
4854	LOC119627	144.9776	-1.18124	0.247209	-4.77832	1.77E-06	9.68E-06	190.8144	222.2492	193.4133	89.28508	70.59065	103.5129
1196	ZNFX18B	2114.01	-1.18138	0.11629	-10.1589	3.02E-24	6.72E-23	2771.688	3297.061	2735.616	1341.508	1208.598	1329.588
1666	RNA5H2B	1033.512	-1.18143	0.134176	-8.80507	1.31E-18	2.09E-17	1483.148	1262.332	1552.872	685.263	639.5941	577.8632
23768	LOC119618	0.829088	-1.18196	2.671135	-0.44249	0.658132	0.736134	1.084173	2.189647	0.695731	0	0	1.004979
14194	VEGFD	36.04474	-1.18236	0.597682	-1.97824	0.047902	0.089719	58.54533	47.07742	44.52681	2.232127	42.78221	21.10457
5090	LOC119620	120.8864	-1.18237	0.254883	-4.63888	3.50E-06	1.83E-05	174.0097	154.9175	176.02	73.66019	66.31243	80.39836
5868	LOC119625	151.0185	-1.18243	0.279314	-4.23333	2.30E-05	0.000104	253.6964	145.6115	228.8956	104.91	85.56443	87.43321
2104	LOC103221	3159.101	-1.18262	0.151742	-7.79359	6.51E-15	8.23E-14	4719.404	3329.906	5104.581	2031.236	2010.764	1758.714
9821	LOC119620	51.03933	-1.18376	0.408133	-2.90042	0.003727	0.010088	78.06044	74.44801	62.61582	20.08914	27.80844	43.21412
2292	DTYMK	1039.428	-1.18517	0.159425	-7.43398	1.05E-13	1.22E-12	1620.296	1117.268	1596.703	609.3707	624.6203	668.3113
2580	LOC119625	2877.129	-1.1856	0.169123	-7.01029	2.38E-12	2.45E-11	4838.121	2819.171	4336.494	1716.506	1679.202	1873.282
2634	LOC103220	478.2221	-1.18589	0.171351	-6.92081	4.49E-12	4.53E-11	706.8806	541.3903	744.4326	303.5693	286.6408	286.4191
1530	TMEM209	1775.069	-1.18597	0.129532	-9.15575	5.40E-20	9.38E-19	2255.621	2891.977	2249.995	1129.456	1046.025	1077.338
2943	LOC103241	280.2765	-1.18612	0.182638	-6.49439	8.34E-11	7.53E-10	419.0328	366.2185	379.8693	187.4987	173.268	155.7718
8063	LOC119625	87.40637	-1.18755	0.349744	-3.3955	0.000685	0.002259	121.4273	146.7064	97.40239	29.01765	70.59065	59.29379
14865	LOC119615	17.35687	-1.18793	0.638675	-1.85999	0.062886	0.112476	29.27266	18.612	24.3506	11.16063	10.69555	10.04979
5051	HTR1D	146.1995	-1.18798	0.254946	-4.65972	3.17E-06	1.67E-05	177.8043	242.5034	188.5432	104.91	77.00798	86.42823
675	NOL11	4103.965	-1.18807	0.091599	-12.9704	1.80E-38	7.10E-37	5582.405	5971.715	5565.155	2468.732	2410.778	2625.006
1263	QKI	16750.52	-1.18829	0.119344	-9.95685	2.35E-23	4.95E-22	21364.71	27535.36	20955.43	9883.858	9901.943	10861.82
670	CHRD1	9044.425	-1.18831	0.091381	-13.0039	1.16E-38	4.62E-37	12729.27	13025.66	11970.75	5283.445	5337.081	5920.334
1694	CUNH17orf	1151.344	-1.18848	0.135928	-8.74347	2.26E-18	3.55E-17	1784.548	1377.288	1644.013	687.4951	660.9852	753.7346
23880	USP51	1.095691	-1.18864	2.789184	-0.42616	0.66999	0.745883	3.794605	0.547412	0	2.232127	0	0
2826	TMEM234	333.8033	-1.18866	0.178615	-6.65486	2.84E-11	2.67E-10	522.0292	416.5804	456.3998	194.195	192.52	221.0955
1717	BMPR2	11323.12	-1.18879	0.136845	-8.68716	3.72E-18	5.75E-17	13388.99	19582.02	14254.84	6729.863	6753.172	7229.822
7528	LOC119627	84.01489	-1.18886	0.334928	-3.5496	0.000386	0.001362	114.3802	143.9693	89.74935	58.0353	57.75599	40.19918
24165	TRNAP-AG	1.101904	-1.18902	3.124955	-0.38049	0.703581	0.774009	0	4.379295	0	2.232127	0	0
1178	FOXp1	6141.462	-1.1896	0.116244	-10.2337	1.40E-24	3.16E-23	7890.067	10001.21	7726.097	3716.491	3756.278	3758.623
2199	RPS13	16571.98	-1.18979	0.156468	-7.60405	2.87E-14	3.47E-13	26245.65	16375.82	26508.76	10116	9730.814	10454.8
11067	LOC119624	39.00918	-1.19063	0.455799	-2.61218	0.008997	0.021612	60.71367	45.98259	54.26705	33.4819	23.53022	16.07967
5478	LOC103230	119.1552	-1.19104	0.269226	-4.42394	9.69E-06	4.70E-05	158.8313	186.6674	153.0609	80.35657	55.61688	80.39836
23262	LOC119624	1.341788	-1.19108	2.290095	-0.52								



10133	LOC103221	46.4651	-1.19139	0.420875	-2.83075	0.004644	0.01218	77.51835	45.43518	70.9646	26.78552	29.94755	28.13943
2674	LOC103246	344.1934	-1.19161	0.173507	-6.8678	6.52E-12	6.48E-11	531.7867	472.9638	433.4406	191.9629	213.9111	221.0955
6378	PSIP1	9630.555	-1.19185	0.298825	-3.98845	6.65E-05	0.000277	10662.84	18933.33	10593.9	5772.28	6032.292	5788.682
13974	DCDC2B	21.60542	-1.19242	0.591255	-2.01677	0.04372	0.083176	38.48813	31.20247	20.87194	11.16063	12.83466	15.07469
925	SLC1A4	5067.324	-1.1935	0.104993	-11.3674	6.08E-30	1.75E-28	6919.733	7458.486	6784.772	3131.674	2746.618	3362.661
1064	LOC103245	3514.78	-1.19372	0.111838	-10.6737	1.35E-26	3.38E-25	4652.727	5485.066	4541.039	2145.074	1991.512	2273.264
23792	LOC119621	1.081963	-1.19416	2.730877	-0.43728	0.661907	0.73961	2.710432	1.642235	0	0	2.139111	0
1669	ATAD5	2194.423	-1.19553	0.135906	-8.7967	1.41E-18	2.24E-17	2837.28	3610.181	2722.397	1194.188	1358.335	1444.155
9098	LOC119620	53.13321	-1.19607	0.387834	-3.08398	0.002042	0.005968	81.31296	58.57306	80.70484	35.71403	36.36488	26.12947
1098	EREG	1795.685	-1.19629	0.113597	-10.531	6.22E-26	1.51E-24	2371.628	2778.662	2350.181	1055.796	1129.45	1088.393
21769	TRNAI-GAI	3.011712	-1.19633	1.563833	-0.765	0.444274	0.542564	6.505036	4.926706	1.391463	2.232127	0	3.014938
1634	LOC119618	795.8714	-1.19661	0.134632	-8.88801	6.22E-19	1.01E-17	1108.567	1223.465	991.4172	488.8358	485.5781	477.3652
4596	LOC119627	405.2222	-1.19675	0.242006	-4.94512	7.61E-07	4.40E-06	713.3857	348.1539	631.7241	232.1412	256.6933	249.2349
12977	LOC119618	29.74049	-1.19709	0.542252	-2.20763	0.02727	0.055866	47.7036	29.01283	45.91827	20.08914	25.66933	10.04979
13587	LOC103221	31.82671	-1.19725	0.572336	-2.09186	0.036451	0.071322	49.32986	24.08612	61.22436	8.928508	19.252	28.13943
6940	RPS5	28855.55	-1.19774	0.318446	-3.76119	0.000169	0.000648	49661.07	22824.34	48085.47	17171.75	16400.56	18990.09
1485	CCDC85C	1656.414	-1.19786	0.128913	-9.29199	1.51E-20	2.71E-19	2554.853	2040.751	2330.7	1037.939	889.87	1084.373
866	RECQL	3136.76	-1.19789	0.102371	-11.7014	1.25E-31	3.85E-30	4350.243	4653.548	4099.945	2051.325	1803.27	1862.227
22737	LOC119621	1.757053	-1.19826	1.987421	-0.60292	0.546559	0.639058	0.542086	3.284471	3.478657	2.232127	0	1.004979
2963	CCDC136	410.67	-1.19865	0.185212	-6.47177	9.69E-11	8.69E-10	513.3558	695.213	508.5796	223.2127	267.3888	256.2698
573	MRPS27	3926.371	-1.20012	0.086551	-13.8662	1.02E-43	4.71E-42	5585.116	5390.912	5440.619	2408.465	2308.1	2425.015
22715	LOC119624	1.730356	-1.20071	1.980006	-0.60642	0.544236	0.636931	2.710432	3.831883	0.695731	0	2.139111	1.004979
17404	LOC119626	9.819372	-1.201	0.840584	-1.42876	0.153072	0.23382	16.80468	14.23271	9.740239	6.696381	6.417332	5.024897
798	LOC119618	4372.843	-1.20126	0.099333	-12.0933	1.15E-33	3.82E-32	5896.273	6628.062	5766.222	2540.161	2622.55	2783.793
15061	LOC103221	18.33242	-1.20199	0.659487	-1.82261	0.068362	0.12067	23.30971	36.12918	18.08902	6.696381	10.69555	15.07469
1471	PAWR	1720.152	-1.20249	0.128967	-9.32401	1.12E-20	2.02E-19	2218.76	2794.537	2179.031	1020.082	1099.503	1008.999
4633	LOC103245	398.1721	-1.2028	0.244065	-4.92819	8.30E-07	4.76E-06	700.3756	341.0376	624.7668	223.2127	252.4151	247.2249
4357	FOX11	159.6542	-1.20352	0.235585	-5.10865	3.24E-07	1.98E-06	193.5248	250.7146	221.9383	104.91	98.39909	88.43819
15344	LOC103235	16.66084	-1.20357	0.679344	-1.77167	0.076449	0.132456	31.9831	20.25424	16.69755	11.16063	12.83466	7.034856
7973	JAKMIP1	59.33366	-1.20373	0.352134	-3.41838	0.00063	0.0021	75.89209	90.32295	82.79203	35.71403	32.08666	39.1942
2347	LOC103245	923.548	-1.20503	0.16408	-7.34414	2.07E-13	2.35E-12	1103.688	1611.58	1147.261	578.1209	569.0034	531.6341
2472	RMI2	485.1475	-1.20505	0.168217	-7.16368	7.85E-13	8.45E-12	669.4767	742.8378	622.6796	305.8014	237.4413	332.6482
6147	LOC103211	147.2048	-1.20643	0.294313	-4.09914	4.15E-05	0.000179	250.986	150.5382	217.0682	98.21359	59.8951	106.5278
516	NUP58	6431.876	-1.20738	0.083893	-14.3919	5.82E-47	3.00E-45	9283.771	8965.511	8683.423	3857.115	3824.73	3976.704
14711	LOC119621	23.77534	-1.20739	0.639324	-1.88854	0.058953	0.106537	28.73058	42.15071	29.22072	22.32127	2.139111	18.08963
21530	TRNAL-AAI	3.323801	-1.20782	1.5096	-0.80009	0.423657	0.523127	4.878777	4.379295	4.174388	2.232127	4.278221	0
5369	LOC103246	163.6963	-1.2086	0.269773	-4.48005	7.46E-06	3.69E-05	238.518	177.3614	266.4651	129.4634	91.98176	78.3884
1630	PAAF1	658.6438	-1.20863	0.135773	-8.90182	5.49E-19	8.96E-18	932.3886	892.8287	938.5416	352.6761	404.2919	431.1362
689	CEBPG	4760.818	-1.20868	0.093891	-12.8733	6.36E-38	2.46E-36	6724.581	6881.514	6340.2	2830.337	2723.088	3065.187
1676	RPLP0	82028.71	-1.20933	0.137624	-8.78719	1.53E-18	2.43E-17	132055.5	88557.55	122974.7	48934.92	46504.27	53145.32
2895	POU6F1	261.7589	-1.20989	0.184595	-6.55428	5.59E-11	5.13E-10	363.1979	389.2098	344.387	169.6417	143.3204	160.7967
12048	NKX3-2	29.2972	-1.21039	0.504828	-2.39763	0.016502	0.036409	39.5723	36.12918	46.614	24.5534	12.83466	16.07967
14470	LRRC43	22.29798	-1.21044	0.62715	-1.93007	0.053598	0.09846	31.9831	26.27577	33.39511	17.85702	19.252	5.024897
1442	LOC103221	5048.165	-1.21148	0.128965	-9.39381	5.79E-21	1.07E-19	7087.237	5902.742	8158.842	3272.298	3076.041	2791.833
5344	LOC103247	136.7396	-1.21211	0.269761	-4.49328	7.01E-06	3.49E-05	214.6662	175.1718	181.5859	111.6063	62.03421	75.37346
1183	RGL1	3058.529	-1.21216	0.118715	-10.2107	1.78E-24	3.99E-23	4157.26	4720.332	3950.363	1758.916	1692.037	2072.268
15540	LOC103215	15.4533	-1.21265	0.697807	-1.7378	0.082245	0.14071	22.76763	23.53871	17.39328	11.16063	12.83466	5.024897
20279	CFTR	5.657077	-1.21284	1.234108	-0.98277	0.325722	0.426988	5.96295	6.568942	10.43597	6.696381	4.278221	0
9067	LOC103247	65.3708	-1.21322	0.392494	-3.09104	0.001995	0.005848	102.4543	55.83601	116.1871	40.17829	36.36488	41.20416
3035	SYT7	312.27	-1.21381	0.190787	-6.36213	1.99E-10	1.74E-09	400.6018	486.6491	416.7431	205.3557	207.4937	156.7768
3724	LOC103221	179.7667	-1.21431	0.216213	-5.61629	1.95E-08	1.39E-07	232.013	269.3266	250.4633	116.0706	111.2338	99.49297
9671	LOC103215	46.17444	-1.21435	0.413194	-2.93893	0.003293	0.009054	61.79785	53.64636	79.31338	22.32127	27.80844	32.15934
1699	LOC103235	1108.884	-1.21436	0.139064	-8.73243	2.49E-18	3.90E-17	1624.091	1297.913	1728.197	642.8526	690.9327	669.3163
1167	SDCCAG8	2041.397	-1.21439	0.118213	-10.2729	9.34E-25	2.13E-23	2736.452	3171.704	2649.345	1147.313	1347.64	1195.926
7237	LOC119621	78.9562	-1.21441	0.332147	-3.65625	0.000256	0.00094	93.78094	139.59	96.70666	49.10679	51.33866	43.21412
1606	CASK	2650.706	-1.21444	0.135476	-8.96429	3.12E-19	5.17E-18	3476.4	4359.588	3285.939	1466.507	1520.988	1794.893
14493	TMEM255	23.61675	-1.215	0.630763	-1.92624	0.054075	0.099191	19.51511	45.43518	32.69937	15.62489	21.39111	7.034856
420	RPL23	44435.23	-1.21523	0.078665	-15.4482	7.75E-54	4.91E-52	62910.75	59527.75	63911.28	27292.22	26231.91	26737.48
15544	LOC119621	19.14531	-1.21565	0.699854	-1.737	0.082387	0.140907	41.74065	12.59047	25.04633	15.62489	12.83466	7.034856
1353	OXCT1	2803.867	-1.21578	0.125209	-9.71002	2.73E-22	5.37E-21	3618.427	4610.302	3533.62	1696.417	1610.75	1753.689
1541	LOC119618	796.4323	-1.21637	0.133415	-9.1172	7.71E-20	1.33E-18	1035.385	1219.634	1090.211	462.0503	457.7697	513.5445
4694	LOC103221	179.8913	-1.21644	0.248886	-4.88751	1.02E-06	5.78E-06	285.1374	202.5424	270.6395	102.6778	87.70354	130.6473
22044	LOC119618	2.413646	-1.2165	1.695242	-0.71759	0.473008	0.570446	5.96295	2.189647	2.087194	2.232127	0	2.009959
17813	KRT85	10.66039	-1.21685	0.885185	-1.37469	0.169228	0.252565	7.589209	14.78012	22.2634	11.16063	2.139111	6.029877
17854	LOC119621	10.32376	-1.217	0.889255	-1.36856	0.171138	0.254829	11.9259	10.94824	19.48048	11.16063	6.417332	2.009959
15101	KKRX	16.25889	-1.21721	0.671065	-1.81384	0.069702	0.122709	26.02015	25.72836	16.00182	8.928508	12.83466	8.039836
16233	TRNAK-UU	14.58739	-1.21771	0.751183	-1.62106	0.105006	0.171969	11.9259	32.84471	16.00182	11.16063	8.556443	7.034856
19700	HMX2	6.780836	-1.21793	1.138416	-1.06985	0.284687	0.384183	8.673382	9.853413	9.044508	6.696381	6.417332	0
1234	NIPAL1	1093.067	-1.21808	0.1212	-10.0502	9.17E-24	1.98E-22	1511.337	1643.878	1426.249	674.1023	688.7936	614.0425
736	PPP1R8	2024.671	-1.21851	0.096935	-12.5705	3.07E-36	1.11E-34	2809.634	2837.783	2846.933	1281.241	1176.511	1195.926
3012	LOC103221	11414.5	-1.21852	0.19034	-6.4018	1.54E-10	1.36E-09	18732.88	9825.49				



1671	HDGFL3	4887.733	-1.22007	0.138704	-8.79619	1.42E-18	2.25E-17	6004.691	8439.448	6072.343	2810.248	3161.606	2838.062
4670	SYNGR3	160.2894	-1.22026	0.248818	-4.90421	9.38E-07	5.34E-06	237.9759	175.7192	259.5078	91.51721	100.5382	96.47803
1792	SEMA5A	505.0214	-1.22035	0.144022	-8.4734	2.38E-17	3.54E-16	699.8335	744.4801	679.0338	285.7123	299.4755	321.5934
15740	SLC10A6	14.43628	-1.22047	0.713059	-1.71159	0.086972	0.146896	20.0572	20.80165	18.78475	13.39276	8.556443	5.024897
13754	LOC103232	24.97458	-1.22064	0.593351	-2.0572	0.039667	0.076673	26.56223	40.50847	38.96096	4.464254	19.252	20.09959
1998	CUHNH17or	429.1525	-1.22087	0.152563	-8.00239	1.22E-15	1.62E-14	606.0526	566.0238	628.9412	276.7837	243.8586	253.2548
923	TRIM37	7695.838	-1.22101	0.107337	-11.3755	5.54E-30	1.59E-28	10263.32	12241.22	9811.9	4551.307	4513.524	4793.752
10278	LOC103242	43.57095	-1.22137	0.437132	-2.79405	0.005205	0.013464	68.84497	45.43518	70.26887	22.32127	21.39111	33.16432
1690	DTNB	511.9454	-1.2217	0.139622	-8.75006	2.13E-18	3.35E-17	718.8065	726.9629	706.8631	299.105	297.3364	322.5984
18041	LOC103232	9.545455	-1.22184	0.914401	-1.33622	0.181478	0.267424	16.80468	17.51718	6.261582	2.232127	6.417332	8.039836
17691	PLAC9	11.95539	-1.22191	0.881138	-1.38674	0.165521	0.248736	13.55216	20.80165	14.61036	8.928508	12.83466	1.004979
8571	LOC119616	55.36789	-1.22249	0.37778	-3.23599	0.001212	0.00376	67.7608	81.56436	81.40057	35.71403	40.6431	25.12449
7778	ERICH3	114.823	-1.22292	0.352366	-3.47061	0.000519	0.001775	126.8482	217.3225	134.2762	82.5887	87.70354	40.19918
944	GPD2	2682.34	-1.22347	0.108933	-11.2314	2.86E-29	8.05E-28	3550.666	4206.86	3509.965	1611.596	1615.029	1599.927
3063	SORCS3	250.7016	-1.22354	0.193723	-6.31592	2.69E-10	2.33E-09	366.4504	361.2918	322.1236	149.5525	171.1289	133.6623
1745	MSI1	519.9563	-1.2239	0.142254	-8.60357	7.73E-18	1.18E-16	742.1162	757.618	687.3826	299.105	305.8928	327.6233
5026	ZNF607	123.4935	-1.22412	0.261909	-4.67385	2.96E-06	1.56E-05	184.8515	171.8873	159.3225	75.89232	87.70354	61.30375
3495	ZIC5	195.4568	-1.2245	0.208976	-5.85949	4.64E-09	3.53E-08	269.4169	290.6757	263.6822	102.6778	117.6511	128.6374
2236	RPS23	20876.22	-1.22477	0.162564	-7.53411	4.92E-14	5.85E-13	33464.08	20225.77	34032.4	12854.82	12633.59	12046.69
23649	LOC119616	0.852033	-1.22543	2.653469	-0.46182	0.64421	0.724188	2.168345	0.547412	1.391463	0	0	1.004979
604	RPS4X	62842.69	-1.22595	0.090376	-13.565	6.46E-42	2.84E-40	81687.54	95495.99	86946.25	38245.26	38268.69	36412.42
649	LOC103242	8942.761	-1.22628	0.0933	-13.1434	1.86E-39	7.60E-38	12072.26	12842.83	12664.4	5437.461	5724.26	4915.355
2748	CKAP2L	2648.525	-1.22658	0.181006	-6.77646	1.23E-11	1.19E-10	2989.606	5058.633	3088.352	1426.329	1593.637	1734.595
21150	LOC103232	3.562327	-1.22709	1.429527	-0.85839	0.390677	0.491112	7.589209	3.831883	3.478657	4.464254	0	2.009959
18285	SP5	7.75112	-1.22752	0.954052	-1.28663	0.198222	0.288199	8.673382	14.23271	9.740239	6.696381	2.139111	5.024897
10433	LOC119616	55.39498	-1.22827	0.445094	-2.75958	0.005788	0.014748	94.32303	41.6033	98.09812	33.4819	25.66933	39.1942
2070	KLHL29	513.3667	-1.22839	0.156479	-7.85016	4.16E-15	5.34E-14	755.6684	696.3078	712.4289	252.2303	320.8666	342.698
15145	AHSJ	23.67218	-1.22892	0.680134	-1.80687	0.070782	0.124248	42.28274	26.82318	28.52499	17.85702	23.53022	3.014938
2447	COLEC12	603.6282	-1.22936	0.170742	-7.20007	6.02E-13	6.54E-12	786.0252	1028.587	725.6478	325.8905	380.7617	374.8573
17436	LOC119622	9.54198	-1.2294	0.865581	-1.42032	0.155515	0.237117	14.09425	14.23271	11.82743	8.928508	2.139111	6.029877
26952	TRNAE-UU	0.361391	-1.22974	3.978638	-0.30909	0.757256	NA	2.168345	0	0	0	0	0
1427	NTN4	883.6577	-1.23011	0.130268	-9.44293	3.63E-21	6.75E-20	1177.954	1370.172	1171.612	493.3001	541.195	547.7138
15225	SULT1B1	18.48121	-1.23021	0.686797	-1.79122	0.073258	0.127919	22.76763	20.80165	32.69937	15.62489	14.97377	4.019918
15743	LOC103222	20.80432	-1.2303	0.719609	-1.70968	0.087324	0.147463	21.14137	52.55153	14.61036	4.464254	14.97377	17.08465
8086	LOC119622	57.2337	-1.23031	0.363325	-3.38626	0.000709	0.00233	73.72375	90.32295	76.53045	29.01765	40.6431	33.16432
3743	LOC119622	263.4357	-1.23061	0.219711	-5.60103	2.13E-08	1.51E-07	335.5515	449.9725	322.8194	185.2665	126.2075	160.7967
21789	LOC119628	3.468987	-1.23148	1.617711	-0.76125	0.446508	0.54479	5.96295	3.284471	4.87012	6.696381	0	0
5433	LOC103222	158.4619	-1.23158	0.277055	-4.44525	8.78E-06	4.30E-05	260.7435	161.4865	247.6804	89.28508	77.00798	114.5677
617	RPL38	28266.85	-1.23216	0.091807	-13.4212	4.54E-41	1.96E-39	39516.47	36678.78	42761.04	17441.84	17035.88	16167.1
1210	YOD1	1156.616	-1.23238	0.121721	-10.1247	4.29E-24	9.44E-23	1594.818	1755.002	1522.956	633.9241	697.3501	735.645
1356	TMEM98	3786.216	-1.23243	0.12706	-9.69956	3.03E-22	5.94E-21	5837.728	4464.143	5640.99	2124.985	2154.084	2495.364
27275	LOC119622	0.362278	-1.23301	3.978477	-0.30992	0.756621	NA	1.626259	0.547412	0	0	0	0
29201	LOC119622	0.362278	-1.23301	3.978477	-0.30992	0.756621	NA	1.626259	0.547412	0	0	0	0
7945	COLEC10	77.73062	-1.23324	0.360044	-3.42525	0.000614	0.002055	102.4543	114.9565	107.1426	37.94616	72.72976	31.15436
1591	NSUN6	666.4929	-1.23439	0.137165	-8.99933	2.27E-19	3.79E-18	930.7623	994.6473	876.6215	392.8543	434.2395	369.8324
19932	CPVL	4.846273	-1.23446	1.185095	-1.04166	0.297571	0.396865	5.96295	9.853413	4.87012	2.232127	2.139111	4.019918
7354	IQCD	69.66478	-1.23527	0.341655	-3.61556	0.0003	0.001083	84.02339	115.5039	92.53227	49.10679	40.6431	36.17926
9848	CCDC200	70.7227	-1.23557	0.426859	-2.89455	0.003797	0.01025	85.10756	123.7151	85.57496	69.19594	40.6431	20.09959
10483	LOC103242	7797.197	-1.23603	0.449659	-2.74882	0.005981	0.015168	13648.65	5045.495	14147	4843.716	4331.699	4766.618
5501	LOC103222	97.9492	-1.23617	0.280326	-4.40976	1.03E-05	5.00E-05	139.8583	133.5685	137.7548	55.80317	68.45154	52.25893
27017	LOC119622	0.363166	-1.23628	3.978316	-0.31075	0.755988	NA	1.084173	1.094824	0	0	0	0
28481	LOC119620	0.363166	-1.23628	3.978316	-0.31075	0.755988	NA	1.084173	1.094824	0	0	0	0
6071	ADGRA2	105.6566	-1.23639	0.298936	-4.13597	3.53E-05	0.000155	143.6529	138.4952	159.3225	66.96381	81.28621	44.2191
17888	LOC119622	9.080944	-1.23651	0.907639	-1.36234	0.173092	0.257248	8.131296	10.40082	20.17621	4.464254	4.278221	7.034856
761	METTL2A	1843.28	-1.23667	0.099529	-12.4253	1.91E-35	6.66E-34	2634.54	2517	2615.254	1044.635	1133.729	1114.522
958	RAD51C	1740.444	-1.23725	0.110829	-11.1636	6.15E-29	1.71E-27	2398.19	2658.779	2272.954	1087.046	1009.66	1016.034
4698	NSG1	119.075	-1.23738	0.2533	-4.88502	1.03E-06	5.85E-06	159.9155	174.6244	166.2798	71.42806	74.86887	67.33362
6854	SOX8	71.63569	-1.23824	0.326367	-3.79403	0.000148	0.000575	98.11763	90.32295	112.7085	42.41041	47.06043	39.1942
1577	CHRN81	1430.692	-1.23857	0.137021	-9.0393	1.58E-19	2.66E-18	1827.373	2382.884	1821.425	823.6549	836.3923	892.4218
2149	SCLT1	1264.268	-1.23949	0.161347	-7.68217	1.56E-14	1.93E-13	1553.62	2250.41	1522.26	781.2444	761.5234	716.5504
26929	LOC119622	0.364054	-1.23954	3.978156	-0.31159	0.755355	NA	0.542086	1.642235	0	0	0	0
27470	LOC119620	0.364054	-1.23954	3.978156	-0.31159	0.755355	NA	0.542086	1.642235	0	0	0	0
27764	LOC119622	0.364054	-1.23954	3.978156	-0.31159	0.755355	NA	0.542086	1.642235	0	0	0	0
1573	EXPH5	2281.103	-1.23965	0.137066	-9.04422	1.51E-19	2.55E-18	2908.293	3886.076	2819.799	1408.472	1311.275	1352.702
4857	PLPPR4	150.4768	-1.24019	0.259749	-4.77454	1.80E-06	9.86E-06	172.9256	255.6413	206.6322	73.66019	100.5382	93.46309
735	STRADB	2891.076	-1.24057	0.098685	-12.571	3.05E-36	1.10E-34	3955.604	4374.368	3856.439	1700.881	1764.766	1694.395
4881	LOC119622	136.544	-1.2414	0.261242	-4.75192	2.01E-06	1.10E-05	215.7504	166.9606	196.1962	64.73168	79.14709	96.47803
696	RPSA	48422.76	-1.24144	0.096663	-12.8429	9.42E-38	3.60E-36	72976.75	60945	70261.91	28801.13	27641.59	29910.2
10848	MIR1915H	36.95111	-1.24256	0.466986	-2.6608	0.007796	0.019101	47.7036	45.43518	61.22436	22.32127	29.94755	15.07469
1520	BST1	665.633	-1.24372	0.13556	-9.17472	4.53E-20	7.92E-19	924.2573	920.1993	968.4581	348.2118	408.5701	424.1013
12016	LOC119622	35.84542	-1.24535	0.51806	-2.40388	0.016222	0.035891	57.46116	26.82318	66.79021	26.78552	17.11289	20.09959
6020	LOC103222	123.568	-1.24554	0.299699	-4.15597	3.24E-05	0.000143	205.9928	117.6935	198			



