

Supplemental Data 3

Up-regulated genes

Gene ID	Transcript length (bp)	Primary ALL RPKM	Relapse RPKM	Fold change	Fisher's exact test raw p-value
76P	3,087	0.93	4.20	4.516129032	0
A2M	4,653	4.04	13.74	3.400990099	0
AAAS	1,799	6.38	24.35	3.81661442	0
AACS	3,234	3.21	9.25	2.881619938	0
AAMP	1,792	13.47	43.15	3.203414996	0
AARS	3,344	3.05	34.11	11.18360656	0
AARS2	4,073	1.95	6.66	3.415384615	0
AARSD1	1.79	7.30	15.53	2.12739726	2.20E-14
AASDH	3,562	0.89	3.14	3.528089888	1.67E-12
AATF	2,141	8.04	33.52	4.169154229	0
ABCA9	6,301	1.20	4.37	3.641666667	0
ABCB6	2,972	0.40	3.35	8.375	0
ABCB9	6,199	0.36	1.24	3.444444444	6.34E-09
ABCC4	5,833	1.17	6.15	5.256410256	0
ABCC5	7,062	1.32	3.08	2.333333333	1.21E-13
ABCE1	3,524	3.98	10.59	2.66080402	0
ABCF2	7,904	1.66	7.97	4.801204819	0
ABCG1	5,055	3.13	16.47	5.261980831	0
ABHD12	1,917	4.08	12.25	3.00245098	0
ABHD14A	1,062	1.68	15.78	9.392857143	0
ABHD14B	1,816	37.43	78.07	2.085760085	0
ABHD4	2,509	4.10	9.43	2.3	3.80E-14
ABHD8	2,041	3.06	12.34	4.032679739	0
ABI3	2,109	2.53	7.31	2.889328063	8.70E-14
ACAA2	1,584	8.93	32.76	3.668533035	0
ACAD10	3,959	2.98	8.51	2.855704698	0
ACAD9	2,454	2.94	12.74	4.333333333	0
ACADM	2,192	1.80	19.44	10.8	0
ACAT1	1,518	7.69	24.52	3.188556567	0
ACAT2	1,455	1.84	7.24	3.934782609	3.31E-13
ACBD6	1.06	7.19	17.53	2.438108484	1.42E-12
ACD	2,034	3.36	14.50	4.31547619	0

ACLY	4,353	6.75	37.68	5.582222222	0
ACO1	3,497	0.62	3.37	5.435483871	0
ACO2	2,926	17.71	48.62	2.745341615	0
ACOT7	2,389	2.15	7.01	3.260465116	0
ACOT8	1,618	4.46	12.02	2.695067265	2.00E-15
ACOX1	7,675	2.77	5.91	2.133574007	0
ACOX3	2,411	0.99	5.03	5.080808081	0
ACSL3	4,361	2.50	7.61	3.044	0
ACSL5	3,929	2.87	22.17	7.724738676	0
ACSS2	3,221	3.35	11.24	3.355223881	0
ACTB	4,228	204.10	864.74	4.236844684	0
ACTBP2	1.78	37.13	102.74	2.767034743	0
ACTL6A	2,335	1.99	14.43	7.251256281	0
ACTN1	3,994	19.55	45.69	2.337084399	0
ACTN4	4,125	48.16	165.27	3.431686047	0
ACTR2	3,861	33.93	72.02	2.122605364	0
ACTR3	3,212	15.22	41.16	2.704336399	0
ACVR1	2,951	0.77	3.25	4.220779221	1.26E-12
ACY1	1,415	3.00	11.25	3.75	0
ACY3	1.3	11.79	28.12	2.385072095	0
ACYP1	1,129	1.57	11.27	7.178343949	0
ACYP2	1,068	1.30	6.08	4.676923077	1.07E-09
ADA	1,532	38.04	106.28	2.793901157	0
ADCK1	2,183	1.32	4.55	3.446969697	5.86E-11
ADCK2	4,728	1.32	5.88	4.454545455	0
ADCK4	2,253	3.08	6.73	2.185064935	7.77E-09
ADCY4	3,292	0.48	2.36	4.916666667	9.71E-12
ADCY5	3,842	0.00	6.47	6.47	0
ADCY9	7,725	2.10	5.35	2.547619048	0
ADFP	1.98	44.42	103.89	2.338811346	0
ADH5	2,644	5.42	14.68	2.708487085	0
ADI1	1,627	8.33	29.67	3.56182473	0
ADRA1B	2,368	1.30	27.04	20.8	0
ADSL	1,681	13.78	36.33	2.636429608	0
AEBP1	8,161	3.04	31.04	10.21052632	0
AFAP1L1	4,153	3.02	20.99	6.950331126	0
AFARP1	1,324	0.52	4.58	8.807692308	9.15E-13

AFF2	13,746	0.35	0.99	2.828571429	7.10E-12
AFF3	8,213	5.03	10.25	2.03777336	0
AFG3L2	2,963	6.38	13.27	2.079937304	0
AFMID	1.7	1.28	7.78	6.078125	0
AGGF1	4,466	1.86	4.41	2.370967742	1.44E-12
AGPAT2	1,548	13.87	28.03	2.020908435	0
AGPAT3	6,609	2.41	7.43	3.082987552	0
AGPAT7	1,908	4.52	14.66	3.243362832	0
AGTRAP	3,041	1.79	11.63	6.497206704	0
AGXT2L2	2,826	8.65	23.04	2.663583815	0
AHCY	2.11	55.70	116.25	2.087073609	0
AHCYL1	3,088	6.15	20.04	3.258536585	0
AHSA1	1,371	12.56	87.49	6.965764331	0
AIFM1	2,346	3.12	14.50	4.647435897	0
AIP	1,212	29.96	79.58	2.656208278	0
AK1	2,277	7.25	33.66	4.642758621	0
AK2	4,069	6.27	46.05	7.344497608	0
AK2B	1,978	1.60	17.00	10.625	0
AKAP1	3,799	1.82	11.27	6.192307692	0
AKNA	5,378	23.35	64.49	2.761884368	0
AKR1A1	1,535	23.53	77.54	3.295367616	0
AKR7A2	1,362	6.25	33.46	5.3536	0
AKT1	3,333	12.03	30.02	2.495428096	0
ALAD	3.54	2.40	12.97	5.404166667	0
ALAS1	2,563	4.94	12.16	2.461538462	0
ALAS2	2,367	6.11	14.06	2.301145663	0
ALDH16A1	2,607	8.54	17.64	2.06557377	0
ALDH18A1	3,616	1.88	20.11	10.69680851	0
ALDH4A1	3.56	0.81	5.58	6.888888889	0
ALDH6A1	2,183	0.59	4.01	6.796610169	1.00E-15
ALDH7A1	1,882	5.04	16.07	3.188492063	0
ALDH7A1P1	1,816	3.27	10.81	3.305810398	0
ALDH9A1	2,696	2.90	11.18	3.855172414	0
ALDOA	2,736	71.31	234.08	3.282569065	0
ALDOAP1	1.97	2.06	7.83	3.800970874	0
ALDOAP2	1,076	8.46	48.62	5.747044917	0
ALDOC	1,651	0.84	19.90	23.69047619	0

ALG1	2,132	0.60	7.00	11.66666667	0
ALG3	1.52	3.32	33.81	10.18373494	0
ALG8	1,997	1.14	9.49	8.324561404	0
ALKBH3	1,519	5.21	10.93	2.097888676	7.37E-09
ALKBH5	2,963	16.50	41.90	2.539393939	0
AMACR	4,247	0.30	1.98	6.6	2.00E-15
AMOT	6,514	1.05	2.47	2.352380952	1.34E-10
AMPD3	5,396	0.46	2.84	6.173913043	0
ANAPC11	2,156	5.64	19.66	3.485815603	0
ANAPC13	1.17	7.02	14.91	2.123931624	1.85E-09
ANAPC7	2,057	6.40	18.51	2.8921875	0
ANGEL1	4,058	2.76	12.43	4.503623188	0
ANGPTL2	3,572	0.00	6.34	6.34	0
ANK1	12,022	0.14	0.76	5.428571429	1.80E-14
ANKMY2	5	1.03	2.42	2.349514563	3.40E-08
ANKRD13D	2,219	8.29	17.34	2.091676719	0
ANKRD15	8,075	0.51	2.48	4.862745098	0
ANKRD16	2.49	1.00	6.16	6.16	0
ANKRD27	4,423	1.50	3.54	2.36	3.51E-10
ANKRD39	0.837	1.65	9.87	5.981818182	5.00E-14
ANKRD41	2,907	0.65	3.25	5	2.30E-14
ANKRD58	1,725	2.24	12.80	5.714285714	0
ANKS6	7,147	0.25	2.77	11.08	0
ANP32A	2,464	32.56	100.39	3.083230958	0
ANP32E	3,269	5.11	15.72	3.076320939	0
ANTXR2	3,864	10.91	45.32	4.153987168	0
ANXA11	3,783	35.02	85.59	2.444031982	0
ANXA4	1,957	2.22	19.45	8.761261261	0
ANXA6	2,915	21.31	43.08	2.02158611	0
AOF1	3,811	1.32	7.28	5.515151515	0
AP1M1	2,284	8.80	37.88	4.304545455	0
AP1S1	2,466	0.84	12.60	15	0
AP2A1	3,499	12.98	27.13	2.090138675	0
AP2B1	5,763	11.37	32.74	2.879507476	0
AP2M1	2,172	62.32	202.47	3.248876765	0
AP2S1	0.89	22.01	112.54	5.113130395	0
APAF1	10,362	1.57	4.69	2.987261146	0

APBA3	2,158	2.20	9.65	4.386363636	0
APBB1IP	3,072	14.98	87.18	5.81975968	0
APCDD1	2,558	2.36	13.96	5.915254237	0
APEH	2,758	2.98	22.76	7.637583893	0
APEX1	2,134	59.62	156.88	2.631331768	0
APEX2	1,977	4.81	19.09	3.968814969	0
API5	3,734	9.11	18.61	2.042810099	0
APLP2	3,721	8.99	37.98	4.224694105	0
APOA1BP	1,121	6.97	37.79	5.421807747	0
APOBEC3C	1,127	5.18	34.53	6.666023166	0
APOBEC3F	2,971	0.67	6.97	10.40298507	0
APOBEC3G	1,708	4.35	23.47	5.395402299	0
APOBEC3H	0.916	1.19	7.82	6.571428571	6.08E-13
APOE	1.18	0.76	11.63	15.30263158	0
APOL1	3,073	1.32	5.79	4.386363636	0
APOL2	2,889	5.37	13.06	2.432029795	0
APOL4	3,478	0.28	24.00	85.71428571	0
APP	3,627	15.90	59.22	3.724528302	0
APRT	1,301	38.79	149.85	3.863109049	0
AQP1	5,508	0.23	3.13	13.60869565	0
ARCN1	3,904	7.83	27.66	3.53256705	0
ARD1A	0.882	24.68	61.79	2.503646677	0
ARF3	3,595	22.49	97.12	4.318363717	0
ARFRP1	1.74	5.57	20.62	3.701974865	0
ARHGAP1	3,346	11.23	27.54	2.452359751	0
ARHGAP10	3,056	2.20	5.98	2.718181818	2.30E-14
ARHGAP11A	6,021	0.94	4.15	4.414893617	0
ARHGAP18	3,499	0.40	4.82	12.05	0
ARHGAP19	5,463	1.38	7.19	5.210144928	0
ARHGAP22	2,749	1.26	4.75	3.76984127	2.00E-15
ARHGAP23	6,475	3.41	20.39	5.979472141	0
ARHGAP30	5,412	11.11	37.51	3.376237624	0
ARHGAP9	2,912	14.30	28.90	2.020979021	0
ARHGDIB	1,216	368.33	837.72	2.274373524	0
ARHGEF11	6,889	1.00	7.77	7.77	0
ARHGEF3	3.56	3.42	11.69	3.418128655	0
ARHGEF6	5,272	6.56	13.79	2.102134146	0

ARID3A	2,724	1.27	3.55	2.795275591	2.09E-08
ARIH2	5,434	21.19	43.65	2.059933931	0
ARL1	3,199	3.65	11.00	3.01369863	0
ARL11	3.76	1.45	6.32	4.35862069	0
ARL2	0.895	5.41	33.60	6.210720887	0
ARL6IP1	2,264	21.46	55.88	2.603914259	0
ARMC10	5,258	1.11	3.17	2.855855856	4.70E-14
ARMC5	4,672	2.27	6.99	3.079295154	0
ARMC6	2,289	3.72	25.76	6.924731183	0
ARMC7	2,126	0.70	5.70	8.142857143	0
ARMCX2	3,079	0.29	2.22	7.655172414	2.04E-13
ARMET	0.875	12.67	77.98	6.154696133	0
ARPC1A	3,186	4.88	12.74	2.610655738	0
ARPC1B	3.04	15.10	45.74	3.029139073	0
ARPC2	3,057	41.92	120.10	2.864980916	0
ARPC3	1,412	46.46	134.36	2.891950065	0
ARPC4	2,484	29.47	99.42	3.373600271	0
ARPC5	1,982	12.53	51.55	4.114126097	0
ARRB1	2.58	4.03	22.60	5.607940447	0
ARRB2	2,388	42.26	87.35	2.066966398	0
ARSD	6,319	1.58	7.78	4.924050633	0
ARV1	1,445	0.89	9.03	10.14606742	0
ASB1	6,833	0.51	1.96	3.843137255	0
ASCIZ	4,866	2.64	6.40	2.424242424	0
ASF1B	1,731	1.60	20.15	12.59375	0
ASH2L	2.36	7.63	25.48	3.339449541	0
ASNA1	1.28	14.53	61.07	4.203028217	0
ASPM	10,434	0.37	1.83	4.945945946	0
ASPSCR1	1,843	4.30	9.87	2.295348837	3.59E-11
ASXL2	7,216	1.21	3.82	3.157024793	0
ATAD3A	2,611	2.46	8.52	3.463414634	0
ATF1	1,551	1.59	10.70	6.729559748	0
ATF5	2,008	5.27	13.26	2.516129032	0
ATG4C	1,901	0.47	4.12	8.765957447	0
ATG7	2,362	1.55	4.38	2.825806452	3.61E-09
ATIC	1.91	5.02	25.80	5.139442231	0
ATOX1	0.489	11.73	50.82	4.332480818	0

ATP10A	6,947	8.20	32.42	3.953658537	0
ATP10D	6.55	0.60	3.93	6.55	0
ATP13A1	3,483	12.56	29.53	2.35111465	0
ATP13A2	3.84	16.91	50.15	2.965700769	0
ATP1A1	4.27	13.41	39.26	2.927665921	0
ATP2B4	13,443	2.99	13.85	4.632107023	0
ATP2C1	6,082	3.51	7.61	2.168091168	0
ATP5B	2,509	122.64	315.05	2.568900848	0
ATP5D	1,088	39.56	90.74	2.293731041	0
ATP5G1	0.702	7.61	50.40	6.622864652	0
ATP5GP1	0.628	8.04	28.44	3.537313433	0
ATP5GP4	0.525	1.32	11.23	8.507575758	2.70E-12
ATP5H	0.622	22.11	89.65	4.054726368	0
ATP5J	3,357	7.11	19.20	2.700421941	0
ATP5J2	1,557	16.96	89.54	5.279481132	0
ATP5J2P2	0.428	38.14	100.77	2.642108023	0
ATP6AP1	2,099	21.26	57.47	2.703198495	0
ATP6AP2	2,037	9.42	21.17	2.247346072	0
ATP6V0E1	0.882	19.63	101.05	5.147733062	0
ATP6V1C1	5,761	1.01	2.86	2.831683168	3.50E-14
ATP6V1D	1,669	3.73	13.68	3.667560322	0
ATP6V1F	1,382	23.34	60.34	2.585261354	0
ATP8B2	6,568	6.67	19.11	2.865067466	0
ATP8B4	5,677	0.16	4.41	27.5625	0
ATP9A	7.58	0.81	2.54	3.135802469	0
ATPAF1	1,758	2.76	16.67	6.039855072	0
ATPBD1C	1,459	1.63	6.30	3.865030675	1.93E-11
ATPBD3	1,151	0.86	6.51	7.569767442	1.90E-14
ATRN	8.87	1.11	3.10	2.792792793	0
ATXN10	2,963	9.31	24.47	2.628356606	0
ATXN2	4,702	2.38	6.65	2.794117647	0
AURKA	2,817	0.18	4.09	22.72222222	0
AURKAIP1	0.752	25.78	93.87	3.641194725	0
AURKB	1,236	4.40	26.45	6.011363636	0
AVEN	1,531	1.29	6.27	4.860465116	4.10E-14
AXIN1	3,448	6.05	13.93	2.302479339	0
AYTL2	3,946	3.36	10.91	3.24702381	0

B3GALT6	2,774	1.64	15.64	9.536585366	0
B3GNT1	2.07	0.48	8.51	17.72916667	0
B4GALNT3	3,438	0.09	1.79	19.88888889	0
B4GALT2	2,313	2.69	13.66	5.078066914	0
B4GALT5	4,645	3.48	8.78	2.522988506	0
BACE1	5,983	0.96	7.33	7.635416667	0
BAD	1,197	8.27	20.90	2.527206771	0
BAHD1	4,517	3.41	12.59	3.692082111	0
BAIAP2	4,925	0.22	2.57	11.68181818	0
BANF1	1,152	6.53	72.83	11.15313936	0
BANK1	3,239	13.90	51.39	3.697122302	0
BAT2	20,793	0.20	0.84	4.2	0
BATF	0.939	1.48	7.44	5.027027027	9.35E-11
BAX	1,799	15.79	50.54	3.200759975	0
BAZ1A	6,016	3.56	12.22	3.43258427	0
BAZ1B	15.31	1.92	5.35	2.786458333	0
BCAM	3,203	1.82	4.37	2.401098901	9.48E-10
BCAP31	1,324	21.60	105.17	4.868981481	0
BCAR3	3,171	1.12	4.91	4.383928571	0
BCAS3	3,496	1.56	6.75	4.326923077	0
BCAS4	2,034	0.83	4.84	5.831325301	0
BCAT1	8,191	1.11	7.55	6.801801802	0
BCAT2	1.58	2.13	17.59	8.258215962	0
BCCIP	3,261	7.07	20.82	2.944837341	0
BCKDHA	1,764	10.66	28.13	2.638836773	0
BCKDHB	3,996	0.25	2.15	8.6	0
BCKDK	1.83	5.68	31.07	5.470070423	0
BCL2	7,205	0.84	9.15	10.89285714	0
BCL2L1	2,934	26.67	76.83	2.880764904	0
BCL2L13	3,367	2.03	13.86	6.827586207	0
BCL7C	1,136	15.50	37.90	2.44516129	0
BCL9	6,278	0.28	1.42	5.071428571	8.00E-14
BCL9L	7,536	3.40	14.07	4.138235294	0
BCOR	9,421	3.25	6.76	2.08	0
BCORL1	6.74	0.49	3.01	6.142857143	0
BCS1L	1,584	4.37	16.70	3.821510297	0
BDH1	3,689	0.72	3.95	5.486111111	0

BGN	2.38	0.37	3.93	10.62162162	0
BID	2,812	2.57	14.47	5.630350195	0
BIN1	3,161	10.30	21.58	2.095145631	0
BIRC5	4,871	0.84	5.38	6.404761905	0
BIVM	3,857	0.87	3.03	3.482758621	4.32E-13
BLK	2.59	4.44	26.83	6.042792793	0
BLM	4,417	0.60	2.16	3.6	1.90E-11
BLNK	1,816	9.42	68.79	7.302547771	0
BLOC1S1	0.1	159.29	422.86	2.654655032	0
BLVRB	0.797	5.71	29.39	5.147110333	0
BMI1	3,203	3.21	10.81	3.367601246	0
BMP4	2,383	0.00	12.34	12.34	0
BOLA1	0.808	2.57	10.11	3.93385214	1.90E-10
BOLA2	1,778	5.01	10.85	2.165668663	9.74E-11
BOLA2B	1,012	8.80	19.06	2.165909091	9.74E-11
BOLA3	0.812	2.92	16.39	5.613013699	0
BOP1	2,373	6.33	33.30	5.260663507	0
BPGM	5,956	0.52	1.54	2.961538462	1.02E-08
BPNT1	2,452	0.68	9.27	13.63235294	0
BRCA1	11,393	0.16	2.19	13.6875	0
BRCC3	2,914	1.15	3.21	2.791304348	1.22E-08
BRD3	3,069	4.38	11.19	2.554794521	0
BRD7	2,204	6.19	19.61	3.168012924	0
BRD8	4,913	5.08	12.81	2.521653543	0
BRDG1	1,506	10.51	22.94	2.182683159	0
BRE	2,709	2.81	10.63	3.782918149	0
BRI3BP	1,272	1.87	12.56	6.71657754	0
BRMS1	2,147	10.00	20.95	2.095	0
BRPF3	6,019	3.21	8.05	2.507788162	0
BSCL2	1,633	5.70	28.21	4.949122807	0
BSG	2,598	26.35	101.12	3.837571157	0
BST2	0.939	41.83	143.35	3.426966292	0
BTBD14B	4,491	7.87	21.83	2.773824651	0
BTBD2	2,618	22.82	56.18	2.461875548	0
BTK	3,014	15.20	43.19	2.841447368	0
BTN2A2	3,565	7.08	16.26	2.296610169	0
BTN3A2	3,812	5.58	34.09	6.109318996	0

BTN3A3	3,287	3.46	16.76	4.843930636	0
BTRC	6,121	2.33	5.01	2.150214592	1.00E-15
BUB1	3,482	0.85	7.69	9.047058824	0
BUB3	2,968	14.13	31.70	2.243453645	0
BUD13	2,193	4.11	11.64	2.832116788	0
BVES	5,583	0.11	1.44	13.09090909	0
BYSL	1.99	2.34	17.82	7.615384615	0
C10orf104	3,195	9.23	25.79	2.794149512	0
C10orf119	4,113	5.15	11.16	2.166990291	0
C10orf128	4,316	0.39	7.84	20.1025641	0
C10orf25	3,078	0.77	8.57	11.12987013	0
C10orf26	3,403	1.02	15.39	15.08823529	0
C10orf47	3,333	0.29	2.00	6.896551724	5.94E-13
C10orf54	4,981	27.89	56.48	2.025098602	0
C10orf56	4,933	0.16	2.30	14.375	0
C10orf57	2,036	0.59	9.02	15.28813559	0
C10orf61	3,629	1.53	9.36	6.117647059	0
C10orf72	4,606	1.68	9.59	5.708333333	0
C11orf10	0.408	63.05	149.48	2.370816812	0
C11orf17	1,962	2.87	12.71	4.428571429	0
C11orf24	2.05	1.69	8.83	5.224852071	0
C11orf48	1.32	4.95	25.45	5.141414141	0
C11orf49	3,314	1.19	4.20	3.529411765	1.00E-15
C11orf56	3,413	4.29	8.86	2.065268065	1.40E-14
C11orf60	1,819	2.34	7.36	3.145299145	5.05E-13
C11orf67	0.504	3.54	16.88	4.768361582	1.67E-12
C11orf68	1,557	8.39	29.11	3.469606675	0
C11orf73	1,102	1.70	12.99	7.641176471	0
C11orf79	1,209	14.81	32.67	2.205941931	0
C12orf10	1.2	18.14	41.63	2.294928335	0
C12orf24	1,486	0.93	6.24	6.709677419	0
C12orf32	1,862	2.92	13.21	4.523972603	0
C12orf52	1,775	1.89	17.23	9.116402116	0
C12orf57	0.829	104.67	394.65	3.770421324	0
C13orf1	3,053	0.26	3.26	12.53846154	0
C13orf3	2,888	0.20	3.38	16.9	0
C13orf34	2,773	1.07	3.13	2.925233645	2.53E-08

C14orf1	2,263	3.72	12.17	3.271505376	0
C14orf100	1,665	3.56	9.06	2.54494382	1.73E-11
C14orf101	4,264	0.65	2.85	4.384615385	0
C14orf104	1,748	0.96	4.38	4.5625	7.07E-11
C14orf112	0.68	11.93	24.65	2.066219614	9.74E-09
C14orf119	2.84	3.45	13.43	3.892753623	0
C14orf126	2,681	0.33	2.23	6.757575758	1.18E-11
C14orf130	3,994	3.37	10.38	3.080118694	0
C14orf135	2,653	0.60	5.69	9.483333333	0
C14orf142	1,156	0.43	6.34	14.74418605	0
C14orf147	2.62	1.82	5.11	2.807692308	2.23E-11
C14orf151	1,689	3.51	8.03	2.287749288	6.09E-09
C14orf153	2,491	1.43	4.53	3.167832168	2.33E-11
C14orf159	2,973	4.29	18.53	4.319347319	0
C14orf169	2,428	2.44	8.36	3.426229508	0
C14orf172	1,714	3.75	10.89	2.904	1.00E-15
C14orf173	3.82	10.83	23.06	2.129270545	0
C14orf94	1,599	14.23	31.61	2.221363317	0
C15orf17	2,288	3.29	15.65	4.756838906	0
C15orf23	1,054	1.13	8.15	7.212389381	0
C15orf29	2,666	0.60	2.81	4.683333333	6.84E-11
C15orf39	3,751	10.28	27.22	2.647859922	0
C15orf42	3,158	0.69	3.52	5.101449275	0
C16orf14	0.91	0.87	7.59	8.724137931	2.70E-14
C16orf24	0.858	2.20	9.42	4.281818182	7.93E-11
C16orf33	1,673	1.60	14.96	9.35	0
C16orf35	2,752	6.54	15.73	2.405198777	0
C16orf42	1,204	10.11	38.76	3.833827893	0
C16orf45	2,032	5.31	16.58	3.122410546	0
C16orf48	1,538	3.80	8.82	2.321052632	6.09E-09
C16orf5	2,755	1.48	26.21	17.70945946	0
C16orf53	1,143	3.03	14.15	4.669966997	0
C16orf57	2,254	1.76	25.19	14.3125	0
C16orf58	2.76	19.64	48.77	2.483197556	0
C16orf75	1,432	0.69	4.12	5.971014493	2.50E-10
C16orf80	1,292	14.63	35.53	2.428571429	0
C17orf25	1,792	5.14	16.21	3.153696498	0

C17orf37	0.754	20.86	69.60	3.336529243	0
C17orf38	2,264	1.62	6.46	3.987654321	0
C17orf39	4,232	0.79	3.56	4.506329114	0
C17orf60	1,331	6.17	31.68	5.13452188	0
C17orf61	0.448	32.68	72.01	2.203488372	0
C17orf62	4,395	13.96	53.58	3.838108883	0
C17orf70	3,821	4.35	9.98	2.294252874	0
C17orf80	2,127	1.48	5.82	3.932432432	1.00E-15
C17orf81	3,302	5.46	17.55	3.214285714	0
C18orf37	0.974	5.89	21.52	3.653650255	0
C18orf45	2,941	0.70	3.29	4.7	4.10E-14
C18orf51	2,053	0.00	15.67	15.67	0
C18orf55	1,319	2.33	7.03	3.017167382	4.62E-09
C19orf10	1,051	17.61	64.36	3.654741624	0
C19orf12	3,396	2.24	6.55	2.924107143	0
C19orf2	2,425	3.75	13.72	3.658666667	0
C19orf24	1,041	7.51	25.87	3.444740346	0
C19orf25	2,131	2.28	8.06	3.535087719	0
C19orf28	3,043	15.71	45.71	2.909611712	0
C19orf42	1,145	2.76	12.73	4.612318841	0
C19orf47	2,126	2.14	7.05	3.294392523	4.00E-15
C19orf48	1,811	17.04	45.17	2.650821596	0
C19orf49	0.804	4.80	13.62	2.8375	9.00E-10
C19orf53	0.568	52.96	160.91	3.038330816	0
C19orf54	1,736	3.08	8.57	2.782467532	2.47E-12
C19orf56	0.839	29.60	75.70	2.557432432	0
C19orf59	2,373	7.88	24.60	3.121827411	0
C1GALT1C1	1,838	0.92	4.21	4.576086957	4.40E-11
C1orf107	8,463	0.37	1.12	3.027027027	2.08E-09
C1orf109	2,355	0.54	3.76	6.962962963	0
C1orf123	1,085	6.83	29.66	4.342606149	0
C1orf131	1,435	1.45	6.16	4.248275862	7.85E-12
C1orf149	2,147	4.28	19.07	4.455607477	0
C1orf163	1,614	2.14	6.68	3.121495327	4.20E-11
C1orf164	3,439	13.84	29.16	2.106936416	0
C1orf19	1,925	6.89	15.01	2.178519594	1.00E-15
C1orf2	3.19	3.75	14.50	3.866666667	0

C1orf25	4,359	0.61	2.09	3.426229508	1.63E-10
C1orf57	0.902	6.80	29.68	4.364705882	0
C1orf59	1,867	1.54	8.57	5.564935065	0
C1orf66	2,243	1.24	6.46	5.209677419	0
C1orf75	2,475	0.32	4.50	14.0625	0
C1orf83	4,097	0.27	2.36	8.740740741	0
C1orf85	1,585	4.68	16.58	3.542735043	0
C1orf86	2,216	5.27	15.13	2.870967742	0
C1orf93	2,709	3.32	7.12	2.144578313	9.74E-11
C1QA	1,098	0.54	5.75	10.64814815	6.00E-14
C1QB	1,044	1.04	11.22	10.78846154	0
C1QBP	1,163	38.45	131.67	3.424447334	0
C1QC	1,139	0.26	6.59	25.34615385	0
C1R	1,096	3.80	16.29	4.286842105	0
C1RL	3,319	2.84	9.72	3.422535211	0
C1S	3,009	2.46	6.81	2.768292683	0
C20orf108	3,034	4.66	12.60	2.703862661	0
C20orf117	3.71	1.01	5.53	5.475247525	0
C20orf118	2,041	0.53	6.52	12.30188679	0
C20orf135	1,776	0.84	3.89	4.630952381	2.69E-10
C20orf20	1,603	2.90	15.92	5.489655172	0
C20orf27	1,376	45.37	322.99	7.11902138	0
C20orf29	1,832	1.89	9.52	5.037037037	0
C20orf3	2,221	10.51	37.54	3.571836346	0
C20orf30	2,508	4.58	31.20	6.812227074	0
C20orf39	2,437	0.52	8.43	16.21153846	0
C20orf44	3,974	1.67	5.40	3.233532934	0
C20orf52	0.477	32.15	79.46	2.471539658	0
C20orf55	1,748	4.70	59.03	12.55957447	0
C21orf33	2,201	16.10	50.25	3.121118012	0
C21orf51	1,193	1.24	5.65	4.556451613	6.94E-10
C21orf59	1,064	2.33	27.02	11.59656652	0
C21orf6	1,712	1.50	7.87	5.246666667	0
C21orf70	0.881	1.12	6.98	6.232142857	5.27E-11
C22orf15	2.02	0.98	4.59	4.683673469	1.78E-13
C22orf16	0.682	7.40	101.41	13.70405405	0
C22orf23	1,562	1.84	9.25	5.027173913	0

C22orf25	2,271	5.18	13.95	2.693050193	0
C22orf28	2,02	16.95	41.41	2.443067847	0
C22orf34	1,465	0.81	5.37	6.62962963	3.40E-14
C22orf9	6,417	1.36	17.86	13.13235294	0
C2orf17	2,614	18.25	38.64	2.117260274	0
C2orf28	1,964	9.47	30.11	3.179514256	0
C2orf42	2,524	0.98	3.81	3.887755102	5.08E-12
C2orf43	2,856	0.38	4.24	11.15789474	0
C2orf44	3,784	0.63	3.63	5.761904762	0
C2orf7	1,083	1.37	11.90	8.686131387	0
C3orf1	1,596	1.30	17.05	13.11538462	0
C3orf18	2,655	0.34	3.62	10.64705882	0
C3orf21	2,703	0.84	10.88	12.95238095	0
C3orf23	6,964	0.33	1.42	4.303030303	2.00E-13
C3orf26	1,198	3.72	14.49	3.89516129	0
C3orf54	1.04	12.27	41.06	3.346373268	0
C3orf60	2,829	4.72	27.30	5.783898305	0
C3orf63	7,125	2.11	5.78	2.739336493	0
C4orf16	2,817	0.95	2.96	3.115789474	1.52E-08
C4orf27	1,171	0.84	6.62	7.880952381	1.00E-15
C4orf34	1,669	1.00	4.39	4.39	1.11E-10
C5orf13	2,019	6.66	22.57	3.388888889	0
C5orf14	3,689	2.68	5.75	2.145522388	1.30E-11
C5orf21	4,178	1.28	3.22	2.515625	8.29E-10
C5orf3	2,886	1.20	4.38	3.65	1.90E-14
C5orf37	1,698	1.40	5.21	3.721428571	1.15E-10
C6orf108	1,161	2.56	12.26	4.7890625	0
C6orf115	1,213	7.01	24.58	3.506419401	0
C6orf125	0.506	2.93	43.78	14.94197952	0
C6orf129	0.607	1.96	10.83	5.525510204	7.80E-11
C6orf173	0.527	3.00	16.94	5.646666667	1.60E-14
C6orf185	1,183	0.00	17.09	17.09	0
C6orf203	0.899	1.98	10.78	5.444444444	2.00E-15
C6orf49	2,897	21.34	54.64	2.560449859	0
C6orf51	0.941	7.04	24.62	3.497159091	0
C6orf55	3,244	2.38	8.26	3.470588235	0
C7orf11	1,812	2.62	10.74	4.099236641	0