5715	PRSS35	112.9474	-1.24699	0.288832	-4.31735	1.58E-05	7.35E-05	169.1309	164.771	144.7121	42.41041	81.28621	75.37346
1381	MAGEF1	789.9312	-1.24768	0.129817	-9.61107	7.18E-22	1.38E-20	1108.025	1156.134	1064.469	506.6928	479.1608	425.1063
15404	LOC119625	17.97008	-1.24774	0.70923	-1.75929	0.078529	0.135529	21.14137	24.63353	28.52499	13.39276	17.11289	3.014938
9938	LOC103235	45.37813	-1.24777	0.43369	-2.87709	0.004014	0.010737	71.5554	48.17224	73.74753	20.08914	23.53022	35.17428
15507	LOC119625	14.05741	-1.24805	0.716154	-1.74272	0.081383	0.139522	21.68345	19.70683	17.39328	6.696381	12.83466	6.029877
9958	FRAS1	49.84952	-1.2483	0.434522	-2.87282	0.004068	0.010861	65.59245	71.71095	70.26887	37.94616	38.50399	15.07469
1424	LOC119625	2566.926	-1.24848	0.132091	-9.45164	3.34E-21	6.23E-20	3848.813	2993.795	3996.977	1642.845	1392.561	1526.564
22482	LOC119625	1.777133	-1.24889	1.946275	-0.64168	0.521079	0.616176	4.336691	1.094824	2.087194	0	2.139111	1.004979
1914	MAGI3	728.7256	-1.24924	0.152887	-8.171	3.06E-16	4.25E-15	928.594	1203.211	949.6733	410.7114	412.8484	467.3155
902	KPNA6	5680.509	-1.2507	0.109175	-11.4559	2.20E-30	6.47E-29	8025.047	8367.737	7616.171	3341.494	2966.946	3765.658
3263	PIMREG	404.9102	-1.25124	0.205728	-6.082	1.19E-09	9.67E-09	675.9817	413.2959	621.9838	232.1412	243.8586	242.2001
1915	SLC25A19	413.8897	-1.25135	0.153247	-8.16555	3.20E-16	4.44E-15	602.258	591.7522	557.2808	229.9091	243.8586	258.2797
580	SLC38A2	8257.56	-1.2516	0.090632	-13.8096	2.23E-43	1.02E-41	11636.43	11956.02	11309.81	4705.324	4669.679	5268.102
1564	FZD2	1222.991	-1.25168	0.138179	-9.05837	1.32E-19	2.25E-18	1821.41	1465.969	1881.953	776.7802	648.1505	743.6848
2259	SMIM20	706.1241	-1.25212	0.167032	-7.49628	6.57E-14	7.73E-13	1089.594	784.4411	1108.996	395.0865	455.6306	402.9968
11111	LOC119625	37.66801	-1.25307	0.481439	-2.60276	0.009248	0.022127	68.30288	38.31883	54.26705	17.85702	17.11289	30.14938
706	TXNDC12	2350.2	-1.25335	0.098046	-12.7832	2.03E-37	7.66E-36	3194.515	3522.048	3217.062	1379.454	1403.257	1384.862
23310	LOC103245	1.124848	-1.25362	2.448507	-0.51199	0.608656	0.694171	1.084173	2.737059	0.695731	2.232127	0	0
6533	LOC119625	103.1463	-1.25364	0.319333	-3.92582	8.64E-05	0.000352	157.205	140.6848	141.9292	33.4819	64.17332	81.40334
914	EGFR	9947.548	-1.25495	0.109964	-11.4124	3.63E-30	1.06E-28	13009.53	15838.81	13220.29	5776.745	5480.402	6359.51
20173	TRNAG-UC	5.031724	-1.25496	1.254346	-1.00049	0.317075	0.417753	5.96295	4.926706	11.1317	0	2.139111	6.029877
16616	LOC103235	11.31379	-1.25669	0.807837	-1.55562	0.119798	0.191673	13.01007	14.23271	20.17621	11.16063	4.278221	5.024897
10435	LOC103245	44.60142	-1.25718	0.455697	-2.7588	0.005801	0.01478	70.47123	44.34036	73.74753	37.94616	14.97377	26.12947
11286	LOC119625	29.74475	-1.25728	0.490914	-2.5611	0.010434	0.02458	42.82482	39.41365	44.52681	15.62489	14.97377	21.10457
1155	LOC103235	1205.353	-1.2575	0.122073	-10.3012	6.96E-25	1.60E-23	1729.256	1653.731	1722.631	736.6019	616.0639	773.8342
11573	SLC2A12	28.01866	-1.25752	0.502814	-2.50096	0.012386	0.028452	43.36691	37.224	37.56949	15.62489	19.252	15.07469
2562	STAC	344.1176	-1.25823	0.178943	-7.03149	2.04E-12	2.12E-11	468.9047	522.2309	459.1827	223.2127	220.3284	170.8465
10102	PTGER2	45.72059	-1.2588	0.443444	-2.83869	0.00453	0.011921	65.59245	54.74118	70.9646	42.41041	23.53022	17.08465
467	LOC103225	4305.443	-1.25885	0.084475	-14.9019	3.20E-50	1.82E-48	6137.502	5938.871	6142.612	2560.25	2519.872	2533.553
1043	GCNT2	1326.69	-1.2596	0.116532	-10.809	3.12E-27	7.95E-26	1822.494	2044.036	1744.894	799.1015	797.8883	751.7246
1312	RECQL5	1680.233	-1.2601	0.128387	-9.81486	9.72E-23	1.97E-21	2587.92	2141.475	2390.533	984.368	870.618	1106.482
18451	TRNAK-CU	7.389388	-1.26056	1.002945	-1.25686	0.208804	0.300853	13.01007	5.474118	13.2189	4.464254	2.139111	6.029877
1198	LOC103245	1672.864	-1.26075	0.124158	-10.1543	3.17E-24	7.03E-23	2465.409	2337.996	2289.652	868.2974	941.2087	1134.622
15842	LOC119625	12.56073	-1.26077	0.745027	-1.69225	0.090599	0.152038	15.17842	21.89647	16.00182	6.696381	8.56443	7.034856
9741	CEP126	53.79336	-1.26132	0.432145	-2.91874	0.003515	0.009592	59.08741	85.94365	80.00911	35.71403	44.92132	17.08465
3986	ELAPOR2	167.0749	-1.26203	0.234432	-5.38335	7.31E-08	4.88E-07	220.0871	246.3353	237.9401	93.74933	121.9293	82.40832
1772	EIF2B3	864.4666	-1.26255	0.148092	-8.52546	1.52E-17	2.28E-16	1329.196	1015.449	1317.715	531.2462	470.6043	522.5893
13726	LOC103245	20.69392	-1.26266	0.611358	-2.06534	0.03889	0.075324	34.15144	21.89647	32.00364	15.62489	6.417332	14.06971
921	CDC7	1933.476	-1.26407	0.110915	-11.3968	4.34E-30	1.25E-28	2542.385	3007.481	2640.996	1095.974	1174.372	1139.647
5321	LOC103215	101.2462	-1.26448	0.280503	-4.50792	6.55E-06	3.27E-05	136.6058	139.59	152.3652	71.42806	49.19955	58.28881
1282	PEF1	1700.54	-1.26515	0.127781	-9.90087	4.13E-23	8.56E-22	2648.634	2059.911	2501.85	959.8146	964.7389	1068.293
5087	KCNJ14	133.2877	-1.26665	0.273006	-4.63964	3.49E-06	1.82E-05	202.7403	165.8658	194.1091	64.73168	106.9555	65.32367
13812	TRNAA-CG	21.0144	-1.26673	0.619284	-2.04548	0.040807	0.078545	34.15144	30.10765	25.04633	4.464254	19.252	13.06473
10231	LOC119625	64.07248	-1.26772	0.451467	-2.808	0.004985	0.012954	62.88202	147.2538	59.8329	42.41041	44.92132	27.13445
19698	PI3	5.373527	-1.26773	1.18422	-1.07052	0.284387	0.383817	7.047123	6.02153	9.740239	0	6.417332	3.014938
907	H1FO	14566.37	-1.26844	0.110942	-11.4334	2.85E-30	8.35E-29	19675.02	23655.85	18434.1	8470.922	8177.82	8984.516
2687	CENPX	808.3164	-1.26961	0.185321	-6.85088	7.34E-12	7.26E-11	1282.576	829.8763	1319.107	473.2109	423.5439	521.5843
1749	STXBP6	550.3421	-1.26981	0.147763	-8.59355	8.43E-18	1.28E-16	801.2037	795.9368	742.3454	321.4263	282.3626	358.7777
18422	TRNAA-CG	8.308558	-1.27038	1.007088	-1.26144	0.207149	0.29894	13.01007	8.211177	13.91463	0	10.69555	4.019918
11615	HPGD	30.20741	-1.27063	0.51018	-2.49055	0.012754	0.029193	47.7036	40.50847	38.26523	22.32127	21.39111	11.05477
2401	LOC103225	5687.345	-1.27186	0.174974	-7.26882	3.63E-13	4.01E-12	9126.024	5372.3	9632.401	3477.654	3219.362	3296.333
7130	ADCY5	80.45899	-1.27251	0.345205	-3.68623	0.000228	0.000849	103.5385	118.7884	115.4914	58.0353	57.75599	29.1444
1260	LOC103215	1704.974	-1.27261	0.127544	-9.97783	1.91E-23	4.02E-22	2562.442	2142.022	2538.724	982.1359	892.0091	1112.512
943	PXDN	2259.11	-1.27274	0.113287	-11.2346	2.76E-29	7.77E-28	3083.387	3436.651	3076.524	1256.687	1232.128	1469.28
1059	ADGRA3	1689.093	-1.27316	0.118969	-10.7016	1.00E-26	2.51E-25	2300.072	2675.749	2194.337	1017.85	930.5131	1016.034
21314	LOC119615	3.451839	-1.27434	1.533861	-0.8308	0.406085	0.50651	2.168345	4.379295	7.653045	2.232127	4.278221	0
14563	MOGAT1	15.6066	-1.27442	0.666248	-1.91283	0.05577	0.101802	23.30971	19.70683	22.95914	8.928508	10.69555	8.039836
23811	TRNAR-CC	0.876753	-1.27478	2.929147	-0.4352	0.663415	0.740703	2.168345	0	2.087194	0	0	1.004979
5200	TRIM63	100.1095	-1.27493	0.278455	-4.57858	4.68E-06	2.39E-05	147.4475	135.2107	141.9292	51.33892	68.45154	56.27885
9130	LOC103225	2642.09	-1.2752	0.415015	-3.07266	0.002122	0.006178	4657.606	1852.442	4708.014	1546.864	1486.682	1600.932
6005	TENT5A	94.66323	-1.27522	0.306443	-4.16136	3.16E-05	0.00014	117.0907	166.9606	116.8829	58.0353	57.75599	51.25395
17661	KCNJ13	8.830229	-1.27567	0.914975	-1.39421	0.163253	0.245743	16.80468	10.40082	9.740239	4.464254	8.556443	3.014938
23490	LOC103245	0.879416	-1.27587	2.622857	-0.48644	0.626652	0.709219	0.542086	1.642235	2.087194	0	0	1.004979
1114	EPB41	2687.214	-1.27631	0.122003	-10.4613	1.30E-25	3.10E-24	3560.423	4406.118	3447.349	1609.364	1475.986	1624.047
18026	LOC103235	8.208878	-1.27759	0.954534	-1.33844	0.180752	0.266575	9.757555	15.32753	9.044508	6.696381	6.417332	2.009959
1862	MECR	1277.773	-1.27801	0.154483	-8.27279	1.31E-16	1.87E-15	2027.403	1546.438	1858.298	823.6549	596.8119	814.0334
2142	PHF7	382.5161	-1.27884	0.166038	-7.70208	1.34E-14	1.66E-13	539.918	593.9418	492.5778	205.3557	233.1631	230.1403
1506	CLSTN3	522.2523	-1.27948	0.138513	-9.23729	2.53E-20	4.46E-19	730.1903	761.9972	725.6478	308.0335	310.171	297.4739
1902	L3HYPDH	429.3634	-1.27989	0.156193	-8.19428	2.52E-16	3.52E-15	629.3623	576.4246	618.5052	225.4448	280.2235	246.22
2362	PNMA2	304.9846	-1.28014	0.174765	-7.32492	2.39E-13	2.69E-12	455.3526	407.8218	433.4406	191.9629	160.4333	180.8963
794	CSRP1	9340.067	-1.28126	0.105633	-12.1								



2445	NLE1	1198.458	-1.28511	0.178472	-7.20059	6.00E-13	6.52E-12	2000.841	1271.09	1833.252	622.7634	641.7332	821.0682
11824	LOC119620	32.1432	-1.28565	0.526208	-2.44324	0.014556	0.032728	55.29281	45.43518	34.09084	22.32127	25.66933	10.04979
6964	LOC10322	74.11298	-1.28589	0.342826	-3.75084	0.000176	0.000673	97.03346	130.284	89.74935	35.71403	40.6431	51.25395
5908	HOXA1	86.16809	-1.28604	0.305679	-4.20714	2.59E-05	0.000116	105.7068	133.5685	128.7103	42.41041	51.33866	55.27387
3489	CEP112	202.6188	-1.28621	0.21925	-5.86642	4.45E-09	3.39E-08	261.2856	308.1929	290.12	107.1421	145.4595	103.5129
900	SLC22A15	1525.251	-1.28625	0.112198	-11.4641	2.00E-30	5.90E-29	2313.083	2075.238	2108.066	828.1191	881.3136	945.6857
1888	TMEM128	928.2917	-1.28652	0.156448	-8.22329	1.98E-16	2.79E-15	1479.354	1068	1405.377	477.6752	577.5599	561.7835
5896	CCL27	101.1926	-1.28658	0.30512	-4.21664	2.48E-05	0.000112	151.2421	142.8745	135.6676	82.5887	38.50399	56.27885
12808	EHF	38.87141	-1.28668	0.575125	-2.23722	0.025272	0.052456	48.24569	60.2153	54.26705	31.24978	34.22577	5.024897
1839	LOC10322	672.8483	-1.28749	0.15436	-8.34084	7.38E-17	1.07E-15	1005.028	798.6738	1061.686	401.7829	367.927	401.9918
1240	LOC11962	1044.06	-1.28768	0.128397	-10.0289	1.14E-23	2.44E-22	1459.839	1544.796	1447.817	593.7458	534.7777	683.386
14606	CRYM	17.66569	-1.28791	0.676068	-1.905	0.05678	0.103347	24.39389	16.42235	34.09084	15.62489	6.417332	9.044815
829	DNAJC24	1236.707	-1.28915	0.108528	-11.8784	1.53E-32	4.91E-31	1715.703	1810.838	1737.937	696.4236	750.8278	708.5105
614	DSE	3666.334	-1.28922	0.095774	-13.461	2.65E-41	1.15E-39	5125.969	5441.273	5051.01	2104.896	2008.625	2266.229
2972	PPP2R3B	426.0304	-1.28951	0.199558	-6.46183	1.03E-10	9.25E-10	660.2612	506.3559	654.6832	194.195	233.1631	307.5237
842	DHFR	2976.32	-1.28994	0.109179	-11.8149	3.27E-32	1.03E-30	4229.358	4387.506	4059.593	1886.147	1514.49	1780.824
12216	LOC10323	34.39061	-1.29047	0.545869	-2.36407	0.018075	0.039337	30.35684	78.27989	36.87376	20.08914	25.66933	15.07469
1117	DNAJC8	3474.972	-1.291	0.123486	-10.4546	1.40E-25	3.32E-24	4374.095	5823.367	4602.959	2042.396	2000.068	2006.944
1088	EPCAM	1817.758	-1.29142	0.122398	-10.5509	5.03E-26	1.23E-24	2350.486	2962.593	2430.885	1029.011	1065.277	1068.293
766	PPIL3	3556.319	-1.29201	0.104374	-12.3786	3.41E-35	1.18E-33	4720.488	5240.921	5180.416	2084.807	2228.953	1882.327
1737	PHACTR4	1732.352	-1.29323	0.149968	-8.62336	6.50E-18	9.95E-17	2165.093	3054.558	2165.116	993.2965	949.7651	1066.283
1767	RPL13A	41646.8	-1.29433	0.151398	-8.54918	1.24E-17	1.87E-16	66961.76	42629.7	67915.21	24560.09	23904.56	23909.47
9646	LOC11962	101.7501	-1.29569	0.439539	-2.94784	0.0032	0.008819	205.9928	53.64636	175.3243	60.26743	44.92132	70.34856
985	H1-5	14389.69	-1.29621	0.117101	-11.0691	1.77E-28	4.78E-27	21824.94	16912.29	22618.23	8303.512	8331.836	8347.359
1810	KIAA0408	1123.232	-1.29641	0.153788	-8.42983	3.46E-17	5.08E-16	1462.007	1963.019	1365.025	654.0132	631.0376	664.2914
23126	C2CD4B	1.134066	-1.29647	2.401156	-0.53993	0.589243	0.677401	1.084173	2.189647	1.391463	0	2.139111	0
3274	LOC11961	1025.906	-1.2973	0.213802	-6.06774	1.30E-09	1.05E-08	1628.427	905.4191	1840.209	647.3168	573.2817	560.7785
21208	LOC11962	3.192739	-1.29731	1.528095	-0.84897	0.395897	0.496271	1.626259	6.02153	6.261582	2.232127	0	3.014938
673	MMS22L	2917.986	-1.29753	0.099987	-12.9769	1.65E-38	6.53E-37	4174.065	4386.411	3887.747	1589.274	1734.819	1735.6
2922	SMKR1	226.1988	-1.29786	0.199052	-6.52021	7.02E-11	6.39E-10	325.7939	301.6239	337.4297	147.3204	113.3729	131.6523
4570	PABPC3	154.5458	-1.29899	0.261906	-4.95976	7.06E-07	4.11E-06	201.114	264.9473	192.7176	111.6063	68.45154	88.43819
9604	VSTM4	71.77108	-1.29922	0.438859	-2.96046	0.003072	0.008503	91.6126	106.1979	105.0554	37.94616	72.72976	17.08465
661	AXL	30625.57	-1.2994	0.099471	-13.0631	5.35E-39	2.15E-37	45567.78	41362.44	43747.59	17185.15	16240.13	19650.36
1985	CHST14	444.9551	-1.29958	0.161934	-8.0254	1.01E-15	1.36E-14	680.3184	590.1099	633.8113	236.6055	237.4413	291.444
3159	CCDC171	265.6382	-1.29995	0.209399	-6.20801	5.37E-10	4.52E-09	352.8982	429.7183	347.8657	136.1597	192.52	134.6672
17298	LOC11962	10.04614	-1.3002	0.897567	-1.44858	0.147455	0.226621	16.80468	7.116354	19.48048	6.696381	2.139111	8.039836
8544	LOC11962	64.23381	-1.30105	0.401355	-3.24164	0.001188	0.003697	115.4644	60.76271	98.79385	44.64254	23.53022	42.20914
1423	CADM1	1298.743	-1.3011	0.137639	-9.45305	3.29E-21	6.15E-20	1664.747	2171.583	1710.108	709.8164	742.2714	793.9338
12459	LOC11962	26.78602	-1.30201	0.563919	-2.30885	0.020952	0.044707	43.36691	25.72836	46.614	8.928508	14.97377	21.10457
9094	LOC10324	45.90769	-1.30327	0.422424	-3.08522	0.002034	0.005946	62.33993	58.02565	73.74753	29.01765	34.22577	18.08963
10407	LOC10323	40.32708	-1.30336	0.471408	-2.76483	0.005695	0.014549	35.23561	69.5213	66.79021	26.78552	23.53022	20.09959
782	EIF1	6063.901	-1.30353	0.106734	-12.2129	2.65E-34	9.02E-33	8819.745	8183.259	8903.274	3330.333	3202.249	3944.544
2904	LOC11962	347.9297	-1.30405	0.199365	-6.54101	6.11E-11	5.59E-10	578.4062	387.0202	521.1028	185.2665	211.772	204.0108
13521	LOC10324	19.59859	-1.30513	0.620432	-2.10359	0.035415	0.069632	20.59928	32.84471	29.91645	15.62489	8.556443	10.04979
4921	FOX2	136.972	-1.30526	0.275771	-4.73313	2.21E-06	1.19E-05	171.2993	245.7879	170.4542	66.96381	74.86887	92.45811
1631	CCDC150	677.39	-1.30536	0.146733	-8.89614	5.78E-19	9.42E-18	949.7353	1077.854	868.9685	350.4439	404.2919	413.0466
1790	CENPH	498.1528	-1.30594	0.154004	-8.47986	2.25E-17	3.35E-16	636.9515	786.0834	705.4716	276.7837	295.1973	288.4291
5684	CUNH4orf	98.04131	-1.30597	0.301289	-4.33459	1.46E-05	6.83E-05	161.5417	128.0944	132.189	46.87467	49.19955	70.34856
1283	RPL27	31127.74	-1.30611	0.131925	-9.90043	4.14E-23	8.59E-22	46888.3	34892.58	51202.35	18569.06	18071.21	17142.94
993	ADCY3	2429.559	-1.30633	0.118709	-11.0044	3.64E-28	9.74E-27	3673.177	3138.859	3577.451	1366.062	1262.075	1559.728
10465	EPHA6	32.83416	-1.307	0.474779	-2.75286	0.005908	0.015008	44.99317	48.71965	45.91827	15.62489	25.66933	16.07967
16089	CALB1	16.67023	-1.30706	0.793096	-1.64805	0.099343	0.164143	16.26259	33.39212	20.17621	8.928508	19.252	2.009959
22446	LOC11962	1.824254	-1.30752	2.012083	-0.64984	0.515798	0.610911	1.084173	6.02153	0.695731	0	2.139111	1.004979
11459	LOC11962	27.82561	-1.30776	0.517982	-2.52472	0.011579	0.026862	45.53526	31.20247	42.43961	17.85702	12.83466	17.08465
8372	LOC10322	52.7243	-1.30798	0.397333	-3.2919	0.000995	0.00316	81.31296	68.42648	74.44326	44.64254	21.39111	26.12947
7574	LRR9	52.66985	-1.30812	0.370133	-3.5342	0.000409	0.001436	74.80792	73.90059	75.83472	31.24978	32.08666	28.13943
7336	LOC11961	85.2681	-1.30816	0.36137	-3.62	0.000295	0.001068	150.1579	77.73248	137.0591	58.0353	36.36488	52.25893
8722	CCDC39	66.23518	-1.30819	0.409176	-3.19714	0.001388	0.004231	69.92914	130.8314	80.00911	40.17829	51.33866	25.12449
2254	PRR5L	350.522	-1.30897	0.174516	-7.50059	6.35E-14	7.49E-13	565.3961	448.8777	483.5333	203.1236	203.2155	198.9859
338	IPO5	27034.9	-1.309	0.07888	-16.5949	7.59E-62	5.97E-60	39273.62	37793.31	38506.64	15461.94	15037.95	16135.95
13360	LOC10321	21.34947	-1.30909	0.613187	-2.13489	0.03277	0.065208	31.44101	30.65506	30.61218	4.464254	12.83466	18.08963
9316	LOC10321	68.07642	-1.30934	0.432311	-3.02869	0.002456	0.007009	121.4273	47.62483	123.1445	37.94616	32.08666	46.22906
1133	LOC10324	992.3775	-1.30953	0.126132	-10.3823	2.99E-25	7.00E-24	1437.071	1344.443	1461.732	629.4598	502.691	578.8682
20338	LOC10321	4.674477	-1.30998	1.349148	-0.97097	0.331565	0.433409	4.878777	5.474118	9.044508	2.232127	6.417332	0
18878	LOC11961	5.989984	-1.31004	1.085325	-1.20705	0.227413	0.320255	8.673382	10.94824	5.565851	4.464254	4.278221	2.009959
762	ARL5A	4710.263	-1.31059	0.105558	-12.4158	2.14E-35	7.48E-34	6500.7	7517.059	6121.045	2770.07	2699.558	2653.146
7789	LOC11962	53.31729	-1.31091	0.377975	-3.46825	0.000524	0.001788	82.93921	71.71095	73.05179	24.5534	38.50399	29.1444
5270	LOC11961	96.73209	-1.31142	0.288989	-4.53796	5.68E-06	2.87E-05	157.7471	129.7366	126.6231	49.10679	59.8951	57.28383
14540	FGL2	21.60323	-1.31373	0.684962	-1.91796	0.055116	0.100774	31.44101	30.65506	29.22072	4.464254	27.80844	6.029877
459	HMGA1	14667.25	-1.31374	0.087737	-14.9736	1.09E-50	6.33E-49	20546.7	21979.68	20239.52	8321.369	8013.109	8903.113
12253	KNKIN2	24.56499	-1.31378	0.557757	-2.35547	0.018499	0.040134	32.52518	42.69812	29.91			



2987	TMEM79	280.1914	-1.31541	0.204188	-6.44212	1.18E-10	1.05E-09	429.8745	349.2487	422.3089	122.767	186.1026	170.8465
387	LOC103232	16111.14	-1.3155	0.08271	-15.9051	5.84E-57	4.01E-55	22018.46	24215.31	22725.37	9113.774	9401.391	9192.547
3671	LOC10322	179.7869	-1.31586	0.231675	-5.67978	1.35E-08	9.77E-08	253.6964	234.2923	277.5968	122.767	106.9555	83.4133
2339	EGR1	3106.849	-1.31644	0.179008	-7.35409	1.92E-13	2.18E-12	3430.865	6075.176	3795.91	1705.345	1777.601	1856.197
1736	NELFA	822.4551	-1.3171	0.152727	-8.62383	6.47E-18	9.92E-17	1188.795	1115.078	1224.487	497.7643	367.927	540.679
23756	LOC11962	0.891166	-1.31743	2.966723	-0.44407	0.656992	0.73526	3.794605	0.547412	0	0	0	1.004979
10300	LOC10322	33.54649	-1.31756	0.472457	-2.78873	0.005291	0.013658	53.12446	42.15071	47.30973	20.08914	23.53022	15.07469
927	NSF	5485.074	-1.3184	0.116046	-11.361	6.54E-30	1.88E-28	7484.044	9047.075	6963.575	3087.032	3035.398	3293.318
27476	LOC11962	0.386998	-1.32008	3.974316	-0.33215	0.739774	NA	1.626259	0	0.695731	0	0	0
29189	LOC10321	0.386998	-1.32008	3.974316	-0.33215	0.739774	NA	1.626259	0	0.695731	0	0	0
29203	LOC11962	0.386998	-1.32008	3.974316	-0.33215	0.739774	NA	1.626259	0	0.695731	0	0	0
15197	LOC11962	15.38015	-1.32021	0.734893	-1.79647	0.07242	0.126689	28.18849	16.96977	20.87194	2.232127	14.97377	9.044815
15211	XK	13.97822	-1.32057	0.736007	-1.79424	0.072775	0.127192	21.68345	21.34906	16.00182	13.39276	6.417332	5.024897
1367	KDM7A	1597.919	-1.32087	0.136711	-9.66178	4.38E-22	8.52E-21	2061.012	2725.016	2062.148	886.1544	915.5394	937.6458
10505	LIPI	31.78432	-1.32124	0.481581	-2.74354	0.006078	0.015382	44.45108	48.17224	42.43961	22.32127	19.252	14.06971
23690	LOC11961	0.902361	-1.32185	2.906259	-0.45483	0.649233	0.728571	1.626259	0	2.782925	0	0	1.004979
23438	TRNAG-CC	1.171625	-1.3226	2.678917	-0.49371	0.621513	0.704906	2.710432	0	2.087194	2.232127	0	0
27038	TRNAL-UA	0.387886	-1.32323	3.883528	-0.34073	0.733308	NA	1.084173	0.547412	0.695731	0	0	0
29548	LOC11962	0.387886	-1.32323	3.883528	-0.34073	0.733308	NA	1.084173	0.547412	0.695731	0	0	0
718	FBL	4743.033	-1.32361	0.104521	-12.6637	9.40E-37	3.48E-35	7153.372	6644.485	6548.224	2537.928	2556.237	3017.953
578	AQP1	24970.69	-1.32421	0.095763	-13.828	1.73E-43	7.94E-42	37771.49	33440.29	35864.26	13997.67	13298.85	15451.56
8591	LOC10324	47.6223	-1.32461	0.409815	-3.23222	0.001228	0.003801	79.14461	55.28859	70.9646	26.78552	21.39111	32.15934
14213	LOC11962	17.39932	-1.32492	0.670915	-1.9748	0.048291	0.090326	34.15144	22.9913	17.39328	13.39276	6.417332	10.04979
2086	TOMM7	3750.99	-1.32529	0.16959	-7.81464	5.51E-15	7.02E-14	6558.703	3861.99	5669.515	2198.645	1867.444	2349.642
3050	PDE7B	216.2978	-1.32552	0.209107	-6.33897	2.31E-10	2.02E-09	305.1946	315.3092	304.0346	113.8385	151.8769	107.5328
3666	LOC10324	217.8936	-1.3256	0.233255	-5.68307	1.32E-08	9.59E-08	365.9083	235.9345	332.5596	131.6955	117.6511	123.6125
26731	LOC11961	0.388774	-1.32632	3.880395	-0.3418	0.732502	NA	0.542086	1.094824	0.695731	0	0	0
7142	LOC11961	65.13981	-1.32659	0.360144	-3.68349	0.00023	0.000856	110.0435	76.63765	91.14081	37.94616	44.92132	30.14938
4047	LOC11962	153.6687	-1.32722	0.24867	-5.33727	9.44E-08	6.20E-07	197.8615	258.3784	203.1536	100.4457	72.72976	89.44317
1657	CCT6B	633.9022	-1.3273	0.150371	-8.82686	1.08E-18	1.73E-17	981.1763	778.967	960.1093	377.2295	340.1186	365.8125
2013	ZBTB8A	385.4315	-1.32791	0.167128	-7.94545	1.93E-15	2.56E-14	544.7968	599.9633	507.8839	200.8914	245.9977	213.0556
1885	PABPC1	18515.34	-1.32824	0.161464	-8.22626	1.93E-16	2.72E-15	20826.42	35232.52	23393.27	10051.27	10629.24	10959.3
1204	CCNJL	1296.863	-1.32838	0.131075	-10.1345	3.88E-24	8.58E-23	1748.771	2089.471	1731.675	754.4589	658.8461	797.9537
27119	LOC11962	0.389661	-1.32937	3.973887	-0.33453	0.737983	NA	0	1.642235	0.695731	0	0	0
3308	GTPBP6	342.1933	-1.33103	0.220608	-6.03347	1.60E-09	1.29E-08	581.6587	364.5763	527.3644	171.8738	177.5462	230.1403
14848	LOC11962	17.45117	-1.33137	0.714843	-1.86247	0.062537	0.11197	24.93597	21.34906	27.13352	11.16063	17.11289	3.014938
16046	LOC11962	10.70077	-1.33219	0.803743	-1.65748	0.097422	0.161409	16.80468	14.78012	14.61036	6.696381	4.278221	7.034856
20793	LOC11962	3.256592	-1.33221	1.471209	-0.90552	0.365189	0.466919	3.252518	5.474118	5.565851	2.232127	0	3.014938
5456	CABLES1	92.8359	-1.33285	0.3004	-4.43693	9.13E-06	4.45E-05	136.0637	119.3358	141.2335	66.96381	49.19955	44.2191
10298	LOC10323	43.88292	-1.33321	0.477966	-2.78934	0.005281	0.013635	64.50828	63.49977	58.44144	17.85702	44.92132	14.06971
6609	MYO5C	95.1442	-1.33428	0.342199	-3.89913	9.65E-05	0.000388	135.5216	147.8012	121.753	51.33892	81.28621	33.16432
14611	LOC10321	15.23855	-1.33436	0.700525	-1.9048	0.056806	0.103356	21.14137	22.44388	20.87194	13.39276	8.556443	5.024897
964	PRDM5	1428.965	-1.33518	0.119804	-11.1447	7.60E-29	2.09E-27	1896.76	2261.358	1983.53	756.691	851.366	824.0832
11779	LOC11962	25.99717	-1.33556	0.544401	-2.45326	0.014157	0.031951	36.31979	30.65506	45.91827	11.16063	12.83466	19.09461
703	RPA2	1535.006	-1.33642	0.104268	-12.8171	1.31E-37	4.97E-36	2271.884	2185.268	2144.94	848.2083	849.2269	910.5114
14250	LOC10324	16.57892	-1.33645	0.679027	-1.96819	0.049046	0.091502	31.44101	22.44388	16.69755	11.16063	10.69555	7.034856
1534	SRSF4	2646.736	-1.33703	0.146217	-9.14417	6.01E-20	1.04E-18	3312.69	4748.797	3317.247	1477.668	1465.291	1558.723
16347	RPE65	12.0066	-1.33705	0.837646	-1.5962	0.110444	0.179615	14.09425	19.70683	16.69755	6.696381	12.83466	2.009959
11501	LOC11962	33.00506	-1.33778	0.531691	-2.51609	0.011867	0.02743	54.75072	42.69812	43.13534	11.16063	34.22577	12.05975
9132	RSPH9	52.921	-1.33801	0.435501	-3.07234	0.002124	0.006183	89.98634	53.09895	84.87923	15.62489	42.78221	31.15436
9615	LOC11962	36.28674	-1.33835	0.452692	-2.95644	0.003112	0.008606	49.32986	59.12048	48.00546	15.62489	23.53022	22.10955
21793	LOC11962	2.348374	-1.34059	1.762486	-0.76062	0.446883	0.545147	3.252518	4.379295	2.087194	2.232127	2.139111	0
3803	PDK3	139.1521	-1.3407	0.242056	-5.5388	3.05E-08	2.13E-07	189.1881	188.8571	219.8511	80.35657	81.28621	75.37346
5404	JAZF1	90.23945	-1.34082	0.300568	-4.46094	8.16E-06	4.01E-05	125.764	139.0426	121.753	64.73168	44.92132	45.22408
5368	LOC11962	99.59075	-1.34199	0.299524	-4.4804	7.45E-06	3.69E-05	151.2421	151.6331	123.1445	53.57105	72.72976	45.22408
11734	LOC11962	38.23326	-1.34211	0.545092	-2.46217	0.01381	0.031288	58.54533	35.58177	73.05179	8.928508	17.11289	36.17926
2945	SPOCK2	243.7943	-1.34228	0.20674	-6.49262	8.44E-11	7.61E-10	378.9184	325.71	349.2571	131.6955	113.3729	163.8117
3856	LOC10323	134.874	-1.34229	0.244553	-5.48875	4.05E-08	2.79E-07	189.1881	192.1415	196.892	78.12444	85.56443	67.33362
20142	LOC11962	3.732845	-1.34265	1.335964	-1.005	0.314896	0.415625	5.420864	7.116354	3.478657	2.232127	2.139111	2.009959
11128	LOC10323	28.68164	-1.34297	0.517142	-2.5969	0.009407	0.022473	39.5723	42.15071	41.04815	24.5534	10.69555	14.06971
1960	HIST3H2BE	1228.682	-1.34344	0.166445	-8.07141	6.95E-16	9.43E-15	1997.046	1345.538	1950.831	676.3345	622.4812	779.8641
7387	LOC10323	57.55822	-1.34382	0.372787	-3.6048	0.000312	0.001124	83.4813	72.80577	93.228	24.5534	32.08666	39.1942
5785	LOC10324	152.277	-1.34445	0.313904	-4.28299	1.84E-05	8.47E-05	157.205	320.2359	176.7158	82.5887	100.5382	76.37844
851	LOC10324	955.7941	-1.34566	0.114214	-11.7819	4.84E-32	1.51E-30	1385.031	1370.719	1359.459	555.7996	524.0821	539.674
13790	LOC11962	16.37205	-1.34672	0.657574	-2.04801	0.040559	0.078191	24.39389	26.82318	19.48048	8.928508	8.556443	10.04979
3106	HYDIN	275.1804	-1.34685	0.214714	-6.27277	3.55E-10	3.04E-09	371.8712	437.382	370.8248	147.3204	201.0764	122.6075
632	PRELID3B	3129.694	-1.3481	0.101608	-13.2677	3.56E-40	1.50E-38	4404.452	4573.626	4494.425	1776.773	1920.921	1607.967
3049	EFCAB8	288.3829	-1.34971	0.21281	-6.34233	2.26E-10	1.97E-09	489.504	336.1109	414.6559	151.7846	192.52	145.722
16258	LOC11962	11.57481	-1.35045	0.835891	-1.61559	0.106184	0.173631	10.29964	21.34906	17.39328	6.696381	10.69555	3.014938
933	NCKAP5	6942.615	-1.35049	0.119383	-11.3122	1.14E-29	3.25E-28	8859.86	11772.09	9291.492	3881.669	3839.704	4010.873
1033	LOC10323	720.3827	-1.35238	0.124666	-10.848	2.04E-27	5.24E-26	1009.907	1033.514	1062.382	401.7829	410.7092	404.0017
9534	LOC10324	36.97444	-1.35377	0.454929	-2.97578	0.002922	0.008149	63.96619	44.88777	50.09266	24.5534	19.252	19.09461
1334</													



5364	LOC119622	118.295	-1.35471	0.302218	-4.48255	7.38E-06	3.66E-05	176.7202	122.0728	212.8938	66.96381	57.75599	73.3635
2324	TMEM14A	454.8932	-1.35512	0.18371	-7.37642	1.63E-13	1.86E-12	712.8436	534.8213	710.3417	299.105	248.1368	224.1104
9996	LOC10324	32.45901	-1.35532	0.473531	-2.86216	0.004208	0.01119	46.07734	50.9093	42.43961	17.85702	21.39111	16.07967
4036	LOC11962	272.0046	-1.35578	0.253642	-5.34525	9.03E-08	5.95E-07	307.9051	550.1489	314.4706	165.1774	147.5986	146.727
11253	LPA	28.42141	-1.35648	0.527895	-2.56961	0.010181	0.024055	43.36691	33.93953	43.83108	20.08914	19.252	10.04979
380	UAP1	4499.078	-1.35649	0.084499	-16.0534	5.41E-58	3.78E-56	6421.013	6578.248	6412.556	2491.054	2586.185	2505.414
3046	RAB11FIP4	224.8922	-1.35658	0.213787	-6.34546	2.22E-10	1.94E-09	313.868	370.0504	287.3371	140.624	104.8164	132.6573
2614	SNAI2	389.8046	-1.35727	0.195072	-6.95779	3.46E-12	3.52E-11	492.7565	702.8768	486.3162	212.0521	226.7457	218.0805
21017	LOC11962	3.099955	-1.35764	1.546822	-0.8777	0.380108	0.480804	5.420864	4.926706	2.782925	4.464254	0	1.004979
7420	LOC11962	61.0097	-1.35821	0.37809	-3.59228	0.000328	0.001174	88.36008	65.14201	109.2298	37.94616	34.22577	31.15436
7668	LARGE2	54.40105	-1.3585	0.387745	-3.5036	0.000459	0.001591	81.85504	69.5213	82.79203	22.32127	42.78221	27.13445
6756	FOXN3	77.86014	-1.35861	0.354493	-3.83255	0.000127	0.000499	98.11763	140.6848	94.61947	49.10679	53.47777	31.15436
903	HIST1H2AF	3596.684	-1.3587	0.118621	-11.4541	2.24E-30	6.60E-29	5281.547	4463.049	5777.353	2015.611	2139.111	1903.431
15798	LOC10321	13.0438	-1.35912	0.798498	-1.7021	0.088737	0.149327	19.51511	24.63353	13.2189	6.696381	2.139111	12.05975
7540	LOC10322	4570.922	-1.36074	0.383707	-3.54629	0.000391	0.001378	8180.083	3466.759	8092.747	2506.679	2573.35	2605.912
846	RPS27A	31760.89	-1.36104	0.115397	-11.7944	4.17E-32	1.31E-30	48007.71	38235.07	50919.88	18198.53	18238.06	16966.06
17705	LOC10324	9.314416	-1.36359	0.98563	-1.38347	0.166519	0.250038	24.39389	10.40082	4.87012	8.928508	4.278221	3.014938
1022	ELK3	3992.096	-1.3637	0.125102	-10.9007	1.14E-27	2.97E-26	5314.615	6810.35	5128.236	2154.003	2194.728	2350.647
7454	LOC10322	91.44312	-1.36423	0.381066	-3.58004	0.000344	0.001225	113.2961	181.7407	96.70666	64.73168	62.03421	30.14938
2185	ASPSR1	344.6368	-1.3648	0.17859	-7.64207	2.14E-14	2.60E-13	551.3018	434.645	500.9266	203.1236	198.9373	178.8863
2289	LOC10322	620.2875	-1.3655	0.183557	-7.4391	1.01E-13	1.18E-12	788.7357	1139.711	754.8685	339.2833	327.2839	371.8424
11553	LOC11961	35.96264	-1.3656	0.545365	-2.50401	0.012279	0.028258	37.40396	74.44801	42.43961	35.71403	10.69555	15.07469
1038	ACSL6	799.1467	-1.36639	0.126278	-10.8205	2.75E-27	7.05E-26	1166.57	1173.104	1109.692	457.586	474.8826	413.0466
15741	RNLS	11.83143	-1.36674	0.798873	-1.71084	0.087111	0.147122	17.88885	12.04306	20.87194	4.464254	10.69555	5.024897
9688	DCHS1	40.94884	-1.36756	0.466076	-2.93419	0.003344	0.009177	62.33993	50.9093	61.92009	20.08914	36.36488	14.06971
1433	PRR11	1462.427	-1.36768	0.145022	-9.4308	4.07E-21	7.55E-20	2013.851	2538.349	1772.028	785.7087	838.5314	826.0931
911	FAM118B	1418.16	-1.36812	0.119827	-11.4175	3.42E-30	9.97E-29	2103.295	1840.399	2185.988	850.4404	770.0798	758.7595
5444	LOC10323	95.49994	-1.36838	0.308044	-4.44215	8.91E-06	4.35E-05	137.1479	117.6935	160.0182	37.94616	59.8951	60.29877
4048	LOC11961	138.356	-1.3684	0.256409	-5.33679	9.46E-08	6.21E-07	221.1712	172.9821	205.9365	82.5887	62.03421	85.42325
804	POLQ	3919.017	-1.36852	0.113409	-12.0672	1.57E-33	5.21E-32	5570.48	6339.029	5039.182	2069.182	2329.492	2166.736
1627	ARID1A	1972.626	-1.36881	0.153663	-8.90785	5.20E-19	8.50E-18	2369.46	3576.241	2586.729	1147.313	1037.469	1118.542
1299	LOC10324	605.4582	-1.36919	0.138859	-9.86026	6.19E-23	1.27E-21	860.2911	907.6088	850.8795	370.5331	303.7537	339.6831
5543	TRNAC-GC	119.043	-1.36946	0.311589	-4.3951	1.11E-05	5.31E-05	197.3194	126.9995	193.4133	69.19594	44.92132	82.40832
12182	LOC10322	2154.239	-1.36977	0.577919	-2.37017	0.01778	0.038801	4052.638	1089.35	4177.867	1203.116	1024.634	1377.827
980	SMYD2	957.3972	-1.37006	0.123565	-11.0878	1.44E-28	3.90E-27	1463.633	1279.849	1402.594	517.8535	517.6648	562.7885
15858	ZNF135	10.69258	-1.3702	0.81095	-1.68963	0.091099	0.152715	14.09425	13.13788	18.78475	6.696381	6.417332	5.024897
14617	LOC11962	16.42453	-1.37022	0.719506	-1.9044	0.056859	0.103413	27.10432	20.25424	25.04633	8.928508	2.139111	15.07469
5525	LOC10324	122.1483	-1.37176	0.311672	-4.4013	1.08E-05	5.18E-05	151.2421	240.8612	136.3633	55.80317	81.28621	67.33362
22654	LOC10322	1.483351	-1.37223	2.23399	-0.61425	0.539048	0.632586	2.168345	0.547412	4.174388	0	0	2.009959
15820	TRNAY-GU	11.38222	-1.37377	0.809861	-1.6963	0.089829	0.150954	20.0572	10.40082	18.78475	4.464254	8.556443	6.029877
22944	LOC11961	1.198121	-1.3738	2.401825	-0.57198	0.567336	0.657367	1.626259	0.547412	2.782925	2.232127	0	0
10406	LOC11962	35.85105	-1.37468	0.497163	-2.76504	0.005692	0.014541	64.50828	36.12918	55.65851	11.16063	23.53022	24.11951
14230	DMGDH	17.21162	-1.37471	0.697602	-1.97062	0.048768	0.091103	26.56223	22.9913	23.65487	8.928508	17.11289	4.019918
536	COL4A2	8180.278	-1.37495	0.096645	-14.2268	6.25E-46	3.10E-44	12083.65	11445.29	11907.44	4372.737	4254.691	5017.862
10111	LOC10324	33.29465	-1.37514	0.484982	-2.83545	0.004576	0.012032	50.41403	39.41365	53.57132	15.62489	25.66933	15.07469
2277	TNXB	254.6345	-1.37572	0.184555	-7.45426	9.04E-14	1.06E-12	361.0295	359.1022	381.9565	136.1597	151.8769	137.6822
2325	RALGPS2	362.9786	-1.37609	0.186602	-7.37447	1.65E-13	1.89E-12	492.2144	626.7865	452.2254	207.5878	201.0764	197.981
8317	LOC10322	114.0581	-1.37641	0.416041	-3.30835	0.000938	0.003	222.7975	64.59459	208.0237	55.80317	57.75599	75.37346
2012	MED18	446.2345	-1.37722	0.173331	-7.94558	1.93E-15	2.55E-14	718.8065	553.4333	658.1619	234.3733	284.5017	228.1303
21922	TRNAV-CA	1.911255	-1.37722	1.859014	-0.74083	0.458795	0.55635	2.710432	2.737059	2.782925	2.232127	0	1.004979
10593	GAL	35.96551	-1.37853	0.506148	-2.72357	0.006458	0.016208	46.61943	49.81448	57.7457	35.71403	12.83466	13.06473
5399	EFNB3	110.2021	-1.37902	0.308924	-4.46393	8.05E-06	3.96E-05	139.3162	190.4993	144.7121	58.0353	83.42532	45.22408
1786	LOC11962	380.7104	-1.37986	0.162407	-8.49631	1.96E-17	2.91E-16	540.4601	514.0197	595.5461	220.9806	203.2155	210.0407
3611	PFKFB1	147.6494	-1.38209	0.241269	-5.72841	1.01E-08	7.46E-08	206.5349	202.5424	230.9828	95.98146	68.45154	81.40334
16360	NUPR1	9.733801	-1.38356	0.867509	-1.59487	0.110741	0.179954	10.84173	15.87494	16.00182	2.232127	6.417332	7.034856
783	AFAP1	163.5842	-1.38367	0.1134	-12.2017	3.04E-34	1.03E-32	2428.005	2463.353	2342.528	839.2797	896.2874	1023.069
1254	PXDC1	1271.714	-1.384	0.138511	-9.99204	1.65E-23	3.50E-22	1973.194	1671.796	1881.258	676.3345	609.6465	818.0533
17312	LOC10324	9.160667	-1.38436	0.957187	-1.44628	0.1481	0.227415	18.97302	15.87494	5.565851	2.232127	4.278221	8.039836
1107	H1FX	3292.704	-1.38441	0.131774	-10.506	8.11E-26	1.95E-24	5157.41	3935.891	5195.722	1886.147	1636.42	1944.635
10750	TERT	42.01711	-1.38564	0.517162	-2.67932	0.007377	0.018244	63.42411	43.24553	73.05179	31.24978	32.08666	9.044815
15081	CTHRC1	14.35497	-1.38761	0.762695	-1.81935	0.068858	0.121384	26.56223	14.23271	20.87194	4.464254	14.97377	5.024897
1400	RPL9	54065.78	-1.38863	0.14577	-9.52613	1.63E-21	3.10E-20	86082.23	57891.54	90765.11	30767.64	30150.76	28737.39
6519	FAM71E2	65.21978	-1.38921	0.35334	-3.93163	8.44E-05	0.000344	103.5385	75.54283	103.664	40.17829	34.22577	34.1693
3352	IQCA1	167.6586	-1.39041	0.232084	-5.991	2.09E-09	1.65E-08	226.5921	257.831	242.1145	113.8385	79.14709	86.42823
949	LOC10324	873.5104	-1.39124	0.124159	-11.2053	3.84E-29	1.08E-27	1267.94	1274.375	1250.229	446.4254	534.7777	467.3155
1020	DGKE	1066.731	-1.39182	0.127574	-10.9099	1.03E-27	2.69E-26	1567.714	1666.322	1401.899	535.7105	626.7594	601.9827
3311	LOC11962	163.5804	-1.39192	0.230764	-6.03178	1.62E-09	1.30E-08	227.1342	257.2836	227.5042	98.21359	74.86887	96.47803
5989	POLN	70.28484	-1.392	0.333921	-4.16864	3.06E-05	0.000136	105.1648	93.60742	107.1426	44.64254	29.94755	41.20416
1185	EVC2	998.0392	-1.39229	0.136505	-10.1995	1.99E-24	4.47E-23	1421.893	1637.856	1278.059	515.6213	569.0034	565.8034
1452	TNN	587.8988	-1.39253	0.148786	-9.35929	8.03E-21	1.47E-19	830.4763	927.863	801.4825	314.7299	293.0582	359.7826
17164	LOC11962	8.196445	-1.39277	0.945797	-1.47259	0.140862	0.218163	7.589209	13.6853	13.9146			



16776	LOC119621	9.098592	-1.39486	0.912112	-1.52926	0.1262	0.199989	7.589209	19.70683	12.52316	4.464254	4.278221	6.029877
626	SMTN	1737.051	-1.39717	0.104885	-13.3209	1.75E-40	7.43E-39	2520.16	2531.232	2506.024	1002.225	872.7572	989.9048
14875	TRNAA-AG	13.01875	-1.39771	0.751976	-1.85871	0.063068	0.112717	18.43094	14.78012	23.65487	8.928508	4.278221	8.039836
3397	LOC103231	151.3306	-1.39814	0.235065	-5.94788	2.72E-09	2.13E-08	215.2083	239.219	202.4578	89.28508	83.42532	78.3884
513	AGAP1	5210.173	-1.39852	0.097022	-14.4144	4.20E-47	2.18E-45	7313.287	8101.147	7257.87	2741.052	2791.539	3056.143
622	PTP4A2	9431.988	-1.40057	0.104653	-13.383	7.60E-41	3.25E-39	12776.98	15508.72	12761.8	5169.606	5050.44	5324.381
14200	LOC119621	18.10253	-1.40118	0.708751	-1.97697	0.048045	0.089947	31.44101	21.34906	24.3506	15.62489	12.83466	3.014938
13675	SRPX	16.11522	-1.40395	0.677163	-2.07328	0.038146	0.074158	18.43094	29.56024	22.2634	6.696381	10.69555	9.044815
9376	LOC103221	54.1839	-1.40505	0.466303	-3.01316	0.002585	0.007331	96.49137	41.05589	100.1853	26.78552	21.39111	39.1942
716	CDCA7	2017.598	-1.40579	0.110874	-12.6792	7.72E-37	2.87E-35	2758.135	3213.855	2821.191	1098.206	1052.442	1161.756
27608	LOC103241	0.412606	-1.40588	3.970451	-0.35408	0.723275	NA	1.084173	0	1.391463	0	0	0
29528	LOC103221	0.412606	-1.40588	3.970451	-0.35408	0.723275	NA	1.084173	0	1.391463	0	0	0
22566	LOC119621	1.503089	-1.4063	2.231077	-0.63032	0.528484	0.622606	0.542086	4.379295	2.087194	0	0	2.009959
600	LAMB1	10526.24	-1.40682	0.103458	-13.598	4.11E-42	1.82E-40	14980.01	16234.59	14659.06	5575.853	5275.047	6432.874
4914	DQX1	109.7816	-1.40703	0.297025	-4.73708	2.17E-06	1.17E-05	166.4205	143.4219	166.9755	84.82083	42.78221	54.26889
1006	EVL	883.6253	-1.40726	0.128355	-10.9638	5.70E-28	1.51E-26	1314.017	1300.65	1243.272	441.9611	464.187	537.664
23020	LOC119621	0.944156	-1.40743	2.518501	-0.55883	0.576275	0.665491	1.626259	1.642235	1.391463	0	0	1.004979
23021	LOC119621	0.944156	-1.40743	2.518501	-0.55883	0.576275	0.665491	1.626259	1.642235	1.391463	0	0	1.004979
6723	SOHLH2	55.83087	-1.40785	0.36597	-3.8469	0.00012	0.000473	76.43418	78.27989	89.05362	31.24978	27.80844	32.15934
9683	LOC103211	56.25682	-1.40877	0.479873	-2.93571	0.003328	0.009137	106.2489	41.05589	98.79385	15.62489	40.6431	35.17428
6439	LOC119621	72.74912	-1.40891	0.355333	-3.96504	7.34E-05	0.000303	118.7169	101.2712	100.1853	24.5534	38.50399	53.26391
1100	IL20RA	615.8031	-1.40901	0.133957	-10.5183	7.11E-26	1.72E-24	855.9544	940.4535	887.7532	339.2833	333.7013	337.6731
13947	LOC103221	20.65502	-1.40934	0.696771	-2.02268	0.043107	0.082167	38.48813	26.82318	22.95914	13.39276	19.252	3.014938
984	GARS1	21349.91	-1.4112	0.127482	-11.0698	1.76E-28	4.75E-27	28031.83	37706.82	27360.33	11537.86	11174.71	12287.88
2047	MRPS23	1644.872	-1.41121	0.178914	-7.88766	3.08E-15	4.00E-14	2680.075	1655.921	2836.497	955.3503	844.9487	896.4417
3866	LOC119621	125.0812	-1.41151	0.257455	-5.48258	4.19E-08	2.88E-07	174.0097	168.0554	203.8493	62.49956	72.72976	69.34358
1105	HSPD1	27328.7	-1.41165	0.134309	-10.5105	7.73E-26	1.86E-24	34632.27	49471.8	35073.91	14564.63	14811.2	15418.4
28631	LOC119621	0.414381	-1.41176	3.970194	-0.35559	0.722147	NA	0	1.094824	1.391463	0	0	0
13897	LOC119621	15.93843	-1.41239	0.695749	-2.03002	0.042354	0.081024	23.30971	20.80165	25.04633	4.464254	14.97377	7.034856
19015	LOC119621	5.5877	-1.41287	1.195576	-1.18175	0.237307	0.33178	10.29964	3.831883	9.740239	2.232127	6.417332	1.004979
1031	ZNF853	2427.71	-1.41322	0.130086	-10.8638	1.72E-27	4.42E-26	3268.239	4135.149	3192.016	1308.026	1225.71	1437.121
951	TACC3	2117.221	-1.41359	0.1262	-11.2011	4.03E-29	1.13E-27	3255.771	2827.929	3160.708	1191.956	977.5736	1289.389
8073	LGR6	46.21258	-1.41377	0.416841	-3.39162	0.000695	0.002288	77.51835	63.49977	59.8329	20.08914	34.22577	22.10955
14822	LOC119621	15.05759	-1.41418	0.756992	-1.86815	0.061741	0.11074	30.35684	20.80165	14.61036	13.39276	2.139111	9.044815
5005	LOC119611	86.39121	-1.4145	0.301873	-4.68574	2.79E-06	1.48E-05	124.6799	113.8617	138.4505	51.33892	42.78221	47.23404
1661	CCDC138	454.4597	-1.41478	0.160557	-8.81171	1.23E-18	1.97E-17	678.6921	610.3642	690.8613	287.9444	226.7457	232.1503
5508	ADRB2	85.84596	-1.4156	0.321178	-4.40754	1.05E-05	5.05E-05	116.0065	148.3486	112.7085	37.94616	42.78221	57.28383
740	WWC2	10537.19	-1.41653	0.113008	-12.5347	4.82E-36	1.73E-34	14465.57	17517.18	14018.29	5428.533	5561.688	6231.878
1395	PALM2AKA	5919.754	-1.41677	0.148583	-9.53524	1.50E-21	2.85E-20	7377.253	10950.43	7515.986	3203.102	3007.59	3464.164
1039	LOC103211	855.5463	-1.41701	0.130994	-10.8173	2.85E-27	7.29E-26	1359.553	1153.397	1223.791	479.9073	434.2395	482.3901
2237	LOC119621	250.8541	-1.41728	0.18815	-7.53272	4.97E-14	5.91E-13	376.75	344.8694	375.6949	129.4634	132.6249	145.722
8765	LOC119621	40.1406	-1.41763	0.445345	-3.18321	0.001457	0.004418	63.96619	48.71965	64.00729	15.62489	21.39111	27.13445
2880	LOC103211	261.4512	-1.4177	0.215607	-6.5754	4.85E-11	4.48E-10	316.5784	467.4897	356.9102	136.1597	151.8769	139.6921
5810	SMCO2	70.02741	-1.41846	0.332331	-4.26822	1.97E-05	9.02E-05	102.4543	110.0298	94.61947	33.4819	36.36488	43.21412
2485	FAM53A	392.1756	-1.41893	0.198449	-7.15012	8.67E-13	9.28E-12	643.4565	465.3	609.4607	200.8914	179.6853	254.2598
22893	LOC119611	1.216971	-1.41973	2.446608	-0.58028	0.561723	0.652314	0.542086	3.831883	0.695731	2.232127	0	0
14595	LOC103221	13.0925	-1.41978	0.744233	-1.90772	0.056428	0.102785	20.59928	15.32753	21.56767	4.464254	8.556443	8.039836
998	MMP16	1073.999	-1.41996	0.129187	-10.9916	4.20E-28	1.12E-26	1542.236	1727.632	1424.162	535.7105	603.2292	611.0275
2601	LOC103231	728.6507	-1.42001	0.203495	-6.97809	2.99E-12	3.06E-11	1253.846	739.0059	1193.875	395.0865	335.8404	454.2507
1465	RAB9B	504.209	-1.42015	0.152125	-9.33546	1.01E-20	1.82E-19	739.9479	763.6395	695.0356	258.9267	314.4493	253.2548
9638	LOC119621	93.40251	-1.42034	0.48123	-2.95148	0.003163	0.008723	85.10756	257.2836	64.00729	55.80317	62.03421	36.17926
14077	MAGI2	16.96183	-1.4206	0.710953	-1.99816	0.045699	0.086305	24.93597	24.63353	22.95914	13.39276	12.83466	3.014938
3836	TMEM232	156.6067	-1.42237	0.258239	-5.50797	3.63E-08	2.52E-07	204.9086	255.6413	219.8511	84.82083	109.0946	65.32367
2548	LOC119621	209.3422	-1.42357	0.201703	-7.05776	1.69E-12	1.77E-11	307.9051	299.9817	308.209	100.4457	121.9293	117.5826
323	PKIA	8669.725	-1.42392	0.08438	-16.8751	6.86E-64	5.64E-62	12800.29	12398.88	12704.75	4522.289	4639.731	4952.539
591	HDCC2	3765.249	-1.42466	0.104075	-13.6889	1.18E-42	5.32E-41	5681.065	4910.284	5871.277	1986.593	2057.824	2084.327
848	LARP6	1488.574	-1.42665	0.121065	-11.7842	4.71E-32	1.48E-30	2121.726	2319.384	2078.15	761.1553	746.5496	904.4815
13803	RNF151	18.53364	-1.4274	0.697473	-2.04653	0.040705	0.078398	36.31979	18.612	27.13352	2.232127	12.83466	14.06971
454	SLC39A10	9583.16	-1.42785	0.094837	-15.0558	3.16E-51	1.85E-49	13558.12	15139.22	13218.9	4995.5	5488.958	5098.261
1809	TUB	321.5836	-1.42996	0.169622	-8.43027	3.45E-17	5.07E-16	451.0159	470.7742	484.229	167.4095	188.2417	167.8316
780	LYPD1	5853.444	-1.43103	0.117087	-12.2219	2.37E-34	8.09E-33	7617.398	9965.632	8038.48	3160.692	3080.319	3258.143
621	CETN3	2736.902	-1.4313	0.106945	-13.3835	7.55E-41	3.23E-39	3673.719	4391.338	3914.185	1435.258	1531.603	1475.31
5162	LOC119611	117.6532	-1.43176	0.311484	-4.59657	4.30E-06	2.21E-05	140.9425	232.65	141.9292	51.33892	72.72976	66.32864
11745	LOC119621	22.58141	-1.43184	0.582197	-2.45937	0.013918	0.031504	30.89892	37.77142	29.22072	17.85702	10.69555	9.044815
811	NRP1	3596.238	-1.43298	0.119249	-12.0167	2.90E-33	9.52E-32	4854.383	6071.344	4824.897	1899.54	1861.026	2066.238
5418	LOC119621	190.9228	-1.43321	0.321929	-4.45196	8.51E-06	4.18E-05	213.0399	433.0027	191.3261	80.35657	111.2338	116.5776
11201	LOC119621	23.76864	-1.43322	0.555041	-2.58218	0.009818	0.023302	35.23561	35.03436	34.09084	15.62489	8.556443	14.06971
2467	LOC119611	279.6673	-1.43415	0.200056	-7.16875	7.57E-13	8.16E-12	410.9015	343.2272	472.4016	145.0883	147.5986	158.7868
1213	MLH1	847.9609	-1.43611	0.141195	-10.117	4.65E-24	1.02E-22	1285.829	1219.634	1212.66	511.1571	370.0661	488.42
9851	KCNGB3	35.90169	-1.43646	0.496682	-2.8921	0.003827	0.010327	61.79785	52.00412	41.74388	17.85702	29.94755	12.05975
17640	FAM124A	6.608667	-1.43684	1.026701	-1.39947	0.161671	0.243653	7.589209	10.40082	11.1317	2.232127	4.278221	4.019918
5388	SARM1	88.52048											



20041	LOC119624	5.125947	-1.44177	1.411495	-1.02145	0.307042	0.407281	5.96295	8.211177	7.653045	8.928508	0	0
18674	LOC119624	5.137066	-1.44265	1.171355	-1.23161	0.218095	0.310471	8.673382	8.758589	4.87012	2.232127	4.278221	2.009959
10177	LOC119624	35.86157	-1.44294	0.511675	-2.82003	0.004802	0.012544	65.05036	30.10765	61.22436	22.32127	21.39111	15.07469
4180	CCDC148	109.9037	-1.44571	0.275805	-5.24179	1.59E-07	1.01E-06	137.1479	172.9821	171.8456	60.26743	59.8951	57.28383
869	SLC41A1	2646.75	-1.44759	0.123834	-11.6898	1.44E-31	4.40E-30	3577.77	4506.294	3538.49	1453.115	1330.527	1474.305
1908	LOC103234	530.3831	-1.44807	0.176981	-8.18203	2.79E-16	3.89E-15	707.9648	922.3889	697.1228	247.7661	333.7013	273.3544
7382	LOC119624	48.71802	-1.44818	0.401535	-3.6066	0.00031	0.001117	73.18166	71.16354	68.87741	35.71403	19.252	24.11951
10350	LOC103244	27.68662	-1.44825	0.521581	-2.77665	0.005492	0.014107	40.65648	33.39212	47.30973	17.85702	12.83466	14.06971
8870	LOC103224	37.77944	-1.44905	0.459901	-3.15078	0.001628	0.00488	50.41403	49.81448	64.70302	17.85702	27.80844	16.07967
610	FARP1	11666.98	-1.44976	0.10742	-13.4962	1.65E-41	7.17E-40	16604.11	17782.13	16870.09	6100.403	5550.992	7094.15
11898	LOC119624	26.44277	-1.45261	0.598889	-2.42551	0.015287	0.034157	47.16151	24.63353	43.83108	24.5534	6.417332	12.05975
1973	ANKEF1	308.9102	-1.4542	0.180867	-8.04016	8.97E-16	1.21E-14	405.4806	491.0284	459.1827	171.8738	171.1289	154.7668
750	ATP8A1	1443.383	-1.45426	0.116651	-12.4667	1.13E-35	4.02E-34	2001.383	2324.858	2020.404	732.1376	793.6101	787.9039
13635	RSPO2	15.61393	-1.45439	0.698614	-2.08182	0.037359	0.07284	16.26259	24.63353	27.13352	8.928508	10.69555	6.029877
9542	LOC103214	31.60864	-1.45447	0.489053	-2.97405	0.002939	0.008188	44.99317	54.74118	38.96096	15.62489	19.252	16.07967
20825	LOC103244	2.696569	-1.45448	1.614364	-0.90096	0.36761	0.469265	5.96295	3.284471	2.782925	0	2.139111	2.009959
510	AMZ2	1912.264	-1.45469	0.100727	-14.4419	2.82E-47	1.47E-45	2763.556	2908.399	2739.79	999.9929	992.5473	1069.298
11066	LOC103244	27.67274	-1.45657	0.557533	-2.61252	0.008988	0.021592	37.94605	42.15071	39.65669	17.85702	21.39111	7.034856
13102	FBLN5	22.5007	-1.45658	0.665915	-2.18733	0.028718	0.058271	22.22554	40.50847	34.78657	8.928508	23.53022	5.024897
1569	FAM184A	1381.504	-1.45732	0.16101	-9.05111	1.42E-19	2.40E-18	1773.707	2573.383	1729.588	703.12	761.5234	747.7047
521	MTHFD1L	3581.991	-1.45843	0.10153	-14.3645	8.64E-47	4.41E-45	5411.106	5341.644	5014.136	1904.004	1749.793	2071.263
1266	LOC103244	1469.001	-1.45878	0.146668	-9.94616	2.62E-23	5.50E-22	1935.248	2625.387	1902.825	814.7263	735.8541	799.9637
22694	LOC119624	1.226188	-1.45885	2.395196	-0.60908	0.542474	0.635484	0.542086	3.284471	1.391463	0	2.139111	0
15764	LOC119624	10.13242	-1.45887	0.854411	-1.70746	0.087736	0.147932	20.59928	12.59047	11.82743	4.464254	4.278221	7.034856
581	GHITM	22943.46	-1.45952	0.105756	-13.8009	2.52E-43	1.15E-41	36075.31	29021.04	35860.08	12203.04	11882.76	12618.52
19279	LOC103224	4.46251	-1.45973	1.281409	-1.13916	0.254637	0.351103	3.794605	7.116354	8.348776	2.232127	4.278221	1.004979
6659	TRNAC-GC	63.712	-1.45983	0.3769	-3.87327	0.000107	0.000429	91.6126	94.70224	97.40239	26.78552	23.53022	48.23901
1007	PARP8	1368.316	-1.4613	0.133336	-10.9595	5.98E-28	1.58E-26	1804.606	2345.112	1872.213	720.977	744.4105	722.5802
1687	HOXB13	376.9117	-1.46155	0.166928	-8.75558	2.03E-18	3.20E-17	568.1065	520.0412	567.0211	198.6593	226.7457	180.8963
1576	ARHGAP32	930.0747	-1.4618	0.161655	-9.04272	1.53E-19	2.58E-18	1218.61	1684.934	1187.613	497.7643	526.2212	465.3055
6259	LOC119624	62.07226	-1.46187	0.361315	-4.04597	5.21E-05	0.000221	99.74389	73.90059	100.1853	33.4819	29.94755	35.17428
9987	LOC103224	32.15369	-1.46216	0.510526	-2.86402	0.004183	0.011135	54.75072	33.39212	54.26705	11.16063	19.252	20.09959
2438	YDJC	514.3221	-1.4629	0.202855	-7.21156	5.53E-13	6.03E-12	916.6681	542.4851	807.0484	279.0159	250.2759	290.4391
2267	ACSGB1	258.3439	-1.46442	0.195923	-7.47446	7.75E-14	9.09E-13	380.0025	353.0806	409.09	122.767	128.3466	156.7768
3351	SLC37A2	189.2578	-1.46714	0.244825	-5.99261	2.07E-09	1.64E-08	306.8209	253.4517	272.031	75.89232	136.9031	90.44815
13153	RAD51AP2	18.82742	-1.46868	0.673657	-2.18016	0.029246	0.059112	27.10432	35.03436	19.48048	15.62489	10.69555	5.024897
5269	LOC103224	86.54418	-1.46932	0.323639	-4.54001	5.63E-06	2.84E-05	102.4543	158.202	120.3615	49.10679	44.92132	44.2191
2060	DENND5B	371.7137	-1.46945	0.186691	-7.87106	3.52E-15	4.54E-14	537.7497	597.2263	499.5351	247.7661	171.1289	176.8764
16237	LOC103244	8.707385	-1.46993	0.907914	-1.61902	0.105444	0.172644	13.01007	16.42235	9.044508	4.464254	4.278221	5.024897
21528	LOC103238	1.986099	-1.47035	1.837128	-0.80035	0.423508	0.522992	3.252518	2.737059	2.782925	0	2.139111	1.004979
15374	LOC119614	10.90599	-1.47192	0.834053	-1.76478	0.077601	0.134188	20.59928	14.23271	13.91463	2.232127	6.417332	8.039836
1327	LOC103244	655.3214	-1.47238	0.150622	-9.77536	1.44E-22	2.88E-21	903.658	1089.35	893.3191	386.158	335.8404	323.6034
15961	LOC103224	10.47832	-1.47349	0.880711	-1.67307	0.094314	0.157091	23.8518	8.758589	13.2189	4.464254	8.556443	4.019918
15434	LOC119614	10.47012	-1.47433	0.840207	-1.75472	0.079308	0.136607	18.43094	12.04306	15.30609	4.464254	8.556443	4.019918
1136	CCNB1IP1	842.9857	-1.47495	0.142158	-10.3755	3.21E-25	7.51E-24	1369.852	1088.802	1263.448	401.7829	472.7435	461.2856
947	WNT3	1010.415	-1.47529	0.131449	-11.2233	3.13E-29	8.80E-28	1492.906	1509.762	1465.21	524.5498	462.0479	608.0126
11302	P2RY1	30.10953	-1.47554	0.576939	-2.55753	0.010542	0.024797	45.53526	42.69812	43.83108	31.24978	4.278221	13.06473
4667	EDARADD	93.51874	-1.47594	0.300934	-4.90455	9.36E-07	5.33E-06	151.2421	134.6633	124.5359	60.26743	49.19955	41.20416
446	EHD4	7546.5	-1.47608	0.097395	-15.1556	6.96E-52	4.15E-50	11109.52	11095.49	11112.92	3991.043	3604.401	4365.631
16626	LOC119624	8.205322	-1.47652	0.950406	-1.55356	0.120288	0.192341	12.46799	15.87494	8.348776	2.232127	4.278221	6.029877
1062	CRYGS	710.6594	-1.47709	0.138244	-10.6847	1.20E-26	3.01E-25	1026.712	1139.164	967.0666	401.7829	376.4835	352.7478
566	SKA2	5334.333	-1.47885	0.10576	-13.9831	1.98E-44	9.29E-43	7347.439	8580.68	7618.259	2845.962	3026.842	2586.817
19190	LOC119624	4.776639	-1.47961	1.280334	-1.15565	0.247826	0.34331	11.38381	4.926706	4.87012	4.464254	0	3.014938
22297	LOC119624	1.573698	-1.47992	2.192419	-0.67502	0.499664	0.595756	2.710432	0.547412	4.174388	0	0	2.009959
6012	TIGD4	79.06239	-1.48022	0.355911	-4.15895	3.20E-05	0.000141	126.8482	100.7238	118.2743	44.64254	57.75599	26.12947
4873	LOC119624	193.3521	-1.48077	0.311219	-4.75796	1.96E-06	1.07E-05	391.3864	164.2235	300.556	84.82083	100.5382	118.5876
1755	TMEM39B	339.1623	-1.48111	0.172467	-8.58778	8.87E-18	1.34E-16	509.5612	497.0499	496.7522	158.481	171.1289	202.0009
476	TOP2A	22323.04	-1.48137	0.099854	-14.8354	8.64E-50	4.83E-48	31599.3	36595.03	30429.9	11562.42	11350.12	12401.45
601	NAP1L1	35414.6	-1.48266	0.109184	-13.5794	5.31E-42	2.35E-40	47687.88	60456.71	48345.68	18196.3	19187.82	18613.22
1526	TNIP2	851.7617	-1.484	0.161921	-9.16496	4.96E-20	8.64E-19	1415.93	1043.914	1312.149	404.015	414.9875	519.5744
11483	LOC103244	20.8524	-1.48509	0.589177	-2.52061	0.011715	0.027122	27.10432	34.48694	30.61218	11.16063	10.69555	11.05477
2074	LOC103214	339.7136	-1.48663	0.189437	-7.84759	4.24E-15	5.44E-14	498.7195	419.8649	583.0229	185.2665	177.5462	173.8614
26974	PROK1	0.438213	-1.48749	3.966977	-0.37497	0.707683	NA	0.542086	0	2.087194	0	0	0
27277	LOC103214	0.438213	-1.48749	3.966977	-0.37497	0.707683	NA	0.542086	0	2.087194	0	0	0
22828	LOC119614	0.993596	-1.48762	2.527782	-0.58851	0.55619	0.647727	1.626259	0.547412	2.782925	0	0	1.004979
1077	CHRNA5	543.3001	-1.4881	0.140092	-10.6223	2.35E-26	5.79E-25	788.7357	840.2771	773.6533	294.6408	278.0844	284.4092
934	SYT12	1232.725	-1.48815	0.131681	-11.3012	1.29E-29	3.68E-28	2025.777	1567.24	1861.081	631.6919	650.2896	660.2715
9434	ZNF229	36.19454	-1.48821	0.496053	-3.00009	0.002699	0.007606	57.46116	60.2153	40.35242	24.5534	23.53022	11.05477
20578	RIPPLY2	2.788895	-1.48865	1.581895	-0.94106	0.346676	0.447847	4.336691	3.284471	4.87012	2.232127	0	2.009959
3582	LOC103244	122.3999	-1.48897	0.258023	-5.7707	7.89E-09	5.86E-08	186.4777	172.9821	180.1944	64.73168	72.72976	57.28383
10908	LOC119624	32.09851	-1.48954	0.562185	-2.64956	0.00806	0.019643	61.79785	24.08612	57.04997	17.85702	10.69555	