C7orf24	2.33	3.10	8.17	2.635483871	1.80E-14
C7orf26	3,819	4.12	14.36	3.485436893	0
C7orf28A	3,652	3.44	8.10	2.354651163	0
C7orf31	7,218	0.28	1.22	4.357142857	2.96E-12
C7orf48	2,778	2.42	8.09	3.342975207	0
C8orf13	4,071	0.04	2.54	63.5	0
C8orf30A	2,404	0.45	6.97	15.48888889	0
C8orf55	2,264	0.83	8.11	9.771084337	0
C8orf58	2,054	1.83	5.95	3.25136612	1.71E-12
C9orf105	1,448	4.65	16.17	3.477419355	0
C9orf114	1,856	2.72	18.52	6.808823529	0
C9orf119	0.981	1.21	13.39	11.0661157	0
C9orf123	2,487	3.14	14.90	4.74522293	0
C9orf127	2,109	0.99	4.23	4.272727273	4.97E-12
C9orf139	3,815	0.52	2.08	4	3.10E-10
C9orf140	3,648	0.19	2.12	11.15789474	0
C9orf142	0.812	10.72	27.80	2.593283582	0
C9orf167	4,071	1.53	3.87	2.529411765	1.44E-11
C9orf23	1,124	2.73	9.74	3.567765568	1.72E-12
C9orf25	3,594	2.12	11.95	5.636792453	0
C9orf37	1,388	4.28	10.10	2.359813084	2.70E-09
C9orf58	3.65	5.09	19.13	3.758349705	0
C9orf6	2,124	1.63	4.91	3.012269939	6.37E-10
C9orf75	2,109	1.59	6.07	3.817610063	1.00E-15
C9orf9	0.719	1.65	8.32	5.042424242	1.49E-09
CA1	1,264	3.68	48.45	13.16576087	0
CABLES2	3,777	0.39	6.71	17.20512821	0
CACYBP	3,535	3.13	10.41	3.325878594	0
CAD	7,108	1.85	13.30	7.189189189	0
CALD1	11,776	0.66	3.37	5.106060606	0
CALM1	10,777	55.45	125.16	2.25716862	0
CALM2	1,128	66.66	180.57	2.708820882	0
CALM3	2,259	43.71	210.24	4.809883322	0
CALR	2,253	117.42	724.09	6.166666667	0
CALU	6,634	1.08	7.37	6.824074074	0
CAMK1	1,483	1.80	29.88	16.6	0
CAMP	0.714	0.69	10.97	15.89855072	0

CANX	5,074	23.98	88.60	3.694745621	0
CAP1	2,923	42.14	92.56	2.196487897	0
CAPG	1,442	7.75	22.84	2.947096774	0
CAPN1	3,658	19.58	68.19	3.482635342	0
CAPN5	4,393	0.60	3.19	5.316666667	0
CAPNS1	1.49	108.30	324.79	2.998984303	0
CAPZB	4,771	30.63	133.90	4.371531179	0
CARD6	4,097	0.51	4.28	8.392156863	0
CARD8	5,063	5.16	18.49	3.583333333	0
CARM1	2,968	9.27	20.32	2.19201726	0
CARS2	1,843	7.14	19.75	2.766106443	0
CASC4	3,961	2.72	6.91	2.540441176	0
CASC5	8,693	0.29	1.35	4.655172414	0
CASKIN2	4,978	0.64	6.87	10.734375	0
CASP1	1,408	17.29	50.51	2.921341816	0
CASP8AP2	6,749	0.73	2.08	2.849315068	2.06E-12
CAT	2.56	21.49	99.51	4.630525826	0
CBARA1	2,363	7.87	17.29	2.196950445	0
CBFA2T2	8,061	1.41	2.94	2.085106383	4.11E-12
CBFA2T3	4,599	7.08	17.62	2.488700565	0
CBFB	5,581	4.01	10.94	2.728179551	0
CBL	11,227	2.36	5.99	2.538135593	0
CBR1	1,245	1.19	14.14	11.88235294	0
CBX2	5,016	0.79	5.56	7.037974684	0
CBX5	1,545	12.43	25.89	2.082864039	0
CBX6	5,164	10.38	25.84	2.489402697	0
CBX8	1,521	0.59	3.76	6.372881356	3.69E-10
CBY1	1,271	1.16	6.03	5.198275862	1.85E-12
CC2D1A	3,686	4.24	8.55	2.016509434	2.20E-14
CCDC101	1,141	5.29	14.76	2.790170132	7.70E-14
CCDC102A	2,429	0.90	4.27	4.744444444	4.00E-15
CCDC106	1,993	2.48	8.71	3.512096774	0
CCDC115	1,644	8.79	20.60	2.343572241	0
CCDC123	2,605	0.68	3.55	5.220588235	1.10E-14
CCDC124	1,038	20.40	50.32	2.466666667	0
CCDC125	7,233	0.38	1.29	3.394736842	1.58E-10
CCDC128	3,137	2.05	5.21	2.541463415	5.33E-12

CCDC21	3,935	1.48	5.01	3.385135135	0
CCDC25	3,586	2.21	6.70	3.031674208	0
CCDC26	1,721	0.75	6.60	8.8	0
CCDC28B	1,415	2.73	7.98	2.923076923	1.94E-10
CCDC32	1,705	6.38	16.60	2.601880878	0
CCDC34	3,051	1.07	5.41	5.056074766	0
CCDC51	1,506	0.39	5.26	13.48717949	0
CCDC53	0.857	3.81	11.01	2.88976378	8.30E-09
CCDC56	0.753	3.02	46.98	15.55629139	0
CCDC71	1,781	5.39	18.21	3.378478664	0
CCDC76	3,129	0.85	2.93	3.447058824	1.63E-10
CCDC85B	1,232	10.84	58.94	5.437269373	0
CCDC86	1,893	1.78	22.03	12.37640449	0
CCDC90A	1,229	2.33	8.09	3.472103004	1.70E-11
CCDC90B	1,578	2.13	13.82	6.488262911	0
CCDC91	2,335	1.06	4.11	3.877358491	7.89E-12
CCDC92	1,793	2.04	9.96	4.882352941	0
CCDC95	1,185	7.68	34.76	4.526041667	0
CCDC97	3,322	6.64	28.96	4.361445783	0
CCDC99	2,529	0.70	4.33	6.185714286	0
CCL17	0.615	360.36	961.66	2.668609169	0
CCL2	0.749	0.40	25.53	63.825	0
CCM2	4,612	3.56	10.23	2.873595506	0
CCNA2	1,676	1.07	10.55	9.859813084	0
CCNB1	2,093	1.65	19.40	11.75757576	0
CCNB2	1,513	3.14	18.21	5.799363057	0
CCND1	4,289	0.14	2.97	21.21428571	0
CCND2	6.48	29.26	91.18	3.11619959	0
CCND3	2,427	68.69	350.91	5.108603872	0
CCNF	4,238	0.33	8.17	24.75757576	0
CCT2	1,954	26.08	59.19	2.269555215	0
CCT3	2,211	34.68	146.49	4.224048443	0
CCT5	3,403	4.04	41.93	10.37871287	0
CCT7	1,892	30.54	135.66	4.442043222	0
CD164	2,993	13.85	77.46	5.592779783	0
CD19	1.95	134.40	272.83	2.029985119	0
CD209	4,267	0.16	3.35	20.9375	0

CD248	2,558	21.12	139.82	6.620265152	0
CD300A	1,889	3.56	8.29	2.328651685	5.84E-10
CD320	1.25	6.34	21.97	3.465299685	0
CD34	4,738	147.57	361.43	2.449210544	0
CD36	5,562	0.05	1.47	29.4	0
CD40	2,509	3.98	16.21	4.072864322	0
CD52	0.505	400.65	973.79	2.430525396	0
CD53	5,162	57.71	209.39	3.628313984	0
CD63	1,095	45.99	109.40	2.378777995	0
CD70	0.913	0.87	8.12	9.333333333	1.00E-15
CD74	2.2	3923.44	8588.40	2.18899741	0
CD79A	1,444	116.07	278.72	2.401309555	0
CD81	1,497	108.06	267.33	2.473903387	0
CD82	2,223	12.19	130.73	10.72436423	0
CD9	2,181	166.57	508.70	3.053971303	0
CD93	6,701	0.98	5.61	5.724489796	0
CD99L2	3,605	2.77	6.40	2.310469314	3.60E-14
CDC123	1,738	25.68	51.73	2.0144081	0
CDC2	1,227	2.26	11.33	5.013274336	0
CDC20	1,669	3.20	45.88	14.3375	0
CDC20P	1,621	1.46	11.12	7.616438356	0
CDC25A	3,706	0.64	2.23	3.484375	1.57E-09
CDC26	0.872	4.88	23.96	4.909836066	0
CDC45L	1.91	1.92	5.12	2.666666667	3.39E-08
CDC6	3,053	0.39	3.97	10.17948718	0
CDCA2	3,722	0.16	1.72	10.75	2.00E-14
CDCA3	1,119	0.71	9.79	13.78873239	0
CDCA4	2.9	2.15	9.09	4.227906977	0
CDCA5	2,485	4.22	11.93	2.827014218	0
CDCA7	2.81	1.58	10.76	6.810126582	0
CDCA8	2,303	2.28	14.15	6.206140351	0
CDGAP	6.32	0.16	1.16	7.25	5.60E-14
CDH5	4.09	1.98	10.56	5.333333333	0
CDIPT	2,079	16.99	42.46	2.499117128	0
CDK2	2.29	4.84	14.68	3.033057851	0
CDK2AP2	1,378	9.26	77.51	8.370410367	0
CDK4	1,443	8.29	62.52	7.541616405	0

CDK5	2,274	1.00	4.85	4.85	1.00E-15
CDKN2A	2,735	1.38	14.45	10.47101449	0
CDKN2B	7,485	0.44	1.99	4.522727273	0
CDKN3	0.836	0.71	10.98	15.46478873	0
CDT1	2,675	6.44	17.76	2.757763975	0
CEACAM1	5,452	0.33	1.66	5.03030303	8.80E-14
CEACAM6	2,528	0.94	16.26	17.29787234	0
CEBPA	2,385	1.99	14.06	7.065326633	0
CECR5	1.88	6.52	18.19	2.789877301	0
CEL	2.35	0.46	2.44	5.304347826	7.06E-10
CELSR2	10,534	0.74	2.22	3	0
CENPA	1,389	0.50	6.19	12.38	0
CENPB	2.84	13.55	56.00	4.132841328	0
CENPE	8,612	0.33	1.44	4.363636364	0
CENPF	10,296	0.92	8.57	9.315217391	0
CENPJ	4,345	0.41	2.60	6.341463415	0
CENPM	1.39	1.42	9.76	6.873239437	0
CENTA1	4,592	1.03	4.61	4.475728155	0
CENTD2	6,216	7.16	18.79	2.624301676	0
CENTG1	3,938	1.08	5.60	5.185185185	0
CEP250	8,348	2.63	8.07	3.068441065	0
CEP55	2,618	0.45	3.70	8.222222222	0
CEP63	2.77	1.93	6.96	3.606217617	0
CES2	4,033	3.49	11.34	3.249283668	0
CETN2	1.08	2.84	11.46	4.035211268	2.00E-15
CETN3	0.982	0.70	8.32	11.88571429	0
CFDP1	1,279	10.36	44.92	4.335907336	0
CFL1	1.26	178.40	604.96	3.39103139	0
CGI-09	2,311	1.32	5.54	4.196969697	0
CHAF1A	3,343	5.09	10.91	2.143418468	0
CHCHD3	3.19	3.88	9.21	2.37371134	0
CHCHD4	1,549	0.38	5.06	13.31578947	0
CHCHD6	0.946	2.20	8.46	3.845454545	4.69E-10
CHCHD7	3,318	2.75	16.38	5.956363636	0
CHCHD8	0.817	6.66	44.85	6.734234234	0
CHD1L	2,967	8.37	18.29	2.185185185	0
CHD4	6,497	17.38	55.72	3.20598389	0

CHEK2	1,987	0.60	5.22	8.7	0
CHERP	4,075	6.87	16.77	2.441048035	0
CHID1	2,736	5.46	19.27	3.529304029	0
CHM	5,442	0.69	2.00	2.898550725	6.85E-10
CHMP4A	1,505	8.48	27.81	3.279481132	0
CHMP6	1.61	2.83	14.18	5.010600707	0
CHMP7	3,386	2.89	7.94	2.747404844	0
CHRAC1	2,497	5.31	10.93	2.058380414	3.14E-13
CHRNA1	2.04	4.22	79.28	18.78672986	0
CHRNB4	2,448	1.25	13.84	11.072	0
CHRNE	2,463	2.09	6.30	3.014354067	3.00E-14
CHST10	2,815	1.69	5.47	3.236686391	3.00E-15
CHST11	1,656	11.06	40.85	3.693490054	0
CHST12	4,206	2.56	8.49	3.31640625	0
CHST7	3,186	3.29	6.97	2.118541033	9.31E-12
CIAPIN1	2,106	8.83	19.60	2.219705549	0
CIDEB	2,242	8.87	28.32	3.192784667	0
CINP	0.979	5.56	16.69	3.001798561	7.00E-15
CIRH1A	2,192	6.41	19.64	3.063962559	0
CISH	2,017	8.24	42.10	5.109223301	0
CIT	8,576	0.73	3.99	5.465753425	0
CITED4	1,291	7.89	34.84	4.415716096	0
CKAP2	3,626	3.55	10.41	2.932394366	0
CKAP2L	3,205	0.56	3.76	6.714285714	0
CKAP5	6,698	5.40	15.42	2.855555556	0
CKLF	1,313	5.57	72.17	12.95691203	0
CKS2	0.613	14.85	58.26	3.923232323	0
CLCN3	5,151	0.75	4.91	6.546666667	0
CLDN15	4,482	1.92	6.08	3.166666667	0
CLEC11A	1,407	124.04	477.04	3.845856175	0
CLEC14A	2,256	38.02	101.26	2.663335087	0
CLIP2	11.11	3.61	17.91	4.961218837	0
CLIP3	3,349	0.68	2.67	3.926470588	3.12E-11
CLK2	2,737	10.08	24.90	2.470238095	0
CLK2P	26,923	0.12	0.43	3.583333333	2.98E-13
CLN6	2,187	9.46	31.04	3.281183932	0
CLNS1A	1,366	13.18	37.19	2.821699545	0

CLPB	3,116	1.30	8.86	6.815384615	0
CLPP	1,151	21.31	56.35	2.644298451	0
CLPTM1	2,469	14.95	41.76	2.793311037	0
CLPTM1L	2,148	10.45	70.59	6.755023923	0
CLSTN1	6.93	33.41	83.83	2.509129003	0
CLTB	1,725	19.55	55.73	2.850639386	0
CLUAP1	3,219	0.71	4.11	5.788732394	0
CMAS	1,741	3.41	8.23	2.413489736	6.95E-10
CMBL	4,047	1.06	7.74	7.301886792	0
CMIP	4,382	7.39	18.40	2.48985115	0
CMTM2	1,063	1.58	39.56	25.03797468	0
CMTM3	2,563	17.33	71.45	4.122908252	0
CNDP2	2,949	13.85	57.81	4.17400722	0
CNNM3	4,916	3.02	7.86	2.602649007	0
CNOT10	2,741	2.75	9.81	3.567272727	0
CNOT3	2,855	10.33	31.93	3.090997096	0
CNP	5,222	5.71	19.32	3.383537653	0
CNR2	1,775	1.56	8.40	5.384615385	0
COBRA1	2,372	11.97	34.45	2.878028404	0
COG2	2,901	0.89	6.85	7.696629213	0
COG4	2,797	4.04	22.68	5.613861386	0
COG6	3,427	0.35	4.33	12.37142857	0
COG8	2,482	4.59	13.61	2.965141612	0
COL27A1	5,583	0.89	2.63	2.95505618	2.59E-13
COL6A3	10,658	3.97	24.47	6.16372796	0
COMMD10	1,427	1.73	5.97	3.450867052	1.48E-09
COMMD4	0.925	12.72	30.14	2.369496855	0
COMMD7	1,464	11.22	36.65	3.266488414	0
COMT	1,559	12.06	85.37	7.078772803	0
COP1	1,152	16.06	42.85	2.668119552	0
COPB2	3,062	13.02	26.68	2.049155146	0
COPE	2,371	40.10	143.89	3.588279302	0
COPG	3,074	18.34	38.75	2.112868048	0
COPG2	3,405	2.12	6.76	3.188679245	0
COPS4	1,748	5.55	14.36	2.587387387	0
COPS6	2,852	5.20	22.15	4.259615385	0
COPS7A	1,795	4.03	21.92	5.439205955	0

COPS7B	1,977	9.46	28.88	3.052854123	0
COPZ1	1,897	19.24	67.89	3.528586279	0
COQ2	1,538	0.77	5.42	7.038961039	2.00E-15
COQ5	1,496	4.23	19.43	4.593380615	0
COQ7	2,588	0.68	4.00	5.882352941	0
COQ9	1,616	2.20	23.35	10.61363636	0
CORO1A	3,645	57.19	166.70	2.914845253	0
CORO1B	2,012	14.35	46.43	3.23554007	0
COVA1	4,319	0.48	5.71	11.89583333	0
COX10	3	1.42	4.72	3.323943662	1.30E-14
COX11	2,703	1.29	5.01	3.88372093	0
COX15	5,706	1.04	4.67	4.490384615	0
COX17	0.423	6.08	30.27	4.978618421	0
COX4NB	1,911	4.56	10.18	2.23245614	2.78E-11
COX5A	0.644	44.40	145.32	3.272972973	0
COX5AP2	0.571	2.59	11.36	4.386100386	1.07E-09
COX6B1	0.558	96.81	243.19	2.512033881	0
CPNE1	2.89	24.37	75.33	3.091095609	0
CPNE2	3,932	25.86	111.35	4.305877804	0
CPNE5	3,339	0.29	2.42	8.344827586	0
CPOX	2,695	0.62	4.25	6.85483871	0
CPSF2	5,041	1.10	5.78	5.254545455	0
CPSF3	2,171	8.16	19.32	2.367647059	0
CPT1A	4,531	15.59	32.64	2.093649775	0
CPT2	3,092	1.40	5.83	4.164285714	0
CPVL	3,776	1.47	5.24	3.56462585	0
CPXM1	2.39	16.06	36.69	2.284557908	0
CRADD	1,422	20.66	63.11	3.054695063	0
CRAT	3,195	3.13	6.99	2.233226837	7.88E-13
CREB3	1,851	4.06	9.06	2.231527094	6.36E-10
CREB3L1	2,338	0.98	31.85	32.5	0
CREB3L4	1,747	3.29	17.22	5.234042553	0
CREBL1	5,238	8.20	30.03	3.662195122	0
CREBL2	3,748	0.92	4.25	4.619565217	0
CRELD1	2,991	3.17	10.87	3.429022082	0
CRELD2	3,624	19.71	45.44	2.305428716	0
CRLS1	1,155	1.80	6.64	3.688888889	2.84E-09

CRSP8	1,384	5.72	14.55	2.543706294	2.10E-14
CRTAP	6,622	10.07	26.78	2.65938431	0
CRTC1	3,216	2.37	7.33	3.092827004	0
CRYL1	1,528	3.82	13.17	3.447643979	0
CRYZ	1,887	1.73	6.12	3.537572254	6.67E-13
CSF1R	6,391	8.62	33.62	3.900232019	0
CSK	2,416	20.89	77.90	3.729056965	0
CSRP1	1,817	7.84	40.19	5.12627551	0
CSRP2BP	4,259	0.79	5.48	6.936708861	0
CSTB	0.658	28.12	229.28	8.153627312	0
CSTF2	2,017	2.01	5.89	2.930348259	7.11E-11
CSTF3	3,711	1.73	5.81	3.358381503	0
CTA-126B4.3	1,205	13.87	54.04	3.896178803	0
CTA-216E10.6	4,975	1.14	3.86	3.385964912	0
CTBP1	5.73	19.52	63.93	3.275102459	0
CTCF	3,787	8.88	27.45	3.091216216	0
CTDSP1	2.74	23.72	48.08	2.02698145	0
CTDSPL	4,455	10.77	38.20	3.546889508	0
CTF1	1,664	0.71	5.27	7.422535211	0
CTF8	3,538	3.78	37.50	9.920634921	0
CTHRC1	1.22	9.24	54.82	5.932900433	0
CTNNA1	3,761	19.42	39.02	2.009268795	0
CTNNBL1	1,888	9.28	24.89	2.682112069	0
CTNS	4,186	15.53	31.48	2.02704443	0
CTPS	2,756	11.09	44.41	4.004508566	0
CTR9	4,317	1.70	11.82	6.952941176	0
CTSA	1,814	7.80	43.28	5.548717949	0
CTSB	4,064	30.33	77.06	2.54071876	0
CTSC	7,619	1.20	25.94	21.61666667	0
CTSD	2.12	28.33	82.96	2.928344511	0
CTSG	0.924	5.67	14.50	2.557319224	4.74E-10
CTSO	2,933	1.58	6.66	4.215189873	0
CTSW	1,294	6.96	16.08	2.310344828	7.05E-13
CUEDC1	2,193	1.35	13.23	9.8	0
CUEDC2	1,122	22.31	50.90	2.281488122	0
CUL7	5,471	2.93	7.71	2.631399317	0
CUTA	2,871	11.34	30.84	2.71957672	0

CUTC	1,318	3.00	8.24	2.746666667	3.63E-09
CUTL2	6,841	0.06	1.84	30.666666667	0
CX3CR1	3,108	0.51	4.15	8.137254902	0
CXCR3	1,624	6.83	23.70	3.469985359	0
CXorf12	1,411	0.70	6.63	9.471428571	0
CXorf15	2,045	1.40	4.61	3.292857143	3.46E-10
CXorf21	1,808	5.36	23.11	4.311567164	0
CXorf34	3,325	2.23	5.14	2.304932735	8.98E-11
CXorf9	2,626	13.41	116.25	8.668903803	0
CXXC1	2,444	10.77	31.57	2.931290622	0
CXXC5	2,589	1.56	23.68	15.17948718	0
CYB561D2	1,204	3.54	10.08	2.847457627	8.59E-11
CYB5A	1,206	1.56	19.98	12.80769231	0
CYB5B	4,286	3.93	10.42	2.651399491	0
CYB5R1	1,643	6.27	13.69	2.183413078	1.71E-12
CYB5R3	2,209	39.14	100.52	2.568216658	0
CYBA	4,222	57.55	330.94	5.750477845	0
CYBASC3	2,959	9.13	31.69	3.470974808	0
CYBB	4,268	2.92	21.69	7.428082192	0
CYBRD1	4,236	0.98	3.44	3.510204082	1.00E-15
CYC1	1,171	17.40	56.40	3.24137931	0
CYHR1	1.19	4.57	15.50	3.391684902	0
CYP4V2	4,699	0.80	4.27	5.3375	0
CYSLTR1	1,514	2.68	13.92	5.194029851	0
CYTL1	1,001	9.39	51.50	5.48455804	0
D21S2056E	2,985	2.22	11.82	5.324324324	0
D4ST1	2,142	2.36	15.10	6.398305085	0
DAAM1	4,256	1.51	5.06	3.350993377	0
DAB2	3,257	2.40	10.10	4.208333333	0
DAB2IP	5,906	1.34	2.88	2.149253731	2.19E-09
DAD1	0.683	11.87	85.47	7.200505476	0
DALRD3	2,684	5.64	15.00	2.659574468	0
DAP	2.23	17.22	46.01	2.671893148	0
DARS	2,322	7.63	20.90	2.739187418	0
DARS2	3,187	0.71	4.78	6.732394366	0
DAZAP1	8.06	19.72	43.11	2.186105477	0
DBI	0.7	29.54	60.65	2.053148274	0

DBN1	3,615	4.41	51.08	11.58276644	0
DBNDD1	2,075	1.39	12.59	9.057553957	0
DBNDD2	4,302	1.77	6.13	3.463276836	0
DBNL	4,354	8.43	27.46	3.257413998	0
DBP	1,467	1.22	6.89	5.647540984	0
DC2	1.08	16.21	48.36	2.983343615	0
DCAKD	2.03	3.85	21.54	5.594805195	0
DCI	1,029	9.04	23.00	2.544247788	0
DCLRE1B	3,651	0.92	2.56	2.782608696	1.22E-08
DGP1B	2,092	0.85	6.60	7.764705882	0
DCPS	1,479	2.54	8.32	3.275590551	1.13E-12
DCTN1	5,011	11.25	41.23	3.664888889	0
DCUN1D5	1,249	5.07	11.80	2.327416174	1.48E-09
DCXR	0.829	6.68	29.64	4.437125749	0
DDEF2	5,711	1.19	3.99	3.352941176	0
DDOST	2,345	42.19	100.10	2.372600142	0
DDT	0.666	29.86	59.95	2.007702612	0
DDX1	2,706	5.38	21.54	4.003717472	0
DDX10	3,193	2.88	8.39	2.913194444	0
DDX18	3,765	4.68	10.77	2.301282051	0
DDX23	3,267	6.02	30.14	5.006644518	0
DDX31	3,786	1.12	3.71	3.3125	1.40E-14
DDX41	2,104	19.61	40.64	2.072412035	0
DDX49	1.82	13.92	32.90	2.363505747	0
DEAF1	2,716	16.14	52.98	3.282527881	0
DECR1	1,251	7.59	20.20	2.661396574	0
DEFA1	0.486	3.26	15.08	4.625766871	1.11E-10
DEFA4	0.542	6.21	24.86	4.003220612	0
DENND2D	2,042	2.23	12.25	5.493273543	0
DERA	1,528	4.53	11.52	2.543046358	9.57E-13
DERL3	5,753	1.12	2.98	2.660714286	3.06E-13
DFFA	4,732	1.48	8.27	5.587837838	0
DFFB	5,528	0.25	1.40	5.6	1.85E-12
DFNA5	4,436	1.74	42.21	24.25862069	0
DGCR2	4,418	4.50	14.81	3.291111111	0
DGCR6L	1,159	12.47	40.49	3.246992783	0
DGKZ	4,111	6.93	19.04	2.747474747	0

DGUOK	1,144	7.18	22.97	3.199164345	0
DHCR7	2,584	2.11	5.77	2.734597156	3.15E-12
DHFR	3,917	0.91	11.74	12.9010989	0
DHODH	3,132	0.53	3.84	7.245283019	0
DHPS	1,476	8.84	27.85	3.150452489	0
DHRS1	1.47	2.36	7.22	3.059322034	1.95E-10
DHRS13	1,908	1.04	9.41	9.048076923	0
DHRS4	1,278	5.42	20.30	3.745387454	0
DHRS4L2	1,269	3.28	10.75	3.277439024	7.10E-14
DHRSX	2,537	1.68	5.51	3.279761905	4.40E-14
DHTKD1	5,159	1.92	6.30	3.28125	0
DHX32	3.07	0.42	2.52	6	3.37E-13
DHX33	4,076	1.22	4.07	3.336065574	0
DHX34	5.17	0.92	5.04	5.47826087	0
DIMT1L	1,557	5.91	13.18	2.230118443	6.86E-12
DIS3L	3,658	1.43	7.44	5.202797203	0
DKC1	2,454	16.65	33.81	2.030630631	0
DKFZp434K1815	4,396	2.12	4.35	2.051886792	1.07E-09
DKFZp451A211	5.11	0.21	3.29	15.66666667	0
DKFZp667G2110	4,785	1.37	3.01	2.197080292	1.45E-08
DKFZp762E1312	3.05	2.18	6.27	2.876146789	0
DLAT	3.3	1.08	6.53	6.046296296	0
DLG4	3,984	5.94	12.77	2.14983165	0
DLG7	2,979	0.04	5.43	135.75	0
DLL3	2,644	0.00	10.22	10.22	0
DMAP1	2,143	12.79	27.84	2.176700547	0
DMWD	3,308	2.30	5.60	2.434782609	1.16E-12
DNAJA3	2,687	2.47	14.89	6.028340081	0
DNAJA4	3,175	2.77	9.34	3.371841155	0
DNAJA5	6,208	1.91	4.27	2.235602094	4.00E-15
DNAJC1	1,881	0.74	4.84	6.540540541	0
DNAJC11	3,197	4.43	10.72	2.41986456	0
DNAJC13	7,595	1.82	4.42	2.428571429	0
DNAJC8	1,479	23.21	63.51	2.736320551	0
DNAJC8P1	1,577	2.07	10.04	4.850241546	0
DNAL4	1,487	2.66	13.37	5.026315789	0
DNAPTP6	2,336	32.32	177.60	5.495049505	0

DNASE1	3,098	0.42	2.67	6.357142857	1.50E-14
DNMT1	5,408	7.76	20.22	2.605670103	0
DNMT3A	5,906	3.16	10.23	3.237341772	0
DNMT3B	4,778	1.14	2.84	2.49122807	7.12E-10
DNTT	2.61	115.31	538.74	4.672101292	0
DOCK10	4,274	2.76	5.89	2.134057971	4.20E-13
DOCK8	7,233	6.22	25.48	4.096463023	0
DOK1	1.89	2.35	17.16	7.30212766	0
DOK3	1,724	12.40	30.41	2.452419355	0
DOK4	2,689	3.64	33.74	9.269230769	0
DOLPP1	2,153	0.69	7.08	10.26086957	0
DPAGT1	2,937	1.69	16.89	9.99408284	0
DPF2	2,409	14.66	37.98	2.590723056	0
DPH2	2,497	2.45	13.90	5.673469388	0
DPM2	0.91	4.13	40.92	9.907990315	0
DPM3	0.831	7.50	19.97	2.662666667	5.59E-13
DPP3	2,692	4.37	18.50	4.233409611	0
DPP4	3.9	0.59	2.18	3.694915254	2.88E-10
DPP7	2,121	47.86	99.45	2.077935646	0
DPY19L1	9.73	0.35	1.45	4.142857143	0
DPYSL2	4.54	16.15	50.75	3.142414861	0
DRAP1	0.988	19.73	63.69	3.228079067	0
DRG1	1.45	13.44	27.02	2.010416667	0
DRG2	1,888	8.91	20.97	2.353535354	0
DSCR3	3,251	3.40	8.04	2.364705882	0
DSTN	2,312	1.97	10.96	5.563451777	0
DTX1	3,288	2.62	8.79	3.354961832	0
DTX2	5,538	0.37	2.56	6.918918919	0
DTX3	2,029	1.51	4.69	3.105960265	1.39E-09
DTYMK	1,053	3.76	22.16	5.893617021	0
DUSP14	1,455	3.13	12.10	3.865814696	0
DUSP16	3,566	1.16	3.64	3.137931034	5.96E-13
DUSP23	0.685	3.90	27.30	7	0
DUSP3	4.1	2.63	11.42	4.342205323	0
DUSP6	2.82	9.79	126.18	12.8886619	0
DUSP7	1,239	4.71	35.12	7.456475584	0
DVL2	3,016	7.31	20.05	2.742818057	0

DYNC112	2,602	5.48	17.22	3.142335766	0
DYNLL1	0.99	3.80	114.53	30.13947368	0
DYNLRB1	0.685	27.88	123.59	4.432926829	0
DYRK1B	2,767	2.76	9.31	3.373188406	0
DYRK4	1,845	2.95	7.12	2.413559322	4.06E-09
DZIP3	5,295	0.26	1.50	5.769230769	1.22E-13
E2F2	5,192	4.94	10.71	2.168016194	0
E2F4	2.1	18.23	39.15	2.147558969	0
E4F1	2,573	6.58	14.11	2.1443769	0
EARS2	3,841	1.34	4.47	3.335820896	0
EBNA1BP2	1,322	4.04	25.94	6.420792079	0
EBP	1,064	14.78	32.38	2.190798376	0
ECEL1	2,858	15.68	39.85	2.541454082	0
ECH1	1,263	17.71	103.51	5.844720497	0
ECHDC1	2,257	3.02	9.55	3.162251656	0
ECHS1	1,516	16.71	48.91	2.926989826	0
ECM1	1,819	245.19	717.13	2.924793018	0
ECOP	5.78	2.11	4.40	2.085308057	9.94E-13
EDARADD	3,017	5.80	19.37	3.339655172	0
EDC3	3,739	1.72	14.37	8.354651163	0
EDEM2	1,885	5.93	20.83	3.512647555	0
EDF1	1,146	78.82	277.51	3.520806902	0
EEF1B2	1,289	189.20	385.57	2.037896406	0
EEFSEC	2,216	2.14	9.20	4.299065421	0
EFHD2	2,365	25.02	75.12	3.002398082	0
EFNA3	1,782	0.55	3.83	6.963636364	2.04E-13
EFNB1	3,336	6.08	19.34	3.180921053	0
EFNB2	4,322	3.25	7.64	2.350769231	0
EFTUD1	3,562	0.28	4.21	15.03571429	0
EFTUD2	3,717	13.15	29.14	2.215969582	0
EGR1	3,136	4.17	10.61	2.544364508	0
EHBP1	5,032	0.92	2.83	3.076086957	7.80E-14
EHD3	3,583	4.06	16.90	4.162561576	0
EHD4	2,881	1.72	20.22	11.75581395	0
EID1	2,091	24.13	54.50	2.258599254	0
EIF2AK1	5,594	10.88	29.03	2.668198529	0
EIF2B2	1,539	5.65	13.41	2.373451327	1.73E-13

EIF2B3	1,659	1.61	14.37	8.925465839	0
EIF2C1	7,478	1.76	5.08	2.886363636	0
EIF2S1	4,165	3.35	10.44	3.11641791	0
EIF3S4	2.07	93.68	250.98	2.67912041	0
EIF4A1	2,602	47.75	140.27	2.937591623	0
EIF4A3	1,686	9.04	34.47	3.813053097	0
EIF4EBP1	0.844	8.09	45.41	5.613102596	0
EIF4ENIF1	3,521	3.17	9.07	2.861198738	0
EIF4G1	6,388	17.69	40.84	2.308648954	0
EIF4G2	4,886	57.63	123.93	2.150442478	0
EIF4G3	5,793	9.05	19.34	2.137016575	0
EIF5A	1,234	38.56	127.18	3.298236515	0
EIF5B	4,698	9.88	22.89	2.316801619	0
ELA2	0.924	9.31	19.05	2.046186896	3.83E-09
ELAC1	2,233	0.40	3.62	9.05	0
ELAC2	2,968	7.43	16.68	2.244952894	0
ELAVL1	6,058	4.36	15.47	3.548165138	0
ELK3	3,155	24.96	56.49	2.263221154	0
ELOF1	1,019	9.90	35.55	3.590909091	0
ELOVL1	1,483	18.82	62.77	3.335281615	0
ELOVL2	4,027	0.91	11.06	12.15384615	0
ELP3	3,074	1.71	8.61	5.035087719	0
ELP4	1,567	1.14	5.06	4.438596491	2.92E-11
EMG1	0.996	8.94	31.37	3.508948546	0
EMILIN1	3,431	1.35	18.27	13.53333333	0
EML2	2,248	2.60	11.58	4.453846154	0
EMP2	2,266	6.68	14.70	2.200598802	0
ENAH	13,172	0.55	3.25	5.909090909	0
ENDOD1	4,693	3.31	10.48	3.166163142	0
ENDOG	1,145	1.72	10.96	6.372093023	0
ENO1	2.05	135.61	605.74	4.466779736	0
ENO1P	1,825	13.71	53.45	3.89861415	0
ENOPH1	1,973	3.26	14.13	4.334355828	0
ENOSF1	1,778	3.67	8.63	2.351498638	4.09E-10
EPB42	2,696	0.29	2.72	9.379310345	0
EPDR1	5,198	0.08	1.34	16.75	0
EPHA2	3,946	0.03	5.93	197.6666667	0

EPHA4	6,348	1.22	6.13	5.024590164	0
EPHB3	4.22	0.84	4.35	5.178571429	0
EPR1	1,286	2.08	11.92	5.730769231	0
EPRS	5,015	7.02	17.68	2.518518519	0
EPS15L1	2,774	5.28	11.34	2.147727273	0
ERAF	0.506	1.37	21.14	15.43065693	0
ERAL1	1,825	8.46	28.15	3.327423168	0
ERBB2	5,279	4.74	18.45	3.892405063	0
ERCC1	1,583	15.44	46.24	2.994818653	0
ERCC2	2,355	3.74	14.52	3.882352941	0
ERGIC1	6,673	17.08	40.52	2.37236534	0
ERGIC3	1,856	81.56	172.97	2.120769985	0
ERP29	2,805	85.14	196.53	2.308315715	0
ESPL1	6,532	0.53	3.11	5.867924528	0
ETFA	1,402	7.69	33.29	4.3289987	0
ETHE1	0.963	13.77	33.15	2.407407407	0
EVC	6.43	0.36	1.42	3.944444444	1.25E-11
EVI5L	3,731	1.88	5.53	2.941489362	0
EVL	1,842	30.08	140.58	4.673537234	0
EXDL2	2,831	1.19	5.53	4.647058824	0
EXOC2	4,442	1.45	4.88	3.365517241	0
EXOC5	8,511	1.01	2.99	2.96039604	0
EXOC7	4.78	8.59	27.75	3.230500582	0
EXOSC1	1.15	6.88	16.26	2.363372093	5.09E-12
EXOSC2	1,979	4.05	10.38	2.562962963	9.00E-15
EXOSC4	0.895	4.53	21.84	4.821192053	0
EXOSC7	1,013	4.88	13.47	2.760245902	1.78E-11
EXOSC8	0.959	4.03	11.42	2.833746898	9.00E-10
EXT2	3,787	4.96	12.35	2.489919355	0
EXTL2	2,958	0.40	2.14	5.35	2.10E-10
EXTL3	6,172	0.72	5.00	6.944444444	0
F25965	0.9	0.88	7.21	8.193181818	4.24E-13
F2R	3,595	7.43	19.56	2.632570659	0
F2RL3	2,731	0.98	3.36	3.428571429	3.65E-10
FADS2	3,149	4.84	17.50	3.615702479	0
FAHD2A	1,298	5.56	11.94	2.147482014	5.66E-09
FAIM3	1.95	9.69	39.57	4.083591331	0

FAM101B	0.871	7.39	31.31	4.236806495	0
FAM112B	0.769	7.33	34.07	4.648021828	0
FAM117A	2,361	7.96	38.78	4.871859296	0
FAM118A	1.69	1.64	5.48	3.341463415	8.12E-10
FAM118B	1,645	0.84	7.48	8.904761905	0
FAM119B	5,127	0.85	2.52	2.964705882	7.39E-12
FAM120A	4,957	8.22	24.15	2.937956204	0
FAM120AOS	3,037	5.86	15.94	2.720136519	0
FAM125A	1,193	8.21	20.34	2.477466504	0
FAM127A	1.18	3.52	18.56	5.272727273	0
FAM129B	4,017	2.52	16.38	6.5	0
FAM20B	5,942	2.57	6.16	2.39688716	0
FAM33A	2,693	1.73	10.42	6.023121387	0
FAM40A	3,262	5.91	12.24	2.07106599	0
FAM48A	3,356	2.86	8.63	3.017482517	0
FAM50B	1,618	1.40	7.39	5.278571429	0
FAM54B	2,099	5.00	12.08	2.416	0
FAM55C	3,934	1.00	3.42	3.42	1.60E-14
FAM62A	4,174	11.33	36.75	3.243601059	0
FAM79A	2,428	3.71	11.17	3.010781671	0
FAM89B	1,412	4.83	29.89	6.188405797	0
FAM96B	1,063	12.57	61.03	4.855210819	0
FAM98A	2,745	2.77	6.42	2.317689531	2.44E-11
FAM98C	1,204	2.88	8.53	2.961805556	1.39E-09
FANCE	2,555	0.46	3.46	7.52173913	0
FANCF	3,309	0.90	2.80	3.111111111	2.29E-09
FARP1	5.74	4.52	10.42	2.305309735	0
FARS2	1,698	3.96	11.17	2.820707071	1.00E-15
FARSA	1,808	3.12	37.55	12.03525641	0
FARSB	3,118	3.43	11.05	3.221574344	0
FASTK	3,704	3.21	6.64	2.068535826	2.90E-12
FASTKD1	2,898	1.88	5.15	2.739361702	3.15E-12
FBXL15	2,344	2.87	6.72	2.341463415	3.01E-10
FBXL19	3,312	5.35	31.99	5.979439252	0
FBXO18	3,798	8.54	21.56	2.524590164	0
FBXO22	3,907	0.74	2.52	3.405405405	8.95E-11
FBXO41	7,121	1.58	4.52	2.860759494	0

FBXO46	3,003	2.93	8.05	2.747440273	0
FBXO5	2,064	1.82	6.00	3.296703297	7.44E-13
FBXO6	1.52	0.78	4.49	5.756410256	1.66E-11
FBXO9	5,762	2.69	5.43	2.018587361	1.70E-14
FBXW5	2,345	10.46	39.08	3.736137667	0
FBXW8	4,975	2.09	6.57	3.14354067	0
FBXW9	1,713	1.21	5.01	4.140495868	1.20E-11
FCGR2A	2,411	7.51	26.35	3.508655126	0
FCGR2B	1,888	1.20	27.08	22.56666667	0
FCGR2C	1.56	7.36	16.20	2.201086957	4.20E-14
FCGRT	2,148	81.71	242.22	2.964386244	0
FCHSD2	4,339	4.38	11.26	2.570776256	0
FDFT1	2,985	29.40	65.00	2.210884354	0
FDPS	1,684	15.22	40.40	2.654402102	0
FDXR	2,259	1.05	10.07	9.59047619	0
FECH	3,962	1.24	4.61	3.717741935	0
FEN1	2,249	5.90	18.54	3.142372881	0
FER1L3	6,808	0.12	1.38	11.5	0
FES	2,762	5.88	19.00	3.231292517	0
FEZ2	1,917	2.84	9.84	3.464788732	0
FGD2	3,044	3.38	7.39	2.186390533	1.71E-12
FGF6	0.744	1.60	16.20	10.125	0
FGFR1	9,532	22.02	50.02	2.271571299	0
FGFRL1	3,253	0.34	4.22	12.41176471	0
FH	1.79	6.91	17.65	2.554269175	0
FHL3	1,704	12.83	27.39	2.134840218	0
FIBP	1,584	11.74	36.37	3.097955707	0
FIZ1	2,651	1.75	7.18	4.102857143	0
FKBP15	4,588	6.11	13.86	2.268412439	0
FKBP1A	2.43	22.40	91.31	4.076339286	0
FKBP1C	16,372	0.28	0.93	3.321428571	1.00E-15
FKBP2	0.908	2.18	48.34	22.17431193	0
FKBP3	1,378	7.82	20.85	2.666240409	0
FKBP4	2,233	1.42	8.97	6.316901408	0
FKBP8	2,135	77.30	156.78	2.028201811	0
FKBP9	6,852	0.75	3.38	4.506666667	0
FKBPL	2,688	2.50	9.37	3.748	0

FKSG24	1,275	0.93	7.07	7.602150538	0
FLAD1	2,474	4.92	15.83	3.217479675	0
FLI1	4,325	15.33	45.57	2.97260274	0
FLJ10241	1,692	9.00	28.03	3.114444444	0
FLJ11151	2,845	0.91	4.38	4.813186813	0
FLJ11171	3,956	1.48	3.72	2.513513514	1.00E-10
FLJ11286	1,911	7.20	22.28	3.094444444	0
FLJ12886	1,587	2.37	13.35	5.632911392	0
FLJ12993	1,888	0.68	9.99	14.69117647	0
FLJ14668	1,787	4.98	11.74	2.357429719	1.29E-13
FLJ14803	6,712	0.78	1.87	2.397435897	6.19E-09
FLJ20035	6,015	0.29	1.52	5.24137931	1.80E-14
FLJ20254	2.7	2.05	21.50	10.48780488	0
FLJ20273	4,009	3.53	11.17	3.164305949	0
FLJ20489	1,927	10.42	23.30	2.236084453	0
FLJ20699	2,566	2.08	8.34	4.009615385	0
FLJ20920	2,157	5.55	13.74	2.475675676	0
FLJ21438	3,379	12.74	38.29	3.005494505	0
FLJ21767	3,804	1.27	7.55	5.94488189	0
FLJ21839	4,635	16.43	44.02	2.679245283	0
FLJ21908	2,258	2.32	5.59	2.409482759	6.19E-09
FLJ21986	10.55	0.13	0.65	5	5.14E-11
FLJ22662	1,934	1.48	5.10	3.445945946	2.62E-11
FLJ35220	2,815	0.52	2.34	4.5	6.56E-10
FLJ35348	5,179	1.41	6.05	4.290780142	0
FLJ36208	2,044	0.87	5.64	6.482758621	0
FLJ38482	2,225	0.53	3.75	7.075471698	0
FLJ38984	2,934	0.44	5.63	12.79545455	0
FLJ90757	2,088	0.57	10.98	19.26315789	0
FLNB	9,429	11.95	31.47	2.633472803	0
FLOT2	2,632	15.11	51.17	3.386499007	0
FMNL2	5,575	0.48	5.52	11.5	0
FMNL3	11,183	3.88	26.25	6.765463918	0
FNBP1	5,863	19.68	47.13	2.394817073	0
FOLR2	1,102	2.52	19.72	7.825396825	0
FOS	2,084	37.88	92.28	2.436114044	0
FOXM1	3,626	4.06	14.66	3.610837438	0

FOXP4	6,413	1.93	5.08	2.632124352	0
FOXRED1	1,951	4.16	12.87	3.09375	0
FOXRED2	3,932	0.68	8.89	13.07352941	0
FRAG1	1,952	6.19	13.81	2.231017771	3.00E-15
FRG2	2,084	0.19	2.87	15.10526316	9.00E-15
FRMD4A	6,815	0.18	2.37	13.16666667	0
FRS3	2,166	1.19	3.89	3.268907563	4.85E-09
FSCN1	5,554	7.78	44.15	5.674807198	0
FSTL4	5,382	0.55	2.38	4.327272727	0
FTH1	2,432	85.51	185.74	2.172143609	0
FTL	0.871	262.96	773.59	2.941854274	0
FTLL1	0.978	14.57	62.45	4.28620453	0
FTO	4,294	2.62	10.46	3.992366412	0
FTSJ1	2,211	4.92	11.85	2.408536585	0
FTSJ2	3,202	2.91	10.55	3.625429553	0
FTSJ3	2,984	7.19	20.95	2.913769124	0
FUCA1	2,031	7.64	47.82	6.259162304	0
FUK	3,907	1.32	3.47	2.628787879	1.28E-10
FUNDC2	2,964	6.78	15.52	2.289085546	0
FUS	6,656	54.53	142.49	2.613057033	0
FUT7	2,584	1.84	18.75	10.19021739	0
FUZ	1,621	3.24	8.68	2.679012346	2.56E-11
FXN	3,793	1.49	4.15	2.785234899	5.64E-13
FXR2	2,844	2.12	11.02	5.198113208	0
FXYD6	1,675	2.66	7.55	2.838345865	4.59E-11
FYN	5.31	26.90	114.19	4.244981413	0
FZD2	1,983	0.15	4.59	30.6	0
G3BP1	4,259	10.46	29.54	2.824091778	0
G6PC3	1,558	3.81	42.61	11.18372703	0
G6PD	2,631	12.11	39.76	3.283236994	0
GABARAPL2	1,002	18.46	42.88	2.322860238	0
GADD45GIP1	0.743	28.50	90.93	3.190526316	0
GALE	1,724	0.86	4.84	5.627906977	9.90E-14
GALK1	1,361	3.85	17.02	4.420779221	0
GALNAC4S-6ST	11,592	38.45	120.95	3.145643693	0
GALNS	2,373	1.71	7.32	4.280701754	0
GALNT1	3,771	8.24	23.21	2.816747573	0

GALNT10	5,657	0.98	3.13	3.193877551	0
GALNT11	5,146	0.46	1.85	4.02173913	1.26E-12
GALNT14	2,712	9.63	27.15	2.819314642	0
GALT	1,335	6.08	12.18	2.003289474	5.61E-08
GAMT	1,482	6.61	25.75	3.895612708	0
GANAB	4.91	29.46	103.72	3.520706042	0
GAPDH	1.31	585.01	1284.12	2.195039401	0
GART	4,274	1.41	13.93	9.879432624	0
GAS2L1	4,684	0.86	3.90	4.534883721	0
GAS6	3,179	14.84	55.07	3.710916442	0
GBA	2,888	3.05	13.65	4.475409836	0
GBA2	3,611	3.95	10.52	2.663291139	0
GBAP	4,648	0.77	2.28	2.961038961	5.86E-10
GBGT1	1,949	2.69	12.41	4.6133829	0
GBL	1.64	6.75	24.97	3.699259259	0
GBP5	2,792	11.48	28.70	2.5	0
GCAT	1,459	0.41	5.89	14.36585366	0
GCDH	2,092	3.69	11.35	3.075880759	0
GCET2	3,721	3.99	13.04	3.268170426	0
GCHFR	0.713	4.30	12.53	2.913953488	2.26E-08
GCLM	3,074	0.93	3.23	3.47311828	2.62E-11
GCNT1	5,518	0.52	3.60	6.923076923	0
GDF11	1,962	6.91	18.99	2.748191027	0
GDPD5	3,441	0.86	2.69	3.127906977	1.69E-09
GEMIN4	3,446	1.40	6.55	4.678571429	0
GEMIN5	4,527	0.59	6.28	10.6440678	0
GEMIN7	1,848	10.76	21.54	2.001858736	0
GGCX	3,159	1.28	5.68	4.4375	0
GGPS1	3,734	1.62	4.87	3.00617284	0
GGTLA1	2,405	7.40	30.20	4.081081081	0
GHDC	2.65	2.50	13.83	5.532	0
GIMAP4	3.93	11.66	32.99	2.829331046	0
GIMAP6	8,127	7.02	19.09	2.719373219	0
GIMAP7	2,458	3.22	7.47	2.319875776	1.35E-11
GIMAP8	7,886	0.59	3.11	5.271186441	0
GINS2	1,172	1.77	11.14	6.293785311	0
GIPC1	2,115	6.45	40.82	6.328682171	0

GIPC3	1,212	2.53	24.38	9.636363636	0
GIT1	3,726	11.26	30.43	2.702486679	0
GJC1	2,094	0.85	4.76	5.6	1.00E-15
GLB1	2,392	5.13	16.55	3.226120858	0
GLDC	3,764	0.68	4.81	7.073529412	0
GLDCP	3,766	0.24	2.37	9.875	0
GLI4	1,343	5.01	12.23	2.441117764	2.04E-11
GLIPR1	1,061	2.99	11.04	3.692307692	1.23E-13
GLOXD1	1,803	1.04	3.83	3.682692308	1.73E-08
GLRX	1,786	16.23	33.41	2.05853358	0
GLT25D1	3,593	13.16	44.24	3.361702128	0
GLT8D1	2,427	5.14	16.62	3.233463035	0
GM2A	2,511	3.55	19.49	5.490140845	0
GMPPA	1,885	3.41	12.87	3.774193548	0
GMPR2	2,824	10.54	27.44	2.60341556	0
GNA15	2,673	36.38	114.01	3.133864761	0
GNAI2	2.2	80.67	187.08	2.319077724	0
GNB1L	1,515	1.24	5.45	4.39516129	1.90E-11
GNG2	3,419	9.72	24.76	2.547325103	0
GNG5	0.701	19.06	44.82	2.351521511	0
GNG5ps	0.427	6.02	21.70	3.604651163	6.91E-11
GNL2	2,308	6.82	17.95	2.631964809	0
GNL3L	6,826	3.77	9.43	2.50132626	0
GNPAT	2,439	4.10	10.81	2.636585366	0
GNPDA1	2,267	0.48	10.59	22.0625	0
GNPNAT1	3,925	0.45	3.95	8.777777778	0
GNRHR2	6,257	1.25	4.46	3.568	0
GNS	5,114	2.38	8.69	3.651260504	0
GOLGA2	4.26	3.48	7.62	2.189655172	0
GOLGA3	9,252	4.07	8.83	2.16953317	0
GOLGA5	2,891	1.71	6.26	3.660818713	0
GOLGA7	2,105	7.43	21.17	2.849259758	0
GOLPH3L	3,127	1.04	7.38	7.096153846	0
GORASP2	2,499	18.53	42.57	2.29735564	0
GOSR2	6,049	1.72	6.85	3.98255814	0
GOT1	1,942	2.14	11.80	5.514018692	0
GPAA1	2,067	13.74	43.60	3.173216885	0

GPATCH4	2.1	2.17	21.26	9.797235023	0
GPD1L	3,915	1.21	3.47	2.867768595	3.66E-12
GPHN	4,302	0.94	2.61	2.776595745	5.57E-10
GPI	2,321	26.56	77.50	2.917921687	0
GPKOW	1,652	5.27	12.90	2.447817837	2.00E-14
GPM6B	4,093	0.27	2.92	10.81481481	0
GPR108	2,405	5.39	15.09	2.799628942	0
GPR124	5,649	1.21	10.66	8.809917355	0
GPR137	1,688	4.28	13.22	3.088785047	0
GPR171	1,786	0.55	4.48	8.145454545	0
GPR172A	1,937	1.17	18.79	16.05982906	0
GPR175	1,861	3.30	16.75	5.075757576	0
GPR56	5.98	8.95	31.03	3.467039106	0
GPR68	2,814	0.45	4.07	9.044444444	0
GPR92	2,845	2.47	9.68	3.91902834	0
GPRIN1	4,208	0.66	3.76	5.696969697	0
GPS1	2,738	14.96	31.32	2.093582888	0
GPSM2	2,788	1.17	3.30	2.820512821	2.62E-08
GPSN2	1,163	21.27	89.67	4.215796897	0
GPX1	2,007	96.22	242.30	2.518187487	0
GPX4	1,528	70.96	172.94	2.437147689	0
GPX7	1,227	9.43	33.43	3.545068929	0
GRAMD1A	2.64	36.12	135.74	3.758028793	0
GRB2	3,468	21.14	47.51	2.247398297	0
GRHPR	1,235	8.01	19.58	2.444444444	0
GRID2IP	57,639	0.20	0.55	2.75	0
GRIN2C	4,268	1.00	2.52	2.52	3.16E-08
GRINA	2.11	18.19	49.66	2.730071468	0
GRK6	4,115	7.36	21.49	2.919836957	0
GRLF1	8,244	2.74	7.74	2.824817518	0
GRN	2,551	27.34	104.51	3.822604243	0
GRPEL1	1,504	3.35	13.33	3.979104478	0
GRSF1	2,839	8.29	16.89	2.037394451	0
GRWD1	2,414	3.44	20.13	5.851744186	0
GSDMDC1	2,027	25.23	66.44	2.633372969	0
GSK3A	2,179	7.67	49.52	6.456323338	0
GSR	2,262	6.47	17.31	2.675425039	0

GSS	1.9	9.47	26.73	2.822597677	0
GSTK1	2	20.34	40.73	2.00245821	0
GSTM1	1,161	9.63	23.00	2.388369678	0
GSTO1	0.785	22.31	53.87	2.414612281	0
GSTO3P1	0.79	2.63	9.70	3.688212928	2.84E-09
GSTP1	0.942	104.71	419.69	4.008117658	0
GTF2A1	1,922	0.83	3.72	4.481927711	2.93E-10
GTF2A2	0.735	14.54	31.17	2.143741403	3.17E-12
GTF2E2	1.53	5.17	13.38	2.588007737	5.00E-15
GTF2H1	3,175	1.34	8.51	6.350746269	0
GTF2H5	0.449	2.20	24.57	11.16818182	0
GTPBP5	3,085	2.72	6.22	2.286764706	7.42E-12
GTSE1	4,478	0.53	6.49	12.24528302	0
GUCY1A3	2,992	1.85	4.50	2.432432432	1.43E-09
GUSBL2	2,624	0.90	3.24	3.6	2.88E-10
GVIN1	8.82	0.12	1.57	13.08333333	0
GYS1	3,557	4.01	20.32	5.067331671	0
GZMA	0.878	3.95	37.99	9.617721519	0
H2AFV	4,406	5.59	14.88	2.661896243	0
H2AFX	1,594	5.47	53.96	9.864716636	0
H2AFY	17,759	61.12	260.08	4.255235602	0
H6PD	9,117	2.29	6.60	2.88209607	0
HACE1	4.54	0.59	2.01	3.406779661	3.65E-10
HADH	1,912	6.99	28.06	4.014306152	0
HAGH	2,266	2.19	9.36	4.273972603	0
HAT1	1,828	5.25	12.99	2.474285714	0
HAX1	1,294	13.69	46.29	3.381300219	0
HBD	0.774	4.86	41.25	8.487654321	0
HBG1	0.584	19.14	75.58	3.948798328	0
HBG2	0.583	37.34	156.04	4.178896626	0
HBM	0.51	4.46	30.39	6.813901345	0
HCFC1	7,711	9.68	22.88	2.363636364	0
HCFC1R1	1,133	9.43	24.31	2.577942736	0
hCG_1641229	1,748	13.13	66.21	5.042650419	0
hCG_1773937	0.644	20.43	54.66	2.675477239	0
hCG_1776980	1,212	2.04	13.27	6.504901961	0
hCG_1983058	0.779	51.18	126.19	2.465611567	0

hCG_2028557	1.93	3.80	10.44	2.747368421	0
hCG_32481	3,633	2.21	9.44	4.271493213	0
HCK	2,089	0.90	4.96	5.511111111	0
HCLS1	1,957	30.58	112.82	3.689339438	0
HCST	0.545	13.43	34.00	2.53164557	2.72E-13
HDAC1	2,091	12.21	80.09	6.559377559	0
HDAC2	1,964	11.79	34.22	2.902459712	0
HDAC3	1,934	7.87	23.00	2.92249047	0
HDAC8	1,714	2.08	5.80	2.788461538	8.57E-09
HDAC9	15,461	0.35	0.80	2.285714286	4.84E-08
HDDC2	1.36	4.36	23.34	5.353211009	0
HDDC3	1,047	2.74	21.40	7.810218978	0
HDGF	2,377	39.09	139.17	3.560245587	0
HDGF2	2,422	6.83	30.46	4.459736457	0
HDHD1A	2,098	0.85	3.41	4.011764706	2.98E-09
HDHD2	2,185	2.18	18.47	8.472477064	0
HDHD3	1,721	2.87	11.60	4.041811847	0
HDLBP	5,494	16.51	46.69	2.827983041	0
HEATR2	6,494	1.63	5.96	3.656441718	0
HEATR3	2,625	0.72	3.65	5.069444444	2.40E-14
HEBP1	1,187	7.08	18.38	2.596045198	0
HECTD3	3,407	6.71	16.25	2.421758569	0
HEMGN	2,296	0.26	3.45	13.26923077	0
HEMK1	5,862	2.33	5.76	2.472103004	0
HERC4	5,878	1.18	4.41	3.737288136	0
HERC6	4,954	1.46	3.18	2.178082192	4.92E-09
HEXDC	1,903	7.07	17.06	2.41301273	0
HEXIM2	1.33	1.41	6.27	4.446808511	1.18E-11
HHAT	3,594	1.02	2.86	2.803921569	3.61E-09
HHLA3	1,863	0.85	5.02	5.905882353	1.00E-15
HIBADH	3,956	0.65	5.36	8.246153846	0
HIBCH	2,326	0.47	4.31	9.170212766	0
HIP1	14,675	1.07	2.24	2.093457944	0
HIRIP3	2,344	3.38	17.32	5.124260355	0
HISPPD2A	7,708	1.72	4.05	2.354651163	0
HIST1H2AC	0.794	22.43	104.76	4.670530539	0
HIST1H2BD	0.907	6.65	57.11	8.587969925	0

HIST1H2BK	0.82	114.14	259.49	2.273436131	0
HIVEP3	8,544	1.44	3.70	2.569444444	0
HK1	4,528	3.54	10.10	2.853107345	0
HLA-A	3,128	130.57	286.63	2.195220954	0
HLA-DOA	10,455	2.28	7.22	3.166666667	0
HLA-DOB	2,644	7.30	21.57	2.954794521	0
HLA-DPA1	3,471	3.33	8.64	2.594594595	0
HLA-DQA1	5.26	24.30	74.89	3.081893004	0
HLA-DRA	3,756	20.70	46.65	2.253623188	0
HLA-DRB5	1,385	322.60	1028.17	3.187135772	0
HM13	4,009	9.13	31.85	3.488499452	0
HMBS	1,655	0.77	10.18	13.22077922	0
HMG20A	3,885	3.85	8.57	2.225974026	0
HMG20B	1,796	23.46	50.63	2.158141517	0
HMGA1	2,618	38.24	125.91	3.292625523	0
HMGA1L2	1,397	2.83	8.87	3.134275618	3.29E-12
HMGA1L3	1,814	2.73	8.83	3.234432234	1.00E-15
HMGCL	1,608	2.77	12.68	4.577617329	0
HMGCR	4,475	2.61	5.86	2.245210728	5.00E-15
HMGN1	1,918	25.12	56.00	2.229299363	0
HMGN2	1.52	27.54	65.39	2.374364561	0
HMGN4	1,969	7.99	21.52	2.693366708	0
HMMR	2,988	0.13	4.60	35.38461538	0
HMOX2	1,626	2.61	19.74	7.563218391	0
HN1	3,463	2.03	15.33	7.551724138	0
HN1L	3,683	0.89	12.92	14.51685393	0
HNRPA2B1	8,391	62.95	212.70	3.378872121	0
HNRPAB	1,816	11.98	75.35	6.289649416	0
HNRPC	3,229	47.03	171.00	3.635977036	0
HNRPCL1	1,108	3.22	12.32	3.826086957	0
HNRPCP	1,613	1.47	4.96	3.37414966	5.55E-09
HNRPF	2,591	43.46	115.77	2.663828808	0
HNRPL	5,205	57.37	120.93	2.107896113	0
HNRPM	5,347	44.92	99.98	2.225734639	0
HNRPU	8,227	30.86	77.63	2.515554115	0
HNRPUL2	5,222	21.46	61.58	2.869524697	0
HNRPUP	0.651	47.42	106.49	2.24567693	0

HOMER3	1,517	0.39	8.05	20.64102564	0
HOMEZ	3,665	0.19	4.21	22.15789474	0
HOOK2	2,513	1.69	5.13	3.035502959	1.84E-12
HP	1,433	2.21	7.41	3.352941176	2.09E-11
HP1BP3	2,092	10.92	47.70	4.368131868	0
HPCAL1	2,834	21.40	58.16	2.717757009	0
HPS3	4,451	0.43	2.14	4.976744186	2.40E-14
HPS5	5,115	1.30	2.72	2.092307692	1.08E-07
HRAS	1,251	3.16	9.56	3.025316456	2.42E-11
HS1BP3	2,403	1.52	4.14	2.723684211	8.57E-09
HS2ST1	6,714	0.87	3.20	3.67816092	0
HS6ST1	2,055	2.32	5.99	2.581896552	1.30E-09
HSBP1	1,891	5.23	14.88	2.845124283	0
HSD17B1	2.23	1.47	6.00	4.081632653	0
HSD17B10	1,045	18.09	47.40	2.620232172	0
HSD17B12	2,383	4.07	13.29	3.265356265	0
HSD17B4	2,594	1.79	17.96	10.03351955	0
HSDL2	3.21	1.48	9.50	6.418918919	0
HSH2D	2,367	7.61	23.70	3.114323259	0
HSP90AA1	4,418	63.44	186.89	2.945933165	0
HSP90AA2	3,218	12.33	33.74	2.736415247	0
HSP90AA4P	2,287	1.51	4.53	3	3.15E-10
HSP90AB1	2,538	145.13	501.34	3.454420175	0
HSP90AB2P	1,277	7.59	21.37	2.815546772	0
HSP90AB3P	2,546	16.21	44.83	2.765576804	0
HSP90B1	2.78	33.81	178.38	5.27595386	0
HSP90B2P	2,083	5.46	24.11	4.415750916	0
HSP90B3P	10.13	0.23	1.33	5.782608696	0
HSPA12B	3,109	6.59	55.92	8.485584219	0
HSPA2	2,464	0.60	5.06	8.433333333	0
HSPA5	3,908	46.81	138.21	2.952574236	0
HSPA8	2.42	90.52	396.75	4.38300928	0
HSPB1	1,694	80.01	358.58	4.481689789	0
HSPBP1	1,769	4.70	16.38	3.485106383	0
HSPC152	0.583	51.93	222.37	4.282110533	0
HSPC268	2,024	2.54	6.87	2.704724409	2.92E-11
HSPD1	2,436	13.77	56.99	4.138707335	0