18186	LOC103233	5.818382	-1.49142	1.143033	-1.30479	0.191963	0.280634	5.420864	9.306001	10.43597	4.464254	4.278221	1.004979
987	MBOAT2	696.6544	-1.49186	0.134958	-11.0542	2.09E-28	5.63E-27	1100.435	1041.725	941.3245	363.8367	365.7879	366.8175
17476	LOC103227	11.97803	-1.49288	1.054826	-1.41528	0.156985	0.23883	20.59928	10.40082	20.87194	17.85702	2.139111	0
595	COL5A2	4665.991	-1.49448	0.109505	-13.6476	2.09E-42	9.32E-41	6867.692	7261.418	6546.136	2323.644	2235.371	2761.684
3016	LOC103237	705.3453	-1.49496	0.233813	-6.39379	1.62E-10	1.43E-09	763.2576	1542.606	816.7886	372.7652	382.9008	353.7528
5770	UNC5C	74.23067	-1.49554	0.348791	-4.28778	1.80E-05	8.31E-05	98.11763	129.1892	100.1853	31.24978	53.47777	33.16432
663	RPL28	24833.44	-1.49588	0.114529	-13.0611	5.49E-39	2.20E-37	38593.3	30961.06	40448.43	13287.85	12177.96	13532.05
2135	TFPI2	276.6678	-1.49612	0.193686	-7.72443	1.12E-14	1.40E-13	447.7633	381.546	400.7413	127.2312	136.9031	165.8216
15639	LOC119623	10.1198	-1.49678	0.866578	-1.72723	0.084126	0.143097	10.29964	21.89647	12.52316	6.696381	4.278221	5.024897
9703	SLA2	33.03359	-1.49684	0.511187	-2.92816	0.00341	0.009342	59.6295	35.03436	52.87558	17.85702	10.69555	22.10955
403	EIF3I	6107.685	-1.49694	0.095622	-15.6549	3.08E-55	2.03E-53	9590.05	8241.832	9226.789	3274.53	3123.102	3189.805
4630	ABHD15	118.6926	-1.49744	0.303779	-4.92936	8.25E-07	4.74E-06	190.8144	156.5598	182.2816	64.73168	36.36488	81.40334
647	PIGW	1515.096	-1.49772	0.113811	-13.1598	1.50E-39	6.15E-38	2406.321	2162.824	2148.418	729.9055	815.0012	828.1031
12835	LOC119623	18.05261	-1.49945	0.671616	-2.2326	0.025575	0.052974	31.44101	29.01283	18.78475	15.62489	6.417332	7.034856
22104	TRNAV-UA	1.588999	-1.5002	2.118297	-0.70821	0.478814	0.575881	3.794605	1.642235	2.087194	0	0	2.009959
534	BRCA1	7083.86	-1.50047	0.105403	-14.2355	5.52E-46	2.75E-44	10244.35	11575.02	9591.353	3662.92	3473.916	3955.599
19456	LOC119623	8.831644	-1.50083	1.352817	-1.10941	0.267253	0.36518	20.0572	0	19.48048	0	6.417332	7.034856
5504	LOC119623	67.67619	-1.50318	0.340926	-4.40909	1.04E-05	5.01E-05	110.0435	87.58589	102.2725	33.4819	38.50399	34.1693
3265	EFCAB11	147.4462	-1.50471	0.247546	-6.07853	1.21E-09	9.88E-09	210.3295	245.7879	196.1962	89.28508	72.72976	70.34856
442	NCR3LG1	4939.473	-1.50495	0.099172	-15.1752	5.16E-52	3.11E-50	7284.015	7748.614	6891.915	2424.09	2513.455	2774.748
805	LOC119623	2039.028	-1.50541	0.124853	-12.0574	1.77E-33	5.85E-32	3286.67	2578.31	3185.754	1078.117	996.8256	1108.492
4745	LOC119615	100.02	-1.50636	0.310544	-4.85072	1.23E-06	6.89E-06	133.8953	171.8873	135.6676	46.87467	70.59065	41.20416
1115	ZNF593	605.5711	-1.50663	0.14403	-10.4606	1.31E-25	3.12E-24	983.3447	821.6651	880.7959	316.962	325.1448	305.5138
263	RBBP4	5510.564	-1.50871	0.083392	-18.0917	3.70E-73	3.74E-71	8220.74	8086.915	8158.842	233.015	2776.566	2887.306
1563	LOC119623	829.6656	-1.51076	0.166775	-9.05867	1.32E-19	2.25E-18	1496.158	1058.694	1126.389	412.9435	489.8563	393.952
6792	LOC119623	110.587	-1.51334	0.396109	-3.82051	0.000133	0.000521	227.1342	72.80577	191.3261	62.49956	53.47777	56.27885
6786	LOC119623	47.61266	-1.51351	0.395922	-3.82275	0.000132	0.000517	73.72375	69.5213	68.18167	22.32127	27.80844	24.11951
882	GUF1	1779.388	-1.51365	0.130425	-11.6055	3.86E-31	1.16E-29	2510.944	2953.834	2444.104	796.8693	1028.912	941.6658
18254	LOC119615	5.571504	-1.51368	1.170904	-1.29274	0.1961	0.285598	8.673382	6.02153	10.43597	0	4.278221	4.019918
5940	SCNN1B	60.09834	-1.51402	0.361275	-4.19078	2.78E-05	0.000124	84.56547	84.84883	98.09812	24.5534	36.36488	32.15934
824	EEF1B2	22227.33	-1.51425	0.127185	-11.9059	1.10E-32	3.56E-31	34133.55	26805.11	37838.74	11756.61	12148.01	10681.93
5279	AOC3	70.28756	-1.51559	0.334363	-4.53276	5.82E-06	2.93E-05	108.4173	101.2712	102.2725	44.64254	29.94755	35.17428
7722	LOC119615	47.86996	-1.51604	0.43497	-3.48539	0.000491	0.001692	84.56547	48.71965	79.31338	31.24978	19.252	24.11951
2338	FBLL1	299.8264	-1.51606	0.20609	-7.35627	1.89E-13	2.15E-12	485.1673	350.3436	498.8394	158.481	143.3204	162.8007
2834	MGAT5B	182.1966	-1.51796	0.228684	-6.63779	3.18E-11	2.99E-10	279.7166	255.0939	276.9011	109.3742	70.59065	101.5029
13395	DNASE2	17.80124	-1.51887	0.713644	-2.12833	0.03331	0.066109	28.73058	19.70683	29.22072	11.16063	14.97377	3.014938
344	ARNTL2	2727.28	-1.51979	0.092007	-16.5183	2.71E-61	2.09E-59	4169.186	3929.869	4033.85	1399.544	1418.23	1413.001
12125	LOC119623	18.14586	-1.52288	0.639923	-2.37979	0.017322	0.037981	27.10432	30.10765	24.3506	6.696381	8.556443	12.05975
8801	ZNF488	32.75911	-1.52423	0.480311	-3.17343	0.001507	0.004551	50.41403	43.79295	51.48412	13.39276	21.39111	16.07967
771	EME1	1932.831	-1.52511	0.123773	-12.3218	6.91E-35	2.38E-33	2599.304	3300.893	2704.308	1037.939	979.7127	974.8301
7647	LOC119623	44.51098	-1.52524	0.434481	-3.51047	0.000447	0.001555	59.08741	82.65918	57.7457	22.32127	17.11289	28.13943
10716	MREG	29.04139	-1.52554	0.567641	-2.6875	0.007199	0.017859	52.04029	28.46541	47.30973	24.5534	12.83466	9.044815
16583	CLEC2L	9.257384	-1.52588	0.977977	-1.56024	0.118704	0.1903	7.589209	14.23271	18.78475	2.232127	10.69555	2.009959
3672	LOC119623	110.4352	-1.52697	0.268955	-5.67743	1.37E-08	9.90E-08	170.7572	151.6331	169.0627	60.26743	55.61688	55.27387
360	MRPL45	2246.721	-1.52733	0.093937	-16.2591	1.92E-59	1.42E-57	3290.464	3391.216	3327.683	1165.17	1138.007	1167.786
425	WFS1	5913.303	-1.5276	0.099424	-15.3645	2.83E-53	1.77E-51	8809.446	8854.386	8688.989	3091.496	2723.088	3312.412
679	PHC2	8026.321	-1.52847	0.118226	-12.9283	3.12E-38	1.22E-36	12847.99	10682.74	12242.78	3957.561	3713.496	4713.354
562	ATP2B1	39763.39	-1.52906	0.108991	-14.0292	1.03E-44	4.88E-43	54887.87	67895.49	54407.58	19740.93	19942.93	21705.55
5732	FSTL4	83.16743	-1.52972	0.355091	-4.30797	1.65E-05	7.64E-05	101.3702	137.9478	128.0146	44.64254	59.8951	27.13445
1119	LOC119623	787.3497	-1.53007	0.146588	-10.4379	1.66E-25	3.95E-24	1226.741	1002.858	1275.971	437.4969	402.1528	378.8773
16676	TMEM61	8.518513	-1.53047	0.99026	-1.54552	0.12222	0.194844	11.9259	9.853413	15.30609	4.464254	8.556443	1.004979
10052	LOC103223	47.70782	-1.53108	0.537119	-2.85053	0.004365	0.011543	73.72375	65.14201	70.9646	22.32127	47.06043	7.034856
1222	CHN1	579.7362	-1.5327	0.15193	-10.0882	6.23E-24	1.36E-22	804.4562	961.8026	814.7014	325.8905	295.1973	276.3694
3802	PCDHB13	113.726	-1.53598	0.277289	-5.53927	3.04E-08	2.12E-07	155.0367	189.4045	160.7139	69.19594	57.75599	50.24897
10329	ST8SIA3	27.63197	-1.53778	0.552802	-2.78179	0.005406	0.013914	35.7777	41.05589	45.22254	11.16063	23.53022	9.044815
2297	WASF1	282.4712	-1.53809	0.207277	-7.42048	1.17E-13	1.35E-12	396.2651	492.6706	371.5206	120.5349	171.1289	142.7071
861	LOC103233	1118.634	-1.5389	0.131311	-11.7195	1.01E-31	3.13E-30	1609.454	1889.118	1493.735	584.8173	566.8643	567.8134
20819	LOC103214	2.820169	-1.53899	1.706514	-0.90183	0.367146	0.46883	5.96295	0.547412	6.261582	0	2.139111	2.009959
16093	TMEM163	8.834963	-1.53953	0.934528	-1.64739	0.099478	0.164333	12.46799	15.32753	11.1317	8.928508	2.139111	3.014938
6874	LOC119623	49.67815	-1.53972	0.40648	-3.78792	0.000152	0.000588	66.13454	84.30142	69.57314	29.01765	29.94755	19.09461
773	SMURF2	3763.708	-1.5402	0.125293	-12.2928	9.91E-35	3.41E-33	5211.076	6653.243	4939.693	1906.236	1944.452	1927.551
17114	TRNAN-GL	7.795457	-1.54181	1.042457	-1.47901	0.139137	0.216136	6.505036	15.32753	13.2189	6.696381	0	5.024897
332	RPL23A	31320.09	-1.5433	0.09235	-16.7115	1.08E-62	8.66E-61	48938.47	42339.02	48641.36	16223.1	15399.46	16379.16
14518	LOC103233	17.31245	-1.54332	0.803874	-1.91985	0.054877	0.100461	20.0572	32.2973	23.65487	4.464254	21.39111	2.009959
10493	NECAB2	26.95662	-1.54347	0.562079	-2.746	0.006033	0.015285	47.7036	35.03436	36.17803	13.39276	21.39111	8.039836
10625	CREB3L3	27.00108	-1.54355	0.569059	-2.71246	0.006679	0.016711	35.7777	52.00412	31.30791	15.62489	19.252	8.039836
1111	SYTL3	488.7469	-1.54365	0.147312	-10.4788	1.08E-25	2.59E-24	737.2375	726.4155	724.2564	264.0697	233.1631	270.3395
7123	NFATC2	53.03768	-1.54378	0.418501	-3.68884	0.000225	0.000841	63.96619	96.34448	74.44326	29.01765	36.36488	18.08963
14603	LOC119623	14.58332	-1.54378	0.81024	-1.90534	0.056736	0.103289	29.27266	14.78012	21.56767	0	12.83466	9.044815
1932	LOC103223	280.9397	-1.54566	0.190075	-8.13185	4.23E-16	5.82E-15	423.9115	400.7054	425.7876	158.481	156.1551	120.5975
708	PPP1R15A	5062.086	-1.54619	0.121169	-12.7606	2.72E-37	1.02E-35	6960.389	8800.74				



966	HIST2H2AE	1877.638	-1.54897	0.139049	-11.1397	8.04E-29	2.21E-27	2918.051	2319.384	3163.491	979.9037	859.9225	1025.079
13970	LOC119624	14.99184	-1.54918	0.767854	-2.01755	0.043638	0.083043	29.27266	15.87494	21.56767	2.232127	14.97377	6.029877
2232	PHF21B	213.1406	-1.55102	0.2056	-7.54388	4.56E-14	5.43E-13	337.1777	287.9386	327.6895	107.1421	113.3729	105.5228
2110	BLOC1S4	428.7761	-1.55163	0.19932	-7.78463	6.99E-15	8.81E-14	731.8166	512.9249	677.6424	229.9091	171.1289	249.2349
3708	DTNA	151.2599	-1.55199	0.275489	-5.63359	1.76E-08	1.27E-07	192.4407	257.831	221.9383	84.82083	96.25998	54.26889
5039	LOC103237	132.293	-1.5538	0.332943	-4.66686	3.06E-06	1.61E-05	245.5651	111.672	234.4615	71.42806	66.31243	64.31869
309	UBE2S	7210.798	-1.55413	0.089956	-17.2766	7.06E-67	6.07E-65	10949.06	10035.15	11293.81	3658.456	3578.732	3749.578
10172	LOC119624	26.97118	-1.55478	0.551122	-2.82112	0.004786	0.012507	49.87195	31.74989	40.35242	8.928508	12.83466	18.08963
26906	LOC119624	0.453514	-1.55519	3.96424	-0.3923	0.694834	NA	1.626259	1.094824	0	0	0	0
12816	LOC119624	19.03789	-1.55553	0.695893	-2.2353	0.025398	0.052684	26.56223	27.918	29.22072	20.08914	6.417332	4.019918
26670	LOC119618	0.454401	-1.55784	3.964135	-0.39298	0.694332	NA	1.084173	1.642235	0	0	0	0
551	SLC39A8	1477.493	-1.55816	0.110272	-14.1302	2.47E-45	1.19E-43	2181.898	2313.91	2128.242	723.2091	718.7412	798.9587
21137	TRNAP-UG	2.077334	-1.55859	1.812422	-0.85995	0.389819	0.490304	3.252518	3.284471	2.782925	0	2.139111	1.004979
18775	LOC119624	4.93608	-1.55863	1.275279	-1.22218	0.221638	0.313835	5.420864	4.379295	12.52316	0	4.278221	3.014938
11136	LOC103246	20.82736	-1.55879	0.600736	-2.5948	0.009464	0.022596	37.40396	27.918	27.82925	8.928508	12.83466	10.04979
10852	BARX1	23.03855	-1.55898	0.586063	-2.66009	0.007812	0.019138	37.40396	35.58177	29.91645	17.85702	6.417332	11.05477
636	SEPSECS	1122.766	-1.5595	0.117726	-13.2468	4.71E-40	1.97E-38	1801.353	1603.917	1627.316	549.1032	569.0034	585.903
15206	LOC103218	9.690332	-1.56031	0.868992	-1.79554	0.072568	0.126872	12.46799	12.59047	18.08902	6.696381	4.278221	4.019918
22745	LOC119624	1.301236	-1.56044	2.594519	-0.60144	0.547548	0.639989	0	2.189647	3.478657	0	2.139111	0
29071	NPB	0.455289	-1.56048	3.964031	-0.39366	0.693832	NA	0.542086	2.189647	0	0	0	0
5003	ADA	82.85199	-1.56054	0.332989	-4.68648	2.78E-06	1.48E-05	138.232	95.79707	138.4505	33.4819	44.92132	46.22906
1975	FAM72A	410.4861	-1.56116	0.194231	-8.03762	9.16E-16	1.23E-14	551.8439	759.8076	525.2772	227.677	205.3546	192.9561
6882	LOC119624	50.56438	-1.56193	0.412677	-3.78486	0.000154	0.000594	79.14461	71.16354	75.83472	15.62489	38.50399	23.11453
16500	TRPC3	10.68232	-1.56283	0.992054	-1.57535	0.115176	0.185573	15.17842	12.04306	19.48048	6.696381	10.69555	0
10441	LOC103220	22.99737	-1.56481	0.567591	-2.75694	0.005835	0.014856	34.15144	38.86624	29.91645	11.16063	12.83466	11.05477
507	BIRC5	5890.816	-1.56524	0.107907	-14.5055	1.12E-47	5.86E-46	9513.074	7679.64	9228.877	2953.104	2889.939	3080.262
27637	TRNAP-AG	0.463821	-1.56526	3.963843	-0.39488	0.692928	NA	0	0	2.782925	0	0	0
27891	LOC119624	0.463821	-1.56526	3.963843	-0.39488	0.692928	NA	0	0	2.782925	0	0	0
419	CDCA7L	7568.114	-1.56631	0.101346	-15.455	6.98E-54	4.43E-52	10945.27	12467.85	10539.63	3756.67	3647.184	4052.077
13243	LRRC3	17.05075	-1.56668	0.725811	-2.15852	0.030888	0.062006	35.23561	15.32753	25.04633	6.696381	14.97377	5.024897
9486	LOC119618	51.6335	-1.56776	0.524723	-2.98779	0.00281	0.007875	113.8381	30.65506	86.96642	17.85702	36.36488	24.11951
15150	LOC119624	9.983976	-1.56834	0.868456	-1.8059	0.070934	0.124478	18.43094	14.78012	11.82743	6.696381	2.139111	6.029877
767	STK32A	965.3444	-1.56902	0.126985	-12.356	4.52E-35	1.57E-33	1518.384	1390.973	1429.728	477.6752	440.6568	534.6491
6341	LOC103224	56.26496	-1.57119	0.391883	-4.00934	6.09E-05	0.000255	74.44801	75.13899	20.08914	30.14938	30.14938	30.14938
978	LOC103218	804.9832	-1.57337	0.141174	-11.1004	1.25E-28	3.40E-27	1354.674	1080.591	1181.352	421.872	374.3444	417.0665
6032	LOC103218	68.31109	-1.57408	0.379345	-4.14947	3.33E-05	0.000147	111.1277	69.5213	125.9274	40.17829	29.94755	33.16432
503	DPYSL3	19963.86	-1.5749	0.107703	-14.6227	2.01E-48	1.06E-46	28479.59	33576.6	27632.36	9950.822	9288.019	10855.79
22999	LOC119624	1.038054	-1.57495	2.794368	-0.56362	0.573016	0.66236	0	3.831883	1.391463	0	0	1.004979
391	RASA1	8471.625	-1.57574	0.099524	-15.8328	1.85E-56	1.26E-54	12363.91	13960.1	11743.25	4140.596	4147.736	4474.169
3722	TSPAN19	116.8857	-1.57598	0.28043	-5.61988	1.91E-08	1.36E-07	176.7202	149.9908	200.3706	46.87467	62.03421	65.32367
4193	CAVIN4	87.26314	-1.57679	0.301866	-5.22346	1.76E-07	1.11E-06	135.5216	120.4306	135.6676	49.10679	40.6431	42.20914
1820	LOC103218	378.362	-1.57696	0.187876	-8.39364	4.71E-17	6.88E-16	538.2918	662.3683	496.7522	178.5702	220.3284	173.8614
6006	LOC119624	74.51087	-1.58113	0.379973	-4.16116	3.17E-05	0.00014	138.7741	72.80577	123.8402	44.64254	27.80844	39.1942
527	SPTBN5	1767.119	-1.5818	0.110762	-14.281	2.87E-46	1.45E-44	2787.408	2441.457	2724.484	852.6725	862.0616	934.6309
1422	HOXD13	337.3551	-1.58222	0.167301	-9.45733	3.16E-21	5.91E-20	485.1673	521.6835	510.6668	176.338	160.4333	169.8415
14575	TEX19	11.68274	-1.58272	0.828471	-1.91041	0.05608	0.102291	19.51511	17.51718	14.61036	11.16063	4.278221	3.014938
692	GNB4	812.5528	-1.58462	0.123116	-12.871	6.55E-38	2.52E-36	1209.937	1259.595	1189.005	406.2471	391.4573	419.0764
369	GRPEL1	2095.983	-1.58482	0.098151	-16.1467	1.20E-58	8.63E-57	3186.384	3227.54	3018.778	1064.725	1018.217	1060.253
498	MOCOS	2656.775	-1.58535	0.108107	-14.6646	1.09E-48	5.80E-47	4407.704	3665.47	3884.964	1303.562	1326.249	1352.702
3629	UNORF3	108.7188	-1.58784	0.277968	-5.71233	1.11E-08	8.16E-08	156.663	170.2451	160.0182	60.26743	59.8951	45.22408
18903	DPEP2NB	4.729881	-1.58919	1.319958	-1.20397	0.228602	0.321504	8.673382	6.02153	6.261582	0	6.417332	1.004979
334	TBC1D1	23202.61	-1.58931	0.095418	-16.6564	2.72E-62	2.16E-60	34365.57	37353.19	32780.77	11504.38	10798.23	12413.51
9219	OCA2	28.15711	-1.59031	0.521419	-3.04997	0.002289	0.0066	45.53526	36.12918	44.52681	17.85702	12.83466	12.05975
17785	LOC119618	6.081234	-1.59171	1.156799	-1.37596	0.168835	0.252436	13.01007	5.474118	8.348776	2.232127	6.417332	1.004979
18060	LOC103224	6.806537	-1.59325	1.196202	-1.33192	0.182886	0.269215	7.589209	13.13788	9.044508	8.928508	2.139111	0
8290	LOC119624	33.24131	-1.5939	0.480639	-3.31621	0.000912	0.002926	41.74065	52.00412	55.65851	17.85702	17.11289	15.07469
3078	LOC119624	217.096	-1.59505	0.253031	-6.30376	2.91E-10	2.51E-09	383.7971	258.3784	334.6468	84.82083	145.4595	95.47305
1339	LOC103235	1913.367	-1.59584	0.163718	-9.74749	1.89E-22	3.75E-21	3288.296	2113.01	3228.889	906.2436	917.6785	1026.084
2721	LOC103246	170.0817	-1.59666	0.234359	-6.8129	9.57E-12	9.34E-11	275.3799	225.5337	266.4651	71.42806	96.25998	85.42325
415	TRIB2	1836.216	-1.59856	0.103083	-15.5075	3.09E-54	1.98E-52	2787.95	2859.679	2635.43	944.1897	868.4789	921.5662
1026	BAIAP2L1	642.6582	-1.59902	0.146925	-10.8832	1.39E-27	3.59E-26	898.2371	1086.065	912.1038	319.1942	335.8404	304.5088
682	FBLN1	1481.776	-1.59905	0.123939	-12.9018	4.40E-38	1.71E-36	2318.503	2144.212	2232.602	694.1915	660.9852	840.1628
1654	ADAM19	310.0158	-1.60023	0.181022	-8.84	9.57E-19	1.54E-17	454.2684	487.7439	453.6169	145.0883	179.6853	139.6921
749	RBM11	828.1107	-1.60257	0.128542	-12.4673	1.13E-35	3.99E-34	1271.735	1292.987	1172.307	381.6937	444.935	405.0067
18248	LOC103224	4.770911	-1.60282	1.239523	-1.2931	0.195977	0.285498	8.131296	6.02153	6.957314	2.232127	4.278221	1.004979
6652	LOC119620	48.54002	-1.60395	0.413688	-3.8772	0.000106	0.000422	84.56547	60.2153	75.83472	20.08914	21.39111	29.1444
9931	CUNH2orf	27.85354	-1.60447	0.557418	-2.8784	0.003997	0.0107	41.19856	50.9093	32.00364	17.85702	17.11289	8.039836
15390	LOC119618	9.09371	-1.60456	0.910797	-1.76171	0.078118	0.134943	16.80468	9.853413	13.91463	6.696381	4.278221	3.014938
14392	LOC119618	14.0681	-1.60521	0.825327	-1.94494	0.051782	0.095652	16.80468	25.72836	20.87194	0	14.97377	6.029877
8943	LOC119618	30.16378	-1.60557	0.51236	-3.13368	0.001726	0.005132	45.53526	41.6033	48.00546	13.39276	21.39111	11.05477
22118	LOC119624	1.331151	-1.60627	2.275284	-0.70596	0.480211	0.577195	1.626259	2.737059	1.391463	2.232127	0	0
850	NHSL1	1901.236	-1.60651	0.136352	-11.7								



6990	LOC119621	60.14299	-1.60705	0.429929	-3.73795	0.000186	0.000706	99.20181	95.24966	73.74753	37.94616	40.6431	14.06971
3937	LOC103234	105.7754	-1.60786	0.296915	-5.41523	6.12E-08	4.13E-07	162.6259	183.9304	129.406	53.57105	59.8951	45.22408
405	TNFAIP3	4068.578	-1.60898	0.102918	-15.6337	4.29E-55	2.82E-53	6003.064	6455.628	5935.284	2011.146	1822.522	2183.82
4552	LOC103241	186.6351	-1.60967	0.323823	-4.97085	6.67E-07	3.89E-06	344.2248	145.0641	354.823	91.51721	87.70354	96.47803
1035	SLC18A3	517.5129	-1.60997	0.148691	-10.8276	2.55E-27	6.54E-26	763.7997	830.9711	740.9539	279.0159	248.1368	242.2001
495	SLC7A1	6259.77	-1.61089	0.109634	-14.6934	7.11E-49	3.82E-47	9347.195	9843.559	9118.255	2944.175	2782.983	3522.453
526	APBB2	11263.81	-1.61173	0.112817	-14.2862	2.67E-46	1.35E-44	19492.24	15405.58	5339.248	5354.194	5961.538	
615	VLDLR	1009.143	-1.6125	0.120049	-13.432	3.93E-41	1.70E-39	1569.882	1578.736	1414.422	484.3716	506.9692	500.4798
1233	TSPAN13	381.1104	-1.61326	0.160418	-10.0566	8.59E-24	1.85E-22	579.4903	575.3298	567.0211	178.5702	205.3546	180.8963
1384	LOC103241	611.866	-1.61343	0.168056	-9.60055	7.95E-22	1.53E-20	1090.136	762.5447	914.8868	287.9444	310.171	305.5138
7876	LOC103241	37.30644	-1.61446	0.468373	-3.44695	0.000567	0.001914	59.6295	60.2153	47.30973	20.08914	23.53022	13.06473
549	PTPN13	13795.01	-1.61483	0.114263	-14.1326	2.39E-45	1.16E-43	19369.29	24265.67	18765.96	6716.47	6558.513	7094.15
10628	ELOVL3	29.3442	-1.61496	0.59556	-2.71167	0.006695	0.016746	39.5723	51.45671	40.35242	6.696381	29.94755	8.039836
973	GADD45A	1400.732	-1.61591	0.145227	-11.1268	9.29E-29	2.54E-27	1917.359	2552.581	1866.647	656.2453	725.1585	686.401
518	DCLK1	1960.282	-1.61626	0.112338	-14.3874	6.21E-47	3.19E-45	2889.32	3223.708	2760.662	899.5472	975.4345	1013.019
5218	LOC103211	221.9097	-1.6189	0.354157	-4.57112	4.85E-06	2.47E-05	478.6623	153.8227	374.9992	89.28508	91.98176	142.7071
7719	RASEF	41.52864	-1.61918	0.464375	-3.48678	0.000489	0.001684	52.04029	72.80577	61.22436	20.08914	29.94755	13.06473
20816	LOC119621	2.748212	-1.62129	1.796654	-0.90239	0.366848	0.468517	6.505036	2.737059	2.782925	4.464254	0	0
715	RAB28	766.4065	-1.62211	0.127829	-12.6897	6.74E-37	2.51E-35	1126.455	1219.634	1124.302	361.6046	393.5964	372.8474
5377	LOC103211	70.44656	-1.62237	0.362384	-4.47692	7.57E-06	3.74E-05	123.0536	87.03848	107.1426	31.24978	47.06043	27.13445
8904	FRMD5	32.36618	-1.62321	0.516392	-3.14336	0.00167	0.004986	47.16151	57.47824	40.35242	15.62489	23.53022	10.04979
27297	LOC119621	0.477346	-1.6238	3.961591	-0.40988	0.68189	NA	2.168345	0	0.695731	0	0	0
27656	TRNAM-CA	0.477346	-1.6238	3.961591	-0.40988	0.68189	NA	2.168345	0	0.695731	0	0	0
2845	SPOCD1	174.8971	-1.62466	0.245408	-6.62024	3.59E-11	3.35E-10	292.7266	260.568	243.506	62.49956	85.56443	104.5179
676	CEP170	15018.89	-1.62506	0.125366	-12.9625	2.00E-38	7.85E-37	20499.54	27330.63	20224.91	7294.591	7016.283	7747.387
8578	LOC103241	32.65582	-1.62526	0.502504	-3.23432	0.001219	0.003779	42.82482	47.07742	57.04997	13.39276	23.53022	12.05975
1565	LOC103231	522.5759	-1.62544	0.179506	-9.05508	1.36E-19	2.32E-18	696.0389	953.5914	715.2118	245.534	290.9191	234.1602
19495	TRNAC-GC	3.540831	-1.62577	1.476059	-1.10143	0.270711	0.369172	4.336691	6.568942	4.87012	4.464254	0	1.004979
1553	LOC103221	287.1509	-1.62641	0.17923	-9.0744	1.14E-19	1.96E-18	434.2112	441.2139	425.0919	131.6955	154.016	136.6772
27522	LOC119621	0.478234	-1.62683	3.587241	-0.4535	0.650185	NA	1.626259	0.547412	0.695731	0	0	0
28239	LOC119611	0.478234	-1.62683	3.587241	-0.4535	0.650185	NA	1.626259	0.547412	0.695731	0	0	0
5318	PTPRB	102.3473	-1.62694	0.360729	-4.51014	6.48E-06	3.24E-05	143.1108	166.4132	149.5822	60.26743	70.59065	24.11951
6534	LOC119621	47.01023	-1.62769	0.414681	-3.92516	8.67E-05	0.000353	76.43418	62.40495	75.83472	17.85702	21.39111	28.13943
1063	LOC103241	1765.743	-1.6278	0.152393	-10.6816	1.24E-26	3.11E-25	2447.52	3292.682	2259.04	915.1721	894.1483	785.8939
6901	TRNAI-AAI	40.55713	-1.62792	0.431107	-3.77615	0.000159	0.000614	60.17159	59.12048	64.70302	17.85702	21.39111	20.09959
652	LOC119621	1903.634	-1.62894	0.124346	-13.1001	3.29E-39	1.34E-37	2748.92	3177.178	2714.048	906.2436	834.2532	1041.159
28888	LOC119621	0.479121	-1.62937	3.559489	-0.45776	0.647128	NA	1.084173	1.094824	0.695731	0	0	0
29253	LOC103241	0.479121	-1.62937	3.559489	-0.45776	0.647128	NA	1.084173	1.094824	0.695731	0	0	0
4415	EBF4	88.18758	-1.63123	0.321697	-5.07071	3.96E-07	2.39E-06	136.6058	113.8617	149.5822	31.24978	55.61688	42.20914
471	CKS1B	1842.717	-1.6329	0.109719	-14.8825	4.28E-50	2.42E-48	2710.974	2621.008	3025.736	935.2612	892.0091	871.3172
364	ODC1	30246.71	-1.63337	0.100706	-16.2192	3.69E-59	2.69E-57	49509.29	40528.18	47210.94	14502.13	14255.03	15474.67
453	TSEN15	1621.508	-1.63523	0.108609	-15.0561	3.15E-51	1.85E-49	2601.472	2329.237	2429.494	752.2268	825.6967	790.9188
5463	LOC119621	60.69282	-1.63532	0.368925	-4.43265	9.31E-06	4.53E-05	84.02339	100.7238	90.44508	22.32127	38.50399	28.13943
4733	FOXA3	92.64496	-1.63538	0.336436	-4.86089	1.17E-06	6.56E-06	148.5317	128.6418	139.842	69.19594	38.50399	31.15436
961	SLC47A2	1418.37	-1.63736	0.146811	-11.1528	6.94E-29	1.92E-27	2381.385	1800.985	2265.997	647.3168	624.6203	789.9139
14304	LOC119611	15.21777	-1.6375	0.835266	-1.96045	0.049943	0.092822	27.10432	16.96977	24.3506	17.85702	0	5.024897
1051	TMEFF1	513.6708	-1.63907	0.152363	-10.7576	5.46E-27	1.38E-25	747.5371	844.109	737.4753	252.2303	269.5279	231.1453
1214	CACNB4	598.733	-1.64096	0.162249	-10.1139	4.80E-24	1.05E-22	852.1598	1020.923	845.3136	252.2303	344.3968	277.3743
751	CDC42EP3	21057.41	-1.64115	0.13169	-12.4622	1.20E-35	4.25E-34	27864.87	39350.15	28458.89	10205.28	9901.943	10563.34
2791	FAM71A	212.3161	-1.6421	0.244699	-6.71069	1.94E-11	8.85E-10	296.5212	355.2703	306.8175	131.6955	111.2338	72.35852
3631	LOC119621	99.85008	-1.6423	0.287588	-5.71061	1.13E-08	8.24E-08	152.3263	142.3271	157.2353	55.80317	49.19955	42.20914
8752	LOC119621	29.4424	-1.64374	0.515614	-3.18792	0.001433	0.004353	50.41403	42.69812	39.65669	17.85702	14.97377	11.05477
336	VGF	30448.15	-1.64389	0.098895	-16.6226	4.78E-62	3.79E-60	45791.12	44597.64	48023.55	15055.7	13151.25	16069.62
278	AK2	10018.98	-1.64547	0.092048	-17.8761	1.81E-71	1.73E-69	14477.5	16543.33	14531.05	4921.84	4817.277	4822.896
3885	LOC119621	97.94637	-1.64652	0.30163	-5.45874	4.80E-08	3.28E-07	143.6529	141.2322	163.4969	44.64254	36.36488	58.28881
8621	LOC103211	33.37651	-1.64715	0.511006	-3.22335	0.001267	0.003907	44.99317	54.74118	50.09266	17.85702	23.53022	9.044815
1290	NGEF	396.3966	-1.64837	0.166784	-9.88327	4.92E-23	1.01E-21	631.5306	563.8342	612.2436	189.7308	168.9897	212.0507
7231	LOC103241	44.37279	-1.64841	0.450687	-3.65754	0.000255	0.000936	71.01331	53.64636	78.61764	11.16063	25.66933	26.12947
19259	LOC119621	3.535303	-1.65063	1.444402	-1.14278	0.25313	0.349382	8.673382	4.379295	2.782925	2.232127	2.139111	1.004979
6025	LOC103241	49.26552	-1.6508	0.397419	-4.15381	3.27E-05	0.000144	75.89209	70.61612	76.53045	26.78552	25.66933	20.09959
408	SNRNP40	2104.88	-1.65249	0.106018	-15.5869	8.93E-55	5.82E-53	3291.548	3058.937	3240.021	982.1359	956.1825	1100.453
837	TAF12	1520.757	-1.65256	0.139591	-11.8386	2.47E-32	7.83E-31	2057.218	2680.128	2179.726	718.7449	821.4185	667.3064
2756	LOC119621	160.5608	-1.65341	0.244475	-6.76312	1.35E-11	1.30E-10	257.491	211.8484	263.6822	62.49956	83.42532	84.41828
9496	CHGA	35.52538	-1.65398	0.554183	-2.98453	0.00284	0.007951	46.07734	65.14201	48.00546	20.08914	27.80844	6.029877
17875	LOC119621	5.201254	-1.65933	1.215693	-1.36493	0.172277	0.256222	5.96295	8.211177	9.740239	0	4.278221	3.014938
1616	TMSB15B	2142.991	-1.65976	0.185741	-8.9359	4.04E-19	6.64E-18	3721.965	2154.613	3888.443	1053.564	1069.555	969.8052
211	MTHFD2	6782.271	-1.66155	0.083811	-19.8249	1.82E-87	2.29E-85	10594.54	9892.279	10433.88	3229.888	3272.839	3270.203
431	PTK7	10504.1	-1.6638	0.10871	-15.3049	7.09E-53	4.38E-51	16792.21	15262.94	15862.68	5020.054	4423.681	5663.059
2981	ST6GAL1	145.6332	-1.6659	0.258266	-6.45033	1.12E-10	9.95E-10	215.2083	225.5337	219.1554	80.35657	81.28621	52.25893
11339	LOC103231	18.24785	-1.66604	0.65376	-2.5484	0.010822	0.025373	22.76763	25.18094	34.78657	11.16063	8.556443	7.034856
4354	TIAM2	75.14099	-1.66664	0.326047	-5.11164	3.19E-07	1.95E-06	111.1277	120.4306	110.6213	42.41041	32.08666	34.1693
14356	LOC103231	11.9634	-1.66759	0.854929	-1.95056	0.05111	0.						