HSPE1	0.538	5.70	35.23	6.180701754	0
HSPG2	14,288	1.56	3.31	2.121794872	0
HSPH1	3,668	3.83	17.43	4.550913838	0
HTATIP2	1,418	1.74	8.91	5.120689655	0
HTATSF1	2,759	7.24	17.00	2.348066298	0
HTRA2	2.55	9.63	21.14	2.195223261	0
HTRA3	2,537	8.69	38.25	4.401611047	0
HTRA4	1,764	1.63	6.28	3.852760736	2.04E-13
HYAL2	1.95	0.30	8.21	27.36666667	0
HYLS1	1.81	0.54	4.38	8.111111111	0
HYOU1	4,556	3.48	36.20	10.40229885	0
HYPK	1,349	12.03	36.78	3.057356608	0
IARS2	3,549	6.13	14.91	2.432300163	0
IBRDC3	1,987	7.02	19.84	2.826210826	0
ICAM1	2,984	2.98	6.44	2.161073826	8.37E-11
ICAM4	3,023	0.72	4.98	6.916666667	0
ICK	6,403	0.88	2.21	2.511363636	2.73E-10
ICMT	4,815	0.64	12.32	19.25	0
ICT1	0.879	3.16	10.73	3.39556962	2.26E-10
IDH1	2,329	2.13	5.82	2.732394366	3.73E-11
IDH3A	2,665	1.78	10.62	5.966292135	0
IDH3G	1,981	18.33	38.48	2.09929078	0
IER5	2,337	18.42	61.38	3.332247557	0
IFI16	3.85	37.70	100.06	2.654111406	0
IFI30	1,032	15.82	164.48	10.39696587	0
IFI35	1,164	6.37	37.05	5.816326531	0
IFI6	1,012	5.18	22.05	4.256756757	0
IFITM1	0.855	155.41	394.38	2.537674538	0
IFITM2	0.904	141.95	553.50	3.899260303	0
IFITM3	0.808	190.65	676.60	3.548911618	0
IFNAR1	6,095	1.53	5.50	3.594771242	0
IFRD2	2,045	3.48	22.32	6.413793103	0
IGFBP4	2,236	28.18	126.28	4.481192335	0
IGFBP7	1.11	15.07	105.02	6.96881221	0
IGHA1	1,061	24.25	97.89	4.036701031	0
IGHA2	1,019	2.52	8.84	3.507936508	3.82E-10
IGHG1	0.992	11.47	35.92	3.131647777	0

IGHG3	1,663	8.80	41.54	4.720454545	0
IGHGP	3,089	1.47	6.35	4.319727891	0
IGJ	1,056	118.05	1061.99	8.996103346	0
IGKC	0.323	83.32	200.29	2.403864618	0
IGLC1	0.318	9.95	29.40	2.954773869	6.20E-09
IGLC2	0.318	11.82	65.17	5.513536379	0
IGLL1	1,362	3.05	34.26	11.23278689	0
IGSF8	2.28	2.39	12.56	5.255230126	0
IK	1,784	28.62	65.54	2.290006988	0
IKBKAP	5,902	2.43	5.28	2.172839506	0
IKBKB	3,916	5.40	13.01	2.409259259	0
IKBKE	3,263	0.73	2.91	3.98630137	5.01E-12
IKIP	4,796	0.86	5.02	5.837209302	0
IKZF3	2,437	2.12	11.91	5.617924528	0
IKZF4	4,396	1.08	4.00	3.703703704	0
IL10RB	1,935	4.96	12.84	2.588709677	0
IL16	14.09	3.32	10.02	3.018072289	0
IL17RE	5,878	0.54	2.65	4.907407407	0
IL18BP	2,452	2.75	23.22	8.443636364	0
IL1B	1,498	1.58	13.72	8.683544304	0
IL21R	3,584	2.12	11.17	5.268867925	0
IL27RA	3,258	1.52	6.82	4.486842105	0
IL28RA	8,959	0.06	0.87	14.5	0
IL2RA	2,306	1.63	22.54	13.82822086	0
IL2RG	1,451	21.21	218.05	10.28052805	0
IL4R	3,862	9.48	42.88	4.523206751	0
IL6R	6,755	0.12	4.01	33.41666667	0
ILK	2.14	9.80	35.55	3.62755102	0
ILVBL	2,786	8.06	19.05	2.363523573	0
IMMT	2,697	8.55	30.57	3.575438596	0
IMP3	1.16	10.15	41.25	4.064039409	0
IMPA2	1.5	0.60	3.88	6.466666667	1.26E-10
IMPACT	3,683	1.56	5.03	3.224358974	0
IMPDH1	7,392	3.31	6.93	2.093655589	0
IMPDH2	2,396	57.11	198.64	3.478199965	0
INCENP	3,521	1.43	10.98	7.678321678	0
ING1	5,121	1.72	3.60	2.093023256	1.30E-09

ING2	1,116	0.98	7.33	7.479591837	1.00E-15
ING4	1,699	4.13	21.52	5.210653753	0
INPP4A	3,475	1.31	3.58	2.732824427	2.69E-10
INPP4B	2,936	2.02	15.26	7.554455446	0
INTS3	4,482	17.77	56.60	3.1851435	0
INTS5	3,285	4.91	13.36	2.720977597	0
INTS6	9,389	0.74	2.72	3.675675676	0
INTS7	3,462	1.08	3.14	2.907407407	3.51E-10
INTS8	3,373	3.23	9.97	3.086687307	0
IPO11	4,866	3.90	8.67	2.223076923	0
IPO13	3,593	1.81	10.41	5.751381215	0
IPO7	3,754	5.56	21.68	3.899280576	0
IPO8	5,156	2.19	6.96	3.178082192	0
IPO9	3,126	3.42	10.75	3.143274854	0
IQCG	2,244	0.61	4.38	7.180327869	0
IQGAP2	5,767	2.04	6.08	2.980392157	0
IQWD1	3,293	3.06	6.85	2.238562092	4.14E-13
IRAK1	3,872	14.92	37.16	2.490616622	0
IRF2	2,224	5.65	31.33	5.545132743	0
IRF2BP1	2,511	2.68	16.60	6.194029851	0
IRF2BP2	3.35	36.24	77.15	2.128863135	0
IRF7	2.59	2.98	16.39	5.5	0
IRF8	3,997	44.24	125.94	2.846745027	0
IRX3	2,308	0.00	12.55	12.55	0
ISCU	1,198	16.27	36.43	2.23909035	0
ISG15	0.634	4.21	19.93	4.733966746	0
ISG20L2	2,051	4.15	8.42	2.028915663	1.23E-08
ISLR	2,385	0.20	17.27	86.35	0
ISOC1	2,054	0.24	4.10	17.08333333	0
ISOC2	1,122	1.94	21.24	10.94845361	0
ITFG1	2,234	4.12	12.25	2.973300971	0
ITFG2	2,155	5.37	14.19	2.642458101	0
ITFG3	2,921	5.08	18.29	3.600393701	0
ITGA11	6,334	0.12	1.44	12	0
ITGA6	12,095	62.05	168.62	2.717485898	0
ITGB1BP1	1,423	5.70	16.75	2.938596491	0
ITGB2	2,868	26.39	84.32	3.195149678	0

ITGB4BP	2,074	17.51	46.95	2.681324957	0
ITGB7	2,771	9.82	46.24	4.708757637	0
ITM2C	2,073	5.20	67.82	13.04230769	0
ITPA	1.14	9.38	23.28	2.481876333	0
ITPKC	3,385	0.47	3.24	6.893617021	0
ITSN1	7,951	0.50	1.81	3.62	1.00E-15
IVD	2.49	6.32	12.77	2.02056962	1.40E-14
JAG2	5,077	0.39	1.71	4.384615385	4.72E-12
JAGN1	1,655	7.06	19.85	2.811614731	0
JOSD2	0.769	2.32	10.30	4.439655172	2.92E-11
JPH2	5,941	0.10	1.21	12.1	0
JPH4	4,386	3.05	6.63	2.173770492	1.00E-15
JRKL	2,914	0.44	2.63	5.977272727	3.37E-13
JTV1	2,438	2.80	8.87	3.167857143	0
KARS	1,997	33.68	68.37	2.029988124	0
KATNB1	2,646	4.83	12.00	2.48447205	0
KCNA5	2,865	9.19	38.52	4.191512514	0
KCNAB2	3,171	9.42	19.71	2.092356688	0
KCNK12	1,425	7.15	46.59	6.516083916	0
KCNMB1	1,517	0.59	5.11	8.661016949	1.00E-15
KCNN3	3,228	0.68	12.68	18.64705882	0
KCNN4	2.24	2.04	11.43	5.602941176	0
KCTD5	2.46	4.90	21.78	4.444897959	0
KDELR1	1,557	28.21	73.79	2.6157391	0
KDELR2	2,306	5.10	24.73	4.849019608	0
KDELR3	2,127	0.19	4.63	24.36842105	0
KEAP1	2,701	4.91	28.60	5.824847251	0
KHDRBS3	1,957	6.77	67.11	9.912850812	0
KHSRP	4,002	25.41	61.69	2.427784337	0
KIAA0020	2,112	3.84	8.62	2.244791667	7.02E-11
KIAA0090	4,238	3.22	10.32	3.204968944	0
KIAA0100	7,431	11.26	35.04	3.111900533	0
KIAA0101	2,586	1.08	3.85	3.564814815	1.70E-11
KIAA0133	5,613	0.61	2.18	3.573770492	4.80E-14
KIAA0146	3.22	2.18	7.04	3.229357798	0
KIAA0152	6,349	4.28	20.55	4.801401869	0
KIAA0179	5,087	2.65	11.01	4.154716981	0

KIAA0240	6,515	1.11	2.98	2.684684685	4.00E-15
KIAA0274	3,061	0.68	3.42	5.029411765	1.00E-15
KIAA0329	8,607	0.36	1.12	3.111111111	9.28E-10
KIAA0350	7.02	2.51	6.42	2.557768924	0
KIAA0367	11,705	0.76	2.35	3.092105263	0
KIAA0406	3,914	1.52	7.51	4.940789474	0
KIAA0494	5,765	5.70	12.64	2.21754386	0
KIAA0513	7,361	0.43	3.60	8.372093023	0
KIAA0562	5,846	1.46	4.67	3.198630137	0
KIAA0586	4,966	0.76	3.17	4.171052632	0
KIAA0664	5,224	5.48	11.91	2.173357664	0
KIAA0746	4,383	1.54	85.68	55.63636364	0
KIAA0748	3,673	2.35	5.41	2.30212766	3.40E-12
KIAA0753	4,424	0.78	2.17	2.782051282	1.11E-08
KIAA0774	5,193	0.78	5.63	7.217948718	0
KIAA0828	10,669	2.02	4.15	2.054455446	0
KIAA0859	4,834	1.35	10.55	7.814814815	0
KIAA1191	2,786	4.48	14.06	3.138392857	0
KIAA1274	4,568	10.98	25.96	2.364298725	0
KIAA1303	6,856	3.93	17.11	4.353689567	0
KIAA1305	7,857	0.57	4.59	8.052631579	0
KIAA1430	2,895	1.06	4.69	4.424528302	0
KIAA1467	4,711	0.36	3.42	9.5	0
KIAA1539	3,028	2.12	4.90	2.311320755	1.06E-09
KIAA1576	3,769	0.05	2.69	53.8	0
KIAA1715	5,765	0.67	2.19	3.268656716	6.96E-13
KIAA1787	5,357	2.42	6.86	2.834710744	0
KIAA1794	4,569	3.16	9.23	2.920886076	0
KIAA1799	2,106	0.84	4.08	4.857142857	3.61E-13
KIAA1815	5,341	1.23	4.26	3.463414634	0
KIAA1840	7,788	3.56	7.37	2.070224719	0
KIAA1909	11,507	0.23	0.90	3.913043478	5.16E-13
KIAA2013	2,341	4.61	24.48	5.310195228	0
KIAA2026	4,673	1.84	3.82	2.076086957	2.12E-09
KIF11	4.91	1.25	6.60	5.28	0
KIF14	6,595	0.35	1.20	3.428571429	5.90E-09
KIF15	4,758	0.42	3.17	7.547619048	0

KIF1C	4,188	2.79	10.66	3.82078853	0
KIF20A	2,961	0.80	8.70	10.875	0
KIF22	2,096	6.98	19.81	2.838108883	0
KIF23	3,618	0.66	4.91	7.439393939	0
KIF26A	7,237	0.75	3.06	4.08	0
KIF2C	2,797	1.52	11.32	7.447368421	0
KIF3A	6,257	0.11	0.95	8.636363636	2.70E-12
KIF3C	5,379	2.03	11.18	5.507389163	0
KIF4A	4,348	0.28	4.03	14.39285714	0
KIFC1	4,708	1.11	11.40	10.27027027	0
KIRREL	3,309	1.73	6.40	3.699421965	0
KLC2	2,916	0.92	8.15	8.858695652	0
KLF16	2,887	8.12	21.51	2.649014778	0
KLHDC3	2,387	36.10	75.36	2.087534626	0
KLHL22	2,568	2.20	11.02	5.009090909	0
KLHL25	3,518	0.48	3.54	7.375	0
KLHL8	4,576	0.91	3.13	3.43956044	2.00E-15
KLK1	0.874	0.34	6.94	20.41176471	1.00E-15
KPTN	1.64	1.81	14.54	8.033149171	0
KRCC1	1,753	1.18	8.89	7.533898305	0
KRT27	1,612	1.16	5.33	4.594827586	1.02E-12
KRT8L2	1,689	0.36	3.49	9.694444444	5.56E-13
KRTCAP2	0.547	39.07	159.23	4.075505503	0
KTELC1	4,242	0.63	2.32	3.682539683	1.79E-11
KTN1	4,793	9.47	20.68	2.18373812	0
Kua	2,187	6.47	14.63	2.261205564	0
Kua-UEV	3,624	15.07	35.18	2.334439283	0
L3MBTL2	4.43	1.92	10.29	5.359375	0
LAGE3	0.943	4.41	22.60	5.124716553	0
LAMA3	10.68	1.62	8.58	5.296296296	0
LAMB1	11,659	0.44	1.89	4.295454545	0
LAMC1	7,931	0.81	8.13	10.03703704	0
LAP3	2.1	9.38	32.85	3.502132196	0
LAPTM4B	2,238	12.86	69.14	5.376360809	0
LARP1	7,458	8.57	30.24	3.528588098	0
LARP7	1,437	5.64	15.59	2.764184397	0
LARS	4,244	4.08	20.13	4.933823529	0

LARS2	4,203	2.28	6.99	3.065789474	0
LASP1	3,845	15.52	87.61	5.644974227	0
LASS2	2.43	20.35	67.39	3.311547912	0
LAT2	4.62	10.00	73.12	7.312	0
LBA1	10,815	3.42	7.35	2.149122807	0
LCK	2,019	2.45	19.65	8.020408163	0
LCP1	3,724	70.46	198.60	2.818620494	0
LCP2	2,422	10.62	29.91	2.816384181	0
LDB3	4,714	10.74	31.35	2.918994413	0
LDHA	1,661	64.09	160.71	2.507567483	0
LDHBP	1,004	18.33	40.44	2.206219313	0
LDLRAD2	4,012	1.26	4.94	3.920634921	0
LDLRAP1	2,845	8.31	28.72	3.456077016	0
LEO1	2,148	1.80	9.85	5.472222222	0
LETM1	3,908	2.31	9.57	4.142857143	0
LGALS3BP	2,258	22.48	47.00	2.090747331	0
LGALS9	1,696	20.36	61.09	3.000491159	0
LGICZ1	1,289	4.45	19.92	4.476404494	0
LGMN	2,138	16.01	58.98	3.683947533	0
LGMN2P	1,979	3.20	10.73	3.353125	0
LGR6	3.64	0.36	14.83	41.19444444	0
LIG1	3,083	4.04	8.30	2.054455446	1.77E-12
LIG3	3,856	2.69	7.16	2.661710037	0
LIMK1	6,664	1.04	3.55	3.413461538	0
LIMS1	1,531	0.65	3.79	5.830769231	7.06E-10
LIMS2	2,111	0.10	9.14	91.4	0
LIPA	2,624	6.52	27.03	4.145705521	0
LIPE	3,806	0.23	1.57	6.826086957	2.05E-11
LIX1L	1,401	4.31	14.56	3.378190255	0
LLGL1	4,225	1.76	5.92	3.363636364	0
LMAN2	1,581	28.60	100.04	3.497902098	0
LMAN2L	2,398	1.16	9.59	8.267241379	0
LMCD1	1,734	1.77	8.35	4.717514124	0
LMNB1	2,882	6.49	40.51	6.241910632	0
LMNB2	4,635	6.70	34.99	5.22238806	0
LMO6	1.99	1.15	5.55	4.826086957	0
LOC114984	0.878	0.79	19.38	24.53164557	0

LOC116143	2,244	0.18	2.82	15.66666667	1.00E-15
LOC116236	2,739	3.54	13.27	3.748587571	0
LOC124446	1,437	44.40	93.55	2.106981982	0
LOC124512	1,025	8.01	26.55	3.314606742	0
LOC125208	0.911	214.49	568.11	2.648654949	0
LOC127011	1,034	1.63	6.52	4	4.80E-09
LOC133308	2,427	1.23	3.99	3.243902439	2.94E-10
LOC134145	1,814	0.66	3.48	5.272727273	3.43E-10
LOC134505	0.656	6.79	19.14	2.818851252	6.72E-11
LOC134997	1,123	35.86	112.28	3.131065254	0
LOC143244	4,043	0.37	1.73	4.675675676	1.67E-10
LOC144097	1,961	2.83	23.16	8.183745583	0
LOC144383	0.667	5.04	13.76	2.73015873	4.97E-08
LOC145783	1,443	1.51	7.77	5.145695364	0
LOC145989	1,478	2.94	13.62	4.632653061	0
LOC146909	2,669	0.44	3.94	8.954545455	0
LOC150223	2,356	5.41	11.40	2.107208872	1.01E-13
LOC150383	2,841	0.31	2.73	8.806451613	0
LOC152594	1.7	3.26	7.78	2.386503067	4.88E-09
LOC152905	2,584	5.02	10.11	2.013944223	3.86E-12
LOC158345	13,198	3.57	8.17	2.288515406	0
LOC158714	2,855	2.60	7.64	2.938461538	0
LOC162427	3,759	7.15	17.70	2.475524476	0
LOC197322	3,555	2.04	9.83	4.818627451	0
LOC202051	1,016	0.68	6.53	9.602941176	5.50E-14
LOC205251	0.679	1.75	10.17	5.811428571	9.88E-12
LOC219854	3,657	0.13	3.11	23.92307692	0
LOC221838	3,488	42.92	148.24	3.453867661	0
LOC222901	0.648	89.62	211.50	2.359964294	0
LOC253482	0.699	225.47	642.43	2.849292589	0
LOC260341	4,446	0.38	2.25	5.921052632	0
LOC266783	2,846	3.99	12.40	3.107769424	0
LOC283114	0.491	7.86	23.16	2.946564885	1.32E-10
LOC283331	1,911	0.46	5.05	10.97826087	0
LOC283537	3,157	2.01	4.38	2.179104478	3.70E-08
LOC283755	4,222	0.52	1.81	3.480769231	9.80E-09
LOC283871	4,346	1.27	3.95	3.11023622	0

LOC284167	21,208	0.16	0.51	3.1875	4.20E-11
LOC284184	0.766	5.55	36.07	6.499099099	0
LOC284422	0.908	14.05	87.58	6.233451957	0
LOC285053	1,264	4.15	13.77	3.318072289	0
LOC285299	2,075	0.62	12.83	20.69354839	0
LOC285550	9,011	1.53	3.34	2.183006536	0
LOC286512	1,201	16.23	38.37	2.364140481	0
LOC338098	0.374	1.59	17.79	11.18867925	6.00E-15
LOC338099	0.775	4.09	13.81	3.376528117	1.37E-11
LOC339123	2,042	10.46	24.03	2.297323136	0
LOC339290	2,115	2.81	6.25	2.224199288	5.05E-08
LOC339344	1,887	1.26	5.49	4.357142857	5.10E-14
LOC339535	1,559	2.92	7.13	2.441780822	4.11E-08
LOC339804	0.701	0.57	7.93	13.9122807	1.90E-13
LOC341056	1,026	2.02	8.13	4.024752475	3.05E-11
LOC341965	1.02	1.65	7.35	4.454545455	1.14E-10
LOC342918	1,289	2.38	12.75	5.357142857	0
LOC343508	2,312	2.57	6.67	2.595330739	1.04E-11
LOC344653	1,867	0.90	4.69	5.211111111	2.19E-13
LOC344978	57,183	0.17	0.54	3.176470588	0
LOC345829	0.832	7.25	27.44	3.784827586	0
LOC346085	1,248	10.70	37.39	3.494392523	0
LOC348180	1,936	2.14	5.57	2.602803738	6.74E-09
LOC348801	2,991	0.50	2.20	4.4	1.79E-09
LOC359724	1,848	219.07	611.76	2.792532067	0
LOC374395	0.864	18.90	45.04	2.383068783	0
LOC374920	2,278	2.12	10.07	4.75	0
LOC387703	4,653	1.21	3.98	3.289256198	0
LOC387787	1,897	0.62	3.11	5.016129032	8.01E-10
LOC388177	1,037	5.63	13.97	2.481349911	2.02E-10
LOC388692	3,389	3.10	7.21	2.325806452	6.00E-15
LOC388734	1,191	0.83	7.92	9.542168675	0
LOC389137	2,069	0.91	4.85	5.32967033	1.00E-15
LOC389168	1,763	7.69	18.35	2.386215865	0
LOC389203	1,207	4.59	13.33	2.904139434	4.30E-14
LOC389257	1,573	0.88	13.83	15.71590909	0
LOC389333	3,163	0.78	7.21	9.243589744	0

LOC389386	1,616	2.51	11.78	4.693227092	0
LOC389842	1,048	2.83	16.55	5.848056537	0
LOC389849	1,153	22.40	49.75	2.220982143	0
LOC389901	15,867	0.80	1.95	2.4375	0
LOC389990	0.796	1.37	7.72	5.635036496	1.77E-10
LOC390107	0.402	75.06	250.82	3.341593392	0
LOC390394	4.86	0.59	3.52	5.966101695	0
LOC390407	1,212	3.67	11.39	3.103542234	4.22E-13
LOC390415	42,753	0.04	0.41	10.25	0
LOC390561	92,435	0.08	0.24	3	0
LOC390844	1,483	1.93	9.83	5.093264249	0
LOC391039	0.939	8.01	17.94	2.239700375	4.61E-10
LOC391135	1,413	7.21	17.05	2.364771151	3.00E-15
LOC391358	0.59	10.23	35.55	3.475073314	0
LOC391696	3,792	0.31	2.15	6.935483871	2.00E-15
LOC391777	0.863	16.05	40.71	2.536448598	0
LOC391811	1,422	1.60	5.98	3.7375	2.88E-10
LOC391828	0.406	560.48	1352.34	2.412824722	0
LOC392358	0.741	4.81	21.26	4.41995842	0
LOC392437	0.743	11.32	49.65	4.386042403	0
LOC392617	5,186	6.46	24.71	3.825077399	0
LOC399748	1,633	6.66	14.08	2.114114114	3.66E-12
LOC399804	1.08	1.28	11.15	8.7109375	0
LOC399942	1,616	3.85	10.58	2.748051948	3.30E-14
LOC400011	3,628	2.02	6.83	3.381188119	0
LOC400036	2,585	0.31	4.34	14	0
LOC400126	3,362	8.92	26.14	2.930493274	0
LOC400506	3,817	0.34	6.76	19.88235294	0
LOC401010	2,723	0.94	3.65	3.882978723	1.32E-12
LOC401152	1.45	7.09	39.61	5.58674189	0
LOC401308	4,548	2.20	10.06	4.572727273	0
LOC401433	5,816	3.46	8.02	2.317919075	0
LOC401602	2,798	1.66	3.98	2.397590361	4.11E-08
LOC402226	12,371	0.11	0.85	7.727272727	0
LOC402359	109,665	0.06	0.16	2.666666667	8.90E-14
LOC407835	3,474	4.50	9.26	2.057777778	3.00E-15
LOC432369	0.368	55.39	111.93	2.02076187	0

LOC440525	1,134	9.33	29.64	3.176848875	0
LOC440917	1.77	19.34	46.12	2.384694933	0
LOC440995	1.08	0.92	7.90	8.586956522	0
LOC441034	0.891	8.99	29.02	3.228031146	0
LOC441073	0.536	203.78	448.21	2.199479831	0
LOC441481	0.606	17.31	35.17	2.031773541	2.09E-10
LOC441505	1,632	1.40	16.62	11.87142857	0
LOC441550	3,444	1.09	3.28	3.009174312	4.80E-11
LOC441581	2,078	0.19	5.31	27.94736842	0
LOC441726	0.413	16.77	104.63	6.239117472	0
LOC441774	2,043	10.99	35.50	3.230209281	0
LOC441775	0.569	50.60	145.08	2.867193676	0
LOC442017	0.444	6.69	19.54	2.92077728	2.53E-08
LOC442086	0.625	37.83	308.78	8.162305049	0
LOC442087	1.29	2.68	10.84	4.044776119	0
LOC442112	1,912	6.57	16.12	2.453576865	0
LOC442156	124,838	0.03	0.10	3.333333333	2.27E-13
LOC442263	14,098	0.13	0.91	7	0
LOC442267	1,611	1.11	12.29	11.07207207	0
LOC442309	0.881	4.49	16.22	3.61247216	1.00E-15
LOC442720	1,974	2.40	8.62	3.591666667	0
LOC442777	0.568	23.17	79.94	3.450151057	0
LOC4687	3,328	2.32	6.13	2.642241379	2.00E-15
LOC497661	1,085	7.75	18.09	2.334193548	2.39E-12
LOC51136	1,893	2.14	5.43	2.537383178	3.32E-08
LOC57228	1,239	5.59	31.48	5.631484794	0
LOC573971	3,497	0.99	7.93	8.01010101	0
LOC642043	14,393	0.81	2.09	2.580246914	0
LOC642072	40,331	2.11	4.24	2.009478673	0
LOC642074	15,574	0.76	1.94	2.552631579	0
LOC642259	1,045	12.59	44.82	3.559968229	0
LOC642357	1.31	15.18	44.82	2.95256917	0
LOC642585	1.78	2.50	8.38	3.352	2.00E-15
LOC642784	1,368	14.90	39.23	2.632885906	0
LOC642954	2,305	4.12	11.08	2.689320388	0
LOC642975	1,471	3.70	15.41	4.164864865	0
LOC643031	0.513	95.66	223.81	2.339640393	0

LOC643193	0.459	11.21	41.30	3.684210526	0
LOC643536	1,717	0.69	3.73	5.405797101	1.29E-10
LOC643586	24,498	0.47	2.25	4.787234043	0
LOC643737	1,272	3.73	23.91	6.410187668	0
LOC643836	17.14	0.40	0.97	2.425	2.48E-11
LOC644029	0.908	56.22	132.20	2.351476343	0
LOC644082	3,011	31.91	89.08	2.791601379	0
LOC644096	1,147	5.00	12.26	2.452	9.48E-10
LOC644220	1,126	8.96	21.77	2.4296875	0
LOC644422	1,445	9.38	24.02	2.560767591	0
LOC644693	6,033	0.41	1.74	4.243902439	8.20E-14
LOC644714	3,156	18.99	53.01	2.791469194	0
LOC644745	2,379	1.33	4.71	3.541353383	1.09E-12
LOC644877	1,042	3.23	13.90	4.303405573	0
LOC644879	0.866	1.83	9.04	4.93989071	9.71E-12
LOC644909	51,151	0.03	0.48	16	0
LOC644969	0.662	78.01	182.76	2.342776567	0
LOC645668	1,358	7.28	18.92	2.598901099	0
LOC645807	1,894	5.59	14.59	2.610017889	0
LOC645870	1,009	5.69	35.48	6.235500879	0
LOC645899	0.424	18.90	54.04	2.859259259	0
LOC645957	1,667	6.11	17.99	2.944353519	0
LOC646195	0.648	400.94	954.54	2.380755225	0
LOC646214	6,629	1.09	2.24	2.055045872	1.01E-07
LOC646348	0.213	4.65	26.89	5.782795699	7.06E-10
LOC646532	12,163	0.88	2.65	3.011363636	0
LOC646547	18.16	0.19	0.65	3.421052632	4.10E-13
LOC646572	1,587	0.75	5.94	7.92	0
LOC646778	2,194	0.09	3.92	43.55555556	0
LOC646837	3,153	6.43	15.28	2.376360809	0
LOC647020	17.6	0.21	0.88	4.19047619	0
LOC647076	6,461	1.23	3.10	2.520325203	3.00E-14
LOC647086	1,493	1.19	5.47	4.596638655	1.15E-11
LOC647087	1,548	4.34	17.90	4.124423963	0
LOC647302	0.31	13.09	45.10	3.445378151	4.00E-15
LOC647307	1,342	7.89	17.26	2.187579214	7.91E-13
LOC648603	0.651	4.86	19.15	3.940329218	2.00E-15

LOC652968	1,508	0.46	4.13	8.97826087	5.33E-13
LOC653115	1.19	9.98	26.12	2.617234469	0
LOC653122	2,176	4.00	18.86	4.715	0
LOC653214	0.787	66.13	247.25	3.738847724	0
LOC653364	0.585	28.58	113.90	3.985304409	0
LOC653553	24,903	0.12	0.42	3.5	1.03E-11
LOC653566	1.96	9.13	18.66	2.04381161	0
LOC654350	0.797	1.37	7.52	5.489051095	4.84E-10
LOC654480	0.627	32.98	76.31	2.313826562	0
LOC723972	0.738	13.54	32.18	2.376661743	6.00E-15
LOC727726	2,542	0.78	5.20	6.666666667	0
LOC727728	1,097	2.61	9.14	3.501915709	1.10E-11
LOC728041	6,221	0.44	1.49	3.386363636	1.58E-10
LOC728044	42,489	0.04	0.19	4.75	6.53E-12
LOC728071	2,405	0.45	6.97	15.48888889	0
LOC728110	1,606	6.53	24.45	3.744257274	0
LOC728131	1,493	43.01	112.90	2.624970937	0
LOC728358	0.493	3.21	14.87	4.632398754	1.11E-10
LOC728509	3,388	0.47	2.16	4.595744681	1.81E-10
LOC728532	19,929	0.42	1.01	2.404761905	2.65E-13
LOC728560	2,998	1.62	9.83	6.067901235	0
LOC728602	15,548	0.28	0.70	2.5	3.92E-08
LOC728622	0.871	4.54	17.80	3.920704846	0
LOC728669	0.519	27.83	110.04	3.954006468	0
LOC728688	1,839	1.83	22.30	12.18579235	0
LOC728698	6,566	1.16	2.36	2.034482759	7.08E-08
LOC728892	0.516	0.58	11.91	20.53448276	0
LOC728995	0.678	2.48	94.03	37.91532258	0
LOC729063	0.531	7.46	68.56	9.190348525	0
LOC729086	2.95	2.59	5.22	2.015444015	1.27E-07
LOC729433	1,005	2.46	14.20	5.772357724	0
LOC729440	1,825	0.76	8.12	10.68421053	0
LOC729494	0.959	14.55	41.90	2.879725086	0
LOC729518	1,883	1.37	5.19	3.788321168	7.77E-12
LOC729554	0.825	4.20	13.79	3.283333333	7.36E-12
LOC729646	6.91	6.64	15.36	2.313253012	0
LOC729666	37,964	0.08	0.28	3.5	4.31E-12

LOC729678	2,392	3.06	6.90	2.254901961	6.21E-10
LOC729683	2,086	1.66	5.37	3.234939759	1.69E-11
LOC729708	1,997	4.86	26.45	5.442386831	0
LOC729948	0.258	6.52	51.26	7.86196319	0
LOC729976	1,069	5.28	13.24	2.507575758	2.73E-10
LOC730050	3,503	13.98	30.97	2.215307582	0
LOC730069	8,187	0.20	0.95	4.75	9.71E-12
LOC730101	8,263	0.27	3.54	13.11111111	0
LOC730138	0.489	11.53	38.42	3.33217693	0
LOC84661	0.8	3.96	17.16	4.333333333	0
LOC90120	2,799	0.88	12.31	13.98863636	0
LOC92312	5,917	0.17	1.92	11.29411765	0
LOC92755	1,516	4.77	15.72	3.295597484	0
LPXN	1,833	2.76	7.03	2.547101449	8.67E-10
LRFN1	3,381	1.29	5.70	4.418604651	0
LRFN2	3,144	1.20	7.96	6.633333333	0
LRFN4	2,431	3.01	10.43	3.465116279	0
LRP11	3.58	0.47	3.55	7.553191489	0
LRP3	2,577	2.61	17.75	6.800766284	0
LRP5	5,099	9.54	29.75	3.118448637	0
LRPAP1	1,484	18.00	44.95	2.497222222	0
LRRC14	5,323	2.52	6.15	2.44047619	0
LRRC17	5,726	0.03	1.90	63.33333333	0
LRRC4	7,414	0.75	1.71	2.28	3.58E-08
LRRC41	2,948	10.24	35.23	3.440429688	0
LRRC42	1,714	2.25	5.90	2.622222222	2.67E-08
LRRC45	2,599	0.76	5.25	6.907894737	0
LRRC47	2,648	8.37	21.15	2.52688172	0
LRRC59	2,828	11.23	31.90	2.840605521	0
LRRC61	2,956	0.20	3.50	17.5	0
LRRC62	7,579	2.15	40.87	19.00930233	0
LRRC8D	3,312	2.90	8.80	3.034482759	0
LRRC1	3.24	0.49	2.11	4.306122449	1.17E-09
LRRN2	3,358	1.71	3.99	2.333333333	7.03E-09
LSM10	0.85	5.24	24.68	4.709923664	0
LSM12	2.21	3.00	9.37	3.123333333	0
LSM14B	1,604	8.02	29.10	3.628428928	0

LSM3	0.555	24.95	55.70	2.23246493	0
LSM4	1,109	18.65	55.07	2.952815013	0
LSM6	0.579	7.69	22.70	2.951885566	4.58E-12
LSM7	0.776	84.53	170.58	2.017981782	0
LSMD1	0.999	18.82	47.64	2.531349628	0
LSP1	2,745	20.69	62.84	3.037216046	0
LTB4DH	1,242	5.10	20.28	3.976470588	0
LTBP4	5,031	2.68	8.11	3.026119403	0
LTBR	2,105	5.59	21.49	3.844364937	0
LXN	1,113	3.20	9.69	3.028125	2.65E-10
LYAR	1,508	0.92	15.47	16.81521739	0
LYL1	1.49	21.52	46.30	2.151486989	0
LYN	2,297	6.55	13.16	2.009160305	1.01E-13
LYPLA2	1,624	5.36	14.16	2.641791045	0
LYRM4	1,482	14.35	37.40	2.606271777	0
LYRM7	6,213	0.70	1.84	2.628571429	4.54E-09
LYSMD2	1,688	0.59	3.84	6.508474576	1.11E-11
LZIC	1,407	2.81	9.76	3.473309609	6.00E-15
LZTFL1	3,398	0.64	3.40	5.3125	0
LZTS1	5,459	0.12	2.18	18.16666667	0
M6PR	2,454	18.90	60.65	3.208994709	0
M6PRBP1	2,236	13.80	112.45	8.148550725	0
MAD2L2	1,041	13.69	42.00	3.067932798	0
MAF	7,719	1.76	9.46	5.375	0
MAFB	3,362	1.86	48.64	26.15053763	0
MAGED1	2,971	15.18	40.77	2.685770751	0
MAGED2	2,289	10.59	23.99	2.265344665	0
MAGED4	3,258	2.64	10.55	3.996212121	0
MAGEF1	1,682	4.29	12.52	2.918414918	0
MAGEH1	1,462	1.69	7.26	4.295857988	3.20E-14
MAGI1	12,411	1.04	3.03	2.913461538	0
MAGI3	3,947	1.38	3.51	2.543478261	2.47E-10
Magmas	0.511	5.03	27.03	5.373757455	0
MAN1C1	2,884	2.71	7.74	2.856088561	0
MAN2B2	4,242	3.06	8.97	2.931372549	0
MANBAL	1,315	4.14	9.93	2.398550725	4.06E-09
MANEAL	4,449	0.16	2.48	15.5	0

MAP1A	10,244	0.60	6.90	11.5	0
MAP1S	3,276	4.28	27.23	6.362149533	0
MAP2K5	2,364	3.89	8.73	2.244215938	2.23E-12
MAP3K10	3,428	1.09	4.74	4.348623853	0
MAP3K11	3,573	11.82	44.91	3.799492386	0
MAP3K15	4,697	0.52	2.25	4.326923077	2.00E-14
MAP3K5	5,195	1.58	6.57	4.158227848	0
MAP3K7	4,203	3.37	7.72	2.290801187	0
MAP3K7IP1	3,862	4.04	10.15	2.512376238	0
MAP7D3	4,528	2.12	6.10	2.877358491	0
MAPBPIP	0.591	7.54	58.15	7.712201592	0
MAPK12	1,754	1.08	8.21	7.601851852	0
MAPKAP1	3,866	4.02	19.61	4.878109453	0
MAPKAPK3	2.5	11.20	53.27	4.75625	0
MARCKSL1	1,535	12.51	194.87	15.57713829	0
MARK2	4,356	4.00	10.32	2.58	0
MARK4	4,917	2.90	11.31	3.9	0
MARVELD1	3,217	5.35	41.05	7.672897196	0
MAST3	5,896	3.17	13.76	4.340694006	0
MAT2A	3,014	17.04	55.25	3.242370892	0
MAT2B	2,272	10.67	23.62	2.213683224	0
MATK	2.61	2.88	7.65	2.65625	3.00E-15
MAZ	2,785	79.29	179.79	2.267499054	0
MBD3	2,559	8.04	41.12	5.114427861	0
MBNL3	3,255	2.01	4.81	2.393034826	2.10E-10
MBOAT5	2,297	5.26	18.15	3.450570342	0
MCAM	3,332	18.68	48.54	2.598501071	0
MCART1	1,397	0.43	3.89	9.046511628	1.61E-11
MCAT	1,981	1.40	8.85	6.321428571	0
MCCC2	4,658	1.25	4.07	3.256	0
MCM10	4,661	0.29	1.56	5.379310345	4.17E-12
MCM2	3,435	9.50	28.87	3.038947368	0
MCM3	3,111	6.55	39.37	6.010687023	0
MCM4	3,628	4.75	15.95	3.357894737	0
MCM5	2,534	16.56	41.99	2.535628019	0
MCM6	3,751	3.22	12.82	3.98136646	0
MCM7	7,494	6.91	17.36	2.512301013	0

MCM8	4.27	0.70	3.18	4.542857143	0
MCOLN1	2,051	1.79	6.53	3.648044693	3.00E-15
MCRS1	1.97	9.44	23.82	2.523305085	0
MCTS1	0.926	5.56	15.83	2.847122302	9.94E-13
MDFI	1,558	1.15	49.58	43.11304348	0
MDH1	1,268	17.94	54.68	3.04793757	0
MDH2	2,925	17.63	41.63	2.361315939	0
MDK	1,208	9.01	83.40	9.256381798	0
MDM1	4,879	0.51	2.01	3.941176471	3.31E-12
MDS032	0.843	10.68	29.08	2.722846442	0
ME2	2,717	3.24	12.86	3.969135802	0
MEA1	0.868	14.82	73.27	4.943994602	0
MECR	2,744	1.33	5.95	4.473684211	0
MED11	0.83	2.14	16.85	7.873831776	0
MED12	6,645	7.64	23.98	3.138743455	0
MED8	3,496	2.35	5.42	2.306382979	1.19E-11
MED9	2,222	9.22	35.56	3.856832972	0
MEF2C	9.25	35.03	76.79	2.192121039	0
MEGF8	8,306	1.05	3.15	3	0
MEN1	4,617	3.71	16.78	4.522911051	0
MESDC2	4,243	2.50	11.95	4.78	0
METTL1	2,574	0.38	4.25	11.18421053	0
METTL2A	2,905	0.27	2.38	8.814814815	6.00E-15
METTL2B	4,364	0.20	1.26	6.3	1.64E-10
METTL5	0.939	2.10	14.71	7.004761905	0
METTL7A	3.39	5.34	21.59	4.043071161	0
MFAP1	2,063	4.41	14.74	3.342403628	0
MFGE8	1,934	1.64	5.06	3.085365854	8.63E-10
MFHAS1	3,754	9.20	19.06	2.07173913	0
MFI2	3,222	1.20	5.20	4.333333333	0
MFN2	4,539	12.86	27.69	2.15318818	0
MFNG	2,034	19.94	42.53	2.132898696	0
MFSD1	2,161	4.58	19.18	4.187772926	0
MFSD3	1,446	0.48	12.41	25.85416667	0
MFSD4	3,566	0.92	2.79	3.032608696	1.17E-09
MGAT4B	4,233	4.18	8.68	2.076555024	0
MGC10334	2,193	3.48	9.99	2.870689655	0

MGC13114	1,677	7.73	24.52	3.172056921	0
MGC13379	1,052	1.23	6.65	5.406504065	1.88E-11
MGC15523	5,035	3.88	24.86	6.407216495	0
MGC16169	3.31	0.96	5.65	5.885416667	0
MGC16385	2,742	0.94	2.91	3.095744681	3.78E-08
MGC16824	3.55	3.37	10.27	3.047477745	0
MGC19604	2,702	1.02	13.21	12.95098039	0
MGC21675	2.44	2.48	10.10	4.072580645	0
MGC2408	0.986	0.50	7.00	14	0
MGC2752	3,073	1.23	7.37	5.991869919	0
MGC29506	1,849	133.39	481.45	3.60934103	0
MGC3032	5,415	1.13	5.73	5.07079646	0
MGC3196	0.609	2.92	11.90	4.075342466	1.19E-09
MGC3207	3,389	5.32	11.39	2.140977444	0
MGC40499	2.94	1.79	5.22	2.916201117	1.29E-13
MGC42367	3,863	1.02	3.91	3.833333333	0
MGC4655	2,694	0.29	2.78	9.586206897	0
MGC57346	1,879	0.74	4.71	6.364864865	1.00E-15
MGLL	4,884	0.08	2.48	31	0
MGMT	0.864	22.56	84.92	3.764184397	0
MGST2	0.801	9.01	42.69	4.738068812	0
MICAL3	6,515	2.84	6.72	2.366197183	0
MICALL1	3,865	4.97	21.08	4.241448692	0
MIF	0.561	149.73	513.98	3.432712215	0
MIF4GD	1,412	3.36	10.74	3.196428571	6.00E-15
MINA	2,494	1.08	8.48	7.851851852	0
MINPP1	2,394	0.29	2.32	8	4.06E-11
MITD1	0.91	3.26	10.46	3.208588957	6.69E-10
MIZF	2.3	3.09	10.03	3.245954693	0
MKI67	12,497	2.58	22.69	8.794573643	0
MKI67IP	1.67	4.32	14.47	3.349537037	0
MKKS	2,774	0.82	8.38	10.2195122	0
MKL2	8,634	0.63	1.84	2.920634921	7.30E-14
MKS1	2,397	1.08	6.12	5.666666667	0
MLC1	4,174	1.73	15.82	9.144508671	0
MLF1IP	2,533	2.89	6.32	2.186851211	3.03E-09
MLH1	2,524	4.00	11.25	2.8125	0

MLH3	7,896	0.73	1.81	2.479452055	3.32E-10
MLKL	2,498	2.93	11.63	3.969283276	0
MLLT1	4,505	3.12	12.03	3.855769231	0
MLSTD1	2,095	1.00	8.57	8.57	0
MMAB	2,348	1.22	6.02	4.93442623	0
MMACHC	2,227	0.13	3.41	26.23076923	0
MMP11	2,261	0.27	14.68	54.37037037	0
MMP15	4,438	0.20	1.88	9.4	0
MMP17	2,411	8.91	75.50	8.47362514	0
MND1	0.941	0.52	8.68	16.69230769	0
MOBKL2A	3,531	27.52	82.97	3.014898256	0
MOBKL2C	3,392	1.64	4.69	2.859756098	1.39E-13
MOCS2	2,329	1.79	8.61	4.810055866	0
MON1A	2,038	0.49	6.45	13.16326531	0
MOSPD1	2,358	0.34	2.61	7.676470588	3.88E-12
MOSPD3	3,322	0.95	5.30	5.578947368	0
MPDU1	1.4	8.98	37.32	4.155902004	0
MPG	1,831	13.13	33.84	2.577303884	0
MPHOSPH10	2,483	2.55	8.04	3.152941176	0
MPHOSPH6	1.08	1.38	8.50	6.15942029	1.00E-15
MPI	1,771	3.57	36.81	10.31092437	0
MPND	1,513	5.43	13.09	2.4106814	4.33E-13
MPP6	4,374	0.79	5.71	7.227848101	0
MPV17	0.998	10.71	50.81	4.744164332	0
MPZL1	6,897	2.29	6.53	2.851528384	0
MRAP	1,234	0.72	4.60	6.388888889	3.69E-10
MRC1	5,171	4.04	12.12	3	0
MRC1L1	5,171	7.02	49.79	7.092592593	0
MRCL3	1,229	48.38	104.80	2.166184374	0
MRLC2	0.879	44.23	94.97	2.147185168	0
MRM1	1,833	0.54	6.85	12.68518519	0
MRP63	2,658	4.13	17.72	4.290556901	0
MRPL11	1,249	12.68	32.31	2.548107256	0
MRPL12	1	6.63	49.45	7.45852187	0
MRPL17	1,044	2.56	30.18	11.7890625	0
MRPL18	0.971	16.10	41.04	2.549068323	0
MRPL19	7,827	0.91	2.17	2.384615385	3.15E-11

MRPL2	1,286	11.00	24.56	2.232727273	0
MRPL20	0.681	18.74	49.11	2.620597652	0
MRPL24	1,006	4.33	46.89	10.82909931	0
MRPL27	3,158	1.56	6.77	4.33974359	0
MRPL28	1,099	14.22	49.06	3.450070323	0
MRPL3	1,733	7.25	21.48	2.962758621	0
MRPL34	0.968	9.50	38.46	4.048421053	0
MRPL35	3,336	1.78	6.04	3.393258427	0
MRPL36	0.604	9.18	34.45	3.752723312	0
MRPL37	1,478	23.56	49.81	2.11417657	0
MRPL38	1,868	12.76	30.30	2.37460815	0
MRPL4	3,064	7.65	17.45	2.281045752	0
MRPL43	3,318	5.52	14.85	2.690217391	0
MRPL46	0.985	4.82	13.17	2.732365145	1.02E-10
MRPL49	2,089	12.74	25.85	2.029042386	0
MRPL51	0.663	19.85	115.87	5.837279597	0
MRPL52	2,463	2.04	6.81	3.338235294	0
MRPL54	0.609	16.09	40.81	2.536357986	0
MRPS11	1,415	5.39	17.86	3.313543599	0
MRPS12	1,606	4.19	18.78	4.482100239	0
MRPS14	1,081	4.94	14.03	2.840080972	5.38E-13
MRPS16	2,634	10.70	21.53	2.012149533	0
MRPS17	1,172	3.21	8.62	2.685358255	2.08E-08
MRPS18A	1.06	10.55	25.91	2.455924171	0
MRPS18C	1,014	5.17	14.79	2.86073501	6.09E-13
MRPS2	1,434	11.46	28.54	2.490401396	0
MRPS23	0.903	8.43	26.03	3.087781732	0
MRPS26	1,039	5.15	38.43	7.462135922	0
MRPS28	0.707	4.20	14.06	3.347619048	8.48E-11
MRPS31	1,284	3.23	10.17	3.148606811	3.95E-13
MRPS34	1,003	10.75	56.86	5.289302326	0
MRPS5	1,661	6.37	25.51	4.004709576	0
MRPS6	0.986	11.04	47.68	4.31884058	0
MRPS7	1,371	11.62	26.23	2.257314974	0
MRTO4	1,185	3.51	19.46	5.544159544	0
MRV11	3,959	0.18	5.83	32.38888889	0
MS4A1	3.61	30.64	114.06	3.722584856	0

MS4A4A	1,811	0.87	5.81	6.67816092	0
MSGN1	0.582	0.17	32.95	193.8235294	0
MSH2	3,145	1.64	9.21	5.615853659	0
MSRA	1,482	8.75	22.85	2.611428571	0
MSRB2	0.908	1.53	13.64	8.91503268	0
MST101	3,491	1.53	5.07	3.31372549	0
MT1E	0.506	6.65	26.47	3.980451128	0
MT1F	0.438	1.13	32.70	28.9380531	0
MT1G	0.396	1.25	34.89	27.912	0
MTA2	3,235	27.93	69.62	2.492660222	0
MTCH2	2,474	7.03	16.14	2.295874822	0
MTFMT	1,736	0.97	4.81	4.958762887	9.66E-13
MTG1	1,614	5.15	10.65	2.067961165	7.08E-09
MTHFD1	3.11	3.11	15.44	4.964630225	0
MTHFD1L	3,598	1.57	6.35	4.044585987	0
MTHFD2	2,589	1.52	6.71	4.414473684	0
MTHFS	0.857	1.27	7.47	5.881889764	3.90E-11
MTHFSD	2,308	2.49	7.16	2.875502008	2.40E-14
MTP18	1,762	2.13	9.14	4.291079812	0
MUC4	8,671	16.22	49.82	3.071516646	0
MUM1	4,179	1.16	9.09	7.836206897	0
MUS81	2,319	4.52	18.20	4.026548673	0
MVK	1,952	0.30	3.24	10.8	6.00E-15
MXD3	1,049	11.88	32.68	2.750841751	0
MXRA7	5,207	11.04	30.10	2.726449275	0
MYBBP1A	5,537	6.86	15.50	2.259475219	0
MYBL2	2,713	7.84	24.71	3.151785714	0
MYBPC2	3,561	0.36	4.97	13.80555556	0
MYC	2,359	3.98	27.78	6.979899497	0
MYCBP	2,093	2.12	10.66	5.028301887	0
MYD88	2,814	7.70	24.85	3.227272727	0
MYH10	7,619	2.82	7.21	2.556737589	0
MYL6	2,639	146.70	758.04	5.167280164	0
MYL6B	0.869	34.38	86.76	2.523560209	0
MYL9	1,187	16.42	42.51	2.588915956	0
MYLK	12,152	2.22	7.71	3.472972973	0
MYO1B	4,825	2.95	15.20	5.152542373	0

MYO3A	5,584	0.48	2.32	4.833333333	0
MYO7A	7,462	5.99	12.27	2.048414023	0
NADK	3,235	8.93	22.29	2.496080627	0
NAG	7,282	2.85	18.48	6.484210526	0
NAGA	3,606	3.13	18.97	6.060702875	0
NAGPA	2,203	3.01	7.07	2.348837209	4.91E-10
NAPA	1,842	24.34	53.14	2.183237469	0
NAPRT1	1,857	10.28	26.17	2.545719844	0
NARG2	7,564	1.52	3.99	2.625	0
NARS2	2,098	2.21	9.59	4.339366516	0
NASPP1	3,031	4.90	11.59	2.365306122	0
NAT10	4,002	9.15	25.17	2.750819672	0
NAT5	1,746	7.48	23.21	3.102941176	0
NAV1	12,132	13.01	26.07	2.003843198	0
NBR2	1,368	1.95	6.78	3.476923077	1.58E-10
NCAPD2	4,486	4.41	29.37	6.659863946	0
NCAPD3	6,037	3.88	8.55	2.203608247	0
NCAPG	4,664	1.59	4.63	2.911949686	0
NCAPG2	10,506	0.74	2.06	2.783783784	0
NCAPH	4,495	1.03	5.38	5.223300971	0
NCBP2	2,884	11.25	24.66	2.192	0
NCDN	3,973	0.44	9.16	20.81818182	0
NCF1	2,796	3.32	10.33	3.111445783	0
NCF2	2,389	11.26	26.51	2.354351687	0
NCF4	2,215	15.90	67.31	4.233333333	0
NCKAP1L	4,559	19.30	48.96	2.536787565	0
NCKIPSD	3,054	0.36	7.61	21.13888889	0
NCL	3,099	89.36	240.21	2.688115488	0
NCOA5	3,209	7.58	20.27	2.67414248	0
NDC80	2,072	3.16	7.52	2.379746835	2.10E-10
NDFIP1	2,533	3.94	9.54	2.421319797	1.00E-15
NDRG2	2,199	3.78	17.00	4.497354497	0
NDRG3	2,964	3.71	17.85	4.811320755	0
NDUFA11	0.799	38.76	99.73	2.573013416	0
NDUFA12	0.6	22.59	61.49	2.722000885	0
NDUFA12L	0.622	3.18	17.20	5.408805031	0
NDUFA13	0.959	73.45	178.84	2.434853642	0

NDUFA3	0.341	23.21	120.79	5.204222318	0
NDUFA4P1	0.63	10.99	23.80	2.165605096	1.46E-08
NDUFA7	0.511	27.69	63.14	2.280245576	0
NDUFA8	0.844	2.69	35.93	13.35687732	0
NDUFAB1	0.667	20.91	47.23	2.258727881	0
NDUFAF1	1,457	0.34	7.29	21.44117647	0
NDUFB10	0.695	39.71	94.65	2.383530597	0
NDUFB2	0.99	7.09	27.57	3.888575458	0
NDUFB3	0.675	7.92	31.83	4.018939394	0
NDUFB3P4	0.456	2.38	12.93	5.432773109	8.01E-10
NDUFB5	1,059	12.61	33.81	2.681205393	0
NDUFC2	2,138	7.91	21.51	2.719342604	0
NDUFS3	1,627	30.04	68.30	2.273635153	0
NDUFS6	2,337	24.51	97.04	3.959200326	0
NDUFS7	1,702	16.57	46.24	2.790585395	0
NDUFS8	0.779	23.37	81.21	3.474967908	0
NDUFV3	2.13	2.32	10.28	4.431034483	0
NECAP2	2,397	25.22	123.33	4.890166534	0
NEDD4	10,567	0.37	1.33	3.594594595	1.00E-15
NEDD8	0.606	43.75	187.80	4.292571429	0
NEGR1	5,669	4.55	24.93	5.479120879	0
NEIL2	2,661	3.60	8.54	2.372222222	1.20E-14
NEK1	5,501	0.34	2.02	5.941176471	0
NEK2	2.13	0.28	3.72	13.28571429	0
NEK6	2,582	2.95	11.40	3.86440678	0
NEK9	3,244	4.12	11.81	2.866504854	0
NEO1	5,277	1.86	4.27	2.295698925	1.12E-13
NEXN	2,131	1.81	8.23	4.546961326	0
NF2	10,998	1.89	4.41	2.333333333	0
NFATC3	6,725	7.32	29.63	4.047814208	0
NFIC	3,344	7.13	16.03	2.248246844	0
NFIX	5,576	5.00	16.72	3.344	0
NFKBIL2	5,653	3.64	8.67	2.381868132	0
NFS1	2,678	1.29	4.69	3.635658915	1.30E-14
NFYC	2,259	10.60	25.23	2.380188679	0
NGFR	3,387	2.77	13.66	4.931407942	0
NGRN	2,085	6.84	21.17	3.09502924	0

NHP2L1	2.3	41.64	87.66	2.10518732	0
NIF3L1	1,591	2.18	9.53	4.371559633	0
NIPA2	2.57	11.98	26.41	2.204507513	0
NIPSNAP1	2,236	7.83	27.80	3.550446999	0
NIT1	1,362	5.66	18.74	3.310954064	0
NIT2	0.98	5.15	13.50	2.621359223	2.06E-10
NKG7	0.826	46.59	110.85	2.379265937	0
NKIRAS2	3,076	7.50	18.98	2.530666667	0
NLE1	3,035	2.25	7.05	3.133333333	0
NLGN4X	5,815	0.02	3.07	153.5	0
NLN	2,881	0.13	2.34	18	0
NLRP3	4,461	1.07	4.04	3.775700935	0
NLRX1	3.94	3.01	11.44	3.800664452	0
NME1	1,161	5.20	53.98	10.38076923	0
NME1-NME2	1,052	68.09	176.80	2.596563372	0
NME2P1	0.693	55.11	130.55	2.368898567	0
NME4	1,007	27.41	110.00	4.013133893	0
NME6	1,182	1.67	6.24	3.736526946	4.43E-09
NMNAT1	1,818	0.32	3.94	12.3125	0
NMRAL1	1,358	5.83	19.48	3.341337907	0
NMT1	4,886	7.96	30.65	3.850502513	0
NNT	5,484	6.33	13.79	2.178515008	0
NOC2L	3,039	9.76	25.65	2.62807377	0
NOC3L	3,436	0.55	2.18	3.963636364	1.18E-09
NOC4L	1,632	6.30	16.05	2.547619048	0
NODAL	1,665	0.47	4.33	9.212765957	1.00E-15
NOL1	2,837	3.14	15.17	4.831210191	0
NOL11	2,454	5.92	12.32	2.081081081	6.00E-15
NOL12	2.84	3.45	9.40	2.724637681	0
NOL14	2,918	6.54	18.33	2.802752294	0
NOL5A	1,937	10.93	61.01	5.581884721	0
NOLA1	1,303	4.25	15.45	3.635294118	0
NOLA2	1,231	24.19	84.99	3.513435304	0
NOLA2P1	0.758	11.48	25.34	2.207317073	5.24E-11
NOLA3	1,153	28.66	119.19	4.158757851	0
NOLC1	2,759	6.10	29.10	4.770491803	0
NOMO1	4,247	1.49	3.95	2.651006711	4.95E-13

NOMO3	4,253	0.46	1.86	4.043478261	1.23E-10
NOS2A	4,371	4.30	21.10	4.906976744	0
NOSIP	1,098	14.42	44.27	3.070041609	0
NOTCH1	9,298	3.39	7.09	2.091445428	0
NOTCH3	8,071	0.10	6.08	60.8	0
NP	1,428	4.57	76.22	16.67833698	0
N-PAC	3.99	13.02	28.06	2.155145929	0
NPAL3	5,292	0.75	6.14	8.186666667	0
NPM3	0.865	5.15	27.07	5.25631068	0
NPR1	4,232	8.49	29.26	3.446407538	0
NPTN	2,441	2.72	13.28	4.882352941	0
NPTX1	5,437	0.36	4.57	12.69444444	0
NPY	1,102	8.17	37.92	4.641370869	0
NR2F6	1,804	0.55	3.46	6.290909091	3.14E-11
NR3C2	5,744	0.20	1.09	5.45	1.07E-10
NR5A2	5,046	0.20	5.46	27.3	0
NRD1	3,821	12.95	32.61	2.518146718	0
NRSN2	1,974	1.46	6.14	4.205479452	1.00E-15
NSBP1	1,865	1.54	7.90	5.12987013	0
NSDHL	1,563	3.42	8.30	2.426900585	3.30E-09
NSFL1C	4,843	2.49	10.18	4.088353414	0
NSL1	1,659	2.27	8.53	3.757709251	0
NSMCE1	1,062	9.60	70.67	7.361458333	0
NT5C	0.941	13.78	29.90	2.169811321	4.00E-15
NT5C3L	1,446	6.91	17.12	2.477568741	0
NT5DC2	2,432	15.66	56.67	3.618773946	0
NTHL1	1,067	10.67	28.34	2.656044986	0
NTNG1	2,932	0.27	3.39	12.55555556	0
NTSR1	4,131	0.03	4.16	138.6666667	0
NUBP2	1.35	14.22	29.83	2.097749648	0
NUCB1	2.25	35.53	117.52	3.307627357	0
NUCB2	1,586	5.99	17.16	2.864774624	0
NUDCD1	3,918	0.78	3.54	4.538461538	0
NUDCD3	7,106	1.95	7.80	4	0
NUDCP2	0.95	3.12	12.50	4.006410256	9.00E-15
NUDT1	2,795	13.59	29.45	2.167034584	0
NUDT16L1	1,313	10.25	27.71	2.703414634	0

NUDT18	2,251	2.24	5.50	2.455357143	7.26E-09
NUDT22	1,094	6.24	21.86	3.503205128	0
NUDT5	1,204	13.15	35.58	2.705703422	0
NUDT9	2,035	3.84	9.89	2.575520833	1.20E-14
NUP188	5,689	5.98	12.78	2.137123746	0
NUP43	3,848	2.98	6.35	2.130872483	5.78E-13
NUP62	3,721	11.03	31.78	2.881233001	0
NUP93	2.63	8.73	20.79	2.381443299	0
NUPL2	3,514	1.66	7.72	4.65060241	0
NUSAP1	2.75	5.29	23.86	4.510396975	0
NUTF2	0.886	20.88	91.84	4.398467433	0
NUTF2P2	0.851	3.37	12.07	3.581602374	1.07E-11
NXT1	1,117	3.63	15.92	4.385674931	0
OAF	1,862	0.91	7.60	8.351648352	0
OAS1	2,564	0.38	4.83	12.71052632	0
OAS2	6,919	0.39	11.85	30.38461538	0
OAS3	6,627	2.11	7.88	3.734597156	0
OAT	1,998	1.68	12.73	7.577380952	0
OAZ1	2,698	116.46	520.85	4.472351022	0
OBFC1	1.42	2.79	12.75	4.569892473	0
OBFC2B	1,301	6.54	19.42	2.96941896	0
OCC-1	1,139	1.22	8.51	6.975409836	0
OCEL1	1,091	1.08	5.95	5.509259259	2.35E-11
ODF2	4,331	5.48	23.75	4.333941606	0
OGDH	9,763	1.31	9.64	7.358778626	0
OGFOD1	3.02	4.98	11.91	2.391566265	0
OGFR	2.42	12.23	30.50	2.493867539	0
OGG1	7,329	0.96	3.71	3.864583333	0
OIP5	1,569	2.20	15.09	6.859090909	0
OLFM4	2,819	3.16	20.89	6.610759494	0
OLFML2A	5,964	5.84	42.21	7.227739726	0
OPA3	3,689	0.51	2.35	4.607843137	2.82E-12
OPRL1	3,359	0.76	3.41	4.486842105	0
OPRS1	2,809	1.41	11.85	8.404255319	0
ORC1L	3,157	0.78	2.96	3.794871795	1.23E-11
ORC2L	3,121	2.31	5.83	2.523809524	2.49E-13
ORMDL2	1,244	4.93	15.85	3.215010142	0

OS9	2,942	41.60	89.13	2.142548077	0
OSBP2	4.34	0.28	1.63	5.821428571	3.52E-12
OSBPL10	3,923	1.79	11.46	6.402234637	0
OSBPL11	4,196	1.32	3.45	2.613636364	5.27E-11
OSBPL1A	5,141	2.41	9.52	3.950207469	0
OSTF1	0.901	8.89	36.24	4.076490439	0
OSTF1P	0.751	0.92	11.33	12.31521739	0
OSTM1	4,467	0.33	2.81	8.515151515	0
OXNAD1	3,921	0.78	10.59	13.57692308	0
OXSR1	4,523	4.51	9.59	2.126385809	0
P117	0.9	9.78	27.05	2.765848671	0
P4HA2	2,706	0.47	4.45	9.468085106	0
P4HB	2,422	52.82	166.11	3.144831503	0
PA2G4	1,978	13.31	60.69	4.559729527	0
PA2G4P2	1.2	0.57	5.83	10.22807018	1.00E-15
PA2G4P4	2,757	0.75	3.85	5.133333333	0
PABPC4	3,048	23.01	47.09	2.046501521	0
PABPCP3	0.964	21.65	57.76	2.667898383	0
PAC SIN1	4,234	1.12	9.41	8.401785714	0
PAF1	2,425	13.99	36.94	2.64045747	0
PAFAH1B3	1,003	13.51	27.80	2.057735011	1.96E-13
PAICS	3,306	4.82	28.69	5.952282158	0
PAK1IP1	1,497	0.60	6.36	10.6	0
PAK4	4,366	0.70	3.80	5.428571429	0
PALB2	4,007	1.01	2.74	2.712871287	1.72E-09
PALM	2,874	33.19	91.18	2.747213016	0
PANK4	2,642	1.50	4.75	3.166666667	1.48E-12
PAPOLA	4,803	12.30	30.90	2.512195122	0
PAPSS1	2,542	3.42	10.83	3.166666667	0
PAQR4	2,446	1.13	7.50	6.637168142	0
PAQR8	4,637	0.06	2.87	47.833333333	0
PARK7	0.879	63.59	162.53	2.555905017	0
PARN	2,992	3.57	10.02	2.806722689	0
PARP1	3,861	33.24	149.86	4.508423586	0
PARP10	3.47	7.15	25.56	3.574825175	0
PARP16	2,534	1.37	5.95	4.343065693	0
PARP1P1	3.53	2.81	14.73	5.241992883	0

PARP9	3,233	3.76	10.92	2.904255319	0
PATZ1	6,396	5.62	15.53	2.763345196	0
PAXIP1	7,424	0.46	1.97	4.282608696	0
PC-3	0.68	7.71	21.30	2.762645914	5.84E-12
PCBD1	1,006	0.89	8.71	9.786516854	0
PCBD2	2,439	282.94	920.31	3.25266841	0
PCBP2	3,601	166.20	333.68	2.007701564	0
PCCA	2,494	1.03	9.66	9.378640777	0
PCCB	1,827	8.07	22.68	2.810408922	0
PCDH12	5,182	1.80	92.88	51.6	0
PCDH9	6,222	1.81	17.03	9.408839779	0
PCDHGA1	7,074	0.20	1.93	9.65	0
PCDHGA10	7.17	0.33	1.96	5.939393939	0
PCDHGA11	9,609	0.49	1.58	3.224489796	3.00E-15
PCDHGA12	7,237	0.60	3.99	6.65	0
PCDHGA2	7,262	0.19	1.78	9.368421053	0
PCDHGA3	7,095	0.20	1.92	9.6	0
PCDHGA4	7,131	0.20	1.91	9.55	0
PCDHGA5	7,044	0.25	2.12	8.48	0
PCDHGA6	7,062	0.71	2.23	3.14084507	2.00E-15
PCDHGA7	7,326	0.36	1.95	5.416666667	0
PCDHGA8	8,093	0.23	1.50	6.52173913	0
PCDHGA9	7,092	0.30	1.90	6.333333333	0
PCDHGB1	7,023	0.24	2.14	8.916666667	0
PCDHGB2	7,038	0.92	4.09	4.445652174	0
PCDHGB3	7,041	0.49	2.23	4.551020408	0
PCDHGB4	6.99	0.41	2.06	5.024390244	0
PCDHGB5	7,035	0.32	1.93	6.03125	0
PCDHGB6	7,062	0.25	2.10	8.4	0
PCDHGB7	7,311	0.39	2.04	5.230769231	0
PCDHGC3	7,435	2.29	14.52	6.340611354	0
PCDHGC4	7,239	0.31	1.87	6.032258065	0
PCDHGC5	7,278	0.34	1.84	5.411764706	0
PCGF2	2,604	3.49	23.19	6.64469914	0
PCID2	1,786	3.77	16.46	4.366047745	0
PCMT1	1,599	6.25	18.23	2.9168	0
PCNA	1,558	16.19	57.74	3.566399012	0