3113	AOC2	127.2585	-1.67331	0.267103	-6.26468	3.74E-10	3.19E-09	217.3766	177.9088	188.5432	58.0353	51.33866	70.34856
8072	LOC119621	39.57911	-1.67341	0.493354	-3.39191	0.000694	0.002286	52.58238	67.87906	57.7457	24.5534	25.66933	9.044815
1238	NRP2	485.1801	-1.67375	0.166855	-10.0311	1.11E-23	2.39E-22	677.0659	853.9624	682.5125	236.6055	243.8586	217.0756
5357	TCF15	72.45554	-1.67422	0.373282	-4.48513	7.29E-06	3.62E-05	106.791	107.2927	113.4042	37.94616	49.19955	20.09959
11500	TRNAC-GC	20.11937	-1.67577	0.666002	-2.51617	0.011864	0.027426	29.81475	28.46541	33.39511	17.85702	2.139111	9.044815
20903	LOC119621	2.229962	-1.67616	1.882816	-0.89024	0.373337	0.47482	5.420864	0.547412	4.174388	2.232127	0	1.004979
701	DCAF16	1428.594	-1.67828	0.130871	-12.824	1.20E-37	4.57E-36	2096.79	2506.051	1929.263	683.0309	660.9852	695.4458
5202	LOC119615	86.47805	-1.68031	0.367084	-4.57746	4.71E-06	2.41E-05	154.4946	94.15483	148.1908	22.32127	53.47777	46.22906
4942	LOC119621	81.76857	-1.68099	0.35626	-4.71843	2.38E-06	1.28E-05	121.4273	113.3142	136.3633	33.4819	59.8951	26.12947
817	LOC103241	1199.764	-1.68289	0.140711	-11.9599	5.76E-33	1.87E-31	2014.935	1596.253	1884.736	566.9603	500.5519	635.147
1363	JDP2	647.6249	-1.68382	0.174034	-9.67525	3.84E-22	7.49E-21	835.8972	1205.948	917.6697	328.1227	318.7275	279.3843
6479	RIMS4	67.84514	-1.6843	0.426619	-3.94801	7.88E-05	0.000323	116.5486	77.73248	112.7085	37.94616	47.06043	15.07469
4795	LOC103225	81.36447	-1.6864	0.350078	-4.8172	1.46E-06	8.07E-06	147.9896	89.77554	134.2762	46.87467	32.08666	37.18424
2063	ANGPTL8	195.3414	-1.687	0.214493	-7.86506	3.69E-15	4.75E-14	312.2417	288.486	296.3816	82.5887	89.84265	102.5079
638	RAI14	5811.196	-1.68911	0.127705	-13.2267	6.16E-40	2.57E-38	7994.69	10716.13	7904.204	2725.427	2718.81	2807.913
21377	LOC119624	1.769694	-1.69027	2.060396	-0.82036	0.412011	0.512363	4.878777	1.642235	2.087194	0	0	2.009959
5059	PARM1	71.54492	-1.69208	0.363436	-4.65579	3.23E-06	1.70E-05	97.03346	133.0211	95.3152	42.41041	36.36488	25.12449
3038	ALDOC	122.144	-1.69326	0.266405	-6.35596	2.07E-10	1.81E-09	196.7774	183.9304	180.1944	64.73168	44.92132	62.30873
297	ARHGEF2	14641.3	-1.69352	0.096678	-17.5173	1.06E-68	9.47E-67	21586.42	24391.03	21132.14	6843.701	6552.096	7342.38
13475	LOC103225	13.07992	-1.69398	0.802219	-2.11162	0.034719	0.068498	20.0572	19.15941	20.17621	2.232127	12.83466	4.019918
1466	SHROOM3	312.9573	-1.69402	0.181555	-9.33062	1.05E-20	1.91E-19	455.8946	526.0628	455.0083	145.0883	136.9031	158.7868
29141	TRNAN-GL	0.502954	-1.69456	3.958986	-0.42803	0.668631	NA	1.626259	0	1.391463	0	0	0
29356	LOC119621	0.502954	-1.69456	3.958986	-0.42803	0.668631	NA	1.626259	0	1.391463	0	0	0
9302	P4HA3	26.92722	-1.69487	0.55902	-3.03187	0.00243	0.006946	37.40396	43.24553	41.04815	17.85702	14.97377	7.034856
17142	CLPSL1	7.048893	-1.69565	1.150469	-1.47388	0.140514	0.217909	12.46799	7.116354	11.82743	4.464254	6.417332	0
29363	LOC119621	0.503841	-1.69623	3.499409	-0.48472	0.627875	NA	1.084173	0.547412	1.391463	0	0	0
28991	LOC119621	0.504729	-1.69862	3.497345	-0.48569	0.627188	NA	0.542086	1.094824	1.391463	0	0	0
21437	LOC103241	1.775907	-1.69882	2.089401	-0.81307	0.416179	0.516099	1.084173	5.474118	2.087194	0	0	2.009959
4695	EPHA10	71.30351	-1.70218	0.348357	-4.88631	1.03E-06	5.82E-06	116.5486	101.2712	107.1426	44.64254	32.08666	26.12947
485	ADAMTSL3	2400.31	-1.70486	0.115277	-14.7893	1.72E-49	9.41E-48	3598.369	3922.753	3511.356	1062.492	1039.608	1267.279
8341	CXCL16	32.32605	-1.70589	0.516949	-3.29992	0.000967	0.003082	56.91907	47.62483	42.43961	13.39276	23.53022	10.04979
21948	LOC119615	1.398554	-1.70609	2.316821	-0.73639	0.461493	0.558994	1.084173	4.379295	0.695731	2.232127	0	0
6357	DNASE1L3	46.63376	-1.70723	0.426495	-4.00293	6.26E-05	0.000262	76.97626	55.28859	81.40057	26.78552	19.252	20.09959
4391	IL18R1	78.1819	-1.70765	0.335922	-5.08347	3.71E-07	2.24E-06	125.222	122.6202	111.317	24.5534	49.19955	36.17926
7398	LOC119624	50.43782	-1.70973	0.474846	-3.60059	0.000317	0.001141	93.23886	52.55153	89.05362	15.62489	14.97377	37.18424
17132	LOC103225	5.955168	-1.71053	1.159035	-1.47582	0.139992	0.217234	3.794605	11.49565	11.82743	4.464254	2.139111	2.009959
484	DEPDC1B	989.2529	-1.71067	0.11561	-14.7968	1.54E-49	8.44E-48	1533.562	1476.37	1535.479	466.5145	466.3261	457.2657
15797	LOC119625	8.433142	-1.71105	1.004938	-1.70264	0.088636	0.149166	13.55216	8.211177	17.39328	0	6.417332	5.024897
812	INHBE	600.1271	-1.71164	0.142516	-12.0101	3.14E-33	1.03E-31	903.1159	885.1649	969.1538	310.2657	256.6933	276.3694
276	COL4A1	8197.556	-1.71185	0.095677	-17.8919	1.36E-71	1.31E-69	12562.85	13262.69	11865.7	3808.009	3578.732	4107.351
4701	MAP1LC3C	79.35035	-1.71324	0.350789	-4.88396	1.04E-06	5.88E-06	143.6529	91.41777	128.0146	37.94616	44.92132	30.14938
605	E2F5	808.7116	-1.71548	0.12651	-13.56	6.91E-42	3.04E-40	1261.435	1197.737	1255.795	401.7829	380.7617	354.7578
16902	LOC119625	6.471419	-1.71557	1.138852	-1.5064	0.131964	0.207564	13.55216	8.758589	8.348776	0	2.139111	6.029877
3700	LOC119621	163.1548	-1.71818	0.304701	-5.63891	1.71E-08	1.23E-07	186.4777	364.0289	200.3706	73.66019	77.00798	77.38342
13799	LOC119621	11.06528	-1.7194	0.839947	-2.04704	0.040655	0.078325	17.34676	17.51718	15.30609	8.928508	4.278221	3.014938
1473	LOC119621	314.4344	-1.71969	0.184541	-9.31874	1.18E-20	2.12E-19	502.5141	425.339	519.7113	136.1597	156.1551	146.727
4618	LOC119621	68.65567	-1.72058	0.348519	-4.93683	7.94E-07	4.57E-06	115.4644	91.96518	107.8384	29.01765	38.50399	29.1444
8830	LOC119621	38.46023	-1.72167	0.544348	-3.16281	0.001563	0.004704	69.38706	58.02565	48.00546	8.928508	36.36488	10.04979
4593	LOC119615	70.51067	-1.72216	0.348186	-4.9461	7.57E-07	4.38E-06	127.9324	92.5126	103.664	35.71403	32.08666	31.15436
6169	LOC119615	80.87881	-1.72668	0.422225	-4.08948	4.32E-05	0.000186	171.8414	68.42648	134.9719	24.5534	34.25277	51.25395
893	NAT16	1768.587	-1.72763	0.150218	-11.5008	1.31E-30	3.89E-29	2341.813	3370.962	2439.234	834.8155	776.4972	848.2027
830	STK32B	978.0277	-1.72819	0.145565	-11.8723	1.65E-32	5.28E-31	1374.731	1733.653	1404.682	404.015	455.6306	495.4549
257	GTPBP2	7398.666	-1.73184	0.094945	-18.2405	2.46E-74	2.55E-72	11551.32	11977.37	10599.47	3287.923	3334.874	3641.041
291	TRIP13	2498.381	-1.73402	0.098385	-17.6248	1.59E-69	1.45E-67	3972.409	3761.267	3797.998	1084.814	1165.815	1207.985
7433	NKX2-8	36.33331	-1.73506	0.483773	-3.58652	0.000335	0.001199	58.00324	42.15071	66.79021	15.62489	21.39111	14.06971
18069	LOC103241	4.553749	-1.73583	1.305219	-1.32992	0.183546	0.270052	5.420864	6.568942	9.044508	0	4.278221	2.009959
1897	LOC119621	1730.902	-1.73616	0.211655	-8.20277	2.35E-16	3.29E-15	3077.966	1628.003	3278.286	892.8508	812.8621	695.4458
1428	SYNE3	350.2284	-1.73641	0.183921	-9.44106	3.69E-21	6.87E-20	535.5813	531.5369	542.6705	167.4095	192.52	131.6523
21685	LOC119615	1.405109	-1.73766	2.229168	-0.77951	0.435679	0.534126	2.710432	2.189647	1.391463	0	2.139111	0
2980	GCNA	134.6253	-1.73771	0.26939	-6.45052	1.11E-10	9.94E-10	185.3935	235.3871	198.9792	53.57105	79.14709	55.27387
11172	GPR37	19.24928	-1.74223	0.673587	-2.58649	0.009696	0.023072	32.52518	22.44388	35.4823	6.696381	4.278221	14.06971
10023	LOC103241	26.15747	-1.74236	0.610085	-2.85594	0.004291	0.011381	48.78777	26.27577	44.52681	8.928508	21.39111	7.034856
616	TMEM170I	1521.264	-1.74466	0.12995	-13.4256	4.28E-41	1.85E-39	2290.857	2683.413	2055.886	676.3345	716.6021	704.4906
2225	PLAC8L1	210.9836	-1.74504	0.230848	-7.55926	4.05E-14	4.84E-13	346.9353	315.3092	318.645	71.42806	91.98176	121.6025
295	NPC2	12623.68	-1.74643	0.099475	-17.5565	5.30E-69	4.78E-67	20539.11	17493.09	20325.1	5839.244	5465.428	6080.126
3454	C5	104.2588	-1.74727	0.296295	-5.89704	3.70E-09	2.85E-08	151.7842	164.2235	162.8011	62.49956	47.06043	37.18424
386	COL4A3	2404.538	-1.74798	0.109806	-15.9188	4.69E-57	3.23E-55	3634.689	4059.606	3421.607	1060.26	1163.676	1087.388
379	KIF1A	2087.861	-1.74832	0.108776	-16.0727	3.97E-58	2.78E-56	3050.862	3366.583	3245.587	910.7078	911.2611	1042.164
4952	LOC119621	77.68931	-1.74866	0.371005	-4.7133	2.44E-06	1.31E-05	140.4004	78.8273	141.2335	31.24978	34.22577	40.19918
3128	STAT5A	125.9707	-1.74912	0.280049	-6.24575	4.22E-10	3.58E-09	198.9457	186.12	193.4133	60.26743	74.86887	42.20914
14691	NAGS	9.195053	-1.74924	0.924758	-1.89157	0.058548	0.10595	17.88885	9.306001	15.30609	2.232127	6.417332	4.019918
6405	LOC103241	87.442228	-1.7497	0.439901	-3.97749								



9972	LOC119621	22.60877	-1.75262	0.610767	-2.86954	0.004111	0.010959	41.74065	24.08612	38.96096	13.39276	6.417332	11.05477
1300	CSRN3	486.4709	-1.75367	0.177902	-9.85749	6.36E-23	1.30E-21	694.4126	865.4581	686.6869	212.0521	265.2497	194.966
725	RASL10B	810.1489	-1.75464	0.139027	-12.6209	1.62E-36	5.94E-35	1263.061	1263.974	1232.14	323.6584	352.9533	425.1063
5155	ADAMTS1	68.89946	-1.75529	0.381616	-4.59963	4.23E-06	2.18E-05	102.4543	117.1461	96.70666	26.78552	49.19955	21.10457
533	KCNMB4	949.7458	-1.75843	0.123502	-14.2381	5.32E-46	2.65E-44	1535.189	1463.232	1404.682	430.8005	404.2919	460.2806
8115	NYNRIN	32.41163	-1.75957	0.521575	-3.37357	0.000742	0.00243	48.78777	58.57306	41.04815	15.62489	21.39111	9.044815
983	MFS02A	551.1111	-1.75998	0.158944	-11.0729	1.70E-28	4.59E-27	923.1731	761.9972	867.577	283.4801	218.1893	252.2498
27631	TRNAM-C	0.528561	-1.76227	3.922677	-0.44925	0.65325	NA	1.084173	0	2.087194	0	0	0
28840	LOC10321	0.528561	-1.76227	3.922677	-0.44925	0.65325	NA	1.084173	0	2.087194	0	0	0
4330	ZCCHC12	69.38753	-1.7623	0.343459	-5.13105	2.88E-07	1.77E-06	95.94929	111.1246	113.4042	33.4819	34.22577	28.13943
968	PDE4B	452.2589	-1.76334	0.158297	-11.1395	8.06E-29	2.21E-27	685.7393	721.4888	683.2082	218.7484	222.4675	181.9013
796	LOC10323	866.4838	-1.76402	0.145574	-12.1177	8.52E-34	2.84E-32	1432.192	1237.698	1353.198	408.4792	325.1448	442.191
16169	LOC11962	7.037207	-1.76512	1.081135	-1.63265	0.102543	0.1686	11.9259	8.758589	11.82743	6.696381	0	3.014938
5281	HPSE	58.03173	-1.76689	0.389995	-4.53053	5.88E-06	2.96E-05	106.2489	81.01695	80.70484	35.71403	21.39111	23.11453
931	RAD21L1	436.2741	-1.76728	0.155885	-11.3371	8.60E-30	2.46E-28	662.4295	709.4457	649.1174	212.0521	194.6591	189.9411
4162	LOC11962	113.5486	-1.76768	0.336729	-5.24957	1.52E-07	9.74E-07	189.7302	117.6935	221.9383	49.10679	38.50399	64.31869
552	MSH5	872.0237	-1.76845	0.125192	-14.1258	2.63E-45	1.27E-43	1425.687	1284.776	1334.413	379.4616	412.8484	394.9569
456	ADCY7	3531.661	-1.77019	0.117645	-15.047	3.61E-51	2.11E-49	5962.408	4784.379	5645.86	1609.364	1467.43	1720.525
8789	LOC11962	29.91579	-1.77056	0.557343	-3.17678	0.001489	0.004504	50.41403	38.31883	50.09266	22.32127	4.278221	14.06971
271	FRMD6	4581.451	-1.77131	0.098484	-17.9857	2.52E-72	2.47E-70	7225.469	7189.707	6856.433	2042.396	1914.504	2260.199
1815	PIGV	224.3037	-1.77478	0.210862	-8.41679	3.87E-17	5.66E-16	349.6457	318.5937	373.6077	84.82083	117.6511	101.5029
7160	LOC11962	41.88972	-1.77547	0.482957	-3.67625	0.000237	0.000879	81.31296	39.41365	73.05179	20.08914	21.39111	16.07967
21824	LOC11962	1.176954	-1.77812	2.352298	-0.75591	0.449703	0.547742	1.084173	2.189647	2.782925	0	0	1.004979
22330	LOC10323	1.165759	-1.77826	2.654799	-0.66983	0.502967	0.598808	3.252518	2.737059	0	0	0	1.004979
6616	LOC10321	62.22514	-1.77837	0.456462	-3.89599	9.78E-05	0.000393	135.5216	47.07742	107.1426	26.78552	25.66933	31.15436
8118	LOC11962	29.58986	-1.77929	0.527512	-3.37298	0.000744	0.002435	37.94605	58.02565	41.04815	15.62489	12.83466	12.05975
3956	LOC10323	78.65775	-1.7794	0.329139	-5.40624	6.44E-08	4.33E-07	127.9324	110.5772	128.7103	35.71403	27.80844	41.20416
6724	AFF2	44.2535	-1.77996	0.462708	-3.84683	0.00012	0.000473	63.96619	81.01695	58.44144	20.08914	29.94755	12.05975
2999	MAMDC2	124.0203	-1.78106	0.277498	-6.41827	1.38E-10	1.22E-09	195.1511	215.6803	167.6713	42.41041	59.8951	63.31371
4246	CYP24A1	75.53558	-1.78274	0.343464	-5.19045	2.10E-07	1.31E-06	116.0065	125.9047	108.5341	24.5534	47.06043	31.15436
305	TBL1X	16485.46	-1.78356	0.102871	-17.3378	2.44E-67	2.12E-65	24800.45	28213.6	23644.43	7100.396	7121.099	8032.801
5914	RAPSN	50.20875	-1.7837	0.424194	-4.20492	2.61E-05	0.000117	96.49137	59.66789	78.61764	20.08914	19.252	27.13445
2798	DLG2	184.6205	-1.78441	0.266388	-6.69852	2.11E-11	2.00E-10	253.1543	314.7618	284.5541	100.4457	100.5382	54.26889
4909	EFHC2	73.76381	-1.78652	0.376954	-6.73935	2.14E-06	1.16E-05	104.6227	117.6935	117.5786	31.24978	51.33866	20.09959
1492	LOC11961	261.478	-1.78661	0.19285	-9.26427	1.96E-20	3.50E-19	433.6691	376.0719	405.6114	111.6063	128.3466	113.5627
4918	LOC10323	170.8377	-1.7867	0.377413	-4.73408	2.20E-06	1.19E-05	333.9252	122.6202	341.6041	64.73168	55.61688	106.5278
719	LOC10323	2430.352	-1.78779	0.141188	-12.6625	9.54E-37	3.53E-35	3488.868	4526.001	3299.158	1008.921	1048.164	1211
17224	LOC11962	5.258564	-1.78883	1.222295	-1.4635	0.14333	0.221229	8.673382	4.926706	10.43597	2.232127	4.278221	1.004979
699	MFNG	2263.262	-1.78932	0.139431	-12.8331	1.07E-37	4.07E-36	3893.806	2864.606	3779.213	912.9399	1039.608	1089.398
10927	TRPA1	18.24577	-1.79126	0.676919	-2.64619	0.00814	0.019805	26.56223	25.72836	31.30791	11.16063	10.69555	4.019918
10334	MATN3	20.69234	-1.79408	0.64514	-2.78092	0.00542	0.013945	30.89892	25.18094	38.96096	13.39276	10.69555	5.024897
20906	LOC11962	1.898619	-1.79932	2.021966	-0.88989	0.373527	0.474955	1.626259	2.189647	5.565851	0	0	2.009959
11293	LCP1	18.28573	-1.79968	0.702993	-2.56003	0.010466	0.024641	24.93597	36.12918	22.95914	6.696381	14.97377	4.019918
1967	NEB	289.6835	-1.80343	0.223894	-8.05484	7.96E-16	1.08E-14	397.8914	572.5928	378.4779	127.2312	143.3204	118.5876
342	RSKR	1702.859	-1.80442	0.10908	-16.5421	1.83E-61	1.42E-59	2737.536	2763.882	2442.017	763.3874	746.5496	763.7844
3403	SMIM1	126.8364	-1.80542	0.303774	-5.94329	2.79E-09	2.18E-08	239.0601	141.7797	212.1981	44.64254	62.03421	61.30375
3834	LOC10322	100.9832	-1.80576	0.327739	-5.50976	3.59E-08	2.49E-07	183.7673	125.9047	157.931	55.80317	51.33866	31.15436
2586	LOC10323	226.8209	-1.80716	0.258044	-7.0033	2.50E-12	2.57E-11	291.1004	459.2785	304.0346	111.6063	115.512	79.39338
411	TAF4B	1653.547	-1.8078	0.116301	-15.5441	1.74E-54	1.13E-52	2563.526	2738.154	2420.449	656.2453	770.0798	772.8292
1439	ZCCHC4	290.0334	-1.80909	0.192319	-9.40676	5.12E-21	9.45E-20	491.1303	392.4943	470.3144	124.9991	132.6249	128.6374
16623	LOC10322	6.208945	-1.80956	1.164422	-1.55404	0.120175	0.192194	7.589209	16.96977	4.174388	2.232127	4.278221	2.009959
3906	DDX60L	103.8022	-1.80989	0.332666	-5.44058	5.31E-08	3.61E-07	162.0838	169.6977	148.8865	42.41041	70.59065	29.1444
5726	LOC11962	51.13657	-1.81105	0.420109	-4.3109	1.63E-05	7.55E-05	72.63957	72.80577	94.61947	26.78552	12.83466	27.13445
27298	LOC11962	0.542086	-1.81168	3.954941	-0.45808	0.646895	NA	3.252518	0	0	0	0	0
7402	IL20RB	40.61409	-1.81172	0.503297	-3.59972	0.000319	0.001144	67.7608	64.59459	54.96278	33.4819	12.83466	10.04979
3634	HSD11B1	86.48759	-1.81282	0.317542	-5.70891	1.14E-08	8.32E-08	149.6158	114.9565	138.4505	37.94616	42.78221	35.17428
3786	CELF2	176.7259	-1.81388	0.326425	-5.5568	2.75E-08	1.93E-07	256.4069	319.6885	243.506	87.05295	115.512	38.18922
26956	TRNAE-UU	0.543862	-1.81647	3.865444	-0.46992	0.638409	NA	2.168345	1.094824	0	0	0	0
27419	CUNH3orf	0.543862	-1.81647	3.865444	-0.46992	0.638409	NA	2.168345	1.094824	0	0	0	0
2191	LOC10323	165.9789	-1.81813	0.238485	-7.62369	2.47E-14	2.99E-13	258.5752	276.443	244.2017	69.19594	62.03421	85.42325
3863	PHOSPHO	90.40482	-1.81818	0.331519	-5.4844	4.15E-08	2.86E-07	111.1277	179.0037	132.189	42.41041	38.50399	39.1942
28482	LOC10321	0.546524	-1.82302	3.896792	-0.46783	0.639908	NA	0.542086	2.737059	0	0	0	0
4452	RGS9	144.1563	-1.82628	0.362313	-5.04061	4.64E-07	2.77E-06	238.518	198.7105	233.07	49.10679	113.3729	32.15934
9934	TRNAC-GC	21.2962	-1.82804	0.635104	-2.87834	0.003998	0.010701	30.35684	26.27577	42.43961	6.696381	14.97377	7.034856
1410	LOC10322	565.6698	-1.82913	0.192628	-9.49562	2.19E-21	4.13E-20	1046.769	656.3468	943.4117	252.2303	263.1106	232.1503
4169	TIMP3	69.77712	-1.8306	0.348993	-5.24539	1.56E-07	9.94E-07	102.9964	113.8617	107.8384	33.4819	36.36488	24.11951
12879	CYP39A1	11.45008	-1.83138	0.82398	-2.2226	0.026243	0.054171	20.0572	15.87494	18.08902	2.232127	6.417332	6.029877
1382	DCLK2	309.7593	-1.83207	0.190664	-9.60888	7.33E-22	1.41E-20	506.3087	439.5717	500.2309	142.8561	154.016	115.5726
2117	SAPCD1	157.9921	-1.83586	0.23635	-7.76755	8.00E-15	1.00E-13	258.0331	227.7233	253.942	69.19594	72.72976	66.32864
2516	SERTM1	139.7545	-1.83612	0.258555	-7.10148	1.23E-12	1.30E-11	220.6292	245.2405	190.6304	55.80317	59.8951	66.32864
12831	GRPR	17.19228	-1.83696	0.822507	-2.23337	0.025525	0.052886	20.59928	32.84471	26.43779	0	19.252	4.019918
1218	NMRK1	323.8632	-1.83836	0.181916	-10.1055	5.22E-24	1.14E-22	495.4669	520.5				



10494	LOC119621	33.03792	-1.83998	0.670091	-2.74586	0.006035	0.015289	84.02339	15.32753	57.04997	11.16063	8.556443	22.10955
1368	LYAR	919.2997	-1.84154	0.190616	-9.66098	4.42E-22	8.58E-21	1301.007	1894.592	1118.04	357.1403	429.9612	415.0565
256	NXN	6136.724	-1.84469	0.101099	-18.2464	2.21E-74	2.29E-72	9852.962	9457.087	9501.603	2729.891	2374.413	2904.391
3202	LOC119620	127.5007	-1.84498	0.299488	-6.16044	7.25E-10	6.02E-09	183.7673	223.8914	186.456	80.35657	51.33866	39.1942
3026	RUNDC3B	107.89	-1.84613	0.289807	-6.37019	1.89E-10	1.66E-09	160.4576	194.3312	150.9737	53.57105	42.78221	45.22408
4531	NPR1	70.18609	-1.84637	0.36975	-4.99357	5.93E-07	3.48E-06	102.9964	96.89189	127.3188	29.01765	42.78221	22.10955
3291	PSD4	94.8433	-1.85045	0.30584	-6.05038	1.45E-09	1.17E-08	159.9155	140.1374	143.3207	40.17829	51.33866	34.1693
15974	LOC119620	6.356921	-1.85078	1.108537	-1.66957	0.095004	0.158112	12.46799	6.02153	11.1317	2.232127	4.278221	2.009959
3147	LOC103230	15016.32	-1.85104	0.297508	-6.2218	4.91E-10	4.15E-09	26696.67	14053.16	29793.3	6685.22	6671.886	6197.708
14508	TRNAR-CC	8.270499	-1.85229	0.963561	-1.92234	0.054563	0.099982	9.757555	15.32753	13.91463	4.464254	2.139111	4.019918
17092	LOC103210	4.875877	-1.8532	1.249305	-1.48338	0.137973	0.214604	10.84173	4.379295	7.653045	2.232127	2.139111	2.009959
6588	RGS5	45.34632	-1.85322	0.47451	-3.90555	9.40E-05	0.000379	52.58238	102.366	57.7457	15.62489	25.66933	18.08963
10215	LOC119610	25.34303	-1.85423	0.659309	-2.81239	0.004918	0.012798	58.00324	21.89647	41.04815	4.464254	8.556443	18.08963
195	LOC103230	3318.55	-1.85462	0.09081	-20.423	1.05E-92	1.42E-90	5018.636	5359.709	5219.377	1439.722	1441.761	1432.096
15978	LOC119610	6.724725	-1.85536	1.111708	-1.66892	0.095132	0.158286	18.43094	6.568942	6.957314	2.232127	2.139111	4.019918
341	LOC103240	4940.762	-1.86034	0.112313	-16.5638	1.27E-61	9.92E-60	8305.305	6655.433	8284.769	2127.217	2092.05	2179.8
19586	LOC119610	2.791561	-1.8616	1.712081	-1.08733	0.27689	0.375811	4.336691	3.831883	5.565851	0	0	3.014938
548	CHST10	877.9222	-1.86268	0.131761	-14.1368	2.25E-45	1.09E-43	1431.65	1451.736	1247.446	397.3186	361.5097	377.8723
12277	CPN2	13.38765	-1.86501	0.793699	-2.34976	0.018785	0.040678	17.88885	24.08612	20.17621	4.464254	10.69555	3.014938
1685	LOC103210	326.8044	-1.86609	0.212853	-8.76703	1.83E-18	2.89E-17	503.5982	570.9505	469.6187	149.5525	96.25998	170.8465
9908	LOC103240	19.23063	-1.86658	0.647431	-2.88305	0.003938	0.010568	31.44101	28.46541	29.91645	6.696381	12.83466	6.029877
2351	MAB21L3	150.047	-1.8667	0.254306	-7.34037	2.13E-13	2.41E-12	271.0432	209.6587	224.7212	73.66019	59.8951	61.30375
462	ROB03	929.4517	-1.86855	0.124891	-14.9614	1.31E-50	7.55E-49	1451.707	1384.952	1545.219	392.8543	382.9008	419.0764
3974	AMDHD1	71.87318	-1.87008	0.346587	-5.39571	6.83E-08	4.57E-07	125.222	101.2712	111.317	26.78552	38.50399	28.13943
14777	LOC103220	8.332033	-1.87015	0.996141	-1.87739	0.060464	0.10878	8.131296	20.80165	10.43597	4.464254	2.139111	4.019918
233	IGFBP3	166089	-1.87225	0.098876	-18.9354	5.82E-80	6.65E-78	249375.5	290936.8	242426.9	70606.64	68207.68	74980.51
21673	LOC119620	1.251114	-1.87287	2.399555	-0.78051	0.435093	0.53367	1.084173	0.547412	4.87012	0	0	1.004979
3675	WNK2	89.19344	-1.87501	0.330412	-5.67476	1.39E-08	1.00E-07	133.3532	126.4521	157.931	37.94616	51.33866	28.13943
275	NSD2	8777.134	-1.87584	0.104772	-17.904	1.10E-71	1.06E-69	13116.32	15553.61	12720.75	3694.17	3668.575	3909.37
2207	LOC103230	162.0293	-1.87876	0.247655	-7.5862	3.29E-14	3.97E-13	273.2115	219.5121	270.6395	82.5887	59.8951	66.32864
227	ZCCHC17	2605.802	-1.87915	0.098632	-19.052	6.32E-81	7.37E-79	4041.796	4333.859	3917.663	1084.814	1140.146	1116.532
28480	LOC119620	0.569469	-1.87962	3.332485	-0.56403	0.572735	NA	1.626259	1.094824	0.695731	0	0	0
27852	LOC119620	0.570357	-1.88172	3.330791	-0.56495	0.572109	NA	1.084173	1.642235	0.695731	0	0	0
5505	KRT78	53.87447	-1.8825	0.426971	-4.40897	1.04E-05	5.02E-05	86.19173	88.68071	76.53045	24.5534	34.22577	13.06473
6225	LOC119620	44.91362	-1.88297	0.463269	-4.06453	4.81E-05	0.000206	64.50828	94.70224	51.48412	22.32127	21.39111	15.07469
15914	LOC103210	5.914819	-1.88323	1.119445	-1.68229	0.092513	0.154548	10.29964	8.758589	9.044508	2.232127	2.139111	3.014938
18393	LOC103210	4.75802	-1.88462	1.489087	-1.26562	0.205649	0.297243	8.131296	3.284471	10.43597	6.696381	0	0
28002	CARTPT	0.572132	-1.88512	3.834847	-0.49158	0.623019	NA	0	2.737059	0.695731	0	0	0
10949	LOC119620	15.80971	-1.88662	0.714763	-2.63951	0.008303	0.02016	31.44101	19.70683	23.65487	4.464254	8.556443	7.034856
216	COL5A1	7626.1	-1.88958	0.096271	-19.6277	8.97E-86	1.10E-83	12102.62	12057.84	11885.18	3149.531	2994.755	3566.672
6351	CDS1	36.41357	-1.8907	0.471959	-4.00607	6.17E-05	0.000258	58.54533	60.76271	52.17985	20.08914	12.83466	14.06971
3877	LOC103220	79.20618	-1.89084	0.345655	-5.4703	4.49E-08	3.08E-07	152.8684	118.241	103.664	26.78552	38.50399	35.17428
4435	LOC119620	65.38314	-1.89538	0.375033	-5.0539	4.33E-07	2.59E-06	108.4173	92.5126	109.2298	15.62489	36.36488	30.14938
3625	CLGN	89.23402	-1.8967	0.331879	-5.71504	1.10E-08	8.04E-08	118.1748	178.4563	125.2316	35.71403	40.6431	37.18424
11777	LOC119620	17.53377	-1.90222	0.775334	-2.45342	0.01415	0.03194	34.69353	17.51718	32.00364	8.928508	0	12.05975
5298	LOC103220	49.56904	-1.90398	0.421328	-4.51899	6.21E-06	3.12E-05	76.97626	68.42648	87.66215	29.01765	19.252	16.07967
1274	LOX	331.0619	-1.90602	0.192108	-9.92165	3.35E-23	6.99E-22	490.5882	597.7737	479.3589	120.5349	160.4333	137.6822
4784	SPX	53.62577	-1.90749	0.395575	-4.82207	1.42E-06	7.90E-06	75.89209	92.5126	85.57496	17.85702	27.80844	22.10955
6899	LOC103220	35.08803	-1.91035	0.505838	-3.7766	0.000159	0.000613	48.78777	63.49977	52.17985	15.62489	21.39111	9.044815
997	PRICKLE1	496.1904	-1.91046	0.173796	-10.9925	4.15E-28	1.11E-26	755.6684	886.8071	715.9076	183.0344	192.52	243.205
1015	TRIB3	3317.989	-1.91053	0.174845	-10.927	8.56E-28	2.24E-26	6288.202	3768.383	5675.777	1312.491	1229.989	1633.092
14562	LOC119620	10.31369	-1.91341	1.000253	-1.91292	0.055758	0.101794	26.02015	6.02153	17.39328	0	6.417332	6.029877
4170	LOC103210	65.13873	-1.91882	0.365824	-5.24519	1.56E-07	9.95E-07	120.8853	96.89189	91.14081	31.24978	23.53022	27.13445
457	OSBPL6	1187.082	-1.92408	0.128232	-15.0048	6.83E-51	3.98E-49	1789.427	2113.557	1734.458	499.9964	485.5781	499.4748
613	LOC103230	1525.499	-1.92613	0.142953	-13.4739	2.23E-41	9.66E-40	2230.685	2894.714	2117.806	671.8702	628.8985	609.0176
264	RCC1	2193.659	-1.92985	0.106736	-18.0806	4.53E-73	4.56E-71	3478.568	3557.082	3400.735	857.1368	868.4789	999.9546
2997	LOC119610	239.0019	-1.93065	0.300655	-6.42148	1.35E-10	1.20E-09	492.7565	218.9647	427.1791	78.12444	98.39909	118.5876
6844	FGFR2	34.66675	-1.93194	0.508502	-3.79927	0.000145	0.000564	42.28274	73.35318	48.7012	15.62489	14.97377	13.06473
4941	FAM83B	63.25349	-1.93238	0.409531	-4.71851	2.38E-06	1.28E-05	100.8281	118.241	78.61764	37.94616	27.80844	16.07967
245	PTPRF	4048.757	-1.93238	0.104043	-18.5729	5.32E-77	5.78E-75	6283.865	6653.243	6322.807	1689.72	1503.795	1839.112
7762	CILP2	26.59634	-1.93308	0.556297	-3.47491	0.000511	0.00175	45.53526	41.6033	38.26523	11.16063	14.97377	8.039836
1612	AMZ1	305.3454	-1.9366	0.216413	-8.94859	3.60E-19	5.94E-18	543.7126	411.6537	491.1863	136.1597	151.8769	97.48301
814	SYBU	456.6862	-1.93685	0.161395	-12.0006	3.53E-33	1.15E-31	749.1634	690.8337	727.735	187.4987	216.0502	168.8366
4832	CNN1	49.91758	-1.93758	0.404115	-4.79463	1.63E-06	8.97E-06	76.43418	84.30142	77.22618	22.32127	17.11289	22.10955
525	RAB15	2630.358	-1.93963	0.135749	-14.2883	2.59E-46	1.31E-44	3709.497	5042.21	3768.081	1042.403	1114.477	1105.477
4008	PPFIA2	93.37646	-1.94102	0.361713	-5.36617	8.04E-08	5.33E-07	144.195	151.0857	144.7121	42.41041	57.75599	20.09959
1979	KCNT2	153.4571	-1.94119	0.241664	-8.0326	9.54E-16	1.28E-14	255.3227	229.3656	244.8974	60.26743	70.59065	60.29877
13696	LOC103220	9.581511	-1.94297	0.939293	-2.06854	0.038589	0.074904	16.80468	15.32753	13.91463	0	6.417332	5.024897
4044	ATP8B4	71.38283	-1.94613	0.36454	-5.33858	9.37E-08	6.16E-07	93.78094	126.4521	118.9701	22.32127	40.6431	26.12947
14254	LOC119620	9.358977	-1.9465	0.98921	-1.96773	0.049099	0.091575	16.80468	16.96977	10.43597	8.928508	0	3.014938
1851	LOC103230	207.2815	-1.94655	0.234659	-8.29523	1.08E-16	1.56E-15	366.9925	296.6972	326.9937	60.26743	96.25998	96.47803
9404	LOC103230	21.57639	-										