PCYOX1	4,225	0.63	3.37	5.349206349	0
PCYOX1L	2,506	3.59	8.87	2.470752089	3.00E-15
PCYT2	1.85	1.92	12.06	6.28125	0
PDAP1	5,011	7.17	19.24	2.683403068	0
PDCD11	6,416	2.48	11.58	4.669354839	0
PDCD2	2,753	7.84	15.69	2.00127551	0
PDCD2L	1,158	0.94	7.64	8.127659574	0
PDCD5	0.567	8.38	27.48	3.279236277	1.00E-15
PDCD6	1,132	12.15	73.37	6.038683128	0
PDCD7	2,851	3.44	8.89	2.584302326	0
PDCL3	1,066	3.99	10.90	2.731829574	1.19E-09
PDDC1	4,363	2.70	9.66	3.577777778	0
PDE4DIP	12,771	0.49	1.83	3.734693878	0
PDE6D	1,118	2.21	33.23	15.0361991	0
PDE6G	1,221	1.70	7.04	4.141176471	1.96E-11
PDF	1,158	3.50	12.48	3.565714286	1.00E-15
PDHB	1,501	11.34	31.65	2.791005291	0
PDIA3	3,054	34.73	106.96	3.079758134	0
PDIA3P	2,099	23.71	77.33	3.261493041	0
PDIA4	6,283	3.91	28.91	7.393861893	0
PDIA5	1,679	4.24	12.14	2.863207547	0
PDIA6	2,552	32.14	119.45	3.716552582	0
PDK2	2.29	2.51	13.72	5.466135458	0
PDLIM2	6,143	1.93	8.76	4.538860104	0
PDLIM7	2,074	2.10	10.77	5.128571429	0
PDSS2	3,526	0.53	2.08	3.924528302	7.50E-10
PDXP	2,005	0.84	20.25	24.10714286	0
PDZD11	1,663	3.51	15.09	4.299145299	0
PEA15	2,469	4.28	22.01	5.142523364	0
PEBP1	2,306	72.34	210.39	2.908349461	0
PECI	1,617	2.44	16.21	6.643442623	0
PELP1	3,393	9.13	24.05	2.634173056	0
PEMT	1,318	6.16	45.92	7.454545455	0
PEO1	3,602	1.38	7.81	5.65942029	0
PEPD	1,889	8.85	24.79	2.801129944	0
PES1	2,262	13.60	35.38	2.601470588	0
PET112L	2,011	1.67	8.71	5.215568862	0

PEX10	2.25	5.32	16.45	3.092105263	0
PEX14	1,908	4.15	13.33	3.212048193	0
PEX19	3,656	3.73	13.99	3.750670241	0
PEX3	1,967	0.51	4.24	8.31372549	0
PEX5	3,169	3.12	10.15	3.253205128	0
PEX6	3.27	6.81	33.34	4.895741557	0
PFAS	5,338	3.54	8.89	2.511299435	0
PFDN2	0.642	21.88	59.83	2.734460695	0
PFKM	2,747	4.32	10.18	2.356481481	0
PFKP	2,616	12.11	51.55	4.256812552	0
PFN1	0.915	225.98	1375.96	6.088857421	0
PFN2	3,467	0.09	5.49	61	0
PGAM1	1.72	2.76	9.06	3.282608696	1.00E-15
PGAM5	1,151	2.92	20.01	6.852739726	0
PGD	1,937	23.09	50.53	2.188393244	0
PGK1	2.32	37.01	84.71	2.288840854	0
PGK1P2	1,527	3.44	10.15	2.950581395	5.90E-14
PGLS	1,034	34.06	69.06	2.027598356	0
PGLYRP1	0.69	3.30	12.58	3.812121212	1.22E-10
PGM1	2,472	1.60	7.67	4.79375	0
PGM2	3,177	4.20	12.28	2.923809524	0
PGM5	3,338	1.13	7.88	6.973451327	0
PGRMC2	1,853	5.08	14.96	2.94488189	0
PHEX	2,861	0.20	2.47	12.35	0
PHF13	3,644	0.84	3.03	3.607142857	4.82E-13
PHF14	9.16	1.00	4.14	4.14	0
PHF15	6,463	7.41	23.45	3.164642375	0
PHF19	4,658	3.76	14.94	3.973404255	0
PHF23	1,971	4.32	19.23	4.451388889	0
PHGDHL1	2,525	7.32	15.24	2.081967213	0
PHLDA3	1,516	0.13	8.84	68	0
PHLDB1	5,695	0.62	2.35	3.790322581	1.00E-15
PHPT1	0.906	8.51	51.69	6.074030552	0
PIAS4	1,737	1.99	10.66	5.35678392	0
PIGK	1,887	0.94	5.49	5.840425532	0
PIGN	5,208	1.29	4.36	3.379844961	0
PIGP	1,174	1.77	6.31	3.564971751	1.03E-08

PIGU	1,832	1.72	13.06	7.593023256	0
PIGV	2,365	3.14	6.45	2.054140127	5.43E-08
PIGW	2,255	0.35	2.69	7.685714286	6.76E-12
PIK3AP1	4,811	3.76	50.71	13.48670213	0
PIK3CD	5,203	30.00	67.09	2.236333333	0
PIK3R2	3,938	0.58	10.76	18.55172414	0
PIK3R3	5,609	0.36	1.64	4.555555556	2.85E-13
PIM1	2,645	9.62	72.61	7.547817048	0
PIN1	0.997	21.14	51.54	2.438032167	0
PIN4	1,071	2.31	9.12	3.948051948	3.31E-12
PINX1	1,545	2.12	8.07	3.806603774	6.00E-15
PIP5K1C	5,047	3.32	12.33	3.713855422	0
PIP5K2B	4,768	8.10	23.28	2.874074074	0
PITPNB	2,925	8.02	18.31	2.283042394	0
PITPNM1	4,189	2.20	5.17	2.35	1.00E-13
PJA1	6,445	0.36	2.60	7.222222222	0
PKM2	3,585	55.00	280.48	5.099636364	0
PKMYT1	2,495	2.50	6.65	2.66	5.59E-13
PKN3	3,377	5.92	16.89	2.853040541	0
PKNOX1	6,673	1.26	2.80	2.222222222	8.30E-11
PKP4	4,591	1.55	7.80	5.032258065	0
PLA2G12A	1,659	0.47	3.25	6.914893617	6.98E-11
PLAUR	2,001	0.74	11.11	15.01351351	0
PLCB3	3,705	1.52	6.56	4.315789474	0
PLCL2	3.94	5.72	18.86	3.297202797	0
PLD3	2,408	12.58	34.81	2.76709062	0
PLD4	1,934	3.48	27.48	7.896551724	0
PLEKHA2	1,437	3.99	17.72	4.441102757	0
PLEKHG2	4,706	3.74	8.93	2.387700535	0
PLEKHG3	4.4	1.73	4.83	2.791907514	0
PLEKHJ1	1,215	10.91	39.31	3.603116407	0
PLEKHO1	1,615	50.79	131.91	2.597164796	0
PLK1	2,169	1.78	19.73	11.08426966	0
PLOD1	3,004	0.76	13.24	17.42105263	0
PLOD3	5,954	1.41	7.26	5.14893617	0
PLP2	0.929	44.41	106.72	2.403062373	0
PLSCR1	3,011	14.33	34.35	2.397069086	0

PLVAP	2,276	23.69	510.56	21.55170958	0
PLXND1	8,591	36.30	104.12	2.868319559	0
PMVK	1.28	5.10	37.65	7.382352941	0
PNKD	5,362	1.44	5.96	4.138888889	0
PNMA1	2,643	1.83	6.63	3.62295082	0
PNPLA4	2,815	0.60	2.60	4.333333333	4.71E-10
PNPO	2,397	0.66	12.90	19.54545455	0
PODNL1	2,164	0.41	3.00	7.317073171	1.73E-12
POFUT1	6,135	1.62	6.33	3.907407407	0
POGK	3,852	2.91	9.10	3.127147766	0
POLA1	5,437	1.09	4.57	4.19266055	0
POLA2	2,474	3.00	9.77	3.256666667	0
POLD1	3,443	3.05	13.83	4.53442623	0
POLD2	3,168	5.62	31.59	5.620996441	0
POLD3	3.43	1.01	6.87	6.801980198	0
POLD4	0.918	49.58	115.51	2.329770069	0
POLDIP2	2,683	11.62	31.90	2.745266781	0
POLDIP3	3,435	14.17	31.00	2.187720536	0
POLE4	0.696	8.39	28.32	3.375446961	0
POLH	3,464	4.26	16.95	3.978873239	0
POLM	5,147	1.88	4.79	2.54787234	0
POLR1A	5,398	1.96	6.20	3.163265306	0
POLR1B	5,969	0.50	4.28	8.56	0
POLR2C	1,804	18.26	50.29	2.754107338	0
POLR2D	1,907	5.09	13.91	2.73280943	0
POLR2E	1,226	25.90	77.99	3.011196911	0
POLR2F	0.545	8.53	52.55	6.160609613	0
POLR2G	0.827	21.06	73.34	3.482431149	0
POLR2H	0.821	5.55	32.42	5.841441441	0
POLR2I	0.872	8.17	37.38	4.575275398	0
POLR2K	0.971	10.39	21.86	2.103946102	5.01E-11
POLR2L	0.876	15.02	129.91	8.649134487	0
POLR3A	5,609	1.64	3.71	2.262195122	2.68E-12
POLR3D	1,929	4.46	18.34	4.112107623	0
POLR3GL	1,165	9.17	23.00	2.508178844	0
POLR3K	0.796	2.49	31.85	12.79116466	0
POLRMT	3,773	3.44	11.81	3.433139535	0

POMGNT1	2,711	4.23	20.85	4.929078014	0
POP1	3,244	0.19	2.29	12.05263158	0
POP4	1,108	5.00	16.20	3.24	0
POP5	0.833	5.11	32.77	6.412915851	0
POP7	1,668	3.68	8.44	2.293478261	5.35E-09
POT1	5,262	1.23	2.69	2.18699187	1.70E-08
POU2AF1	3,498	13.10	66.42	5.070229008	0
POU2F2	2,011	0.93	9.20	9.892473118	0
PPARA	13,437	0.42	3.96	9.428571429	0
PPAT	3,746	1.22	3.31	2.713114754	2.69E-10
PPFIA4	5,045	0.34	1.77	5.205882353	4.80E-14
PPIB	1,028	100.86	378.32	3.7509419	0
PPID	1,834	4.59	11.94	2.60130719	0
PPIE	1,619	9.41	20.03	2.12858661	0
PPIF	2,201	4.99	13.66	2.73747495	0
PPIL1	1,706	1.10	11.11	10.1	0
PPM1F	5,151	18.86	42.23	2.239130435	0
PPM1G	2.36	30.10	70.89	2.355149502	0
PPM1K	2,098	2.45	6.82	2.783673469	6.55E-12
PPM1M	2,429	4.68	12.00	2.564102564	0
PPME1	2,453	6.66	15.70	2.357357357	0
PPP1CA	1,635	35.94	139.36	3.877573734	0
PPP1R13B	4,833	0.82	6.53	7.963414634	0
PPP1R13L	3,093	1.02	4.41	4.323529412	0
PPP1R14B	0.987	11.83	47.20	3.989856298	0
PPP1R7	1,293	9.71	41.30	4.253347065	0
PPP1R9B	4,046	11.37	49.01	4.310466139	0
PPP2R2C	4,186	0.24	1.39	5.791666667	4.20E-10
PPP2R3B	2,786	2.77	7.62	2.750902527	0
PPP2R3C	1,834	3.08	7.16	2.324675325	1.60E-08
PPP2R4	3,021	11.79	33.10	2.807463953	0
PPP2R5D	3,449	4.76	23.37	4.909663866	0
PPP3CA	4,401	5.62	15.33	2.727758007	0
PPP3CB	3,068	3.84	12.02	3.130208333	0
PPP5C	2,062	5.81	32.35	5.567986231	0
PPRC1	5,338	1.59	7.70	4.842767296	0
PPT1	2.33	9.98	42.69	4.27755511	0

PQLC2	2,659	0.67	3.10	4.626865672	7.22E-12
PRAF2	1,263	10.89	26.01	2.388429752	0
PRAME	3,143	0.22	5.18	23.54545455	0
PRCP	2,628	2.41	8.11	3.365145228	0
PRDX1	1,646	33.60	368.31	10.96160714	0
PRDX2	1,465	8.03	25.36	3.158156912	0
PRDX3	1,812	4.04	30.87	7.641089109	0
PRDX4	0.921	6.76	26.98	3.99112426	0
PRDX5	0.884	29.10	93.57	3.215463918	0
PREB	2,165	2.47	21.75	8.805668016	0
PRELID1	1,191	9.97	43.36	4.349047141	0
PREP	2,849	4.76	12.27	2.577731092	0
PREPL	6,273	0.36	3.05	8.472222222	0
PREX1	7,695	39.33	84.37	2.145181795	0
PRIM1	1,462	0.74	5.25	7.094594595	6.00E-15
PRKACA	2,727	7.29	31.91	4.377229081	0
PRKACB	5,609	2.08	5.80	2.788461538	0
PRKAR1B	3,857	0.51	2.30	4.509803922	6.70E-13
PRKCA	8.77	3.31	21.35	6.450151057	0
PRKCI	4,874	0.73	2.19	3	5.93E-10
PRKD2	3,246	31.15	69.30	2.224719101	0
PRKDC	13,508	4.64	11.03	2.377155172	0
PRMT1	1,517	21.06	111.44	5.291547958	0
PRMT2	2,596	9.87	23.30	2.360688956	0
PRMT5	2,671	2.41	25.89	10.74273859	0
PRMT6	2,506	3.48	9.18	2.637931034	0
PRMT7	2.39	4.14	20.23	4.88647343	0
PROSC	2,995	1.75	11.34	6.48	0
PRPF19	2,153	31.85	83.33	2.616326531	0
PRPF31	2,128	15.25	33.45	2.193442623	0
PRPF40B	3,801	0.81	5.43	6.703703704	0
PRPF6	3,101	24.37	58.30	2.392285597	0
PRPS2	2,702	0.92	3.65	3.967391304	2.09E-12
PRPSAP1	1,728	3.84	19.31	5.028645833	0
PRPSAP2	1.89	1.99	7.27	3.653266332	1.00E-15
PRR11	1,317	2.40	11.38	4.741666667	0
PRR12	7,396	2.49	9.16	3.678714859	0

PRR13	1,554	22.35	74.91	3.351677852	0
PRRC1	4,644	2.32	7.69	3.314655172	0
PRSS21	1,565	10.75	23.52	2.187906977	0
PRSSL1	1,089	8.27	47.34	5.724304716	0
PRTN3	1,001	5.93	20.45	3.44856661	0
PRUNE	2,977	2.43	9.06	3.728395062	0
PSCD2	1,534	13.74	31.90	2.321688501	0
PSD4	5,039	3.64	19.49	5.354395604	0
PSENE	0.665	9.97	66.12	6.631895687	0
PSKH1	3,441	4.83	14.17	2.933747412	0
PSMA4	1,174	23.93	53.96	2.254910155	0
PSMA5	1,685	16.38	50.77	3.0995116	0
PSMA6	1,466	89.22	208.85	2.34084286	0
PSMA7	1,535	23.14	113.00	4.883318928	0
PSMB10	0.979	35.47	107.21	3.022554271	0
PSMB2	0.845	35.83	75.37	2.103544516	0
PSMB3	1,597	20.57	89.04	4.328633933	0
PSMB5	1,049	12.17	42.64	3.503697617	0
PSMB6	0.826	25.51	74.55	2.922383379	0
PSMC1P	1,558	4.07	9.95	2.444717445	7.11E-11
PSMC5	1.54	33.02	83.53	2.529678982	0
PSMD1	3,227	7.63	19.78	2.592398427	0
PSMD10	2,555	3.29	14.05	4.270516717	0
PSMD14	1,261	5.25	20.38	3.881904762	0
PSMD3	2,428	27.67	77.92	2.816046259	0
PSMD4P2	3,406	3.95	10.37	2.625316456	0
PSMD8	1,508	20.07	70.49	3.512207275	0
PSMD9	2,343	10.18	21.89	2.150294695	0
PSME2	0.829	14.32	73.36	5.122905028	0
PSME2P	0.78	3.17	16.74	5.280757098	0
PSME3	3,281	12.69	39.82	3.137903861	0
PSMF1	6,152	10.17	25.14	2.471976401	0
PSPH	4,236	0.88	3.54	4.022727273	0
PSRC1	3,168	0.44	3.19	7.25	0
PSTPIP2	2.9	8.87	18.77	2.116121759	0
PTBP1	4,436	31.82	87.21	2.740729101	0
PTDSS1	2,504	20.82	45.75	2.19740634	0

PTGDR	2,942	2.72	6.38	2.345588235	5.09E-12
PTGES2	3,167	3.84	11.94	3.109375	0
PTGES3	1.47	24.70	59.67	2.415789474	0
PTGFRN	6.16	0.04	1.56	39	0
PTGIR	2,086	3.18	21.04	6.616352201	0
PTGIS	5,603	0.02	6.45	322.5	0
PTGS1	5,269	0.76	2.09	2.75	1.72E-09
PTMA	3,376	114.94	508.22	4.421611275	0
PTMAP7	1.06	35.10	108.79	3.099430199	0
PTOV1	3,404	22.30	52.18	2.339910314	0
PTP4A3	3,834	33.21	80.22	2.415537489	0
PTPLAD1	1,864	4.04	23.21	5.745049505	0
PTPLAD2	4,081	2.43	5.74	2.362139918	7.00E-15
PTPLB	4,261	2.81	8.22	2.925266904	0
PTPN3	4,084	0.73	3.54	4.849315068	0
PTPN7	3,516	3.49	28.92	8.286532951	0
PTPN9	3,938	2.86	13.32	4.657342657	0
PTPRA	3,942	9.01	27.75	3.07991121	0
PTPRCAP	0.907	101.33	430.00	4.243560643	0
PTPRG	5,771	1.51	3.66	2.42384106	5.40E-14
PTRH1	0.815	1.46	7.34	5.02739726	1.49E-09
PTTG1	0.712	4.30	38.33	8.913953488	0
PUS1	2,563	5.56	24.25	4.361510791	0
PVRL1	6,114	0.10	4.08	40.8	0
PWP2	3.26	2.55	11.03	4.325490196	0
PXMP2	0.957	4.76	24.47	5.140756303	0
PXMP4	2,987	0.33	2.51	7.606060606	1.90E-14
PYCARD	1,021	12.69	59.32	4.674546887	0
PYCR1	2,702	1.98	20.04	10.12121212	0
PYCR2	1,933	23.08	116.92	5.065857886	0
PYCRL	2,332	0.55	5.86	10.65454545	0
PYGB	4,131	3.64	9.69	2.662087912	0
PYGL	2.83	1.30	4.67	3.592307692	8.00E-15
PYGM	3,447	0.60	6.53	10.88333333	0
PYGO2	3.18	6.51	24.11	3.703533026	0
QDPR	1,502	3.49	16.15	4.627507163	0
QSCN6	4,356	4.38	19.16	4.374429224	0

R3HCC1	1,625	8.40	23.84	2.838095238	0
R3HDM1	4,647	3.11	10.72	3.446945338	0
RAB10	3,495	6.31	18.58	2.944532488	0
RAB11A	2,393	19.55	40.50	2.071611253	0
RAB11B	1,981	35.96	74.65	2.075917686	0
RAB15	3,312	23.63	58.60	2.479898434	0
RAB1B	1,906	26.27	84.41	3.213170917	0
RAB1C	0.606	11.27	29.19	2.590062112	3.79E-13
RAB20	1,509	1.24	10.38	8.370967742	0
RAB31	3,952	1.13	2.77	2.451327434	4.77E-08
RAB37	4,214	4.53	9.80	2.163355408	0
RAB40C	2,612	2.38	7.61	3.197478992	0
RAB4B	1,351	19.26	50.91	2.643302181	0
RAB5B	3,722	21.21	55.58	2.620462046	0
RAB8A	2,177	15.64	54.68	3.496163683	0
RABEPK	1,437	2.96	13.07	4.415540541	0
RABGGTA	2,368	4.30	10.74	2.497674419	0
RABIF	2.43	0.65	4.61	7.092307692	0
RABL2A	2,312	2.35	5.58	2.374468085	4.63E-09
RABL4	1,021	1.55	11.88	7.664516129	0
RAC2	1,468	25.48	135.65	5.323783359	0
RACGAP1	3,229	1.62	12.47	7.697530864	0
RAD23A	2,035	30.29	65.91	2.175965665	0
RAD51	2,407	0.45	3.88	8.622222222	0
RAD51C	1,686	0.76	7.34	9.657894737	0
RAD51L3	2,384	0.87	3.60	4.137931034	3.08E-11
RAD54L	3,096	0.90	4.00	4.444444444	0
RAG1	6,571	13.08	34.66	2.649847095	0
RAG1AP1	1,298	5.56	28.42	5.111510791	0
RAG2	2,388	3.56	7.72	2.168539326	2.13E-10
RAI14	4,901	2.63	16.98	6.456273764	0
RALA	5,592	1.43	4.22	2.951048951	0
RALB	2,261	12.99	43.81	3.372594303	0
RAN	1,657	27.58	74.68	2.707759246	0
RANBP1	0.884	13.21	39.93	3.022710068	0
RANGAP1	3,021	10.41	35.02	3.364073007	0
RANGNRF	0.83	7.39	17.31	2.342354533	2.00E-09

RARG	2.9	2.25	6.97	3.097777778	0
RASGRP3	4,554	1.26	10.10	8.015873016	0
RASIP1	3,302	0.30	16.40	54.66666667	0
RASSF7	1.53	2.39	10.57	4.422594142	0
RASSF8	2.32	0.38	3.56	9.368421053	0
RAVER1	3,097	4.69	40.23	8.57782516	0
RB1	4.74	4.05	13.45	3.320987654	0
RBBP8	4,102	1.21	3.96	3.272727273	0
RBBP9	3,861	0.15	2.16	14.4	0
RBCK1	3,383	9.27	20.82	2.245954693	0
RBM10	3,756	13.56	29.33	2.162979351	0
RBM23	2,413	16.85	35.36	2.09851632	0
RBM28	5,616	1.25	2.80	2.24	1.87E-09
RBPMS	3,534	0.68	4.32	6.352941176	0
RC74	2.54	2.03	11.91	5.866995074	0
RCCD1	2,767	1.04	7.06	6.788461538	0
RCL1	2,063	3.02	9.76	3.231788079	0
RCN3	1,854	6.51	14.91	2.290322581	0
RCOR2	2,931	1.89	9.33	4.936507937	0
RDH11	2,518	4.52	29.84	6.601769912	0
RECK	4,412	0.72	3.42	4.75	0
RECQL4	3,628	1.31	3.90	2.977099237	4.80E-13
RENBP	1.47	3.56	13.41	3.766853933	0
RER1	2.94	12.42	30.78	2.47826087	0
RETSAT	3,001	4.74	19.51	4.116033755	0
REXO4	2.36	6.12	20.81	3.400326797	0
RFC2	3,388	2.77	9.08	3.277978339	0
RFC4	1,571	2.39	11.74	4.912133891	0
RFT1	2,782	2.31	7.24	3.134199134	0
RFTN1	3,105	38.39	114.12	2.972649127	0
RFX1	4.33	2.40	6.59	2.745833333	0
RFX5	3,736	23.44	52.95	2.258959044	0
RFXANK	1,519	4.30	25.56	5.944186047	0
RGS14	2,406	2.18	12.36	5.669724771	0
RGS16	2,427	0.49	2.78	5.673469388	2.78E-11
RGS19	1,692	5.08	57.85	11.38779528	0
RHBDD1	2,423	2.41	5.75	2.385892116	2.26E-09

RHBDD3	1,738	3.36	7.66	2.279761905	1.63E-08
RHOBTB2	5,077	1.01	5.89	5.831683168	0
RHOBTB3	4,124	0.38	2.17	5.710526316	5.00E-15
RHOT1	5,537	1.93	6.07	3.14507772	0
RHOU	4,322	0.25	3.08	12.32	0
RIC8A	2,702	16.66	34.51	2.071428571	0
RILP	1,792	2.37	7.43	3.135021097	2.42E-13
RIMS3	7,233	0.74	7.98	10.78378378	0
RIOK1	2,728	3.16	7.72	2.443037975	3.10E-14
RKHD1	2,132	0.42	2.92	6.952380952	1.48E-11
RMI1	3,416	0.44	2.00	4.545454545	4.32E-10
RN7SK	0.332	3.88	64.96	16.74226804	0
RN7SL1	0.299	11.91	47.61	3.997481108	0
RNASE1	1,124	0.00	35.60	35.60	0
RNASE6	1,059	1.31	32.45	24.77099237	0
RNASEH2A	1,142	1.82	24.12	13.25274725	0
RNASEH2C	0.887	10.71	49.01	4.576097106	0
RNASEL	4,148	0.64	3.94	6.15625	0
RNASEN	4.74	5.82	12.92	2.219931271	0
RNASET2	5,865	78.00	343.69	4.406282051	0
RNF123	4,255	4.79	12.69	2.649269311	0
RNF130	1,847	28.02	75.53	2.69557459	0
RNF14	3,903	1.82	6.19	3.401098901	0
RNF141	4,084	2.57	5.61	2.182879377	1.28E-12
RNF167	1,708	15.41	74.57	4.839065542	0
RNF170	1,851	0.69	3.31	4.797101449	9.13E-10
RNF185	3,166	3.35	9.93	2.964179104	0
RNF187	3.81	4.49	28.96	6.449888641	0
RNF2	3,551	2.51	5.33	2.123505976	4.53E-10
RNF20	3.94	4.72	13.77	2.917372881	0
RNF214	2,338	2.75	8.32	3.025454545	0
RNF26	2,786	11.33	26.51	2.339805825	0
RNF34	2,195	5.00	11.74	2.348	0
RNF40	4,233	10.24	25.11	2.452148438	0
RNF41	3,846	5.89	12.68	2.152801358	0
RNH1	2,218	7.85	24.27	3.091719745	0
RNPEP	2,413	9.51	20.39	2.144058885	0

RNPEPL1	2,913	24.45	57.08	2.334560327	0
RNPS1	2.99	34.25	71.10	2.075912409	0
RORC	3,214	0.15	2.15	14.33333333	0
RP11-320C15.1	0.835	6.16	20.07	3.258116883	0
RP11-506K6.3	1,151	2.06	12.88	6.252427184	0
RP13-15M17.2	3,846	0.75	4.16	5.546666667	0
RP3-405J24.3	0.548	27.81	85.92	3.089536138	0
RP4-691N24.1	4,973	2.65	6.64	2.505660377	0
RP5-1077B9.4	2,588	8.79	38.54	4.384527873	0
RPA1	2,795	4.00	35.89	8.9725	0
RPA2	1.72	5.81	35.02	6.027538726	0
RPAP1	4,672	3.28	9.63	2.93597561	0
RPH3AL	2,584	0.46	16.58	36.04347826	0
RPIA	1,834	3.88	20.63	5.317010309	0
RPL12P4	0.497	46.58	115.08	2.470588235	0
RPL13P2	0.659	35.58	83.22	2.338954469	0
RPL22L1	2,054	6.50	15.50	2.384615385	0
RPL29	0.695	448.85	933.26	2.079224685	0
RPL7A	1,157	336.75	684.96	2.03403118	0
RPN1	2,341	27.55	93.05	3.377495463	0
RPN2	2.49	13.75	101.25	7.363636364	0
RPP40	1,159	0.34	7.41	21.79411765	0
RPPH1	0.341	9.87	27.67	2.803444782	1.62E-08
RPS15AP1	0.296	32.76	81.67	2.492979243	0
RPS18P2	0.538	377.36	785.37	2.081222175	0
RPS19BP1	0.927	16.11	40.71	2.527001862	0
RPS19P1	0.468	346.91	895.64	2.581764723	0
RPS25	0.492	1480.63	3038.82	2.052383107	0
RPS27L	1,084	3.83	22.46	5.864229765	0
RPS2L1	0.966	1.12	6.80	6.071428571	3.92E-12
RPS2P4	0.942	1.89	7.69	4.068783069	1.19E-09
RPS6KA1	3,383	8.57	38.37	4.477246208	0
RPS6KA4	3,253	2.83	14.32	5.060070671	0
RPS6KC1	4,182	0.57	2.36	4.140350877	5.27E-13
RPS9	1,011	905.80	2082.27	2.298818724	0
RPUSD1	2.05	4.20	17.91	4.264285714	0
RPUSD2	1,839	2.69	6.50	2.416356877	2.30E-08

RPUSD3	1,201	1.16	27.29	23.52586207	0
RRAS	0.983	4.53	14.14	3.121412804	1.88E-13
RRBP1	5,612	24.70	64.04	2.592712551	0
RRM1	3,104	7.30	17.40	2.383561644	0
RRM2	2,473	3.00	21.94	7.313333333	0
RRP12	4,364	3.70	8.86	2.394594595	0
RRP9	1,543	2.12	18.35	8.655660377	0
RRS1	1,706	2.84	14.46	5.091549296	0
RSAD1	2,499	2.34	15.44	6.598290598	0
RSHL2	2,177	0.73	3.76	5.150684932	8.42E-13
RSL1D1	1,932	44.19	89.86	2.03349174	0
RSRC1	1,634	2.36	7.01	2.970338983	8.96E-11
RSU1	3,806	1.84	10.14	5.510869565	0
RTKN	3,049	0.65	7.24	11.13846154	0
RTN2	3.37	0.38	2.37	6.236842105	2.00E-14
RTN3	8,397	3.75	8.37	2.232	0
RTN4RL1	3,164	0.10	4.55	45.5	0
RUFY1	3,213	4.52	13.82	3.057522124	0
RUNX1	8,379	7.09	27.34	3.856135402	0
RUNX2	6,334	0.47	4.38	9.319148936	0
RUSC1	2,163	2.56	7.55	2.94921875	2.00E-14
RUVBL1	1,736	2.17	32.95	15.1843318	0
RUVBL2	1,488	9.11	61.53	6.754116356	0
S100A1	0.594	32.48	121.39	3.737376847	0
SAC3D1	1,538	0.52	15.06	28.96153846	0
SAE1	2,109	20.78	62.59	3.012030799	0
SAE2	2,665	7.27	23.39	3.217331499	0
SAMD1	0.663	4.62	38.68	8.372294372	0
SAMD9	14,225	1.30	3.54	2.723076923	0
SAMD9L	14,264	0.93	2.17	2.333333333	0
SAMHD1	2,701	1.76	6.36	3.613636364	0
SAMM50	1,716	7.21	16.20	2.246879334	1.00E-15
SAMSN1	1,888	3.46	20.62	5.959537572	0
SARS2	2,057	3.85	8.44	2.192207792	4.69E-10
SCAMP2	2.04	17.99	54.94	3.053918844	0
SCAMP3	1,883	6.67	40.31	6.043478261	0
SCAMP4	2,526	3.60	21.81	6.058333333	0

SCAMP5	3,382	0.32	2.71	8.46875	0
SCAP	4,255	8.07	28.39	3.517967782	0
SCARB1	2,555	8.75	22.12	2.528	0
SCC-112	6,714	8.81	18.89	2.14415437	0
SCCPDH	2,474	5.12	13.35	2.607421875	0
SCD5	4,207	0.35	2.57	7.342857143	0
SCFD2	3,176	1.43	5.52	3.86013986	0
SCHIP1	2,394	5.21	23.06	4.426103647	0
SCLY	2,412	1.23	6.53	5.308943089	0
SCN1B	2,278	3.00	51.73	17.24333333	0
SCN3A	9,093	0.19	0.76	4	3.10E-09
SCNM1	1,484	11.40	25.37	2.225438596	0
SCO2	0.929	1.49	11.12	7.463087248	0
SCOTIN	2,166	28.37	79.10	2.788156503	0
SCP2	4,928	3.07	9.42	3.068403909	0
SCRIB	5,208	5.08	12.61	2.482283465	0
SCUBE2	3,737	0.48	1.83	3.8125	1.17E-08
SCYL1	2.57	13.86	29.40	2.121212121	0
SDAD1	2,753	3.45	9.42	2.730434783	0
SDCCAG10	2.08	2.57	10.53	4.097276265	0
SDCCAG3	2,379	1.54	15.97	10.37012987	0
SDF2	1,075	13.07	29.85	2.283856159	0
SDF2L1	0.874	2.94	43.27	14.71768707	0
SDF4	3.33	12.10	40.59	3.354545455	0
SDHA	2,276	25.43	58.89	2.315768777	0
SDHC	5,281	1.33	8.20	6.165413534	0
SDHD	1,313	4.07	13.02	3.199017199	0
SEC13	1,574	21.56	84.82	3.934137291	0
SEC22B	1,821	9.56	25.80	2.69874477	0
SEC23B	3,949	2.96	11.67	3.942567568	0
SEC23IP	4,243	2.94	8.93	3.037414966	0
SEC24D	3.99	0.89	5.59	6.280898876	0
SEC31A	4,237	7.85	31.49	4.011464968	0
SEC61A1	3,997	40.42	82.26	2.035131123	0
SECTM1	2,002	2.03	8.71	4.290640394	0
SELL	2,324	4.09	12.43	3.039119804	0
SELS	1,878	1.80	9.73	5.405555556	0