1093	LOC10324	796.9798	-1.95374	0.185415	-10.5371	5.83E-26	1.42E-24	1112.903	1623.623	1068.643	316.962	290.9191	368.8275
445	NGF	1182.775	-1.95976	0.129295	-15.1573	6.78E-52	4.05E-50	1747.144	2077.428	1824.208	435.2648	509.1083	503.4947
21257	LOC11962	1.315854	-1.96002	2.330236	-0.84113	0.400278	0.500606	2.168345	0.547412	4.174388	0	0	1.004979
127	IARS1	32025.6	-1.96011	0.084531	-23.188	6.01E-119	1.26E-116	51738.35	51786.8	49352.4	12566.87	12764.07	13945.1
21097	LOC11962	1.307322	-1.96084	2.26538	-0.86557	0.386727	0.487327	2.710432	2.737059	1.391463	0	0	1.004979
3816	KCNN1	78.63227	-1.96513	0.355468	-5.5283	3.23E-08	2.25E-07	133.8953	94.15483	148.1908	35.71403	25.66933	34.1693
3970	LOC10322	72.02884	-1.96815	0.364538	-5.39903	6.70E-08	4.49E-07	108.4173	117.6935	114.7957	37.94616	34.22577	19.09461
1018	L1CAM	387.4379	-1.96858	0.180412	-10.9116	1.01E-27	2.65E-26	601.1738	625.1443	621.2881	138.3919	198.9373	139.6921
270	ANKRD40	3768.822	-1.9731	0.109682	-17.9893	2.36E-72	2.33E-70	5755.331	6710.721	5562.372	1477.668	1488.821	1618.017
4658	MATN2	50.45394	-1.97329	0.40157	-4.91393	8.93E-07	5.09E-06	76.43418	85.39624	79.31338	20.08914	21.39111	20.09959
19212	TRNAE-CU	3.195441	-1.97756	1.717348	-1.15152	0.249519	0.345278	8.131296	3.284471	3.478657	0	4.278221	0
1047	AZIN2	403.9849	-1.97825	0.183269	-10.7942	3.67E-27	9.31E-26	694.9547	581.8988	661.6405	127.2312	173.268	184.9162
1435	PCDH815	269.3884	-1.97825	0.20994	-9.42295	4.39E-21	8.13E-20	379.4605	501.9766	404.9157	113.8385	117.6511	98.48799
8664	LOC10322	21.51225	-1.98031	0.616314	-3.21315	0.001313	0.004028	30.35684	39.96106	32.00364	11.16063	8.556443	7.034856
11774	LOC10322	12.0466	-1.98152	0.807498	-2.4539	0.014132	0.031908	17.34676	19.15941	20.87194	4.464254	6.417332	4.019918
5215	LOC11962	89.24393	-1.98295	0.433692	-4.57225	4.83E-06	2.46E-05	194.0669	67.87906	166.2798	44.64254	21.39111	41.20416
942	LOC11962	386.0274	-1.98432	0.176279	-11.2567	2.15E-29	6.06E-28	584.9112	693.0234	569.1083	169.6417	149.7377	149.7419
801	LOC10321	417.9612	-1.98453	0.164337	-12.076	1.41E-33	4.69E-32	681.9447	695.7604	620.5924	171.8738	181.8244	155.7718
19984	LOC10324	2.118448	-1.98495	1.923402	-1.032	0.302072	0.401851	4.336691	2.189647	4.174388	0	0	2.009959
4083	LOC11962	61.07535	-1.98652	0.374158	-5.30929	1.10E-07	7.17E-07	107.8752	87.58589	98.09812	20.08914	25.66933	27.13445
10240	EFHD1	16.98977	-1.98842	0.708774	-2.80543	0.005025	0.013046	24.93597	31.74989	23.65487	11.16063	6.417332	4.019918
20949	TMEM74B	1.333817	-1.99052	2.248963	-0.88508	0.376112	0.477299	1.626259	3.284471	2.087194	0	0	1.004979
28233	LOC11961	0.618909	-1.99196	3.683863	-0.54073	0.588697	NA	1.626259	0	2.087194	0	0	0
5205	DSC2	50.75814	-1.99588	0.436204	-4.57556	4.75E-06	2.43E-05	68.30288	94.15483	78.61764	29.01765	21.39111	13.06473
20618	LOC11961	1.610524	-1.99763	2.139308	-0.93377	0.350421	0.451835	3.794605	1.642235	2.087194	0	2.139111	0
331	TIAM1	1924.265	-2.00265	0.119711	-16.729	8.05E-63	6.47E-61	2963.044	3270.238	3014.604	792.4051	663.1243	842.1728
523	PLCB1	1420.47	-2.00285	0.139606	-14.3465	1.12E-46	5.69E-45	2097.332	2681.223	2039.884	604.9064	549.7514	549.7238
494	LOC11962	2077.374	-2.00337	0.136268	-14.7016	6.29E-49	3.39E-47	3580.48	2838.33	3566.319	801.3336	740.1323	937.6458
8140	LOC10322	24.77065	-2.0047	0.595358	-3.36721	0.000759	0.00248	50.95612	38.86624	29.22072	6.696381	12.83466	10.04979
417	LOC11962	950.2084	-2.00483	0.129569	-15.473	5.28E-54	3.36E-52	1518.384	1631.287	1409.552	388.3901	397.8746	355.7627
2371	RFLNB	134.1913	-2.00686	0.274502	-7.31093	2.65E-13	2.97E-12	211.4137	223.344	205.9365	55.80317	68.45154	40.19918
543	KBTBD8	613.1941	-2.00734	0.141674	-14.1687	1.43E-45	7.01E-44	999.6073	921.2941	1027.595	238.8376	239.5804	252.2498
7544	MAOA	26.17219	-2.01103	0.56721	-3.54547	0.000392	0.001381	34.69353	41.6033	48.7012	11.16063	12.83466	8.039836
6080	IL17F	43.18083	-2.01244	0.487131	-4.13121	3.61E-05	0.000158	82.93921	50.9093	71.66033	17.85702	25.66933	10.04979
21291	LOC11962	1.644878	-2.0133	2.409181	-0.83568	0.403336	0.503626	2.710432	4.926706	0	2.232127	0	0
173	POGLUT3	6096.645	-2.01527	0.095329	-21.1403	3.39E-99	5.21E-97	9601.434	10597.35	9128.691	2390.608	2408.639	2453.155
1227	MAP1LC3A	528.2863	-2.01549	0.20008	-10.0734	7.24E-24	1.57E-22	982.8026	618.0279	942.716	203.1236	198.9373	224.1104
603	LHX1	765.6387	-2.01568	0.148491	-13.5744	5.68E-42	2.50E-40	1156.812	1392.068	1131.955	285.7123	335.8404	291.444
1291	EPOP	250.1509	-2.01631	0.204058	-9.88109	5.03E-23	1.04E-21	401.686	391.3994	415.3516	87.05295	89.84265	115.5726
4331	LOC10321	69.01781	-2.01681	0.39307	-5.13092	2.88E-07	1.77E-06	104.0806	105.1031	119.6658	44.64254	23.53022	17.08465
296	LOC10323	3735.019	-2.01726	0.11491	-17.555	5.44E-69	4.89E-67	6321.269	5200.96	6454.3	1410.704	1463.152	1559.728
4102	CHRD	72.45416	-2.02274	0.382024	-5.29481	1.19E-07	7.72E-07	112.2119	102.366	130.7975	40.17829	32.08666	17.08465
393	SEMA6A	5750.593	-2.0269	0.128203	-15.8101	2.65E-56	1.79E-54	8264.107	10984.37	8463.572	2156.235	2169.058	2466.22
434	TSP0AP1	1088.042	-2.02738	0.132762	-15.2708	1.20E-52	7.33E-51	1767.202	1701.903	1769.941	377.2295	506.9692	405.0067
220	LOC10323	4481.086	-2.02849	0.104357	-19.438	3.68E-84	4.45E-82	7079.106	7869.045	6650.496	1651.774	1798.992	1837.102
132	WARS1	11947.55	-2.02864	0.088082	-23.0313	2.27E-117	4.56E-115	19301.53	19667.41	18617.08	4584.789	4483.576	5030.927
666	ZNF711	1082.748	-2.0288	0.155885	-13.0147	1.01E-38	4.03E-37	1568.256	2122.863	1529.218	412.9435	414.9875	448.2208
436	PSPH	9158.718	-2.03125	0.133188	-15.251	1.62E-52	9.89E-51	15591.49	11631.95	16927.14	3743.277	3486.75	3571.697
7404	SPAG6	31.9244	-2.0326	0.564784	-3.59889	0.00032	0.001147	56.37698	41.6033	53.57132	17.85702	17.11289	5.024897
1191	SCML2	249.2387	-2.0357	0.20016	-10.1704	2.69E-24	6.00E-23	366.9925	429.1709	406.3071	98.21359	96.25998	98.48799
2028	LOC10324	150.5981	-2.03647	0.257279	-7.91542	2.46E-15	3.23E-14	214.1241	273.7059	237.9401	69.19594	51.33866	57.28383
15034	TRNAT-CG	7.467233	-2.04043	1.116828	-1.82699	0.067701	0.11971	20.0572	3.831883	12.52316	2.232127	2.139111	4.019918
6062	RIC3	39.47236	-2.04239	0.49329	-4.14035	3.47E-05	0.000152	58.54533	75.54283	54.26705	22.32127	17.11289	9.044815
3001	ITGA8	97.60645	-2.04391	0.318472	-6.41788	1.38E-10	1.22E-09	169.1309	159.8442	139.1463	40.17829	49.19955	28.13943
4312	LOC11962	51.97919	-2.04701	0.397734	-5.1467	2.65E-07	1.63E-06	82.39713	84.84883	84.1835	20.08914	19.252	21.10457
1074	SLC05A1	262.8941	-2.05018	0.192842	-10.6314	2.13E-26	5.27E-25	435.2954	431.9079	402.1327	100.4457	109.0946	98.48799
141	YARS1	5913.893	-2.05063	0.090529	-22.6516	1.35E-113	2.54E-111	9744.545	9585.181	9264.359	2218.734	2220.397	2450.14
1186	LOC10324	331.1197	-2.05082	0.201138	-10.1961	2.06E-24	4.63E-23	596.8371	546.317	452.9211	154.0168	124.0684	112.5577
20688	TRNAI-AAI	2.166112	-2.05088	2.220873	-0.92346	0.355769	0.45716	5.420864	0	5.565851	0	0	2.009959
26960	LOC10322	0.646292	-2.05122	3.638752	-0.56372	0.572947	NA	0	1.094824	2.782925	0	0	0
6633	FOXE1	29.9169	-2.05222	0.527971	-3.88701	0.000101	0.000407	45.53526	56.38342	42.43961	13.39276	10.69555	11.05477
389	HSD17B2	2248.209	-2.05245	0.12952	-15.8466	1.48E-56	1.01E-54	3872.665	3298.156	3701.291	975.4395	725.1585	916.5413
2175	MCIDAS	124.552	-2.05304	0.268137	-7.65669	1.91E-14	2.33E-13	204.3666	212.9432	184.3688	51.33892	47.06043	47.23404
416	PAPSS2	1649.515	-2.05342	0.132653	-15.4797	4.76E-54	3.04E-52	2878.479	2660.421	2448.279	571.4245	596.8119	741.6748
7293	SP8	32.2375	-2.0546	0.564966	-3.63669	0.000276	0.001007	48.24569	47.62483	57.7457	13.39276	21.39111	5.024897
2822	ADGRB3	137.4171	-2.05719	0.308961	-6.6584	2.77E-11	2.61E-10	219.545	234.8397	205.2408	53.57105	79.14709	32.15934
4464	RAB42	54.62591	-2.0576	0.408782	-5.03348	4.82E-07	2.87E-06	92.69677	82.65918	90.44508	11.16063	25.66933	25.12449
18757	VAX2	3.134445	-2.05938	1.68272	-1.22384	0.221013	0.313252	2.710432	8.211177	4.87012	0	0	3.014938
18647	LOC11962	4.062069	-2.0597	1.669663	-1.2336	0.217352	0.309878	8.673382	0.547412	11.1317	0	0	4.019918
816	SLC27A2	456.9313	-2.06022	0.172101	-11.971	5.04E-33	1.64E-31	743.2004	815.6436	653.9875	191.9629	151.8769	184.9162
2188	STC2	197.7757	-2.06154	0.270231	-7.6288	2.37E-14	2.88E-13	320.373	330.0893	299.8602	95.98146	94.12087	46.22906
15811	DDIT4L	4.747066	-2.06239	1.213795	-1.69912	0.089296	0.150145	12.46799	4.926706	9.044508	2.232127	2.1	



21499	LOC119621	1.393232	-2.06881	2.575644	-0.80322	0.421847	0.521643	5.96295	0	1.391463	0	0	1.004979
20644	LOC119621	1.396782	-2.06981	2.228043	-0.92898	0.352898	0.454468	3.794605	2.189647	1.391463	0	0	1.004979
319	KCTD15	1144.937	-2.07531	0.122521	-16.9384	2.34E-64	1.95E-62	1958.558	1848.062	1751.852	417.4077	421.4048	472.3404
12898	LOC103221	9.927616	-2.07785	0.936305	-2.21921	0.026473	0.054561	10.29964	22.9913	14.61036	2.232127	6.417332	3.014938
2750	HMCN1	95.85197	-2.07917	0.30683	-6.77628	1.23E-11	1.19E-10	152.3263	163.1287	147.4951	44.64254	36.36488	31.15436
1456	NKAIN1	226.4251	-2.08489	0.22292	-9.35264	8.55E-21	1.56E-19	342.5986	429.7183	327.6895	78.12444	91.98176	88.43819
637	EAF2	544.0829	-2.08494	0.157599	-13.2294	5.94E-40	2.48E-38	931.8465	777.3248	932.9758	216.5163	196.7982	209.0357
18749	LOC119618	2.767196	-2.08885	1.705787	-1.22457	0.220738	0.312994	2.168345	7.116354	4.174388	0	2.139111	1.004979
16396	LOC119621	4.945605	-2.09005	1.31541	-1.5889	0.112083	0.181735	4.878777	12.59047	6.957314	2.232127	0	3.014938
1044	MYO3A	364.7755	-2.09458	0.193805	-10.8077	3.17E-27	8.06E-26	567.5644	687.5492	516.2327	127.2312	160.4333	129.6424
28202	LOC119619	0.660704	-2.09459	3.148024	-0.66537	0.505815	NA	1.626259	1.642235	0.695731	0	0	0
929	NAT8L	521.3923	-2.09462	0.184665	-11.3428	8.05E-30	2.30E-28	894.9846	682.6225	957.3264	225.4448	168.9897	198.9859
9936	LOC103216	16.79508	-2.09612	0.728431	-2.87758	0.004007	0.010722	24.39389	33.39212	23.65487	11.16063	2.139111	6.029877
27651	TRNAR-UC	0.661592	-2.09638	3.156817	-0.66408	0.506639	NA	1.084173	2.189647	0.695731	0	0	0
27907	LOC103215	0.662479	-2.09809	3.197424	-0.65618	0.511708	NA	0.542086	2.737059	0.695731	0	0	0
2486	MAP7D2	131.7778	-2.09816	0.293453	-7.14988	8.69E-13	9.29E-12	206.5349	228.8181	201.7621	44.64254	72.72976	36.17926
20702	LOC119624	1.434472	-2.10024	2.280752	-0.92085	0.357127	0.458613	0.542086	2.189647	4.87012	0	0	1.004979
2864	AXIN2	91.63657	-2.1037	0.319145	-6.59167	4.35E-11	4.04E-10	131.727	162.0339	150.278	42.41041	34.22577	29.1444
4565	LOC119621	49.00738	-2.10737	0.424579	-4.96343	6.93E-07	4.03E-06	72.63957	88.1333	76.53045	24.5534	17.11289	15.07469
5243	LOC103241	91.36156	-2.1096	0.462896	-4.55739	5.18E-06	2.63E-05	226.5921	62.95236	157.931	26.78552	25.66933	48.23901
18604	LOC119620	2.825038	-2.11295	1.710659	-1.23517	0.216767	0.309759	6.505036	1.642235	5.565851	2.232127	0	1.004979
8463	GLS2	24.85474	-2.11879	0.649004	-3.26468	0.001096	0.003443	48.24569	41.05589	31.30791	2.232127	19.252	7.034856
7158	KIAA0040	27.06141	-2.11944	0.576288	-3.67774	0.000235	0.000874	37.40396	55.28859	38.96096	6.696381	14.97377	9.044815
4502	ITGA11	56.59921	-2.11987	0.423086	-5.01049	5.43E-07	3.21E-06	91.07051	88.1333	93.92374	22.32127	32.08666	12.05975
7449	ANKRD1	30.10568	-2.12002	0.591802	-3.58231	0.000341	0.001215	40.65648	72.25836	33.39511	17.85702	6.417332	10.04979
9143	FAM241A	18.08115	-2.12179	0.691622	-3.06784	0.002156	0.006269	20.0572	35.58177	32.69937	6.696381	6.417332	7.034856
433	EPB41L2	9958.402	-2.1219	0.138672	-15.3016	7.47E-53	4.58E-51	14022.15	20301.31	14265.28	3653.992	3719.913	3787.768
18331	LOC103241	2.855084	-2.13019	1.666516	-1.27823	0.201168	0.29175	3.252518	4.379295	6.261582	2.232127	0	1.004979
4638	LOC119621	58.92634	-2.13436	0.433423	-4.92442	8.46E-07	4.85E-06	107.8752	60.76271	120.3615	22.32127	17.11289	25.12449
9157	LOC103231	18.04024	-2.14052	0.69856	-3.06418	0.002183	0.006337	29.81475	31.20247	28.52499	2.232127	6.417332	10.04979
19323	LOC103221	2.319769	-2.14215	1.893351	-1.13141	0.257884	0.354808	3.252518	6.568942	2.087194	0	0	2.009959
27925	LOC119621	0.685424	-2.14347	3.083967	-0.69504	0.487032	NA	1.626259	1.094824	1.391463	0	0	0
12395	LOC119621	11.22823	-2.14426	0.923428	-2.32206	0.020229	0.043389	24.39389	9.306001	22.2634	2.232127	2.139111	7.034856
20189	FAM183A	1.74178	-2.14633	2.148987	-0.99876	0.31791	0.418626	4.878777	2.737059	0.695731	0	2.139111	0
3790	PCDHB10	67.168	-2.15295	0.387574	-5.55495	2.78E-08	1.95E-07	103.5385	139.0426	86.27069	20.08914	29.94755	24.11951
17769	LOC103221	3.498507	-2.15373	1.565618	-1.37564	0.168932	0.252436	4.336691	6.02153	6.261582	2.232127	2.139111	0
2885	TMEM92	80.28993	-2.1606	0.328895	-6.56927	5.06E-11	4.66E-10	123.5957	135.7581	134.2762	29.01765	29.94755	29.1444
17267	LOC103221	4.038462	-2.16262	1.48518	-1.45613	0.145356	0.223783	10.84173	2.189647	6.957314	2.232127	0	2.009959
2239	BMPER	112.9255	-2.16727	0.287741	-7.53203	5.00E-14	5.93E-13	191.8986	174.6244	185.0645	46.87467	44.92132	34.1693
4849	NT5C	46.284	-2.1703	0.453829	-4.78219	1.73E-06	9.51E-06	86.73382	64.59459	73.74753	22.32127	19.252	11.05477
1695	LOC119621	170.1346	-2.17064	0.24828	-8.74271	2.28E-18	3.57E-17	300.3158	268.2318	262.9865	78.12444	59.8951	51.25395
2018	BATF3	167.3369	-2.1707	0.273363	-7.94073	2.01E-15	2.65E-14	310.6155	201.995	310.2962	58.0353	57.75599	65.32367
18171	LOC103231	3.637609	-2.17168	1.660156	-1.30812	0.190833	0.279197	4.336691	3.284471	9.740239	4.464254	0	0
226	DDIT4	8744.817	-2.17197	0.11349	-19.1379	1.22E-81	1.44E-79	15618.59	12174.44	15151.64	3066.942	3150.91	3306.382
8277	LOC119621	20.77829	-2.17246	0.654178	-3.32089	0.000897	0.002882	37.40396	31.20247	34.09084	2.232127	10.69555	9.044815
873	ABCA5	334.8836	-2.17683	0.186585	-11.6667	1.89E-31	5.74E-30	554.0123	603.7952	489.0992	113.8385	121.9293	126.6274
14103	TRNAR-CC1	7.480752	-2.17785	1.092469	-1.99351	0.046206	0.087101	12.46799	9.853413	15.30609	2.232127	0	5.024897
185	AKNA	2305.038	-2.17857	0.10523	-20.7029	3.26E-95	4.69E-93	3745.275	3841.189	3747.905	747.7625	872.7572	875.3371
365	MRC2	1537.375	-2.18483	0.134774	-16.2111	4.21E-59	3.07E-57	2685.496	2155.16	2725.876	555.7996	506.9692	594.9478
1280	HBA	227.1326	-2.18557	0.220653	-9.90504	3.96E-23	8.22E-22	364.282	357.4599	400.0455	80.35657	64.17332	96.47803
2842	LOC119618	91.53124	-2.18723	0.330255	-6.62287	3.52E-11	3.30E-10	159.3734	170.2451	119.6658	31.24978	38.50399	30.14938
12392	LOC119615	9.417105	-2.18913	0.942459	-2.32279	0.020191	0.043317	16.80468	16.42235	12.52316	4.464254	4.278221	2.009959
15019	OPRD1	6.467366	-2.18938	1.196407	-1.82996	0.067256	0.119049	10.84173	11.49565	9.044508	0	6.417332	1.004979
27314	TRNAA-CG	0.709257	-2.19002	3.497512	-0.62616	0.531207	NA	2.168345	0	2.087194	0	0	0
26592	TRNAN-GL	0.710144	-2.1908	3.078187	-0.71172	0.476639	NA	1.626259	0.547412	2.087194	0	0	0
2815	LOC103218	83.20042	-2.19348	0.328803	-6.6711	2.54E-11	2.40E-10	128.4745	134.6633	145.4079	35.71403	27.80844	27.13445
234	TMEM190	1113.415	-2.19434	0.11594	-18.9265	6.90E-80	7.84E-78	1823.036	1875.433	1785.247	390.6222	402.1528	404.0017
267	ANKRD50	5183.835	-2.20397	0.122198	-18.036	1.02E-72	1.01E-70	7935.06	9824.4	7805.41	1801.326	1702.732	2034.078
4274	TBC1D30	73.87452	-2.20931	0.426859	-5.17575	2.27E-07	1.41E-06	111.1277	137.9478	111.317	29.01765	42.78221	11.05477
1420	CUNH3orf1	183.7298	-2.21119	0.233657	-9.4634	2.98E-21	5.58E-20	306.2788	295.6024	301.2517	66.96381	77.00798	55.27387
912	SLC25A43	294.9984	-2.21836	0.194354	-11.414	3.56E-30	1.04E-28	464.568	535.3688	459.8784	98.21359	98.39909	113.5627
3782	B3GAT1	53.89239	-2.2246	0.399957	-5.56209	2.67E-08	1.87E-07	91.6126	88.1333	86.27069	17.85702	21.39111	18.08963
2856	CSKMT	2846.908	-2.22461	0.336894	-6.6033	4.02E-11	3.74E-10	6000.354	2833.404	5239.553	982.1359	815.0012	1211
10179	LOC103215	14.92269	-2.22635	0.789582	-2.81965	0.004808	0.012556	20.59928	35.03436	18.08902	2.232127	8.556443	5.024897
337	RBP1	700.6588	-2.22749	0.134008	-16.622	4.83E-62	3.81E-60	1141.092	1158.323	1162.567	258.9267	243.8586	239.1851
9081	LOC119621	17.40047	-2.22881	0.721484	-3.08921	0.002007	0.005875	35.7777	18.612	32.00364	6.696381	4.278221	7.034856
845	COLCA2	431.3264	-2.23276	0.189258	-11.7975	4.02E-32	1.27E-30	642.3723	815.0962	681.8167	154.0168	119.7902	174.8664
3575	RNF144B	57.75426	-2.23316	0.386409	-5.77925	7.50E-09	5.58E-08	94.86511	97.98671	93.228	20.08914	19.252	21.10457
21966	LOC103241	0.736639	-2.24004	3.054282	-0.73341	0.463308	0.560733	0.542086	1.094824	2.782925	0	0	0
10925	PTGDR2	17.03237	-2.24006	0.846464	-2.64638	0.008136	0.019798	30.35684	28.46541	23.65487	11.16063	8.556443	0
768	THRB	395.8585	-2.24263	0.181817	-12.3346	5.90E-35	2.04E-33	618.5205	738.4585	606.6778	118.3027	145.4595	147.732
7476	KL	52.2926	-2.24704	0.629285	-3.57078	0.000356	0.001266	69.38706	89.22813	97.40239	26.78552	29.94755	1.004979
258	HS3ST3A1	17											



594	LOC103226	548.1696	-2.25639	0.165208	-13.6579	1.81E-42	8.11E-41	994.1864	832.066	894.0148	158.481	220.3284	189.9411
14719	SH3GL2	6.142297	-2.25989	1.198624	-1.88541	0.059375	0.107241	5.96295	7.116354	17.39328	2.232127	2.139111	2.009959
1102	GLI1	217.0194	-2.26137	0.215009	-10.5175	7.17E-26	1.73E-24	350.7299	383.7357	343.6913	78.12444	68.45154	77.38342
3715	ERICH2	70.42482	-2.26208	0.401718	-5.63102	1.79E-08	1.28E-07	87.81799	153.2753	106.4469	31.24978	25.66933	18.08963
1014	SLC40A1	235.9373	-2.26227	0.207032	-10.9271	8.55E-28	2.24E-26	413.0698	372.7874	384.0437	87.05295	81.28621	77.38342
4279	TEAD2	56.483	-2.26306	0.43782	-5.16892	2.35E-07	1.46E-06	95.94929	105.6505	75.83472	29.01765	21.39111	11.05477
2790	IGSF23	86.95879	-2.26599	0.337382	-6.7164	1.86E-11	1.77E-10	157.7471	156.5598	118.2743	33.4819	23.53022	32.15934
269	ENPP1	1962.371	-2.26624	0.125797	-18.015	1.49E-72	1.47E-70	3110.492	3724.043	2915.114	651.7811	682.3763	690.4209
1009	SLCO4C1	320.7328	-2.26797	0.20702	-10.9553	6.26E-28	1.65E-26	467.2785	642.1141	483.5333	113.8385	109.0946	108.5378
3940	HPCA	59.34204	-2.27148	0.419629	-5.41307	6.20E-08	4.18E-07	93.78094	122.0728	77.22618	20.08914	27.80844	15.07469
4347	LOC103236	44.93803	-2.27315	0.443861	-5.1213	3.03E-07	1.86E-06	68.84497	81.01695	73.05179	13.39276	19.252	14.06971
857	GRIP1	334.6583	-2.27545	0.193844	-11.7385	8.09E-32	2.51E-30	536.6655	578.0669	542.6705	136.1597	121.9293	92.45811
6972	LOC103240	25.74714	-2.27611	0.607512	-3.74662	0.000179	0.000683	52.04029	30.65506	46.614	6.696381	6.417332	12.05975
16751	LOC103241	4.3207	-2.27726	1.485725	-1.53276	0.125335	0.198916	10.29964	1.642235	9.740239	2.232127	0	2.009959
3306	LOC103214	70.48378	-2.27762	0.377444	-6.03434	1.60E-09	1.28E-08	129.5586	116.0513	107.8384	22.32127	14.97377	32.15934
209	VEGFA	11404.75	-2.27988	0.114583	-19.8971	4.31E-88	5.48E-86	17282.26	21961.07	17505.99	3859.348	3713.496	4106.346
2495	LOC103246	113.1135	-2.28172	0.319486	-7.14185	9.21E-13	9.81E-12	226.5921	139.0426	197.5877	33.4819	42.78221	39.1942
3417	LYPD6	62.01018	-2.2824	0.384881	-5.93014	3.03E-09	2.35E-08	98.11763	101.8186	107.1426	20.08914	27.80844	17.08465
199	LTBP1	1732.985	-2.28625	0.112588	-20.3063	1.13E-91	1.51E-89	2783.071	3059.485	2793.361	571.4245	560.447	630.1221
3211	GABRQ	113.9783	-2.28673	0.371742	-6.15139	7.68E-10	6.36E-09	182.6831	203.6372	176.02	42.41041	62.03421	17.08465
705	NSUN7	400.7778	-2.28689	0.178895	-12.7834	2.03E-37	7.65E-36	614.7259	753.7861	628.9412	136.1597	128.3466	142.7071
2146	CUNH11or	126.3465	-2.2998	0.299029	-7.69089	1.46E-14	1.81E-13	190.8144	238.6716	197.5877	37.94616	59.8951	33.16432
194	CCN1	2847.594	-2.3005	0.112446	-20.4586	5.03E-93	6.90E-91	4425.593	5287.451	4485.38	1002.225	958.3216	926.5911
13470	LOC119627	7.48112	-2.30186	1.089368	-2.11302	0.034599	0.068286	11.38381	19.15941	6.957314	2.232127	2.139111	3.014938
2990	KCNH1	72.24623	-2.30276	0.357603	-6.43942	1.20E-10	1.07E-09	120.8853	121.5254	116.1871	31.24978	23.53022	20.09959
2989	WNK3	115.1138	-2.30391	0.357718	-6.44057	1.19E-10	1.06E-09	168.0468	211.301	189.9347	42.41041	59.8951	19.09461
9288	LOC119626	18.02282	-2.31415	0.762628	-3.03445	0.00241	0.006896	33.60935	23.53871	31.30791	13.39276	4.278221	2.009959
1832	FGD3	133.1372	-2.31605	0.276887	-8.3646	6.03E-17	8.75E-16	232.013	199.8053	230.2871	51.33892	49.19955	36.17926
3176	LOC103226	66.44823	-2.31873	0.374605	-6.18979	6.02E-10	5.04E-09	125.222	95.79707	110.6213	24.5534	21.39111	21.10457
1594	FAM160A1	172.814	-2.32132	0.25802	-8.99666	2.33E-19	3.88E-18	297.6054	323.5204	240.0273	58.0353	68.45154	49.24399
21716	LOC119619	0.774884	-2.32157	2.992928	-0.77569	0.437934	0.536124	2.710432	0.547412	1.391463	0	0	0
7788	LOC103226	21.04363	-2.32432	0.67007	-3.46877	0.000523	0.001785	41.19856	24.63353	38.96096	11.16063	4.278221	6.029877
345	PAK3	1375.503	-2.32603	0.14102	-16.4943	4.03E-61	3.11E-59	2082.696	2696.003	2101.109	435.2648	487.7172	450.2308
17229	LOC103228	3.915421	-2.33042	1.592786	-1.46311	0.143437	0.221329	7.589209	6.568942	4.87012	4.464254	0	0
2613	CD160	95.56096	-2.33157	0.335104	-6.95773	3.46E-12	3.52E-11	164.2522	139.59	171.1499	33.4819	42.78221	22.10955
3415	IGFBP5	79.29179	-2.33521	0.393604	-5.93289	2.98E-09	2.32E-08	119.259	148.3486	125.2316	33.4819	36.36488	13.06473
19696	LOC119627	1.643106	-2.33528	2.180458	-1.071	0.284169	0.383568	5.420864	2.737059	0.695731	0	0	1.004979
20106	TRNAG-GC	1.955727	-2.33613	2.309149	-1.01168	0.311689	0.412128	5.420864	0	4.174388	0	2.139111	0
2454	LOC103226	155.4855	-2.33855	0.325088	-7.19361	6.31E-13	6.84E-12	252.6122	268.7792	251.8548	49.10679	83.42532	27.13445
17637	LOC119627	3.196534	-2.33969	1.670691	-1.40043	0.161384	0.243261	8.131296	1.642235	6.261582	0	2.139111	1.004979
3493	ZBTB8B	63.38127	-2.3407	0.39922	-5.86317	4.54E-09	3.46E-08	125.764	94.15483	96.70666	15.62489	29.94755	18.08963
8182	PMP22	28.49187	-2.3496	0.701049	-3.35155	0.000804	0.002611	43.36691	55.83601	41.74388	4.464254	23.53022	2.009959
251	TRIQQ	955.1758	-2.35298	0.127601	-18.4402	6.26E-76	6.63E-74	1523.805	1687.671	1584.876	294.6408	314.4493	325.6133
3901	PPM1E	60.43914	-2.35996	0.433675	-5.44177	5.28E-08	3.60E-07	92.69677	115.5039	91.83654	29.01765	23.53022	10.04979
131	AP152	2483.568	-2.35997	0.102292	-23.0709	9.08E-118	1.84E-115	4004.392	4405.023	4058.201	837.0476	812.8621	783.884
1898	HECW2	155.5222	-2.36337	0.288227	-8.19967	2.41E-16	3.38E-15	246.1072	297.792	233.7657	42.41041	74.86887	38.18922
21510	LOC119627	0.800492	-2.36506	2.948452	-0.80214	0.422473	0.52215	2.168345	0.547412	2.087194	0	0	0
381	MEDAG	783.9763	-2.36575	0.147399	-16.05	5.72E-58	3.99E-56	1314.559	1403.016	1227.27	267.8552	211.772	279.3843
2676	ZNF532	115.9594	-2.36583	0.344706	-6.86333	6.73E-12	6.68E-11	175.0939	216.7751	185.7603	42.41041	55.61688	20.09959
21422	LOC119624	0.802267	-2.36801	2.90717	-0.81454	0.415336	0.515413	1.084173	1.642235	2.087194	0	0	0
266	LIMCH1	8645.284	-2.37036	0.131418	-18.0368	1.00E-72	1.00E-70	13052.9	17701.11	12714.49	2709.802	2782.983	2910.421
1824	GALNT13	144.4298	-2.37047	0.282732	-8.38415	5.11E-17	7.45E-16	232.5551	273.7059	215.6767	60.26743	49.19955	35.17428
4472	TRHDE	59.00586	-2.37075	0.471517	-5.02793	4.96E-07	2.95E-06	86.73382	136.853	70.26887	22.32127	27.80844	10.04979
643	PCOLCE	387.2635	-2.37167	0.179699	-13.198	9.01E-40	3.72E-38	658.6349	649.2304	646.3344	107.1421	115.512	146.727
181	MSRB3	2561.055	-2.37602	0.114106	-20.823	2.68E-96	3.94E-94	4098.173	4627.819	4147.95	904.0114	840.6705	747.7047
1515	CPNE4	263.3377	-2.37687	0.258401	-9.19839	3.63E-20	3.68E-19	374.5817	535.3688	409.09	120.5349	79.14709	61.30375
1938	GABPB2	152.4705	-2.38009	0.293051	-8.12176	4.59E-16	6.30E-15	254.7806	270.9688	237.9401	37.94616	77.00798	36.17926
10371	LOC119627	11.82955	-2.38307	0.859999	-2.77101	0.005588	0.014325	16.80468	18.06459	24.3506	4.464254	4.278221	3.014938
5043	ELMOD1	35.43213	-2.38373	0.510953	-4.66527	3.08E-06	1.62E-05	68.30288	56.93083	52.17985	11.16063	14.97377	9.044815
4771	CFAP58	37.47764	-2.38817	0.494425	-4.8302	1.36E-06	7.60E-06	57.46116	74.99542	56.35424	11.16063	12.83466	12.05975
589	KLF4	429.5746	-2.39153	0.174373	-13.715	8.26E-43	3.73E-41	711.2173	731.8896	729.1265	116.0706	128.3466	160.7967
1605	LOC103246	160.9195	-2.39384	0.267025	-8.96488	3.11E-19	5.15E-18	305.7367	229.3656	277.5968	58.0353	38.50399	56.27885
121	NUAK1	4589.072	-2.39514	0.102	-23.4816	6.29E-122	1.38E-119	7776.229	8109.359	7259.261	1475.436	1343.361	1570.783
2643	PKHD1L1	111.773	-2.40046	0.347236	-6.91305	4.74E-12	4.77E-11	189.1881	205.8268	164.1926	35.71403	55.61688	20.09959
16942	LOC119627	3.321235	-2.40276	1.601164	-1.50063	0.133451	0.209408	7.589209	4.926706	4.174388	2.232127	0	1.004979
3976	TRNAA-UG	64.31872	-2.40389	0.445908	-5.391	7.01E-08	4.68E-07	107.8752	71.71095	147.4951	17.85702	12.83466	28.13943
99	LOC103247	9061.588	-2.4061	0.098941	-24.3185	1.25E-130	3.36E-128	15240.22	15918.19	14595.75	2738.82	2703.836	3172.72
120	CTPS1	11152.75	-2.4084	0.102408	-23.5177	2.69E-122	5.95E-120	18119.24	20713.52	17485.82	3466.493	3347.708	3783.748
13462	LOC119627	6.651687	-2.40869	1.138743	-2.11522	0.034411	0.067956	15.17842	9.306001	9.044508	2.232127	2.139111	2.009959
690	GPR63	431.3955	-2.41138	0.187323	-12.8729	6.40E-38	2.46E-36	739.9479	805.2428	629.6369	127.2312	164.7115	121.6025
926	ERFE	288.3085	-2.41204	0.212217	-11.3659	6.18E-30	1.77E-28	480.8306	548.5066	427.1791	107.142		



228	ATP11C	2048.017	-2.44223	0.128188	-19.052	6.32E-81	7.37E-79	3326.242	3835.715	3227.498	578.1209	598.951	721.5753
1332	UGT8	195.9089	-2.4429	0.25018	-9.76458	1.60E-22	3.19E-21	298.6896	360.197	329.0809	80.35657	59.8951	47.23404
9422	KCNN2	13.6653	-2.44627	0.814728	-3.00256	0.002677	0.007554	25.47806	18.612	25.04633	6.696381	2.139111	4.019918
13116	TAS2R1	6.825958	-2.45134	1.121869	-2.18505	0.028885	0.058548	9.757555	13.6853	11.1317	2.232127	2.139111	2.009959
18804	LOC119625	2.085754	-2.45546	2.017943	-1.21681	0.223675	0.316231	1.626259	6.568942	2.087194	2.232127	0	0
1358	SLC35G2	208.1997	-2.45814	0.253501	-9.69676	3.11E-22	6.09E-21	377.2921	279.7274	402.1327	49.10679	70.59065	70.34856
77	CAND1	7484.53	-2.46166	0.093607	-26.2979	2.03E-152	6.99E-150	12449.65	12449.79	12622.65	2109.36	2314.518	2464.21
17622	SATL1	2.849218	-2.46238	1.757035	-1.40144	0.161082	0.24309	3.794605	7.116354	4.174388	0	0	2.009959
205	SES2	3407.66	-2.46416	0.123046	-20.0264	3.24E-89	4.20E-87	6178.158	5297.852	5840.665	1111.599	877.0354	1140.652
570	RAPGEF4	428.0268	-2.46672	0.177503	-13.8968	6.63E-44	3.09E-42	723.1432	805.7902	648.4216	122.767	128.3466	139.6921
6170	LOC119625	27.62903	-2.47368	0.604897	-4.08943	4.32E-05	0.000186	61.25576	35.03436	45.22254	8.928508	4.278221	11.05477
1106	HRH4	199.1393	-2.48008	0.236018	-10.508	7.93E-26	1.91E-24	364.282	331.7316	316.5578	49.10679	74.86887	58.28881
395	TRIP6	819.1571	-2.48776	0.157983	-15.747	7.20E-56	4.84E-54	1559.04	1159.418	1452.687	236.6055	260.9715	246.22
5226	LOC103234	30.82947	-2.49325	0.545924	-4.56703	4.95E-06	2.52E-05	54.75072	55.28859	47.30973	11.16063	6.417332	10.04979
461	LRP4	580.2776	-2.4946	0.166723	-14.9626	1.29E-50	7.43E-49	972.5029	1084.97	901.6679	196.4272	141.1813	184.9162
918	ALDH1L2	346.6808	-2.49692	0.218933	-11.4049	3.95E-30	1.14E-28	500.8878	725.8681	542.6705	82.5887	115.512	112.5577
249	PYCR1	4482.513	-2.49703	0.134981	-18.4991	2.10E-76	2.24E-74	8369.814	6270.055	8215.892	1343.74	1202.18	1493.399
4487	LOC119625	53.63434	-2.49762	0.497734	-5.01799	5.22E-07	3.09E-06	75.35001	110.5772	84.1835	17.85702	27.80844	6.029877
16025	LOC119618	4.205101	-2.49846	1.503924	-1.6613	0.096654	0.160346	8.131296	4.379295	8.348776	2.232127	2.139111	0
198	COL12A1	4072.225	-2.50231	0.122913	-20.3584	3.92E-92	5.26E-90	6476.848	7750.804	6551.702	1187.492	1086.668	1379.837
2551	COL1A1	135.9858	-2.504	0.355119	-7.05116	1.77E-12	1.85E-11	230.9288	235.9345	220.5468	55.80317	55.61688	17.08465
1743	CSAR1	138.4738	-2.50742	0.291248	-8.60921	7.36E-18	1.12E-16	215.2083	261.1154	228.1999	31.24978	59.8951	35.17428
204	WASF3	1804.969	-2.5113	0.12536	-20.0328	2.85E-89	3.72E-87	2934.314	3376.436	2910.94	540.1747	477.0217	590.9279
709	KRT2	305.5859	-2.51349	0.197108	-12.7518	3.04E-37	1.14E-35	574.0695	491.0284	493.9693	100.4457	85.56443	88.43819
18981	TRNAS-UG	1.857941	-2.52126	2.122533	-1.18786	0.23489	0.32899	5.420864	0.547412	4.174388	0	0	1.004979
2027	RPL22L1	7837.691	-2.52425	0.318736	-7.91955	2.38E-15	3.13E-14	16588.38	7496.805	15977.47	2337.037	2222.536	2403.911
118	ADGRG6	19574.65	-2.53568	0.107143	-23.6664	8.01E-124	1.80E-121	31757.59	37733.64	30689.41	5439.693	5675.061	6152.484
4034	KRT4	42.30277	-2.53707	0.474607	-5.34563	9.01E-08	5.94E-07	74.26583	66.78424	74.44326	11.16063	17.11289	10.04979
105	ASNS	6356.525	-2.53995	0.105451	-24.0866	3.45E-128	8.74E-126	10756.62	11234.53	10566.77	1816.951	1674.924	2089.352
6603	LOC103241	21.63975	-2.54289	0.651856	-3.90099	9.58E-05	0.000386	32.52518	35.03436	43.13534	6.696381	6.417332	6.029877
3250	LOC103228	105.0193	-2.54633	0.417527	-6.09859	1.07E-09	8.75E-09	152.3263	203.0898	177.4115	40.17829	47.06043	10.04979
1097	BTC	217.2264	-2.54738	0.241865	-10.5322	6.14E-26	1.49E-24	361.0295	360.197	388.9138	49.10679	89.84265	54.26889
5682	RBP4	29.00079	-2.5496	0.588033	-4.33582	1.45E-05	6.79E-05	55.8349	54.19377	38.26523	13.39276	4.278221	8.039836
1601	TMEM45A	134.822	-2.55256	0.284298	-8.97847	2.75E-19	4.56E-18	258.0331	193.7838	239.3316	37.94616	40.6431	39.1942
4294	TRMT9B	57.12879	-2.55311	0.494833	-5.15955	2.48E-07	1.53E-06	106.2489	110.5772	73.74753	8.928508	34.22577	9.044815
979	LOC103218	254.0352	-2.56063	0.230702	-11.0993	1.26E-28	3.43E-27	419.5748	504.7137	379.8693	87.05295	55.61688	77.38342
3282	LRRRC69	53.92914	-2.5647	0.423441	-6.05681	1.39E-09	1.12E-08	95.94929	96.89189	82.79203	15.62489	19.252	13.06473
840	TPD52L1	255.0862	-2.56815	0.217156	-11.8263	2.85E-32	9.03E-31	390.8443	466.9423	454.3126	78.12444	59.8951	80.39836
304	F3	1314.999	-2.56851	0.147904	-17.3661	1.49E-67	1.30E-65	2088.659	2631.956	2028.057	350.4439	432.1004	358.7777
15970	TRNAQ-CU	4.481672	-2.57626	1.541891	-1.67084	0.094752	0.157733	5.420864	6.568942	10.43597	4.464254	0	0
2839	FLI1	86.60124	-2.57642	0.388409	-6.63326	3.28E-11	3.07E-10	143.6529	157.1072	139.842	42.41041	23.53022	13.06473
2436	MYEOV	80.29832	-2.57906	0.35737	-7.21676	5.32E-13	5.81E-12	142.0266	127.547	140.5377	26.78552	27.80844	17.08465
18226	LOC119615	1.928006	-2.57941	1.989442	-1.29655	0.194787	0.284122	3.252518	3.831883	3.478657	0	0	1.004979
14147	RETN	6.781928	-2.58011	1.29907	-1.98612	0.04702	0.08836	13.01007	9.853413	11.1317	6.696381	0	0
4782	MARCHF1C	34.70359	-2.58289	0.53557	-4.82269	1.42E-06	7.87E-06	48.24569	66.23683	62.61582	13.39276	10.69555	7.034856
14497	LOC103230	5.229503	-2.59165	1.345913	-1.92557	0.054158	0.099317	12.46799	4.926706	9.740239	2.232127	0	2.009959
20656	TRNAR-AC	0.931748	-2.59166	2.793334	-0.9278	0.353511	0.454981	3.252518	1.642235	0.695731	0	0	0
21362	LOC119625	0.941167	-2.59595	3.156763	-0.82235	0.41088	0.51134	2.168345	0	3.478657	0	0	0
2514	KISS1	82.13285	-2.59657	0.365544	-7.10331	1.22E-12	1.29E-11	147.4475	122.0728	150.278	31.24978	25.66933	16.07967
20694	LOC119620	0.935298	-2.59672	2.812848	-0.92317	0.355921	0.457219	1.084173	3.831883	0.695731	0	0	0
2249	ZNFS43	103.8324	-2.59847	0.346002	-7.51	5.91E-14	6.99E-13	185.3935	199.2579	149.5822	44.64254	14.97377	29.1444
21346	TRNAW-CC	0.944717	-2.60118	3.153059	-0.82497	0.409389	0.509866	0	2.189647	3.478657	0	0	0
2019	PMFBP1	120.6256	-2.6042	0.328047	-7.93849	2.05E-15	2.69E-14	202.7403	213.4906	200.3706	35.71403	51.33866	20.09959
401	LOC103225	1040.54	-2.60586	0.166207	-15.6784	2.13E-55	1.41E-53	2103.295	1436.956	1826.991	265.6231	288.7799	321.5934
4204	LOC119628	48.56256	-2.61109	0.500716	-5.21472	1.84E-07	1.16E-06	74.80792	91.41777	84.1835	2.232127	25.66933	13.06473
2136	LOC119618	105.454	-2.61359	0.338669	-7.71724	1.19E-14	1.48E-13	212.4979	136.3055	193.4133	29.01765	36.36488	25.12449
8896	INSYN2A	14.26108	-2.61459	0.831273	-3.14529	0.001659	0.004958	19.51511	30.10765	22.95914	6.696381	4.278221	2.009959
988	EHD2	221.8253	-2.6193	0.236949	-11.0543	2.09E-28	5.63E-27	359.9453	418.2226	368.0419	42.41041	77.00798	65.32367
20357	LOC119628	0.958243	-2.62924	2.715766	-0.96814	0.332975	0.434846	2.168345	2.189647	1.391463	0	0	0
2764	LOC103233	69.89164	-2.63123	0.38966	-6.75264	1.45E-11	1.40E-10	110.0435	123.7151	124.5359	22.32127	25.66933	13.06473
2488	KLHDC7B	84.73677	-2.63152	0.368165	-7.14766	8.83E-13	9.43E-12	152.8684	148.3486	132.8847	35.71403	23.53022	15.07469
4209	SLC13A1	39.50523	-2.63677	0.506041	-5.21058	1.88E-07	1.19E-06	76.43418	70.06871	56.35424	11.16063	14.97377	8.039836
6182	CALCB	22.93698	-2.64107	0.646772	-4.08346	4.44E-05	0.000191	40.11439	31.74989	46.614	6.696381	6.417332	6.029877
104	SLC7A5	7687.079	-2.65116	0.109677	-24.1724	4.35E-129	1.11E-126	13458.92	12853.78	13492.32	2020.075	1882.417	2414.966
10155	FBXL21P	13.06153	-2.6515	0.938802	-2.82434	0.004738	0.012402	34.15144	16.42235	16.00182	2.232127	8.556443	1.004979
896	PDE10A	339.843	-2.65213	0.230714	-11.4953	1.39E-30	4.13E-29	602.258	618.0279	531.5388	89.28508	132.6249	65.32367
2897	CLIC6	81.24768	-2.65935	0.40584	-6.5527	5.65E-11	5.19E-10	138.7741	140.6848	137.0591	24.5534	36.36488	10.04979
4382	LOC103233	43.36762	-2.66153	0.522672	-5.09216	3.54E-07	2.15E-06	77.51835	93.06001	52.17985	11.16063	19.252	7.034856
8012	CCDC42	15.44104	-2.66371	0.781504	-3.40844	0.000653	0.002168	26.02015	26.82318	27.13352	2.232127	6.417332	4.019918
59	FGF2	4274.34	-2.66724	0.093809	-28.4326	8.00E-178	3.60E-175	7370.748	7537.313	7259.261	1118.296	1127.311	1233.11
14031	LOC119625	5.478833	-2.67166	1.330943	-2.00734	0.044713	0.084719	7.589209	14.78012	6.261582	2.232127	0	2.009959
3517	TSPYL5	52.37513	-2.67589	0.457876									



2045	ALDH3A1	90.30176	-2.68893	0.340886	-7.88805	3.07E-15	3.99E-14	168.0468	141.2322	157.931	24.5534	29.94755	20.09959
21022	TRNAV-AA	0.99915	-2.69326	3.070337	-0.87719	0.380385	0.481059	2.710432	3.284471	0	0	0	0
119	PYGL	2704.981	-2.69713	0.114387	-23.5791	6.32E-123	1.41E-120	4520.458	5222.856	4316.317	712.0485	748.6887	709.5155
3904	LOC119621	58.65024	-2.69806	0.49586	-5.44116	5.29E-08	3.60E-07	110.0435	95.24966	96.01093	15.62489	29.94755	5.024897
13487	DAW1	7.087723	-2.69952	1.279785	-2.10935	0.034914	0.068822	10.29964	12.59047	13.2189	0	6.417332	0
5917	SLC9A2	37.27712	-2.70395	0.643416	-4.20249	2.64E-05	0.000119	54.75072	81.01695	55.65851	6.696381	23.53022	2.009959
17587	TRNAV-CA	2.408899	-2.70681	1.929736	-1.40268	0.160711	0.242935	1.626259	7.116354	3.478657	2.232127	0	0
10181	POPDC3	10.33964	-2.71131	0.961643	-2.81946	0.00481	0.012561	14.63633	18.612	20.17621	4.464254	2.139111	2.009959
2571	RIMS1	87.18229	-2.71672	0.386864	-7.02241	2.18E-12	2.25E-11	132.8112	165.8658	150.9737	35.71403	25.66933	12.05975
624	PRDM1	385.0114	-2.71675	0.203655	-13.34	1.35E-40	5.77E-39	589.79	807.4324	606.6778	107.1421	100.5382	98.48799
17650	LOC103214	2.111364	-2.72241	1.949486	-1.39648	0.162571	0.244864	2.710432	5.474118	3.478657	0	0	1.004979
10674	LOC119621	9.657985	-2.72292	1.009042	-2.69852	0.006965	0.017347	22.76763	10.40082	17.39328	2.232127	2.139111	3.014938
20128	TRNAG-GC	1.032402	-2.72915	2.706882	-1.00823	0.313346	0.413866	2.168345	0.547412	3.478657	0	0	0
20130	LOC119621	1.025646	-2.73007	2.709512	-1.00759	0.313653	0.41423	1.626259	3.831883	0.695731	0	0	0
1265	SLC15A2	176.9616	-2.73545	0.2748	-9.95434	2.41E-23	5.07E-22	342.0565	264.9473	311.6877	46.87467	62.03421	34.1693
2874	KLF8	64.89657	-2.74057	0.416415	-6.58136	4.66E-11	4.31E-10	110.5856	119.8832	105.0554	24.5534	19.252	10.04979
11208	LOC119621	9.063802	-2.75271	1.066362	-2.58141	0.00984	0.02334	12.46799	22.44388	13.2189	2.232127	0	4.019918
339	SOC52	476.6087	-2.75687	0.16635	-16.5728	1.10E-61	8.60E-60	831.5605	801.4109	860.6197	129.4634	106.9555	129.6424
10209	LOC119621	12.4089	-2.76746	0.983322	-2.81439	0.004887	0.012726	25.47806	24.08612	13.91463	6.696381	4.278221	0
367	CUNH8orf1	506.4504	-2.77226	0.171231	-16.1902	5.91E-59	4.28E-57	880.3483	879.1434	893.3191	98.21359	154.016	133.6623
1599	LOC103214	108.4759	-2.77578	0.309053	-8.98156	2.67E-19	4.44E-18	191.8986	195.426	180.8902	24.5534	29.94755	28.13943
4969	TMEM156	31.32053	-2.77635	0.590203	-4.70406	2.55E-06	1.36E-05	47.7036	62.95236	51.48412	8.928508	12.83466	4.019918
15062	LOC119621	4.140578	-2.77755	1.523976	-1.82257	0.068369	0.120673	8.673382	8.758589	4.174388	2.232127	0	1.004979
868	MED12L	228.5418	-2.78467	0.238174	-11.6918	1.40E-31	4.30E-30	389.218	442.8562	361.0846	60.26743	70.59065	47.23404
4128	LOC119621	37.41227	-2.79163	0.529557	-5.27163	1.35E-07	8.71E-07	71.01331	65.68942	57.7457	11.16063	12.83466	6.029877
175	HOMER1	1729.768	-2.79323	0.13222	-21.1256	4.63E-99	7.03E-97	2876.852	3453.621	2741.182	457.586	402.1528	447.2159
19722	LOC119621	1.075973	-2.79421	2.622619	-1.06543	0.286682	0.386444	1.084173	3.284471	2.087194	0	0	0
1212	LOC103231	157.5617	-2.79446	0.276163	-10.1189	4.56E-24	9.99E-23	263.454	285.749	281.0755	40.17829	25.66933	49.24399
2075	LOC103231	88.69886	-2.79464	0.356118	-7.84751	4.24E-15	5.44E-14	131.1849	180.6459	152.3652	20.08914	27.80844	20.09959
6802	CDC42EP5	19.19184	-2.79465	0.732252	-3.81651	0.000135	0.000529	43.909	25.72836	30.61218	4.464254	6.417332	4.019918
347	TBX3	578.2845	-2.79581	0.169858	-16.4597	7.15E-61	5.47E-59	946.4828	1144.638	943.4117	124.9991	160.4333	149.7419
126	ATRNL1	1273.551	-2.81351	0.121026	-23.2472	1.52E-119	3.20E-117	2167.261	2322.121	2204.773	294.6408	320.8666	331.6432
3066	LOC119621	68.18238	-2.81751	0.446187	-6.31465	2.71E-10	2.35E-09	140.4004	88.68071	126.6231	13.39276	29.94755	10.04979
5285	LOC119621	32.37257	-2.82305	0.623577	-4.52719	5.98E-06	3.01E-05	73.18166	29.01283	68.87741	6.696381	6.417332	10.04979
5022	SNAI1	34.23272	-2.82619	0.604263	-4.67708	2.91E-06	1.54E-05	36.31979	83.75401	58.44144	11.16063	10.69555	5.024897
311	LOC103231	537.2438	-2.83177	0.164693	-17.1942	2.93E-66	2.51E-64	876.0116	988.6257	958.0221	129.4634	149.7377	121.6025
17064	LOC103241	2.266452	-2.83466	1.908227	-1.48549	0.137413	0.214084	4.336691	5.474118	2.782925	0	0	1.004979
374	AREG	1779.822	-2.83686	0.176161	-16.1038	2.40E-58	1.70E-56	2639.419	4062.89	2662.564	499.9964	400.0137	414.0515
2103	PKC1	89.59456	-2.84445	0.36497	-7.79365	6.51E-15	8.23E-14	175.636	137.9478	158.6268	11.16063	32.08666	22.10955
1145	SMAD9	162.8434	-2.8468	0.275367	-10.3382	4.73E-25	1.10E-23	254.2385	324.6152	277.5968	51.33892	32.08666	37.18424
3370	CUNH4orf1	49.92507	-2.84749	0.476981	-5.96982	2.38E-09	1.87E-08	80.22878	87.03848	93.92374	8.928508	21.39111	8.039836
1477	ID3	162.6144	-2.84754	0.305948	-9.30728	1.31E-20	2.36E-19	299.2317	238.1241	314.4706	62.49956	34.22577	27.13445
16578	LOC119621	2.634597	-2.86206	1.833663	-1.56085	0.11856	0.190127	5.420864	3.284471	4.87012	2.232127	0	0
15513	LOC119621	3.69328	-2.86342	1.644168	-1.74156	0.081585	0.139815	4.878777	10.40082	4.87012	0	0	2.009959
2512	PWWP3B	68.68733	-2.86394	0.402746	-7.11104	1.15E-12	1.22E-11	121.9694	121.5254	116.1871	17.85702	23.53022	11.05477
3283	HACD1	46.40055	-2.86769	0.473511	-6.05622	1.39E-09	1.13E-08	76.97626	86.49107	80.70484	15.62489	8.556443	10.04979
192	GATM	833.3	-2.86809	0.140017	-20.4839	3.00E-93	4.15E-91	1550.909	1442.43	1408.16	183.0344	203.2155	212.0507
644	MECOM	349.8288	-2.87252	0.217719	-13.1937	9.54E-40	3.94E-38	550.7598	700.6871	591.3717	71.42806	113.3729	71.35354
65	IL11	16676.51	-2.8741	0.105389	-27.2713	9.30E-164	3.80E-161	31750	25843.86	30461.9	4020.061	3773.391	4209.859
508	CHST11	373.2869	-2.87665	0.198463	-14.4946	1.31E-47	6.86E-46	608.763	750.5016	608.7649	100.4457	89.84265	81.40334
3439	LOC103241	44.93834	-2.8788	0.486978	-5.91155	3.39E-09	2.62E-08	81.85504	68.97389	85.57496	15.62489	8.556443	9.044815
19366	LOC119621	1.138938	-2.87943	2.558768	-1.12532	0.260455	0.357557	3.252518	2.189647	1.391463	0	0	0
19345	LOC119611	1.139826	-2.88049	2.554349	-1.12768	0.259454	0.356569	2.710432	2.737059	1.391463	0	0	0
125	LOC103221	1278.652	-2.88268	0.1237	-23.3038	4.06E-120	8.64E-118	2236.106	2162.277	2351.572	310.2657	327.2839	284.4092
784	BEST1	211.164	-2.88328	0.236417	-12.1957	3.28E-34	1.11E-32	376.75	372.7874	367.3462	37.96416	59.8951	52.25893
1683	ERC2	101.4327	-2.8837	0.328719	-8.77256	1.75E-18	2.76E-17	190.2723	169.6977	173.9328	26.78552	27.80844	20.09959
171	TNFRSF19	853.0852	-2.89339	0.136464	-21.2026	9.05E-100	1.41E-97	1509.168	1505.382	1493.04	225.4448	192.52	192.9561
515	SATB1	628.3267	-2.90487	0.2018	-14.3948	5.58E-47	2.88E-45	916.6681	1382.762	1020.638	154.0168	173.268	122.6075
855	SESN3	209.0264	-2.90668	0.247456	-11.7463	7.38E-32	2.30E-30	333.3831	403.9899	365.259	53.57105	57.75599	40.19918
5968	LOC119611	27.89419	-2.90829	0.696083	-4.17809	2.94E-05	0.000131	66.67662	22.44388	59.13717	8.928508	2.139111	8.039836
789	LOC119621	207.7947	-2.91368	0.239253	-12.1782	4.06E-34	1.37E-32	382.713	375.5245	340.9084	44.64254	57.75599	45.22408
3304	MERTK	45.88636	-2.92016	0.483827	-6.03555	1.58E-09	1.27E-08	79.14461	90.87036	72.35606	8.928508	14.97377	9.044815
1161	LOC103221	183.7476	-2.92909	0.284658	-10.2898	7.83E-25	1.79E-23	305.1946	379.3564	287.3371	31.24978	64.17332	35.17428
12018	LOC119621	7.434769	-2.93085	1.219514	-2.40329	0.016248	0.035943	15.17842	11.49565	13.91463	0	0	4.019918
7981	LOC119621	14.43735	-2.93699	0.859437	-3.41734	0.000632	0.002106	29.27266	20.25424	26.43779	2.232127	6.417332	2.009959
4134	LOC119621	36.43321	-2.93867	0.557696	-5.2693	1.37E-07	8.81E-07	69.92914	58.02565	65.39875	2.232127	14.97377	8.039836
678	SLC6A9	259.9352	-2.94507	0.227779	-12.9295	3.07E-38	1.20E-36	479.7464	465.3	429.962	62.49956	74.86887	47.23404
7475	LOC119621	16.37581	-2.94523	0.824797	-3.57086	0.000356	0.001265	27.10432	31.74989	27.82925	0	8.556443	3.014938
1379	CADM3	177.5894	-2.95289	0.307021	-9.61786	6.72E-22	1.30E-20	284.0533	353.0806	301.2517	35.71403	66.31243	25.12449
1966	ANO4	99.77452	-2.95451	0.366789	-8.05508	7.94E-16	1.07E-14	171.8414	181.1933	172.5414	26.78552	34.22577	12.05975
3844	LOC119621	39.84712	-2.95488	0.537129	-5.50126	3.77E-08	2.61E-07	52.58238	89.22813	70.9646	6.696381	8.556443	11.05477
6368	RAB38	21.2231	-2.96423	0.741864	-3.99565	6.45E-05	0.000269	33.60935	34.48694	44.52681			



182	TANC2	1066.724	-2.99287	0.144245	-20.7485	1.26E-95	1.85E-93	1798.1	2101.514	1781.072	229.9091	271.6671	218.0805
79	CSGALNAC	3096.51	-2.99759	0.114848	-26.1004	3.61E-150	1.21E-147	5496.214	5922.996	5100.407	611.6028	710.1847	737.6549
2501	GPM6A	74.92296	-2.99847	0.420313	-7.13389	9.76E-13	1.04E-11	141.4845	130.8314	123.1445	26.78552	19.252	8.039836
3959	SERPING1	38.87281	-3.01016	0.556954	-5.40467	6.49E-08	4.36E-07	62.33993	81.56436	61.22436	13.39276	10.69555	4.019918
8563	LOC10324	13.21914	-3.01195	0.930111	-3.23827	0.001203	0.003734	21.14137	16.42235	32.00364	4.464254	4.278221	1.004979
6276	LOC11962	20.01754	-3.02487	0.748729	-4.04001	5.34E-05	0.000226	30.35684	43.24553	32.69937	2.232127	8.556443	3.014938
6000	SALL4	20.07361	-3.02945	0.72751	-4.16414	3.13E-05	0.000138	35.7777	36.67659	34.09084	4.464254	6.417332	3.014938
1748	MAP3K15	118.5178	-3.03233	0.352856	-8.59368	8.42E-18	1.28E-16	223.8817	204.732	199.6749	31.24978	38.50399	13.06473
5398	LOC10323	26.17198	-3.03881	0.680737	-4.46401	8.04E-06	3.96E-05	45.53526	49.81448	43.13534	13.39276	2.139111	3.014938
335	RNF182	402.3491	-3.04785	0.183171	-16.6394	3.61E-62	2.87E-60	747.5371	674.4114	731.9094	91.51721	81.28621	87.43321
1543	LRRK1	113.2445	-3.05127	0.334824	-9.11307	8.01E-20	1.38E-18	184.8515	208.0165	209.4151	29.01765	32.08666	16.07967
2820	SLC26A7	51.81824	-3.05216	0.458278	-6.66006	2.74E-11	2.58E-10	85.64965	97.98671	93.228	11.16063	12.83466	10.04979
108	TENM3	4551.125	-3.06221	0.127938	-23.9351	1.32E-126	3.25E-124	7068.806	9503.069	7820.021	979.9037	904.8438	1030.104
583	ZNF704	388.0797	-3.06224	0.222004	-13.7936	2.78E-43	1.27E-41	598.4634	848.4883	627.5497	91.51721	94.12087	68.3386
1659	TMEM158	95.08732	-3.06463	0.347433	-8.82077	1.14E-18	1.82E-17	169.673	182.2881	157.931	24.5534	14.97377	21.10457
2366	LOC10321	67.47184	-3.07807	0.420411	-7.32157	2.45E-13	2.75E-12	119.8011	122.0728	119.6658	6.696381	23.53022	13.06473
2270	F2R	73.56429	-3.08678	0.413604	-7.46314	8.45E-14	9.89E-13	126.8482	145.0641	120.3615	13.39276	25.66933	10.04979
468	ASPHD2	298.3251	-3.08851	0.207313	-14.8979	3.40E-50	1.93E-48	534.4972	556.7178	512.0583	64.73168	55.61688	66.32864
5159	LOC11961	26.76282	-3.09318	0.672726	-4.59798	4.27E-06	2.20E-05	47.16151	48.71965	46.614	2.232127	12.83466	3.014938
965	NTNG2	165.8018	-3.09442	0.277686	-11.1436	7.70E-29	2.12E-27	326.336	260.0206	301.9474	35.71403	40.6431	30.14938
557	ADAM23	384.3594	-3.09616	0.219497	-14.1058	3.50E-45	1.67E-43	618.5205	844.109	598.329	89.28508	85.56443	70.34856
9476	LOC10322	10.8903	-3.09967	1.036139	-2.99156	0.002776	0.007787	23.8518	23.53871	10.43597	2.232127	4.278221	1.004979
114	LRRRC8C	1658.251	-3.10653	0.130679	-23.7722	6.48E-125	1.51E-122	2735.91	3326.074	2858.064	323.6584	337.9795	367.8225
631	LOC10324	238.7936	-3.11276	0.234587	-13.2691	3.50E-40	1.47E-38	445.595	435.1924	399.3498	55.80317	55.61688	41.20416
4414	ANKRD34B	34.1507	-3.11277	0.613868	-5.07074	3.96E-07	2.39E-06	59.08741	65.68942	56.35424	8.928508	12.83466	2.009959
43	THBS1	46789.21	-3.11542	0.099095	-31.4388	5.97E-217	3.69E-214	83560.99	88895.85	79250.76	9428.504	8922.231	10676.9
1154	ELOVL4	135.0654	-3.11547	0.302294	-10.3061	6.61E-25	1.52E-23	230.3867	262.7577	230.9828	26.78552	36.36488	23.11453
18216	FAM124B	1.347904	-3.12095	2.40267	-1.29895	0.193961	0.283073	2.168345	3.831883	2.087194	0	0	0
3840	LOC10323	50.47264	-3.12207	0.567028	-5.50603	3.67E-08	2.54E-07	73.18166	99.08154	96.01093	11.16063	21.39111	2.009959
10728	PLAC1	8.109894	-3.13053	1.16577	-2.68537	0.007245	0.017954	19.51511	9.853413	13.91463	2.232127	2.139111	1.004979
1555	LOC10322	200.2364	-3.13673	0.345865	-9.06923	1.20E-19	2.05E-18	310.0734	450.5199	311.6877	46.87467	64.17332	18.08963
524	RTL1	376.4752	-3.13879	0.219317	-14.3116	1.85E-46	9.39E-45	589.79	804.6954	633.1155	95.98146	59.8951	75.37346
155	LOC11962	895.3996	-3.14172	0.143955	-21.8243	1.36E-105	2.34E-103	1553.077	1567.24	1698.28	194.195	196.7982	162.8067
35	FSTL5	4823.927	-3.14565	0.095977	-32.7751	1.33E-235	1.01E-232	8641.941	9071.709	8297.988	966.511	943.3478	1022.064
207	LOC11961	721.5271	-3.15693	0.15857	-19.9087	3.42E-88	4.39E-86	1361.179	1287.513	1235.619	162.9453	158.2942	123.6125
15996	TRNAI-UAI	2.837685	-3.17012	1.902413	-1.66637	0.09564	0.158952	3.794605	1.094824	11.1317	0	0	1.004979
189	LOC10322	786.6032	-3.17161	0.154514	-20.5264	1.25E-93	1.76E-91	1367.684	1375.098	1497.214	167.4095	177.5462	134.6672
2180	SLFN13	74.38008	-3.1731	0.414753	-7.65057	2.00E-14	2.44E-13	123.5957	140.1374	135.6676	11.16063	25.66933	10.04979
18021	LOC11962	1.413532	-3.19173	2.382995	-1.33938	0.180447	0.2662	2.710432	4.379295	1.391463	0	0	0
5475	LOC11962	28.77526	-3.19245	0.721494	-4.42478	9.65E-06	4.69E-05	52.58238	48.17224	52.17985	11.16063	8.556443	0
10966	LOC11962	7.580793	-3.19496	1.211993	-2.63612	0.008386	0.02033	15.7205	15.87494	9.740239	0	2.139111	2.009959
98	XYLT1	1327.642	-3.20142	0.131097	-24.4202	1.04E-131	2.83E-129	2289.773	2606.228	2288.956	279.0159	239.5804	262.2996
3256	SLITRK6	55.70753	-3.20314	0.526058	-6.08894	1.14E-09	9.28E-09	94.32303	125.3573	79.31338	6.696381	23.53022	5.024897
1900	LOC11962	112.9223	-3.20608	0.391181	-8.1959	2.49E-16	3.48E-15	237.4338	140.6848	231.6785	37.94616	10.69555	19.09461
14942	LOC10322	3.228583	-3.21512	1.740739	-1.84699	0.064749	0.115205	8.131296	4.926706	4.174388	0	2.139111	0
168	LCN2	5412.666	-3.21801	0.151096	-21.2978	1.19E-100	1.88E-98	8231.582	12239.58	8846.224	1142.849	1078.112	937.6458
6548	DRD5	17.10435	-3.22193	0.821845	-3.92036	8.84E-05	0.000359	31.44101	33.39212	27.13352	2.232127	6.417332	2.009959
1385	NRIP3	105.6001	-3.23341	0.336839	-9.59926	8.05E-22	1.55E-20	177.8043	191.5941	203.8493	17.85702	21.39111	21.10457
1372	LOC11962	117.6626	-3.23488	0.335343	-9.64646	5.09E-22	9.86E-21	218.4608	214.038	201.7621	24.5534	32.08666	15.07469
1946	STK33	125.95	-3.24197	0.400026	-8.10441	5.30E-16	7.24E-15	239.6022	246.3353	189.2389	31.24978	38.50399	8.039836
1507	TRPC5OS	123.4693	-3.24425	0.351251	-9.23627	2.55E-20	4.50E-19	190.8144	283.5593	192.7176	24.5534	32.08666	17.08465
730	DNAH11	399.9663	-3.25267	0.25802	-12.6063	1.95E-36	7.10E-35	672.1871	797.0316	692.9484	93.74933	102.6773	41.20416
17541	LOC11962	1.488579	-3.26097	2.313382	-1.40961	0.158654	0.240455	2.168345	3.284471	3.478657	0	0	0
71	VGLL3	4815.804	-3.26545	0.122486	-26.6597	1.38E-156	5.17E-154	8084.676	10116.72	7977.256	850.4404	906.9829	958.7504
1127	LOC10324	142.2561	-3.26582	0.313791	-10.4076	2.29E-25	5.40E-24	266.1644	270.9688	233.7657	42.41041	17.11289	23.11453
1005	KRT79	165.2669	-3.26869	0.297956	-10.9704	5.30E-28	1.40E-26	282.9691	300.5291	309.6005	33.4819	44.92132	20.09959
5150	CCND2	174.6265	-3.27515	0.711537	-4.60293	4.17E-06	2.15E-05	268.3328	389.2098	290.12	29.01765	62.03421	9.044815
262	RUNX1T1	1313.442	-3.2863	0.181336	-18.1227	2.11E-73	2.14E-71	1968.316	3043.062	2137.287	209.8199	275.9453	246.22
1618	LOC10323	106.0568	-3.29102	0.368428	-8.93259	4.16E-19	6.84E-18	210.3295	186.6674	176.02	22.32127	29.94755	11.05477
1629	ZNF502	119.3535	-3.29424	0.37004	-8.90238	5.47E-19	8.92E-18	230.3867	193.2364	221.9383	17.85702	40.6431	12.05975
80	INHBA	13612.64	-3.30691	0.127835	-25.8686	1.50E-147	5.00E-145	22520.98	29916.6	21746.48	2446.411	2436.447	2608.927
12331	LOC11962	5.746685	-3.31466	1.41748	-2.33842	0.019366	0.041751	10.84173	14.23271	6.261582	0	2.139111	1.004979
5803	FOXQ1	22.98844	-3.33139	0.779782	-4.27221	1.94E-05	8.87E-05	39.5723	49.26706	34.78657	11.16063	2.139111	1.004979
938	BMPRI1B	170.9606	-3.33345	0.295489	-11.2811	1.63E-29	4.61E-28	287.8479	348.1539	292.2072	37.94616	38.50399	21.10457
11657	TMEFF2	6.704025	-3.3353	1.345174	-2.47946	0.013158	0.030009	10.84173	10.40082	14.61036	2.232127	2.139111	0
7134	FABP3	14.21941	-3.34136	0.906738	-3.68504	0.000229	0.000852	27.6464	30.10765	20.17621	2.232127	2.139111	3.014938
3626	LOC11962	41.09864	-3.35398	0.586924	-5.71451	1.10E-08	8.07E-08	94.86511	62.40495	65.39875	15.62489	4.278221	4.019918
793	RPS6KA2	194.9131	-3.35808	0.2767	-12.1362	6.79E-34	2.28E-32	364.282	367.3133	328.3852	46.87467	38.50399	24.11951
62	MYO10	5743.027	-3.3719	0.121906	-27.6598	2.13E-168	9.12E-166	9860.551	11878.84	9695.017	921.8684	973.2954	1128.592
1936	CDO1	72.18194	-3.38085	0.416094	-8.12521	4.47E-16	6.13E-15	146.9054	125.3573	122.4487	15.62489	10.69555	12.05975
16959	LOC10322	1.620722	-3.38786	2.261714	-1.49792	0.134155	0.210301	2.710432	4.926706	2.087			