SEMA3F	3,516	0.12	2.23	18.58333333	0
SEMA4A	3.23	1.14	3.52	3.087719298	3.21E-11
SEMA6B	4,634	0.47	1.67	3.553191489	6.34E-09
SEMA7A	2.66	0.71	7.13	10.04225352	0
SENP3	2,411	6.60	30.78	4.663636364	0
SEPN1	4,332	28.89	68.56	2.373139495	0
SEPT11	5,555	3.17	13.30	4.195583596	0
SEPT6	8,577	23.72	63.07	2.658937605	0
SEPT9	4.1	110.25	288.70	2.618594104	0
SEPW1	0.88	6.07	34.08	5.614497529	0
SEPX1	1,367	2.24	20.09	8.96875	0
SERBP1	6,914	9.46	19.64	2.076109937	0
SERF2	0.967	121.96	496.86	4.073958675	0
SERHL2	1,374	2.73	7.11	2.604395604	3.39E-08
SERPING1	2,005	2.71	14.45	5.332103321	0
SERPINH1	2,204	2.24	48.31	21.56696429	0
SESN2	3,485	0.97	3.63	3.742268041	8.00E-15
SET	2,559	29.85	68.11	2.281742044	0
SETBP1	5,744	1.29	3.38	2.620155039	8.00E-15
SETD3	3.3	4.47	18.99	4.248322148	0
SETD8	2,751	3.06	13.75	4.493464052	0
SETDB2	3,298	2.61	6.85	2.624521073	0
SF3A1	5,391	17.67	42.89	2.427277872	0
SF3A3P1	1,477	1.21	9.64	7.966942149	0
SF3A3P2	2,716	1.53	4.43	2.895424837	9.44E-11
SF3B3	4.34	11.55	46.15	3.995670996	0
SF3B4	1,549	39.73	80.32	2.021646111	0
SFRS1	2,941	29.44	61.26	2.080842391	0
SFRS5	3,382	117.10	243.46	2.079077711	0
SFRS7	3,269	18.58	44.11	2.374058127	0
SFRS9	2,528	30.49	82.15	2.694326009	0
SFT2D3	2,811	1.94	4.65	2.396907216	4.06E-09
SFXN2	2,559	0.58	3.19	5.5	4.48E-13
SFXN4	2,229	1.02	5.48	5.37254902	0
SGOL2	4,154	0.19	2.17	11.42105263	0
SGPL1	4,692	6.05	14.45	2.388429752	0
SH2D3C	3,106	22.08	106.37	4.817481884	0

SH3BGRL3	0.884	143.37	460.34	3.210853038	0
SH3KBP1	4,145	17.26	49.41	2.862688297	0
SH3PXD2B	7,777	0.56	1.66	2.964285714	7.39E-12
SHANK1	6,643	1.43	4.71	3.293706294	0
SHARPIN	1,764	9.59	24.07	2.509906152	0
SHCBP1	3,206	1.88	4.52	2.404255319	3.51E-10
SHH	4,525	6.88	15.55	2.260174419	0
SHKBP1	2,328	13.94	36.15	2.593256815	0
SHMT2	2,095	15.92	37.87	2.378768844	0
SHQ1	2,848	0.38	5.44	14.31578947	0
SIHBP1	1,887	11.38	63.30	5.562390158	0
SIGIRR	1,854	14.30	45.25	3.164335664	0
SIGLEC1	6.72	0.16	1.09	6.8125	5.60E-14
SIL1	1,989	5.57	14.95	2.684021544	0
SIRPA	4,487	3.66	8.99	2.456284153	0
SIRT2	2,815	6.19	22.48	3.631663974	0
SIRT5	2,941	0.87	3.03	3.482758621	2.62E-10
SIRT6	1,636	2.18	11.43	5.243119266	0
SIRT7	1,713	8.20	16.52	2.014634146	5.02E-13
SIX5	3,145	0.10	6.99	69.9	0
SKAP2	7,943	0.35	2.06	5.885714286	0
SKP1A	3,204	13.93	35.68	2.56137832	0
SKP2	1.8	3.02	6.97	2.30794702	2.49E-08
SLAMF6	2,733	0.68	2.86	4.205882353	7.41E-11
SLAMF8	3,178	0.75	7.08	9.44	0
SLC10A3	2,124	2.60	6.70	2.576923077	5.96E-11
SLC12A2	6.86	0.52	1.50	2.884615385	1.86E-09
SLC12A4	3.84	1.37	3.20	2.335766423	4.09E-08
SLC15A4	2,768	2.25	8.34	3.706666667	0
SLC16A1	3,355	2.19	6.91	3.155251142	0
SLC16A13	1,281	0.23	7.69	33.43478261	0
SLC19A1	4,332	2.12	7.45	3.514150943	0
SLC1A5	2,844	2.40	35.60	14.833333333	0
SLC20A2	3,909	2.38	4.95	2.079831933	5.93E-10
SLC22A16	1,971	2.26	14.91	6.597345133	0
SLC22A18	1,613	2.82	9.61	3.407801418	0
SLC24A1	5,377	2.22	8.04	3.621621622	0

SLC25A1	1,583	8.50	34.06	4.007058824	0
SLC25A11	1.49	4.65	42.97	9.240860215	0
SLC25A15	1,621	0.30	3.32	11.06666667	5.92E-13
SLC25A17	2,266	0.61	4.57	7.491803279	0
SLC25A19	1,651	0.30	8.27	27.56666667	0
SLC25A20	1,787	1.00	30.41	30.41	0
SLC25A22	2,754	1.90	7.09	3.731578947	0
SLC25A33	1,461	1.28	4.85	3.7890625	2.98E-09
SLC25A39	1.55	29.81	71.63	2.402884938	0
SLC25A40	3.03	0.62	2.52	4.064516129	4.80E-10
SLC27A1	3,547	3.80	12.42	3.268421053	0
SLC27A3	2,413	8.32	48.21	5.794471154	0
SLC27A4	2,948	0.51	9.37	18.37254902	0
SLC29A1	2,162	0.51	4.01	7.862745098	0
SLC29A3	2.24	1.90	7.10	3.736842105	0
SLC2A9	2,079	1.72	16.37	9.51744186	0
SLC30A5	3,979	1.61	6.46	4.01242236	0
SLC35A4	2,657	9.61	38.80	4.037460978	0
SLC35A5	2.94	1.85	5.13	2.772972973	1.49E-12
SLC35B2	2,024	6.79	24.56	3.617083947	0
SLC35B3	2.04	1.60	4.91	3.06875	1.17E-09
SLC35B4	13.59	0.83	1.92	2.313253012	1.00E-15
SLC35C1	2,793	1.70	8.09	4.758823529	0
SLC35C2	2,824	4.98	14.97	3.006024096	0
SLC35F2	2.91	0.82	7.61	9.280487805	0
SLC37A4	2.52	1.69	7.62	4.50887574	0
SLC38A5	2,655	2.53	9.23	3.648221344	0
SLC39A1	2,427	7.05	28.53	4.046808511	0
SLC39A11	2,737	1.33	7.44	5.593984962	0
SLC39A14	4,611	0.26	7.55	29.03846154	0
SLC39A3	4,158	2.31	8.80	3.80952381	0
SLC39A4	3,124	0.63	4.88	7.746031746	0
SLC39A5	2.85	4.65	10.28	2.210752688	0
SLC39A6	2,733	1.56	7.06	4.525641026	0
SLC39A8	3,292	4.84	10.88	2.247933884	0
SLC3A2	3,127	14.30	41.27	2.886013986	0
SLC41A1	4,854	15.02	34.02	2.264980027	0

SLC43A1	2,498	2.50	18.95	7.58	0
SLC43A3	2,822	6.69	94.41	14.11210762	0
SLC44A1	4,298	8.98	48.26	5.374164811	0
SLC45A3	3,382	1.81	25.98	14.35359116	0
SLC4A1	3,636	1.44	10.12	7.027777778	0
SLC4A1AP	2,954	2.31	8.04	3.480519481	0
SLC4A2	8,112	2.63	9.26	3.520912548	0
SLC5A6	3,145	3.11	19.37	6.22829582	0
SLC7A1	7,239	1.85	4.23	2.286486486	0
SLC7A6	6.25	8.61	18.52	2.150987224	0
SLC7A6OS	1,607	6.22	13.05	2.09807074	8.02E-11
SLC9A1	4,517	1.99	12.93	6.497487437	0
SLC9A3R1	1,984	10.83	75.32	6.954755309	0
SLC9A3R2	1,557	9.15	43.63	4.768306011	0
SLC9A9	3,543	1.90	14.22	7.484210526	0
SLCO2B1	4,068	4.69	74.98	15.98720682	0
SMARCAL1	3.04	0.82	5.98	7.292682927	0
SMARCB1	1,815	25.02	105.26	4.207034373	0
SMARCC1	5,749	10.44	24.95	2.389846743	0
SMARCD2	2,704	31.65	65.48	2.068878357	0
SMC1A	9,725	2.80	15.84	5.657142857	0
SMC2	4,149	0.84	5.65	6.726190476	0
SMO	7,476	0.60	4.57	7.616666667	0
SMPD1	3,272	1.90	4.43	2.331578947	1.03E-09
SMPD2	1.68	5.77	13.09	2.268630849	4.69E-13
SMS	1,688	6.62	21.66	3.271903323	0
SMTN	3,671	0.73	3.71	5.082191781	0
SMUG1	1.57	0.69	5.47	7.927536232	0
SMYD2	1,671	3.67	8.42	2.294277929	5.35E-09
SMYD5	2,543	3.96	8.34	2.106060606	4.37E-11
SNAI1	1,695	11.27	22.56	2.001774623	0
SNAP29	2,869	2.73	8.60	3.15018315	0
SNAPAP	0.96	9.28	31.94	3.441810345	0
SNAPC2	1,513	2.29	8.51	3.716157205	8.00E-15
SNAPC3	3,095	1.08	3.65	3.37962963	2.44E-12
SND1	7,016	18.40	38.60	2.097826087	0
SNHG8	0.874	2.27	8.57	3.775330396	2.86E-09

SNORA73A	0.207	4.30	38.25	8.895348837	0
SNRPA	1,606	30.56	69.34	2.268979058	0
SNRPD3	1,685	16.97	53.88	3.175014732	0
SNRPG	0.58	10.24	25.56	2.49609375	8.83E-11
SNRPN	2,169	6.25	18.26	2.9216	0
SNUPN	1,434	2.14	18.56	8.672897196	0
SNURF	1,351	16.26	48.26	2.96801968	0
SNX11	2,656	1.68	5.27	3.136904762	1.25E-13
SNX12	0.642	3.08	13.60	4.415584416	4.72E-12
SNX15	1,909	2.74	12.53	4.572992701	0
SNX22	3,614	5.56	18.60	3.345323741	0
SNX27	7,085	1.00	5.33	5.33	0
SNX3	1,463	35.78	72.55	2.027669089	0
SNX7	2,337	7.66	18.69	2.439947781	0
SOD1	0.966	44.45	145.71	3.278065242	0
SOLH	4,744	4.92	18.50	3.760162602	0
SONP1	2.49	1.51	9.57	6.337748344	0
SORD	2,515	1.69	10.85	6.420118343	0
SOX12	4.63	2.50	19.03	7.612	0
SP110	2,683	4.50	9.23	2.051111111	5.11E-12
SP140	3,567	0.75	2.93	3.906666667	5.17E-13
SPAG5	3,808	2.28	8.18	3.587719298	0
SPARC	3,141	10.11	29.02	2.870425321	0
SPC24	2,289	2.29	11.55	5.043668122	0
SPECC1	4,706	0.63	4.19	6.650793651	0
SPECC1L	6,211	3.33	8.15	2.447447447	0
SPG20	4,822	1.15	5.24	4.556521739	0
SPG21	1,798	9.69	30.12	3.108359133	0
SPHK1	2,997	5.32	12.14	2.281954887	0
SPHK2	2,963	1.64	7.88	4.804878049	0
SPINT2	1,552	48.45	103.96	2.145717234	0
SPN	6,973	4.99	18.88	3.783567134	0
SPRED1	3,816	1.09	2.85	2.614678899	8.61E-09
SPRY4	4,925	0.80	11.44	14.3	0
SPRYD3	2,568	1.16	9.91	8.543103448	0
SPRYD4	1,077	2.84	11.11	3.911971831	6.00E-15
SPSB1	3,075	3.22	13.15	4.083850932	0

SPSB2	1,188	0.84	5.60	6.666666667	2.33E-12
SPSB4	2,418	0.08	7.04	88	0
SPTB	10,436	0.20	1.10	5.5	0
SPTLC2	8,042	12.10	25.69	2.123140496	0
SRBD1	3,663	1.84	3.87	2.10326087	9.19E-08
SRD5A2L	2,272	0.30	3.71	12.366666667	0
SRF	4,318	5.62	19.62	3.491103203	0
SRGAP2	6,323	4.49	9.50	2.115812918	0
SRM	1,273	16.56	107.26	6.47705314	0
SRP68	2,515	12.86	30.68	2.385692068	0
SRPRB	1,745	4.65	19.67	4.230107527	0
SRR	2,477	1.04	6.19	5.951923077	0
SSB	1,643	14.27	35.89	2.515066573	0
SSBP3	4.05	0.58	12.15	20.94827586	0
SSBP4	1,884	2.26	8.53	3.774336283	0
SSH1	4,023	0.79	2.89	3.658227848	1.91E-13
SSNA1	0.858	23.06	62.74	2.720728534	0
SSR1	3,236	12.63	29.34	2.32304038	0
SSR2	1,092	84.99	182.13	2.142957995	0
SSR3	3,064	8.30	17.68	2.130120482	0
SSR4	0.902	79.74	261.96	3.285176825	0
SSRP1	2,819	19.58	64.48	3.293156282	0
SSSCA1	0.654	6.05	27.69	4.576859504	0
SSU72	2,801	19.82	44.87	2.263874874	0
ST14	3.3	2.49	14.27	5.730923695	0
ST3GAL2	2,479	1.28	5.85	4.5703125	0
ST3GAL3	3,596	5.31	14.83	2.792843691	0
ST5	4,705	0.48	3.06	6.375	0
ST6GAL1	4,629	2.39	14.87	6.221757322	0
ST6GALNAC4	2,104	8.27	18.70	2.261185006	0
ST7L	4,861	1.24	3.02	2.435483871	1.76E-10
STAMPB	2,618	2.00	9.53	4.765	0
STAP2	1,612	2.83	12.38	4.374558304	0
STAT1	4,504	1.72	8.68	5.046511628	0
STAT6	3,979	18.62	68.11	3.657894737	0
STAU2	4,042	0.79	2.54	3.215189873	1.68E-10
STC2	5,343	0.67	8.04	12	0

STIL	5,185	0.75	2.01	2.68	1.27E-08
STIP1	2,111	7.17	93.69	13.06694561	0
STK10	4,383	12.59	31.20	2.478157268	0
STK11	3,276	9.70	25.04	2.581443299	0
STK3	2.82	1.16	3.73	3.215517241	1.02E-10
STK39	3,273	4.60	10.68	2.32173913	0
STMN1	1,918	22.43	110.72	4.936246099	0
STOM	5,199	10.09	23.57	2.335976214	0
STOML1	1,986	0.69	3.56	5.15942029	1.88E-11
STOML2	1,278	10.53	27.69	2.62962963	0
STRA13	0.73	5.96	30.69	5.149328859	0
STRBP	3,007	10.96	31.91	2.91149635	0
STS	6,352	0.75	4.70	6.266666667	0
STT3A	2,463	10.76	62.89	5.844795539	0
STUB1	1,602	11.42	36.28	3.176882662	0
STX8	0.968	6.85	23.41	3.417518248	0
STXBP1	5,826	0.17	3.73	21.94117647	0
STYXL1	2,832	1.12	10.60	9.464285714	0
SUCLG2	2,319	5.37	13.30	2.476722533	0
SUFU	4,898	1.35	9.07	6.718518519	0
SULF2	3,897	1.80	7.95	4.416666667	0
SUMF2	4.01	12.85	32.60	2.536964981	0
SURF2	0.831	5.48	17.54	3.200729927	2.40E-14
SURF4	2,969	23.43	49.99	2.133589415	0
SURF5	4,882	2.61	5.74	2.199233716	2.00E-15
SURF6	2,314	4.96	14.41	2.905241935	0
SUSD1	2,996	1.62	4.70	2.901234568	2.07E-12
SUSD3	2.09	31.53	227.44	7.21344751	0
SUV39H1	2,726	3.34	9.36	2.80239521	0
SV2B	5,311	1.34	3.50	2.611940299	3.30E-14
SYDE1	3,254	1.49	8.41	5.644295302	0
SYK	3.72	12.55	38.50	3.067729084	0
SYNGAP1	6.01	2.01	4.10	2.039800995	9.19E-12
SYNGR2	1,694	12.62	32.57	2.580824089	0
SYNJ2	6,738	1.17	2.36	2.017094017	5.11E-08
TACC2	10,096	0.05	0.88	17.6	0
TACC3	3,447	11.05	30.51	2.761085973	0

TADA3L	3,323	2.92	18.23	6.243150685	0
TAF12	1.09	4.36	21.71	4.979357798	0
TAF3	7,355	0.78	2.86	3.666666667	0
TAF4	4,628	1.71	7.50	4.385964912	0
TAF4B	4,772	0.93	2.33	2.505376344	1.34E-08
TAF6	6,672	2.41	8.29	3.439834025	0
TAF6L	2,016	2.41	8.48	3.518672199	0
TALDO1	1,243	23.24	106.46	4.580895009	0
TAOK2	6,759	2.18	9.01	4.133027523	0
TAOK3	4,185	5.48	12.80	2.335766423	0
TAPBPL	1,718	5.41	22.60	4.177449168	0
TARBP2	2,244	3.93	11.90	3.027989822	0
TAS2R42	1,469	4.71	12.05	2.558386412	3.79E-13
TAX1BP3	1,381	11.17	34.28	3.068934646	0
TBC1D10B	3,093	16.25	33.79	2.079384615	0
TBC1D10C	1,911	24.54	53.04	2.161369193	0
TBC1D13	3,778	4.61	12.15	2.635574837	0
TBC1D16	3,916	6.54	18.06	2.76146789	0
TBC1D17	2,219	7.18	18.64	2.596100279	0
TBC1D24	4,317	0.09	1.39	15.444444444	1.00E-15
TBC1D4	5,922	1.75	5.63	3.217142857	0
TBC1D5	6,804	3.93	11.55	2.938931298	0
TBC1D9	5,513	3.24	6.59	2.033950617	0
TBC1D9B	5,167	10.59	30.09	2.841359773	0
TBCA	0.951	23.93	86.96	3.633932303	0
TBCAP1	0.557	14.92	38.11	2.554289544	3.00E-15
TBCB	1,475	11.14	42.20	3.788150808	0
TBCCD1	2.41	1.56	4.76	3.051282051	4.42E-11
TBCE	1,867	3.60	7.58	2.105555556	5.90E-08
TBKBP1	4,316	14.44	66.50	4.605263158	0
TBL2	6,082	0.97	3.66	3.773195876	0
TBL3	2,594	3.09	13.61	4.404530744	0
TBRG4	4,604	4.44	9.71	2.186936937	0
TBX21	2,572	6.08	43.14	7.095394737	0
TBXA2R	2,442	7.54	21.81	2.892572944	0
TBXAS1	4,242	0.59	4.43	7.508474576	0
tcag7.1239	0.393	2.02	15.00	7.425742574	2.05E-11

TCEB2	1.29	23.55	60.93	2.587261146	0
TCFL5	2,456	1.61	13.46	8.360248447	0
TCHP	3,151	3.32	9.76	2.939759036	0
TCL1A	1,311	203.61	841.78	4.134276313	0
TCL1B	2,453	20.37	270.80	13.29405989	0
TCL6	9,997	0.48	3.90	8.125	0
TCOF1	6,293	3.89	12.36	3.177377892	0
TCTA	2,146	12.91	29.12	2.255615802	0
TDP1	3,747	1.30	5.37	4.130769231	0
TDPX2	0.958	2.69	55.74	20.72118959	0
TEGT	2.58	61.05	173.43	2.840786241	0
TENC1	5,372	2.92	12.78	4.376712329	0
TESK1	2,516	3.11	8.61	2.768488746	0
TEX10	3,024	3.31	7.85	2.371601208	6.00E-15
TEX2	5.09	1.36	8.59	6.316176471	0
TEX261	3,367	9.16	22.07	2.409388646	0
TEX264	2,526	13.04	39.97	3.065184049	0
TFAP2E	2,189	0.36	12.00	33.33333333	0
TFAP4	2.14	0.78	7.95	10.19230769	0
TFCP2	2,372	2.17	15.91	7.331797235	0
TFDP1	2,367	3.47	15.30	4.409221902	0
TFPT	1,069	7.40	25.45	3.439189189	0
TGFB1	2,346	25.69	69.77	2.71584274	0
TGFB11	1,802	3.02	7.81	2.586092715	8.51E-11
TGFBI	2,691	0.52	3.51	6.75	0
THAP11	1,886	7.03	19.12	2.719772404	0
THAP3	2,052	1.97	7.39	3.751269036	0
THAP7	2,209	2.37	6.90	2.911392405	1.45E-13
THEM2	0.739	2.41	17.44	7.236514523	0
THOC3	1,563	15.89	42.47	2.672750157	0
THOC4	1,088	18.55	53.19	2.867385445	0
THOC5	2,754	5.89	13.00	2.20713073	0
THOC6	1,354	2.12	21.09	9.948113208	0
THOC7	0.92	11.83	32.69	2.763313609	0
THOP1	2.55	8.35	26.82	3.211976048	0
THRAP5	2,924	3.28	20.11	6.131097561	0
THTPA	2,132	3.48	10.83	3.112068966	0

THYN1	1,769	5.48	14.05	2.563868613	0
TIAM1	5,453	0.36	3.42	9.5	0
TICAM1	4,115	0.99	3.69	3.727272727	0
TIE1	3,882	2.37	15.67	6.611814346	0
TIGD5	2,264	0.83	4.84	5.831325301	0
TIGD7	2,569	2.66	5.80	2.180451128	1.24E-08
TIMELESS	4,354	1.75	7.20	4.114285714	0
TIMM13	2,369	11.82	37.91	3.207275804	0
TIMM22	1.69	5.80	13.55	2.336206897	4.20E-14
TIMM50	2,572	4.31	16.08	3.730858469	0
TIMM8B	0.414	9.56	60.63	6.342050209	0
TIMP1	0.916	23.22	51.40	2.213608958	0
TINF2	2,095	9.02	29.95	3.320399113	0
TIPRL	3.22	2.67	5.65	2.116104869	6.27E-10
TK1	1.42	3.90	23.31	5.976923077	0
TLN1	8.17	15.01	44.13	2.940039973	0
TLR9	3,868	0.20	2.27	11.35	0
TM2D1	1.25	1.26	5.39	4.277777778	6.94E-10
TM4SF1	1,691	2.04	16.04	7.862745098	0
TM7SF3	2,525	3.14	17.84	5.681528662	0
TM9SF1	3,053	2.76	13.61	4.93115942	0
TM9SF4	3,727	10.25	22.37	2.182439024	0
TMBIM4	1,298	3.81	20.11	5.278215223	0
TMCO1	1.42	3.41	21.71	6.366568915	0
TMCO6	1,889	2.10	8.07	3.842857143	0
TMED1	1,357	3.80	12.54	3.3	0
TMED10	4,085	19.42	42.38	2.182286303	0
TMED2	2,039	21.30	46.60	2.187793427	0
TMED3	1,388	8.83	27.74	3.141562854	0
TMED9	1,402	45.52	110.31	2.423330404	0
TMEM101	1,539	5.01	24.91	4.972055888	0
TMEM102	1,973	0.65	3.25	5	6.28E-10
TMEM103	1,349	3.88	19.86	5.118556701	0
TMEM106A	2,795	3.29	13.36	4.060790274	0
TMEM106C	1.43	8.30	21.15	2.548192771	0
TMEM109	2,082	23.00	56.15	2.441304348	0
TMEM121	1,519	0.33	6.49	19.66666667	0

TMEM128	1,732	1.60	5.11	3.19375	2.73E-09
TMEM131	6,257	4.76	11.96	2.512605042	0
TMEM134	0.945	5.24	14.26	2.721374046	3.73E-11
TMEM141	0.768	8.89	37.84	4.256467942	0
TMEM142A	1,475	18.31	41.46	2.264336428	0
TMEM142C	2,178	4.31	20.00	4.64037123	0
TMEM143	2,249	0.97	3.41	3.515463918	6.34E-09
TMEM147	0.851	13.48	56.82	4.215133531	0
TMEM14C	0.983	10.67	29.39	2.754451734	0
TMEM154	3,085	1.76	15.30	8.693181818	0
TMEM159	1,812	2.02	5.40	2.673267327	3.39E-08
TMEM160	0.655	6.65	22.37	3.363909774	3.00E-15
TMEM161A	1,779	1.28	14.01	10.9453125	0
TMEM164	1,308	1.06	4.82	4.547169811	4.56E-09
TMEM16K	2,734	1.63	4.84	2.969325153	3.12E-12
TMEM173	1,688	18.28	59.54	3.257111597	0
TMEM177	1,385	0.92	9.00	9.782608696	0
TMEM19	4,659	1.04	4.57	4.394230769	0
TMEM23	3,753	0.74	2.31	3.121621622	9.19E-09
TMEM24	3,344	2.34	5.29	2.260683761	1.11E-10
TMEM39B	2,124	6.71	20.14	3.001490313	0
TMEM4	1,209	10.39	49.68	4.781520693	0
TMEM42	0.973	3.46	13.59	3.927745665	0
TMEM43	3,236	6.39	21.79	3.410015649	0
TMEM44	2,345	2.66	6.32	2.37593985	8.91E-10
TMEM48	2,521	1.49	5.33	3.577181208	7.00E-15
TMEM49	2,509	5.13	13.83	2.695906433	0
TMEM79	2,156	0.60	3.94	6.566666667	5.00E-15
TMEM8	2.53	4.14	12.25	2.958937198	0
TMEM80	1,572	5.35	12.92	2.414953271	1.64E-13
TMEM9	1,527	7.84	20.24	2.581632653	0
TMEM92	2,685	0.55	4.64	8.436363636	0
TMEM97	2,115	1.03	5.73	5.563106796	0
TMEM99	0.855	1.04	9.56	9.192307692	0
TMLHE	2,835	2.51	6.51	2.593625498	4.70E-14
TMPO	4,626	4.68	17.98	3.841880342	0
TMSB4X	1,389	150.43	591.53	3.932260852	0

TMSL3	0.634	30.27	72.68	2.401057152	0
TNFAIP8	1.99	1.84	5.12	2.782608696	5.26E-09
TNFAIP8L1	2,187	2.85	12.63	4.431578947	0
TNFAIP8L2	1,152	2.92	25.44	8.712328767	0
TNFRSF1A	2,204	25.22	98.76	3.91593973	0
TNFRSF1B	3,675	14.11	57.35	4.064493267	0
TNFSF12	1,386	2.28	7.96	3.49122807	1.12E-12
TNFSF12-TNFSF13	1,823	2.87	12.94	4.508710801	0
TNFSF13	2,959	2.64	8.74	3.310606061	0
TNIP2	1,932	7.93	17.44	2.19924338	0
TNKS1BP1	5,952	0.76	2.66	3.5	0
TNRC5	3,432	24.48	91.32	3.730392157	0
TNS3	15,254	1.08	3.16	2.925925926	0
TOM1L2	2,944	1.18	5.52	4.677966102	0
TOMM22	1,378	44.94	94.08	2.093457944	0
TOMM34	2,049	4.30	18.05	4.197674419	0
TOMM40	2,299	12.48	36.47	2.922275641	0
TOMM40L	2,679	1.33	4.53	3.406015038	5.78E-13
TOMM70A	4.36	5.68	13.49	2.375	0
TOP1MT	1.91	17.40	36.12	2.075862069	0
TOP2A	5,698	1.46	19.16	13.12328767	0
TOP3A	4,116	1.73	5.75	3.323699422	0
TOR1A	2,106	4.23	16.52	3.905437352	0
TOR1B	2,769	1.75	5.75	3.285714286	0
TOR2A	2,467	1.32	6.97	5.28030303	0
TOX	4,131	2.20	9.92	4.509090909	0
TP53	2,621	4.53	75.40	16.64459161	0
TP53BP1	6.27	3.52	9.66	2.744318182	0
TP53I11	2,656	4.40	34.65	7.875	0
TP53RK	3,373	0.85	4.74	5.576470588	0
TPD52L2	6,246	26.88	79.83	2.969866071	0
TPI1	1.22	28.46	190.57	6.696064652	0
TPM3	4,401	35.13	83.96	2.389980074	0
TPMT	3.25	0.22	1.79	8.136363636	4.64E-12
TPP1	3,498	33.54	121.01	3.607930829	0
TPX2	3,662	3.11	24.36	7.832797428	0
TRA16	1,299	1.45	11.80	8.137931034	0

TRAC	0.954	4.98	16.33	3.279116466	1.00E-15
TRADD	2.44	1.09	10.95	10.04587156	0
TRAF2	2,277	2.87	7.62	2.655052265	1.85E-13
TRAF3IP1	2,535	0.90	4.19	4.655555556	5.00E-15
TRAF3IP3	2,058	3.75	23.05	6.146666667	0
TRAF7	5.49	6.68	17.94	2.685628743	0
TRAFD1	2.62	11.03	24.18	2.192203083	0
TRAIP	2,024	0.98	4.21	4.295918367	1.20E-11
TRAM2	7,057	8.03	19.18	2.388542964	0
TRAPPC1	0.813	17.28	140.81	8.148726852	0
TRAPPC2L	0.629	11.32	37.76	3.335689046	0
TRAPPC3	1,262	14.66	40.31	2.749658936	0
TRAPPC6A	0.795	22.77	48.11	2.112867809	0
TRBV20-1	0.67	2.95	18.82	6.379661017	0
TREX1	7,374	2.08	4.48	2.153846154	0
TRFP	2,478	2.12	8.40	3.962264151	0
TRIM14	8,165	3.08	8.00	2.597402597	0
TRIM16	2,901	0.58	20.38	35.13793103	0
TRIM2	6,731	0.49	1.77	3.612244898	1.17E-13
TRIM21	1,929	4.67	12.01	2.571734475	0
TRIM25	5,744	4.92	11.43	2.323170732	0
TRIM28	2,959	56.34	149.00	2.644657437	0
TRIM34	3,216	0.49	2.57	5.244897959	1.64E-13
TRIM35	4,227	1.45	4.40	3.034482759	0
TRIM5	4,162	2.26	6.32	2.796460177	0
TRIM65	3,409	1.63	4.84	2.969325153	9.00E-15
TRIM68	3.3	1.32	4.11	3.113636364	4.72E-13
TRIM6-TRIM34	3.46	0.43	2.07	4.813953488	6.45E-11
TRIM9	6,675	0.04	1.68	42	0
TRIOBP	10,735	1.74	4.57	2.626436782	0
TRIP11	6,453	0.85	2.12	2.494117647	5.01E-10
TROAP	2,527	0.94	8.36	8.893617021	0
TRPM2	7,269	6.69	34.00	5.082212257	0
TRPT1	1,222	6.96	14.47	2.079022989	3.83E-09
TRPV2	2,776	3.85	8.92	2.316883117	4.00E-15
TRUB2	1,439	3.30	20.32	6.157575758	0
TSC22D4	9,139	33.27	141.63	4.256988278	0