3664	CITED4	36.07683	-3.45512	0.607852	-5.68415	1.31E-08	9.54E-08	48.78777	78.8273	69.57314	6.696381	8.556443	4.019918
247	B4GALT6	524.234	-3.46266	0.186645	-18.5521	7.84E-77	8.43E-75	892.8163	1090.444	898.1892	95.98146	85.56443	82.40832
16403	LOC119615	1.734015	-3.48424	2.194173	-1.58795	0.112297	0.181993	4.336691	3.284471	2.782925	0	0	0
3936	LOC119615	30.43212	-3.49642	0.645618	-5.41562	6.11E-08	4.13E-07	58.00324	54.19377	54.26705	6.696381	6.417332	3.014938
13466	SMIM10	3.860462	-3.50194	1.656558	-2.11399	0.034516	0.068143	6.505036	5.474118	9.044508	0	2.139111	0
1800	LOC119620	77.30933	-3.50945	0.415394	-8.44847	2.95E-17	4.36E-16	136.6058	152.7279	134.9719	13.39276	17.11289	9.044815
3703	FST	40.8503	-3.51002	0.622698	-5.6368	1.73E-08	1.24E-07	88.36008	67.87906	66.09448	8.928508	12.83466	1.004979
2857	EXO5	47.64289	-3.51512	0.53241	-6.60229	4.05E-11	3.77E-10	101.3702	79.92212	80.00911	6.696381	12.83466	5.024897
1083	LOC103215	130.0321	-3.51953	0.333145	-10.5646	4.35E-26	1.07E-24	239.0601	236.4819	237.9401	31.24978	21.39111	14.06971
3292	TMEM200	41.17794	-3.54565	0.5861	-6.04957	1.45E-09	1.17E-08	68.30288	91.41777	66.79021	13.39276	2.139111	5.024897
1104	GPR85	124.8949	-3.55377	0.338106	-10.5108	7.70E-26	1.85E-24	219.545	246.3353	221.2426	26.78552	21.39111	14.06971
225	FHL1	507.9066	-3.5553	0.18562	-19.1536	9.03E-82	1.07E-79	890.1058	1022.565	895.4063	91.51721	68.45154	79.39338
2253	LOC119621	57.62978	-3.5584	0.474284	-7.50268	6.25E-14	7.38E-13	108.9594	98.53413	110.6213	8.928508	10.69555	8.039836
458	LOC103235	278.1171	-3.56053	0.237658	-14.9818	9.66E-51	5.61E-49	469.9889	579.1617	489.0992	40.17829	47.06043	43.21412
15981	TRNAN-GL	1.84997	-3.57651	2.143418	-1.6686	0.095197	0.158363	4.336691	3.284471	3.478657	0	0	0
473	GCA	280.509	-3.58934	0.241354	-14.8717	5.03E-50	2.83E-48	559.4331	463.6578	526.6686	44.64254	53.47777	35.17428
448	L3MBTL4	316.5844	-3.59123	0.237493	-15.1214	1.17E-51	6.94E-50	578.4062	599.9633	567.7168	62.49956	57.75599	33.16432
1968	ANGPT1	68.22013	-3.60456	0.447671	-8.0518	8.16E-16	1.10E-14	133.8953	136.3055	108.5341	6.696381	12.83466	11.05477
1700	LOC103245	87.33909	-3.60684	0.413083	-8.73152	2.51E-18	3.93E-17	157.7471	171.8873	151.6694	11.16063	23.53022	8.039836
15860	TRNAK-CU	1.90296	-3.6144	2.139864	-1.68908	0.091204	0.152859	2.168345	4.379295	4.87012	0	0	0
5538	CUNH2orf1	22.07617	-3.62928	0.825439	-4.39679	1.10E-05	5.27E-05	28.18849	54.74118	38.96096	0	8.556443	2.009959
12776	LOC103236	4.188804	-3.63062	1.618117	-2.24373	0.024849	0.051708	8.131296	7.116354	7.653045	2.232127	0	0
409	GDNF	352.0399	-3.63179	0.233265	-15.5694	1.18E-54	7.64E-53	594.1267	789.3678	571.8912	49.10679	53.47777	54.26889
47	GRB10	1903.848	-3.63517	0.119455	-30.4312	2.12E-203	1.20E-200	3592.406	3524.237	3455.002	254.4625	316.5884	280.3893
279	ZDHHC2	414.9223	-3.63951	0.203617	-17.8743	1.87E-71	1.78E-69	770.3047	829.3289	708.9503	60.26743	51.33866	69.34358
1296	EPHA4	133.5918	-3.64219	0.368985	-9.87083	5.57E-23	1.14E-21	234.7234	276.443	226.1127	17.85702	36.36488	10.04979
786	IQGAP2	211.1059	-3.68734	0.302422	-12.1927	3.40E-34	1.15E-32	362.1137	473.5112	334.6468	33.4819	42.78221	20.09959
208	ATP2B3	843.056	-3.70307	0.186106	-19.8976	4.27E-88	5.46E-86	1450.623	1696.429	1538.958	136.1597	149.7377	86.42823
272	ELOVL7	414.6376	-3.7098	0.206444	-17.97	3.35E-72	3.27E-70	796.867	812.9065	704.0801	64.73168	44.92132	64.31869
5592	CCDC85A	21.11679	-3.71049	0.84784	-4.37641	1.21E-05	5.73E-05	39.03022	42.69812	34.09084	4.464254	6.417332	0
274	FUT1	568.6162	-3.71411	0.207174	-17.9275	7.20E-72	6.98E-70	1234.331	845.7513	1086.732	84.82083	87.70354	72.35852
21	ALPK2	14435.6	-3.71735	0.099116	-37.505	7.63E-308	9.66E-305	25791.39	29391.64	25319.06	2011.146	1948.73	2151.661
12358	TRNAP-AG	4.443456	-3.73109	1.600991	-2.33049	0.01978	0.042552	10.29964	6.568942	7.653045	0	2.139111	0
765	ADORA2B	159.1097	-3.75283	0.302664	-12.3993	2.63E-35	9.16E-34	302.4842	288.486	297.773	24.5534	19.252	22.10955
5610	LOC103215	20.90878	-3.7642	0.861776	-4.36796	1.25E-05	5.94E-05	33.60935	44.34036	37.56949	8.928508	0	1.004979
5315	SPINK2	20.72611	-3.77005	0.835771	-4.51087	6.46E-06	3.23E-05	44.99317	30.65506	38.96096	4.464254	4.278221	1.004979
179	RORA	794.9497	-3.77336	0.180494	-20.9058	4.75E-97	7.05E-95	1363.347	1666.869	1408.856	95.98146	141.1813	93.46309
2639	G0S2	48.51232	-3.77956	0.546296	-6.91852	4.56E-12	4.60E-11	88.90216	93.60742	86.96642	11.16063	6.417332	4.019918
769	PRR16	199.0651	-3.78982	0.307424	-12.3277	6.43E-35	2.22E-33	320.373	471.3216	323.5151	20.08914	29.94755	29.1444
10517	LOC103246	6.990033	-3.79431	1.38449	-2.74059	0.006133	0.015504	11.38381	15.32753	13.2189	0	0	2.009959
444	FLT1	398.7189	-3.79871	0.250591	-15.159	6.61E-52	3.96E-50	686.2813	876.4063	661.6405	55.80317	77.00798	35.17428
1070	TGFB1	115.5769	-3.8033	0.357129	-10.6496	1.75E-26	4.35E-25	221.7133	217.8699	205.9365	15.62489	19.252	13.06473
86	DDR2	1555.851	-3.80426	0.149899	-25.3789	4.32E-142	1.33E-139	2715.853	3314.579	2673	218.7484	231.024	181.9013
15293	TRNAP-AG	2.182203	-3.817	2.143934	-1.78037	0.075015	0.130404	9.215468	1.094824	2.782925	0	0	0
14847	LOC119620	2.19606	-3.8214	2.051577	-1.86267	0.062509	0.111929	5.420864	2.189647	5.565851	0	0	0
14806	LOC119621	2.190191	-3.82237	2.04246	-1.87145	0.061282	0.110036	4.336691	6.02153	2.782925	0	0	0
831	TRPM5	173.5293	-3.83202	0.322815	-11.8706	1.68E-32	5.38E-31	342.0565	263.8525	363.8675	20.08914	34.22577	17.08465
2016	FGF21	68.57123	-3.83339	0.482581	-7.94351	1.97E-15	2.59E-14	114.9223	131.3788	134.9719	11.16063	14.97377	4.019918
1158	IHO1	189.417	-3.8462	0.373662	-10.2933	7.56E-25	1.73E-23	374.5817	350.891	329.7767	35.71403	38.50399	7.034856
66	PID1	1730.097	-3.85266	0.141516	-27.2243	3.35E-163	1.35E-160	3035.684	3672.038	3003.472	198.6593	239.5804	231.1453
1037	SPINK5	163.4825	-3.85736	0.356435	-10.8221	2.71E-27	6.94E-26	269.4169	390.852	253.2462	20.08914	34.22577	13.06473
129	STK26	725.2099	-3.8584	0.167214	-23.0747	8.31E-118	1.71E-115	1417.556	1271.09	1378.94	89.28508	106.9555	87.43321
217	ITGA4	518.6389	-3.86097	0.198122	-19.4878	1.39E-84	1.71E-82	952.4458	1093.181	868.2728	60.26743	66.31243	71.35354
3465	MAL	43.20466	-3.88284	0.658928	-5.89266	3.80E-09	2.92E-08	63.96619	86.49107	89.05362	11.16063	8.556443	0
1431	LOC103236	89.19006	-3.88288	0.411461	-9.43682	3.84E-21	7.14E-20	174.0097	151.6331	176.7158	11.16063	8.556443	13.06473
31	PMEP1A1	3293.407	-3.88418	0.116085	-33.4598	1.85E-245	1.59E-242	5935.304	6784.622	5791.268	41.42454	402.1528	434.1511
5971	LOC119615	16.62054	-3.88617	0.930516	-4.17635	2.96E-05	0.000132	31.9831	25.18094	36.17803	2.232127	2.139111	2.009959
464	FLT3	284.049	-3.88899	0.260528	-14.9273	2.19E-50	1.25E-48	514.9821	591.2048	484.9248	35.71403	51.33866	26.12947
935	JAM2	131.6407	-3.91524	0.346714	-11.2924	1.43E-29	4.07E-28	236.8917	274.8007	228.1999	15.62489	19.252	15.07469
822	PLEKHG1	187.4674	-3.92796	0.329518	-11.9203	9.28E-33	3.00E-31	329.5885	399.6106	322.1236	15.62489	42.78221	15.07469
26	LOC103221	2814.208	-3.93072	0.112011	-35.0923	8.85E-270	9.05E-267	5369.908	5167.568	5311.213	372.7652	308.0319	355.7627
2333	RAB20	57.37143	-3.9379	0.534887	-7.36211	1.81E-13	2.06E-12	107.3331	93.60742	121.0573	2.232127	14.97377	5.024897
11384	LOC119620	5.103273	-3.9507	1.554628	-2.54125	0.011046	0.025795	12.46799	7.663765	8.348776	0	2.139111	0
406	ROR2	315.1973	-3.96857	0.254284	-15.6068	6.54E-55	4.28E-53	601.7159	580.2565	588.5887	60.26743	34.22577	26.12947
2924	LOC103235	47.59551	-3.97057	0.609055	-6.51923	7.07E-11	6.43E-10	110.0435	74.44801	81.40057	13.39276	4.278221	2.009959
2262	LOC119621	55.00584	-3.98076	0.531929	-7.48364	7.23E-14	8.50E-13	102.4543	99.62895	106.4469	8.928508	8.556443	4.019918
717	CACNA2D1	295.5901	-3.9812	0.314166	-12.6723	8.42E-37	3.12E-35	532.3288	601.6056	525.2772	44.64254	55.61688	14.06971
3652	C1QTNF3	33.76082	-3.98768	0.699958	-5.69703	1.22E-08	8.87E-08	74.80792	60.76271	52.87558	6.696381	6.417332	1.004979
363	TMTC1	300.1541	-3.99352	0.246154	-16.2237	3.43E-59	2.51E-57	572.4432	590.1099	527.3644	37.94616	44.92132	28.13943
1710	LOC119621	80.89875	-3.99383	0.459091	-8.69944	3.34E-18	5.19E-17	150.1579	151.0857	151.6694	15.62489	12.83466	4.019918
3067	LOC103221	38.7582	-4.00154	0.633869	-6.31288	2.74E-10	2.37E-09	63.96619	71.16354	84.87923	2.232127	4.278221	6.029877
193	DAB1	1048.727	-4.01185	0.195878	-20.4813	3.1							



333	MYCL	295.3039	-4.06884	0.243493	-16.7103	1.10E-62	8.81E-61	576.7799	540.8429	553.1064	35.71403	34.22577	31.15436
1445	CDH11	93.48283	-4.07673	0.434324	-9.38639	6.21E-21	1.14E-19	169.673	198.7105	157.931	17.85702	10.69555	6.029877
1948	ADGRL4	78.05911	-4.07804	0.503453	-8.10014	5.49E-16	7.49E-15	132.2691	171.3399	134.2762	15.62489	12.83466	2.009959
723	WIPF1	252.2941	-4.0859	0.323163	-12.6435	1.22E-36	4.47E-35	414.154	543.5799	464.7486	29.01765	49.19955	13.06473
183	BGN	484.2971	-4.08972	0.197347	-20.7235	2.13E-95	3.09E-93	893.3583	931.6949	920.4526	55.80317	49.19955	55.27387
1132	SH3GL3	108.5459	-4.09198	0.393925	-10.3877	2.82E-25	6.62E-24	187.5619	231.5552	196.1962	8.928508	14.97377	12.05975
992	HTR7	148.5866	-4.10521	0.372929	-11.008	3.50E-28	9.37E-27	266.1644	285.749	285.2499	33.4819	12.83466	8.039836
807	HOXB9	234.1578	-4.11037	0.341294	-12.0435	2.10E-33	6.91E-32	343.1407	605.4375	374.9992	26.78552	38.50399	16.07967
909	APBA2	172.4903	-4.11617	0.360236	-11.4263	3.09E-30	9.03E-29	361.5716	272.6111	338.1254	26.78552	27.80844	8.039836
2307	LOC119618	54.85967	-4.12269	0.556652	-7.40622	1.30E-13	1.50E-12	93.23886	124.8099	91.83654	6.696381	8.556443	4.019918
2947	MFAP2	220.6289	-4.12902	0.636118	-6.49096	8.53E-11	7.69E-10	508.477	244.6931	496.7522	42.41041	21.39111	10.04979
645	CMBL	261.5893	-4.13255	0.313658	-13.1753	1.22E-39	5.02E-38	511.1874	469.1319	496.0565	46.87467	34.22577	12.05975
8152	CNNB3	91.00079	-4.13774	1.229888	-3.36433	0.000767	0.002502	153.4104	211.301	150.9737	8.928508	21.39111	0
1224	ST8SIA1	102.1748	-4.1407	0.410469	-10.0877	6.26E-24	1.36E-22	190.8144	208.0165	181.5859	4.464254	17.11289	11.05477
800	HMX3	158.9262	-4.14114	0.342866	-12.078	1.38E-33	4.59E-32	316.0364	280.2748	301.2517	24.5534	21.39111	10.04979
3673	KRT73	31.698	-4.14899	0.730831	-5.67708	1.37E-08	9.92E-08	62.88202	59.66789	55.65851	6.696381	4.278221	1.004979
1905	FIBIN	63.88608	-4.15673	0.507677	-8.18774	2.66E-16	3.71E-15	114.3802	116.5987	132.189	6.696381	6.417332	7.034856
317	NTM	505.0756	-4.17058	0.244808	-17.0361	4.43E-65	3.72E-63	894.4425	1052.673	913.4953	66.96381	72.72976	30.14938
10491	LOC119618	5.871401	-4.17166	1.518747	-2.74678	0.006018	0.015251	14.63633	11.49565	6.957314	0	2.139111	0
144	KCNG1	602.8622	-4.17558	0.186002	-22.4491	1.31E-111	2.41E-109	1153.56	1136.974	1134.738	78.12444	53.47777	60.29877
815	CSRP2	147.6222	-4.18088	0.348709	-11.9896	4.03E-33	1.31E-31	277.5482	310.3825	249.7676	17.85702	17.11289	13.06473
479	NFATC4	307.8035	-4.18127	0.282021	-14.8261	9.93E-50	5.51E-48	608.763	515.1145	621.9838	20.08914	57.75599	23.11453
1	PHGDH	6288.725	-4.18785	0.094605	-44.2667	0	0	12111.29	11884.86	11778.04	618.2992	669.5416	670.3213
147	CEACAM2C	949.7027	-4.18935	0.188059	-22.2767	6.21E-110	1.12E-107	1773.707	1986.01	1632.882	138.3919	89.84265	77.38342
4	PSAT1	13260.8	-4.2228	0.087712	-48.1441	0	0	24928.93	25695.51	24905.79	1316.955	1300.579	1417.021
109	LOC103248	974.8182	-4.22411	0.176513	-23.9309	1.46E-126	3.56E-124	1925.491	1702.998	1914.653	93.74933	132.6249	79.39338
1352	SNX31	119.1968	-4.23328	0.43597	-9.71001	2.73E-22	5.37E-21	234.1813	208.5639	231.6785	8.928508	27.80844	4.019918
6248	LOC103227	15.14551	-4.23783	1.045656	-4.0528	5.06E-05	0.000215	27.6464	28.46541	30.61218	0	2.139111	2.009959
753	ADGRG2	228.5854	-4.24458	0.340652	-12.4602	1.23E-35	4.35E-34	387.0497	521.136	387.5224	37.94616	27.80844	10.04979
1378	GPX3	110.9187	-4.27125	0.444004	-9.61984	6.59E-22	1.27E-20	218.4608	222.7966	186.456	13.39276	21.39111	3.014938
52	TENM2	3527.932	-4.27834	0.144122	-29.6855	1.18E-193	6.05E-191	6074.62	8005.35	6043.123	368.301	363.6488	312.5486
12397	LOC119618	3.05276	-4.30114	1.852471	-2.32184	0.020241	0.043407	9.215468	4.926706	4.174388	0	0	0
1562	VGLL2	94.97331	-4.30704	0.47543	-9.05924	1.31E-19	2.24E-18	146.9054	247.4301	146.7993	6.696381	14.97377	7.034856
1674	LHFPL6	81.96969	-4.31567	0.491	-8.78954	1.50E-18	2.38E-17	152.3263	176.814	135.6676	11.16063	12.83466	3.014938
1391	TIMP4	91.67456	-4.31958	0.451837	-9.56004	1.18E-21	2.25E-20	163.7101	188.8571	168.367	13.39276	10.69555	5.024897
4885	CFAP300	21.10501	-4.32504	0.910597	-4.74968	2.04E-06	1.11E-05	43.909	35.03436	42.43961	2.232127	0	3.014938
2078	LOC103225	76.32628	-4.36399	0.556435	-7.84277	4.41E-15	5.64E-14	112.2119	165.3184	155.1481	17.85702	6.417332	1.004979
259	FZD8	386.2008	-4.38962	0.241722	-18.1598	1.07E-73	1.10E-71	796.867	669.4846	741.6496	49.10679	29.94755	30.14938
2293	NZF286A	254.8152	-4.41095	0.593421	-7.43309	1.06E-13	1.23E-12	970.8767	1098.108	935.7587	44.64254	83.42532	16.07967
37	NPTX1	1548.072	-4.41504	0.137143	-32.1931	2.21E-227	1.59E-224	3075.256	2871.722	2927.638	140.624	130.4858	142.7071
224	NEGR1	667.327	-4.44513	0.230393	-19.2937	6.07E-83	7.21E-81	1145.971	1482.391	1189.701	78.12444	70.59065	37.18424
1112	ESRP1	111.5876	-4.44681	0.424441	-10.4769	1.10E-25	2.64E-24	211.9558	233.1974	192.0219	15.62489	10.69555	6.029877
2227	SLPI	55.78256	-4.45347	0.589298	-7.55724	4.12E-14	4.91E-13	99.74389	108.3875	110.6213	2.232127	10.69555	3.014938
9102	LOC103236	7.113656	-4.46818	1.449453	-3.08267	0.002052	0.005992	15.17842	14.23271	11.1317	0	2.139111	0
1765	ZNF239	80.25282	-4.47454	0.522799	-8.55882	1.14E-17	1.72E-16	146.9054	154.3701	155.1481	13.39276	10.69555	1.004979
1558	ZNF215	83.74339	-4.47731	0.493917	-9.0649	1.25E-19	2.13E-18	157.205	172.9821	147.4951	8.928508	12.83466	3.014938
748	LRCH2	193.7813	-4.50354	0.361181	-12.4689	1.10E-35	3.92E-34	293.2687	485.0069	334.6468	11.16063	23.53022	15.07469
284	FYN	425.1493	-4.50379	0.253225	-17.7857	9.12E-71	8.53E-69	746.4529	942.0957	753.4771	20.08914	55.61688	33.16432
6728	LOC103215	14.08595	-4.57161	1.188767	-3.84568	0.000012	0.000475	29.81475	27.37059	22.95914	2.232127	2.139111	0
101	SYT1	899.2815	-4.57446	0.188319	-24.291	2.44E-130	6.47E-128	1629.512	1958.639	1589.05	91.51721	55.61688	71.35354
4104	LOC119618	28.81498	-4.58819	0.866874	-5.2928	1.20E-07	7.80E-07	66.13454	41.05589	57.04997	2.232127	6.417332	0
465	CCN2	231.2841	-4.61233	0.309102	-14.9217	2.38E-50	1.36E-48	470.531	427.5286	432.0492	17.85702	25.66933	14.06971
820	SCN9A	140.347	-4.61906	0.387347	-11.9248	8.78E-33	2.85E-31	258.0331	289.0334	262.2907	6.696381	14.97377	11.05477
10858	LOC119618	3.837952	-4.62825	1.740599	-2.659	0.007837	0.019189	10.29964	4.379295	8.348776	0	0	0
2933	LOC103237	41.87706	-4.63097	0.711524	-6.50852	7.59E-11	6.88E-10	64.50828	97.98671	77.92191	6.696381	2.139111	2.009959
1069	ST6GALNA	110.8604	-4.63441	0.435075	-10.652	1.71E-26	4.24E-25	209.7874	216.7751	210.8066	8.928508	12.83466	6.029877
486	BDNF	254.3529	-4.63511	0.31366	-14.7775	2.05E-49	1.12E-47	449.9317	557.2652	454.3126	29.01765	23.53022	12.05975
1301	SLIT3	713.9623	-4.65002	0.471902	-9.85379	6.60E-23	1.35E-21	1297.213	1562.861	1255.795	62.49956	81.28621	24.11951
213	GFRA1	655.1146	-4.68089	0.236691	-19.7764	4.75E-87	5.93E-85	1206.142	1420.534	1145.87	66.96381	62.03421	29.1444
145	GPR176	646.9009	-4.69407	0.209248	-22.433	1.88E-111	3.44E-109	1256.014	1210.328	1264.84	73.66019	36.36488	40.19918
432	RNF157	260.4927	-4.71502	0.308112	-15.3029	7.31E-53	4.50E-51	501.4299	516.7568	481.4461	22.32127	29.94755	11.05477
2698	LRP1B	310.1283	-4.72664	0.691409	-6.83625	8.13E-12	8.01E-11	608.763	626.2391	556.5851	8.928508	49.19955	11.05477
2432	RBM24	55.1499	-4.75924	0.658802	-7.22408	5.04E-13	5.51E-12	83.4813	133.0211	100.1853	8.928508	4.278221	1.004979
427	RORB	303.8654	-4.80992	0.31362	-15.3368	4.34E-53	2.70E-51	535.0392	704.519	514.8412	26.78552	29.94755	12.05975
91	ULK2	822.9258	-4.84885	0.195334	-24.8233	5.02E-136	1.47E-133	1667.458	1553.007	1544.524	51.33892	77.00798	44.2191
67	TES	916.243	-4.86943	0.179027	-27.1995	6.59E-163	2.61E-160	1762.323	1825.618	1731.675	58.0353	53.47777	66.32864
888	CYR1	168.703	-4.87487	0.421597	-11.5629	6.35E-31	1.90E-29	284.5953	402.8951	287.3371	6.696381	25.66933	5.024897
30	AKAP12	18301.17	-4.88436	0.145118	-33.6579	2.39E-248	2.12E-245	30947.71	44924.99	30337.37	1214.277	1195.763	1186.881
2956	LOC119618	40.71841	-4.88989	0.754334	-6.48239	9.03E-11	8.12E-10	80.22878	77.73248	77.92191	0	6.417332	2.009959
313	UAP1L1	329.9011	-4.90373	0.286269	-17.1298	8.90E-66	7.56E-64	681.4026	562.1919	668.5978	22.32127	27.80844	17.08465
687	FBLN7	169.582	-4.97788	0.386612	-12.8757	6.17E-38	2.39E-36	319.2889	307.6454	359.6931	13.39276	6.417332	11.05477
542	NOX4	206.9327											



7001	ACSS1	10.59042	-5.06979	1.358435	-3.73208	0.00019	0.000721	22.22554	17.51718	21.56767	2.232127	0	0
8768	LOC119615	5.275316	-5.0879	1.598929	-3.18207	0.001462	0.004433	13.55216	7.663765	10.43597	0	0	0
188	CNRIP1	471.1577	-5.0969	0.248072	-20.546	8.35E-94	1.18E-91	870.5907	961.2551	914.191	31.24978	23.53022	26.12947
488	HTATIP2	235.357	-5.11012	0.346301	-14.7563	2.80E-49	1.53E-47	484.6252	411.6537	474.4888	8.928508	21.39111	11.05477
159	DKK1	545.8411	-5.11703	0.236354	-21.6498	6.10E-104	1.02E-101	1131.334	982.0568	1067.948	33.4819	32.08666	28.13943
2612	LOC119621	49.54661	-5.13868	0.738519	-6.95808	3.45E-12	3.51E-11	95.94929	81.56436	109.9256	6.696381	2.139111	1.004979
388	LRRC15	291.4846	-5.14517	0.323599	-15.8998	6.35E-57	4.35E-55	560.5173	632.2606	505.101	11.16063	27.80844	12.05975
38	GLB1L3	1531.956	-5.16817	0.160969	-32.1066	3.56E-226	2.49E-223	3191.805	2833.404	2916.506	93.74933	74.86887	81.40334
48	CDH13	1453.209	-5.20849	0.172473	-30.1988	2.45E-200	1.36E-197	2699.59	3162.945	2629.169	64.73168	83.42532	79.39338
2209	LOC119621	58.04433	-5.22718	0.689239	-7.58399	3.35E-14	4.03E-13	118.7169	106.1979	116.1871	0	2.139111	5.024897
6598	LOC119615	11.45156	-5.24158	1.342763	-3.90358	9.48E-05	0.000382	24.93597	21.89647	20.87194	0	0	1.004979
553	DACT1	222.7869	-5.25326	0.372108	-14.1175	2.96E-45	1.42E-43	401.1439	461.4682	435.5278	11.16063	21.39111	6.029877
660	DNER	193.0551	-5.26486	0.40293	-13.0664	5.12E-39	2.06E-37	427.7061	336.6583	360.3888	17.85702	10.69555	5.024897
87	VASH2	952.5557	-5.26566	0.207763	-25.3446	1.03E-141	3.15E-139	1771.538	2113.557	1690.627	49.10679	34.22577	56.27885
496	BVES	239.4973	-5.32025	0.36234	-14.683	8.28E-49	4.44E-47	463.4838	520.0412	416.0474	13.39276	14.97377	9.044815
1318	TWIST1	100.8181	-5.37168	0.548002	-9.8023	1.10E-22	2.22E-21	201.6561	210.7535	177.4115	8.928508	2.139111	4.019918
110	MMP10	760.3488	-5.41567	0.226323	-23.9289	1.53E-126	3.70E-124	1574.219	1361.961	1527.826	33.4819	21.39111	43.21412
167	ZNF354C	578.4779	-5.45116	0.255465	-21.3382	5.02E-101	7.99E-99	1104.772	1238.246	1048.467	15.62489	40.6431	23.11453
250	PCOLCE2	394.5687	-5.45517	0.295822	-18.4407	6.19E-76	6.58E-74	783.3148	810.7169	716.6033	22.32127	21.39111	13.06473
19	IL1A	5653.506	-5.48908	0.121476	-45.1865	0	0	10500.76	11998.72	10689.22	243.3018	226.7457	262.2996
3589	LOC103241	35.6003	-5.49545	0.954664	-5.75642	8.59E-09	6.36E-08	63.42411	93.06001	52.87558	2.232127	0	2.009959
330	NEDD9	366.4355	-5.50727	0.329196	-16.7295	8.00E-63	6.44E-61	646.709	853.415	645.6387	24.5534	19.252	9.044815
103	SLC6A15	739.7003	-5.50907	0.227907	-24.1725	4.33E-129	1.11E-126	1472.849	1464.874	1406.769	15.62489	44.92132	33.16432
137	RNF150	720.088	-5.52379	0.24205	-22.8208	2.85E-115	5.53E-113	1295.044	1581.473	1345.544	35.71403	40.6431	22.10955
920	TAL1	1395.246	-5.60891	0.492127	-11.3973	4.31E-30	1.25E-28	2818.849	2723.374	2658.39	40.17829	100.5382	30.14938
6703	LOC103241	7.852838	-5.66011	1.468868	-3.85339	0.000116	0.000462	13.55216	14.78012	18.78475	0	0	0
107	PTPDC1	731.5885	-5.70829	0.237952	-23.9892	3.60E-127	8.95E-125	1427.313	1502.645	1374.069	35.71403	25.66933	24.11951
18	BCAT1	6118.319	-5.77019	0.131243	-43.9656	0	0	11433.69	13240.25	11367.55	258.9267	207.4937	202.0009
1146	LOC119621	140.3017	-5.80812	0.562502	-10.3255	5.40E-25	1.25E-23	329.5885	179.0037	315.862	8.928508	6.417332	2.009959
990	GGH	152.65	-5.83882	0.529529	-11.0264	2.85E-28	7.65E-27	343.6828	221.1544	335.3425	0	10.69555	5.024897
280	NRCAM	424.1248	-5.84172	0.327234	-17.8519	2.80E-71	2.65E-69	733.9849	990.8154	777.8277	8.928508	17.11289	16.07967
324	PELI2	371.3396	-5.86485	0.348423	-16.8326	1.41E-63	1.16E-61	716.0961	788.8204	679.0338	13.39276	25.66933	5.024897
162	PNMA8A	640.3216	-5.89563	0.27413	-21.5067	1.35E-102	2.21E-100	1253.304	1314.336	1202.224	26.78552	34.22577	11.05477
480	CYP27A1	1318.804	-5.90661	0.398434	-14.8246	1.02E-49	5.63E-48	2785.782	2397.116	2595.078	60.26743	53.47777	21.10457
39	MSC	1491.439	-5.91236	0.185484	-31.8754	5.86E-223	3.99E-220	2916.967	2821.908	3063.305	46.87467	51.33866	48.23901
5943	MYL9	9.751703	-5.97352	1.426036	-4.1889	2.80E-05	0.000125	13.55216	24.08612	20.87194	0	0	0
15	ALDH1A3	8428.989	-5.99507	0.125194	-47.8863	0	0	15898.85	18623.5	15272.7	261.1589	252.4151	265.3146
4965	LOC103221	19.79948	-6.00255	1.275562	-4.70581	2.53E-06	1.35E-05	37.40396	28.46541	50.78839	0	2.139111	0
134	IL1B	697.5611	-6.00349	0.261696	-22.9407	1.83E-116	3.62E-114	1324.317	1468.706	1328.847	17.85702	23.53022	22.10955
164	NPR3	635.912	-6.01715	0.28155	-21.3715	2.46E-101	3.99E-99	1199.637	1371.267	1179.96	29.01765	23.53022	12.05975
438	LGI2	312.9008	-6.01932	0.395233	-15.2298	2.24E-52	1.36E-50	570.2749	746.6697	530.843	4.464254	17.11289	8.039836
8	ADAMTS6	6188.465	-6.05023	0.121572	-49.7664	0	0	12206.16	12182.65	12179.47	200.8914	196.7982	164.8166
343	LOC103221	369.0039	-6.23221	0.376915	-16.5348	2.06E-61	1.60E-59	752.4159	728.0577	699.21	8.928508	21.39111	4.019918
166	WIF1	622.3564	-6.23779	0.292162	-21.3505	3.86E-101	6.18E-99	1266.314	1199.927	1218.226	8.928508	25.66933	15.07469
492	DOK6	286.73	-6.26104	0.425719	-14.707	5.81E-49	3.14E-47	540.4601	630.6184	525.9729	4.464254	12.83466	6.029877
142	ITIH5	780.4843	-6.31873	0.28057	-22.5211	2.58E-112	4.83E-110	1465.802	1718.873	1433.902	22.32127	29.94755	12.05975
1118	MOXD1	158.9695	-6.59402	0.631367	-10.444	1.56E-25	3.71E-24	284.5953	374.4297	281.7712	4.464254	8.556443	0
563	GSPT2	302.9416	-6.69688	0.477403	-14.0277	1.06E-44	4.98E-43	545.881	721.4888	532.2345	4.464254	8.556443	5.024897
4222	LOC119615	17.69688	-6.83343	1.313659	-5.20183	1.97E-07	1.24E-06	36.86187	31.74989	37.56949	0	0	0
133	CSTA	933.8292	-6.99243	0.303796	-23.0169	3.16E-117	6.31E-115	1901.639	1693.145	1966.833	17.85702	6.417332	17.08465
243	POSTN	638.3276	-7.03237	0.376657	-18.6705	8.61E-78	9.42E-76	1141.634	1474.727	1179.265	8.928508	21.39111	4.019918
202	NPEPL1	698.5032	-7.04174	0.349873	-20.1266	4.32E-90	5.66E-88	1458.754	1277.659	1421.379	15.62489	8.556443	9.044815
3867	LOC119615	21.15583	-7.09234	1.293836	-5.48164	4.21E-08	2.90E-07	41.74065	47.62483	37.56949	0	0	0
3736	LOC119615	22.90281	-7.20638	1.285121	-5.60755	2.05E-08	1.46E-07	42.82482	51.45671	43.13534	0	0	0
61	EDN1	1805.89	-7.21056	0.258143	-27.9324	1.08E-171	4.70E-169	3166.869	4279.118	3315.16	17.85702	34.22577	22.10955
75	LRRC10B	1399.749	-7.25672	0.274758	-26.4113	1.02E-153	3.60E-151	2933.229	2508.788	2904.678	17.85702	12.83466	21.10457
1019	DNAJC15	217.8495	-7.36335	0.674922	-10.9099	1.03E-27	2.69E-26	378.9184	462.563	457.0955	2.232127	4.278221	2.009959
1337	SPINK6	195.41	-7.48949	0.767878	-9.75349	1.78E-22	3.54E-21	460.2313	245.7879	457.7912	2.232127	6.417332	0
112	CRMP1	1262.429	-7.61574	0.318917	-23.88	4.94E-126	1.17E-123	2418.247	2708.594	2402.36	20.08914	19.252	6.029877
818	PENK	339.0601	-7.99569	0.669211	-11.9479	6.66E-33	2.16E-31	623.3993	793.7471	607.3735	6.696381	2.139111	1.004979
95	ZNF521	1658.615	-8.2098	0.33504	-24.5039	1.34E-132	3.76E-130	3338.168	3488.655	3084.873	17.85702	17.11289	5.024897
13	CXCL12	4767.754	-8.2527	0.216661	-38.0903	0	0	8979.119	10303.39	9226.094	29.01765	42.78221	26.12947