TSEN2	2,359	0.21	2.40	11.42857143	5.86E-13
TSEN34	1,349	3.88	13.99	3.605670103	0
TSEN54	1,905	1.92	14.41	7.505208333	0
TSGA14	7,052	0.12	1.83	15.25	0
TSPAN17	4,207	2.03	6.02	2.965517241	0
TSPAN31	1.74	2.39	13.51	5.652719665	0
TSPAN7	1,798	27.18	106.21	3.907652686	0
TSR1	4.89	2.95	7.49	2.538983051	0
TSSC1	1,664	18.08	40.45	2.237278761	0
TST	1,128	7.55	16.58	2.19602649	9.75E-11
TTC1	1,407	3.72	26.52	7.129032258	0
TTC15	2,524	3.69	19.86	5.382113821	0
TTC24	1,969	1.96	15.89	8.107142857	0
TTC27	2,876	1.62	6.91	4.265432099	0
TTC28	11,653	1.06	3.99	3.764150943	0
TTC31	3,356	3.83	9.48	2.475195822	0
TTC4	1,985	1.44	10.40	7.222222222	0
TTC5	1,845	1.18	6.76	5.728813559	0
TTC7B	3,434	1.30	4.04	3.107692308	2.82E-13
TTC9C	1,139	3.22	15.53	4.822981366	0
TTF2	4,855	0.77	4.89	6.350649351	0
TTK	2,968	0.57	2.24	3.929824561	1.17E-08
TTL	4,443	1.91	6.89	3.607329843	0
TTLL1	2,043	0.24	4.00	16.66666667	0
TTLL12	3,353	1.21	19.07	15.76033058	0
TTLL4	4,191	0.57	2.75	4.824561404	0
TTLL5	4,684	2.90	6.96	2.4	0
TUBA1B	1,753	70.15	257.66	3.672986458	0
TUBA1C	1,553	7.78	43.78	5.627249357	0
TUBA8	2,018	1.27	66.92	52.69291339	0
TUBB	7,462	0.60	2.84	4.733333333	0
TUBB2C	1,591	29.72	105.10	3.536339166	0
TUBG1	1,611	1.04	15.01	14.43269231	0
TWF2	1,625	9.93	39.35	3.962739174	0
TXLNA	4,796	2.91	23.66	8.130584192	0
TXN2	1,336	22.07	67.09	3.039873131	0
TXNDC1	2,443	2.84	8.17	2.876760563	0

TXNDC12	1.6	11.44	24.43	2.13548951	0
TXNDC5	3.33	6.09	26.05	4.277504105	0
TXNL2	1,902	4.84	11.12	2.297520661	7.24E-13
TXNL4A	1,387	13.48	32.07	2.379080119	0
TXNL5	0.727	4.77	16.11	3.377358491	1.39E-12
TXNRD1	4,068	4.69	11.89	2.535181237	0
TYMS	1,529	14.95	56.30	3.765886288	0
TYSND1	5,967	0.60	3.54	5.9	0
U2AF2	3,218	21.40	108.31	5.061214953	0
UBA52P1	0.95	5.11	14.09	2.757338552	4.19E-11
UBADC1	1,867	4.88	17.01	3.485655738	0
UBE1	4,786	32.00	109.57	3.4240625	0
UBE1DC1	3,496	2.86	6.09	2.129370629	3.22E-11
UBE2C	2,411	0.78	16.77	21.5	0
UBE2E2	1.51	2.62	9.65	3.683206107	0
UBE2G1	4,332	5.62	12.07	2.147686833	0
UBE2J2	2,609	9.37	19.76	2.108858058	0
UBE2L3	5,536	4.93	17.79	3.60851927	0
UBE2L6	1,579	14.03	65.30	4.654312188	0
UBE2M	1,516	8.68	43.40	5	0
UBE2MP1	0.961	2.06	12.45	6.04368932	0
UBE2O	5,322	3.87	17.68	4.568475452	0
UBE2Q1	3,221	11.31	31.54	2.788682582	0
UBE2S	0.881	5.61	36.81	6.561497326	0
UBE2SP1	0.881	1.69	10.52	6.224852071	1.00E-15
UBE2T	0.898	0.66	14.26	21.60606061	0
UBE2V1	3,173	7.89	24.02	3.044359949	0
UBE2V2	1,524	1.89	10.72	5.671957672	0
UBE2Z	2.99	16.91	34.46	2.037847428	0
UBE3B	5,861	2.76	6.99	2.532608696	0
UBE3C	10,336	0.95	3.69	3.884210526	0
UBIAD1	1,489	3.25	11.96	3.68	0
UBL4A	2,305	0.52	12.50	24.03846154	0
UBL5	0.663	37.90	103.18	2.722427441	0
UBL7	1,499	15.31	54.28	3.545395167	0
UBQLN4	3,507	2.14	22.38	10.45794393	0
UBQLN4P	3,574	1.52	5.07	3.335526316	0

UBTD1	1,557	0.32	4.66	14.5625	0
UBTD2	1,113	1.87	7.65	4.090909091	3.08E-11
UBTF	4,198	17.35	49.70	2.864553314	0
UBXD6	1,441	1.44	5.03	3.493055556	1.57E-08
UCHL5IP	1,891	1.83	7.04	3.846994536	1.00E-15
UCK2	1.25	2.77	11.76	4.245487365	0
UCP2	3,479	41.15	195.95	4.761846902	0
UCRC	1,861	8.51	27.02	3.175088132	0
UGDH	3,189	0.21	3.54	16.85714286	0
UGT3A2	2,341	0.38	15.22	40.05263158	0
UHRF1	3,816	5.11	89.40	17.49510763	0
UMPS	2,246	2.34	9.22	3.94017094	0
UNC119	2,523	5.17	16.56	3.203094778	0
UNC45A	4,393	4.05	23.82	5.881481481	0
UNC84B	4,961	56.79	133.92	2.358161648	0
UNC93B1	2,315	9.10	34.70	3.813186813	0
UNG	2,473	1.72	11.89	6.912790698	0
UNQ501	1.03	5.09	17.91	3.518664047	0
UNQ5783	0.916	2.81	35.69	12.70106762	0
UQCR	1,266	20.16	46.44	2.303571429	0
UQCRC1	1,617	22.40	65.69	2.932589286	0
UQCRC2	2,092	46.63	107.68	2.309242977	0
UROD	1,383	20.25	53.84	2.658765432	0
UROS	1,279	9.90	64.80	6.545454545	0
URP2	3,087	9.26	38.31	4.137149028	0
USF2	2,734	40.06	121.30	3.027958063	0
USP11	4,014	18.61	49.19	2.643202579	0
USP13	2,717	0.59	3.11	5.271186441	1.94E-13
USP18	2,037	0.78	19.80	25.38461538	0
USP40	3,505	1.75	4.17	2.382857143	7.37E-10
USP41	1,949	0.30	8.99	29.96666667	0
USP5	3,103	5.04	25.77	5.113095238	0
UST	4,197	0.36	2.63	7.305555556	0
UTP14A	2,488	4.97	14.46	2.90945674	0
UTP14C	5,494	1.60	4.11	2.56875	0
UTP18	1,873	4.86	10.17	2.092592593	5.99E-10
VAC14	3,096	4.12	8.92	2.165048544	7.00E-15

VAMP5	0.665	79.15	199.76	2.52381554	0
VAMP8	0.671	52.05	130.56	2.508357349	0
VANGL1	8,691	0.12	2.54	21.16666667	0
VARS	10,677	1.83	9.62	5.256830601	0
VASH1	5,728	2.52	21.77	8.638888889	0
VASP	3,328	3.03	28.98	9.564356436	0
VAT1	2,694	8.85	32.49	3.671186441	0
VAV1	2,888	6.61	31.32	4.73827534	0
VCAN	11,185	0.61	4.69	7.68852459	0
VCP	3,189	18.55	40.57	2.187061995	0
VDAC1	1,806	20.16	56.86	2.820436508	0
VDAC3	1,386	8.28	31.12	3.758454106	0
VDP	3,891	3.48	10.33	2.968390805	0
VEGFB	1,385	17.57	44.83	2.551508253	0
VENTX	2,411	2.59	7.34	2.833976834	6.00E-15
VGLL4	3,542	9.47	22.73	2.400211193	0
VIPR2	7,889	2.58	5.50	2.131782946	0
VKORC1	1,487	5.32	47.30	8.890977444	0
VKORC1L1	2,296	0.47	3.56	7.574468085	0
VNN2	2.17	1.46	5.24	3.589041096	7.20E-13
VPREB1	0.72	237.18	1170.49	4.935028249	0
VPREB3	0.545	54.28	436.79	8.046978629	0
VPS25	1,101	6.29	34.65	5.508744038	0
VPS26B	4,785	22.21	52.09	2.345339937	0
VPS35	3,233	5.11	17.51	3.426614481	0
VPS37A	2.02	1.08	5.05	4.675925926	1.10E-14
VPS41	11,376	0.88	2.08	2.363636364	8.00E-15
VPS45	2,817	2.43	11.30	4.650205761	0
VPS72	1,324	3.66	41.93	11.45628415	0
VRK1	1,703	4.12	12.02	2.917475728	0
VRK3	2.1	2.36	17.49	7.411016949	0
VTI1B	1,277	6.35	20.39	3.211023622	0
VWA1	3.7	1.10	7.76	7.054545455	0
WARS	3,182	5.29	15.72	2.971644612	0
WAS	1,805	20.11	53.30	2.650422675	0
WASF1	3.22	2.00	11.01	5.505	0
WBP2	1,857	21.79	49.35	2.264800367	0

WBSCR16	4,756	2.21	5.67	2.56561086	0
WBSCR23	5,236	2.82	17.70	6.276595745	0
WDR12	1.72	1.38	7.49	5.427536232	0
WDR18	1,551	5.04	23.90	4.742063492	0
WDR21A	2,665	1.23	3.82	3.105691057	5.20E-10
WDR23	4,474	3.98	14.02	3.522613065	0
WDR25	2,004	0.64	3.45	5.390625	3.11E-11
WDR3	3,858	0.72	6.90	9.583333333	0
WDR34	1,818	9.47	26.83	2.833157339	0
WDR40A	3,631	1.99	8.33	4.185929648	0
WDR41	2,558	3.06	6.25	2.04248366	3.82E-08
WDR5	3,241	3.39	14.60	4.306784661	0
WDR51A	1,889	0.73	6.82	9.342465753	0
WDR51B	2,971	1.13	3.91	3.460176991	6.67E-13
WDR54	1,119	3.27	13.62	4.165137615	0
WDR57	1,488	8.25	27.34	3.313939394	0
WDR6	4.07	26.62	54.98	2.065364388	0
WDR61	1,191	7.47	26.31	3.522088353	0
WDR67	3,502	0.31	2.14	6.903225806	7.30E-14
WDR68	6,564	5.65	22.03	3.899115044	0
WDR7	7,282	0.72	1.84	2.555555556	4.74E-10
WDR70	2,122	4.71	11.79	2.503184713	0
WDR77	2,408	2.18	20.26	9.293577982	0
WDR79	1,834	2.11	8.46	4.009478673	0
WDR8	1,657	3.47	8.69	2.504322767	2.34E-10
WDR89	3.22	1.29	3.22	2.496124031	7.27E-08
WDSOF1	2,161	4.26	13.60	3.192488263	0
WDTC1	4,275	10.11	27.80	2.74975272	0
WIBG	1,226	5.56	22.12	3.978417266	0
WIPF1	5,079	29.92	105.48	3.52540107	0
WIZ	6,066	3.87	9.32	2.408268734	0
WRB	1,327	0.90	6.53	7.255555556	0
WRNIP1	2,986	9.68	22.09	2.282024793	0
WSB2	2,822	7.15	21.88	3.06013986	0
WT1	3,113	0.06	2.63	43.83333333	0
WWC3	7,517	10.74	34.98	3.25698324	0
XAB1	1,794	13.40	28.45	2.123134328	0

XAF1	3,626	1.72	6.15	3.575581395	0
XBP1	1.82	129.06	480.33	3.721757322	0
XKR4	3,913	0.12	1.85	15.41666667	0
XKR8	2,158	3.95	8.01	2.027848101	1.23E-08
XLKD1	2,413	0.00	7.50	7.50	0
XPC	3,691	4.96	12.08	2.435483871	0
XPO5	5,212	1.56	7.58	4.858974359	0
XPOT	3,868	2.28	8.10	3.552631579	0
XRCC1	2,087	10.76	26.23	2.437732342	0
XRCC5	3,304	29.73	65.01	2.186680121	0
XRCC6	2,133	42.02	128.07	3.047834365	0
XTP3TPA	1.12	6.36	31.51	4.954402516	0
XYLT1	5,254	5.33	16.94	3.178236398	0
XYLT2	3,567	2.08	9.64	4.634615385	0
YBX1	2.94	64.41	192.06	2.981835119	0
YIF1A	1,055	3.28	26.75	8.155487805	0
YIF1B	1,814	6.38	22.99	3.603448276	0
YIPF1	1,804	2.85	12.05	4.228070175	0
YIPF2	1,504	10.39	22.24	2.140519731	0
YIPF3	1.95	28.01	64.24	2.293466619	0
YWHAB	4,008	17.38	82.47	4.745109321	0
ZADH1	2,538	0.62	3.92	6.322580645	0
ZBED3	1,669	4.80	12.41	2.585416667	4.00E-15
ZBTB38	8,113	0.46	1.27	2.760869565	3.61E-09
ZBTB45	2,352	2.23	5.27	2.3632287	2.08E-08
ZBTB8OS	0.717	4.01	12.10	3.017456359	1.26E-08
ZC3H13	6,409	3.63	16.52	4.550964187	0
ZC3H14	5,312	2.37	6.53	2.755274262	0
ZC3H7B	5,868	14.68	29.67	2.021117166	0
ZC3HC1	3,828	1.79	4.62	2.581005587	3.76E-13
ZCD1	0.898	0.99	7.51	7.585858586	3.48E-13
ZCD2	1,583	3.19	7.77	2.435736677	7.23E-09
ZDHHC12	1,152	11.42	34.08	2.984238179	0
ZDHHC16	2,189	1.45	15.05	10.37931034	0
ZDHHC2	3,817	1.48	3.90	2.635135135	1.54E-11
ZDHHC3	2.72	4.40	14.74	3.35	0
ZDHHC8	3,455	6.10	12.87	2.109836066	0

ZDHHC9	3,168	2.60	7.95	3.057692308	0
ZFAT1	8,024	0.80	2.45	3.0625	0
ZFP161	2,896	1.75	4.04	2.308571429	1.06E-07
ZFP36L1	3,022	17.81	49.95	2.804604155	0
ZFP41	4,786	0.58	1.86	3.206896552	2.73E-09
ZFP64	5,218	0.32	2.49	7.78125	0
ZFYVE19	1,784	4.88	9.96	2.040983607	9.04E-09
ZFYVE21	1,383	1.22	6.15	5.040983607	5.97E-13
ZHX2	4,359	7.13	26.53	3.720897616	0
ZKSCAN1	10,988	2.20	6.05	2.75	0
ZMAT3	2,794	2.09	14.09	6.741626794	0
ZMAT5	1,033	5.46	20.22	3.703296703	0
ZMPSTE24	3,103	3.00	7.27	2.423333333	8.00E-15
ZMYM3	5,585	2.94	15.67	5.329931973	0
ZMYM4	6,994	3.66	7.68	2.098360656	0
ZMYND11	4,544	3.57	10.62	2.974789916	0
ZMYND19	1.37	3.83	14.27	3.725848564	0
ZNF142	6,234	2.40	5.27	2.195833333	0
ZNF143	2,487	1.75	4.98	2.845714286	7.61E-11
ZNF202	4,055	1.12	3.31	2.955357143	2.11E-12
ZNF213	3,202	1.45	8.10	5.586206897	0
ZNF28	4,675	0.66	2.12	3.212121212	2.76E-10
ZNF32	1,279	10.29	22.20	2.157434402	6.00E-15
ZNF320	6,145	0.86	2.59	3.011627907	1.20E-14
ZNF358	1,882	9.62	25.55	2.655925156	0
ZNF385	2,404	5.93	15.56	2.623946037	0
ZNF41	3,533	0.42	1.93	4.595238095	6.94E-10
ZNF414	1,178	3.44	9.23	2.683139535	4.67E-09
ZNF423	4,818	6.61	24.27	3.671709531	0
ZNF428	1,387	29.10	59.15	2.032646048	0
ZNF444	2,043	4.99	16.86	3.378757515	0
ZNF45	3,153	1.07	2.97	2.775700935	2.35E-08
ZNF473	4,761	0.44	2.94	6.681818182	0
ZNF497	3,466	0.92	2.80	3.043478261	1.28E-09
ZNF511	1.08	4.04	15.91	3.938118812	0
ZNF512	3,426	6.96	16.25	2.334770115	0
ZNF524	1,109	2.76	12.92	4.68115942	0

ZNF553	2,203	1.12	5.69	5.080357143	0
ZNF559	3,042	0.81	3.24	4	5.27E-13
ZNF593	0,621	9.56	25.64	2.682008368	1.18E-12
ZNF594	4,863	0.12	1.96	16.33333333	0
ZNF607	4,352	0.22	1.80	8.181818182	0
ZNF608	5,645	4.69	12.28	2.618336887	0
ZNF609	8,618	2.17	11.12	5.124423963	0
ZNF616	3,047	0.39	2.05	5.256410256	3.43E-10
ZNF628	3,843	1.16	3.95	3.405172414	1.00E-15
ZNF638	6,615	3.66	10.83	2.959016393	0
ZNF641	2,326	1.02	3.59	3.519607843	1.03E-09
ZNF646	6,183	1.86	6.12	3.290322581	0
ZNF664	5,108	3.29	8.52	2.589665653	0
ZNF668	2,625	3.32	12.83	3.864457831	0
ZNF672	2,936	12.87	32.85	2.552447552	0
ZNF673	2,292	3.28	7.28	2.219512195	8.76E-10
ZNF692	1,931	2.46	11.00	4.471544715	0
ZNF71	3,105	0.77	3.53	4.584415584	2.00E-15
ZNF710	3,082	1.16	4.67	4.025862069	0
ZNF74	3,758	0.29	5.11	17.62068966	0
ZNF740	2,352	4.29	12.47	2.906759907	0
ZNF747	2,371	1.71	4.99	2.918128655	1.05E-10
ZNF76	2,653	4.84	10.13	2.092975207	1.17E-13
ZNF768	2,312	9.88	24.56	2.48582996	0
ZNF785	3,183	1.03	4.65	4.514563107	0
ZNF792	3,284	0.87	2.74	3.149425287	1.82E-09
ZNHIT1	2,378	6.99	23.42	3.350500715	0
ZNRF1	4,633	0.64	22.77	35.578125	0
ZP3	2.9	1.37	4.24	3.094890511	4.91E-12
ZW10	2,884	1.51	4.33	2.867549669	5.17E-11
ZWINT	3,591	3.23	10.34	3.20123839	0

Down-regulated genes

Gene ID	Transcript length (kb)	Primary ALL RPKM	Relapse RPKM	Fold change	Fisher's exact test raw p-value
AAK1	3,228	6.47	2.56	-2.52734375	3.00E-15
AASS	6,466	2.86	1.39	-2.057553957	1.46E-09

ABBA-1	4,977	77.69	7.24	-10.73066298	0
ABCA1	10,412	11.07	1.10	-10.06363636	0
ABCA11	50,692	0.71	0.27	-2.62962963	0
ABHD13	5,302	3.06	1.26	-2.428571429	1.72E-11
ABL2	3,967	5.54	0.93	-5.956989247	0
ABLIM1	8,391	13.26	2.99	-4.434782609	0
ACOT9	2,385	28.34	6.25	-4.5344	0
ACSL1	3,805	13.06	1.06	-12.32075472	0
ACVR2A	5,244	1.48	0.42	-3.523809524	2.40E-09
ADAM17	3,845	13.02	3.07	-4.241042345	0
ADAM9	5,896	3.36	0.65	-5.169230769	0
ADAMTSL4	4,477	7.45	3.13	-2.380191693	0
AFF1	10,094	61.42	7.40	-8.3	0
AFF4	10,012	33.83	2.83	-11.9540636	0
AGPS	3,824	28.54	13.53	-2.109386548	0
AHCTF1	8,744	9.97	2.10	-4.747619048	0
AHCTF1P	7,176	3.93	1.29	-3.046511628	0
AHNAK	19,263	30.19	11.88	-2.541245791	0
AHSA2	3.02	24.21	10.32	-2.345930233	0
AIM1	8,653	13.55	2.68	-5.055970149	0
AKAP10	2,917	5.60	2.71	-2.066420664	9.23E-09
AKAP12	9,449	16.89	1.35	-12.51111111	0
AKAP13	16,435	45.53	15.55	-2.927974277	0
AKAP2	6,866	8.14	3.19	-2.551724138	0
AKAP9	28,573	1.72	0.73	-2.356164384	0
ALOX5	5,046	26.78	9.86	-2.716024341	0
AMD1	3,895	42.98	16.91	-2.541691307	0
AMT	2,103	6.03	2.12	-2.844339623	1.11E-11
AMY2B	2,181	2.68	0.62	-4.322580645	8.93E-09
ANGPT2	2,227	8.67	0.68	-12.75	0
ANKRD11	21,966	27.03	10.30	-2.624271845	0
ANKRD12	9,036	6.81	1.99	-3.422110553	0
ANKRD13C	3,009	6.71	2.35	-2.855319149	0
ANKRD28	6,805	9.96	4.53	-2.198675497	0
ANXA1	1,399	7.78	2.83	-2.749116608	1.54E-09
AP1G1	6.85	31.63	5.97	-5.298157454	0
APOLD1	4,569	51.47	1.44	-35.74305556	0

ARFGEF1	8,312	9.19	4.55	-2.01978022	0
ARFGEF2	7.05	10.55	3.18	-3.317610063	0
ARG1	1,447	3.89	0.82	-4.743902439	9.05E-09
ARG2	1,981	8.14	3.40	-2.394117647	4.29E-11
ARHGAP12	4,172	9.06	2.44	-3.713114754	0
ARHGAP21	7,109	14.09	6.03	-2.336650083	0
ARHGAP24	5,651	12.22	5.56	-2.197841727	0
ARHGAP29	5,573	11.59	0.29	-39.96551724	0
ARHGEF18	5,345	19.70	8.26	-2.384987893	0
ARHGEF7	18,185	83.98	19.49	-4.308876347	0
ARID2	8,466	8.17	2.64	-3.09469697	0
ARID4A	5,187	17.09	3.25	-5.258461538	0
ARID4B	6,374	11.35	4.02	-2.823383085	0
ARID5A	5,392	175.50	76.54	-2.292918735	0
ARID5B	7,737	34.80	7.61	-4.572930355	0
ARIH1	4,911	37.77	12.44	-3.036173633	0
ARL4C	4,009	2.35	0.80	-2.9375	4.41E-09
ARL5B	3,589	2.65	0.24	-11.04166667	0
ARL6IP2	2,254	12.99	5.97	-2.175879397	1.00E-15
ARMCX3	3,838	14.64	5.97	-2.452261307	0
ARMCX4	3,833	3.95	1.01	-3.910891089	0
ARNTL	3,015	3.08	0.67	-4.597014925	2.07E-13
ARPP-19	5,978	27.30	10.15	-2.689655172	0
ARRDC2	3.32	109.15	28.40	-3.843309859	0
ASB16	2,139	11.38	1.26	-9.031746032	0
ASB8	2,799	14.43	6.77	-2.131462334	0
ASH1L	9,926	6.61	2.55	-2.592156863	0
ASPHD2	2,857	8.93	3.26	-2.739263804	0
ATAD2B	8,103	3.85	1.37	-2.810218978	0
ATAD5	6,245	1.96	0.66	-2.96969697	8.65E-12
ATF6	3,249	19.86	9.70	-2.04742268	0
ATF7IP	4,893	30.43	9.64	-3.156639004	0
ATG16L1	3,738	9.77	4.21	-2.320665083	0
ATG4D	1,896	25.30	9.07	-2.789415656	0
ATHL1	4,231	39.21	18.40	-2.130978261	0
ATP11B	7,524	11.19	4.59	-2.437908497	0
ATP6V1A	4,861	11.19	5.34	-2.095505618	0

ATP8A2	3,904	1.80	0.35	-5.142857143	1.35E-11
ATXN3	4.64	3.96	1.39	-2.848920863	0
ATXN7	5,531	11.47	2.19	-5.237442922	0
AXIN2	4,259	5.90	0.42	-14.04761905	0
B4GALT4	2,344	8.27	1.84	-4.494565217	0
BAALC	6,555	24.39	6.60	-3.695454545	0
BACH1	6,731	7.67	3.45	-2.223188406	0
BACH2	11,225	7.64	2.99	-2.555183946	0
BAIAP2L2	2,707	5.56	1.43	-3.888111888	0
BAIAP3	4,523	2.52	0.54	-4.666666667	0
BARD1	3,477	13.97	1.03	-13.5631068	0
BASP1	1,797	4.40	1.31	-3.358778626	3.42E-09
BAZ2A	10,772	58.32	16.38	-3.56043956	0
BCAP29	17,418	3.19	1.06	-3.009433962	0
BCL10	2,786	4.33	1.27	-3.409448819	3.55E-13
BCL2L11	10,823	7.27	0.83	-8.759036145	0
BCL2L2	3.54	27.92	6.87	-4.064046579	0
BCL6	4,505	20.89	4.55	-4.591208791	0
BCL7A	6,696	69.93	34.92	-2.00257732	0
BMF	12,999	62.86	5.35	-11.74953271	0
BMP2	3.15	33.70	3.71	-9.083557951	0
BNIP3L	4,058	36.30	10.95	-3.315068493	0
BOAT	1,198	9.83	1.55	-6.341935484	0
BRAF	5,738	4.96	0.73	-6.794520548	0
BRAP	2,819	18.88	8.08	-2.336633663	0
BRCA2	11,386	0.60	0.16	-3.75	3.89E-09
BRD1	7,122	33.48	10.82	-3.094269871	0
BRF1	7,157	27.28	12.17	-2.24157765	0
BRUNOL6	3,399	4.11	1.68	-2.446428571	3.19E-10
BRWD1	18,593	5.70	1.25	-4.56	0
BRWD3	6,085	3.40	0.71	-4.788732394	0
BSDC1	4,873	26.43	12.22	-2.162847791	0
BTAF1	7,169	18.73	4.16	-4.502403846	0
BTBD3	5,251	10.31	4.70	-2.193617021	0
BTBD9	2,208	3.18	0.72	-4.416666667	7.70E-11
BTG1	1,782	167.39	47.65	-3.512906611	0
BTG3	1,353	9.95	0.81	-12.28395062	0

BTNL9	5,292	42.87	13.77	-3.11328976	0
C10orf110	0.893	20.17	2.17	-9.294930876	0
C10orf118	6,574	11.28	1.56	-7.230769231	0
C10orf12	4,545	2.46	0.41	-6	0
C10orf18	10,129	10.26	4.70	-2.182978723	0
C10orf28	3,315	10.24	3.76	-2.723404255	0
C10orf38	4,654	72.54	26.28	-2.760273973	0
C10orf46	5.49	11.31	2.21	-5.117647059	0
C10orf64	3,669	5.53	2.72	-2.033088235	3.87E-10
C10orf97	2,899	8.57	3.80	-2.255263158	6.00E-15
C11orf47	3,205	1.82	0.39	-4.666666667	1.83E-09
C12orf23	3,478	36.89	10.94	-3.37202925	0
C12orf30	5,781	7.70	2.10	-3.666666667	0
C12orf47	2,285	18.49	6.19	-2.987075929	0
C14orf103	5,566	9.53	2.70	-3.52962963	0
C14orf106	5,547	27.99	5.79	-4.834196891	0
C14orf118	4,087	12.27	3.12	-3.932692308	0
C14orf138	1,767	7.34	3.29	-2.23100304	3.29E-08
C14orf43	8,091	24.57	5.25	-4.68	0
C14orf49	3,868	14.12	6.24	-2.262820513	0
C16orf28	2,761	9.31	2.10	-4.433333333	0
C16orf72	11,537	29.44	5.09	-5.78388998	0
C17orf48	1,518	31.29	11.04	-2.83423913	0
C17orf65	2,413	22.71	9.87	-2.300911854	0
C18orf25	5,424	9.58	1.60	-5.9875	0
C19orf23	1,356	4.52	0.49	-9.224489796	5.90E-14
C1orf27	3,784	5.91	2.36	-2.504237288	1.00E-15
C1orf38	3.69	105.83	36.06	-2.934830837	0
C1orf52	1,532	13.56	6.25	-2.1696	8.14E-12
C1orf55	3,934	18.71	4.41	-4.242630385	0
C1orf69	8.15	7.69	1.82	-4.225274725	0
C1QTNF1	3.17	3.72	0.40	-9.3	0
C20orf106	0.905	5.80	0.47	-12.34042553	3.16E-13
C20orf111	3,841	44.09	8.95	-4.926256983	0
C20orf112	4,335	12.03	4.81	-2.501039501	0
C20orf133	5,513	4.60	0.81	-5.679012346	0
C20orf7	1,454	16.53	1.96	-8.433673469	0

C20orf77	6,472	18.71	4.04	-4.631188119	0
C21orf124	1,972	7.27	1.24	-5.862903226	0
C2orf49	1,119	7.78	2.57	-3.027237354	8.25E-09
C3orf17	5,905	12.03	4.09	-2.941320293	0
C3orf37	3,419	55.19	24.12	-2.28814262	0
C3orf38	1,367	12.52	4.44	-2.81981982	7.00E-15
C3orf52	2,221	9.36	1.10	-8.509090909	0
C4orf15	5.92	4.84	0.92	-5.260869565	0
C4orf19	4,731	20.31	0.13	-156.2307692	0
C4orf30	3.38	18.70	5.01	-3.73253493	0
C5AR1	2,321	5.20	0.43	-12.09302326	0
C5orf24	4,259	5.76	1.72	-3.348837209	0
C5orf26	1	51.75	23.75	-2.178947368	0
C6orf107	6,885	6.63	1.10	-6.027272727	0
C6orf113	2,197	6.53	1.53	-4.267973856	0
C6orf114	1,527	15.03	0.71	-21.16901408	0
C6orf120	4,146	9.83	3.88	-2.533505155	0
C6orf72	1,224	18.26	6.05	-3.018181818	0
C6orf81	1,169	6.18	1.08	-5.722222222	1.32E-12
C6orf85	5,415	15.73	2.98	-5.27852349	0
C7orf20	4,468	16.43	6.33	-2.595576619	0
C7orf23	2,574	11.95	5.49	-2.176684882	0
C7orf41	11.21	10.99	2.87	-3.829268293	0
C8orf38	2,402	8.44	3.99	-2.115288221	5.78E-11
C8orf61	1,862	15.41	1.95	-7.902564103	0
C9orf100	3,763	5.84	1.63	-3.582822086	0
C9orf72	4,435	2.28	0.09	-25.33333333	0
C9orf77	4,215	46.03	22.03	-2.089423513	0
C9orf91	3.91	19.89	9.26	-2.147948164	0
CA2	1,551	20.74	10.27	-2.019474197	5.00E-15
CABP7	2,982	15.16	5.03	-3.013916501	0
CAGE1	4,349	1.96	0.04	-49	0
CAPS	1,641	10.61	4.78	-2.219665272	1.79E-10
CASD1	7,634	2.79	0.92	-3.032608696	0
CASP12	13,287	1.77	0.06	-29.5	0
CASP8	4.34	34.88	6.35	-5.492913386	0
CAST	7,189	45.58	20.86	-2.185043145	0

CASZ1	4,094	5.61	1.40	-4.007142857	0
CBLB	3,976	14.56	4.78	-3.046025105	0
CCDC17	1,873	7.23	0.99	-7.303030303	0
CCDC28A	1,496	19.78	9.41	-2.102019129	4.00E-15
CCDC35	4,862	1.77	0.38	-4.657894737	2.04E-13
CCDC45	3,501	25.92	6.01	-4.31281198	0
CCDC49	2.33	18.56	8.97	-2.069119287	0
CCDC6	5,704	32.65	5.41	-6.035120148	0
CCDC84	1,384	16.16	5.60	-2.885714286	0
CCDC88	4,915	7.49	3.24	-2.311728395	0
CCNL1	6,072	60.11	14.12	-4.257082153	0
CCNL2	7,216	18.79	6.68	-2.812874251	0
CCNT1	4,359	13.78	3.90	-3.533333333	0
CCNT2	8,578	10.46	2.38	-4.394957983	0
CCR7	2,173	6.60	1.94	-3.402061856	1.00E-15
CD109	6,407	7.83	2.38	-3.289915966	0
CD160	2,033	4.68	0.32	-14.625	0
CD177	2,426	5.38	2.33	-2.309012876	1.22E-08
CD247	3,438	9.81	2.03	-4.832512315	0
CD27	1,477	32.89	11.43	-2.877515311	0
CD2AP	4,644	5.28	2.61	-2.022988506	6.46E-12
CD47	14,066	20.18	9.62	-2.097713098	0
CD5	3,121	1.74	0.30	-5.8	8.88E-10
CD55	2,841	32.91	6.86	-4.797376093	0
CD6	3.23	2.39	0.63	-3.793650794	4.33E-10
CD7	1,283	5.63	1.11	-5.072072072	4.52E-12
CD83	3,132	21.48	1.94	-11.07216495	0
CD8A	2,202	4.27	1.45	-2.944827586	2.17E-09
CDC14A	5,221	2.81	0.42	-6.69047619	0
CDC42EP2	2.2	11.42	1.02	-11.19607843	0
CDC42EP3	5,508	42.07	9.32	-4.513948498	0
CDC42SE1	3,728	105.54	37.31	-2.828732243	0
CDC42SE2	3,657	40.69	13.86	-2.935786436	0
CDCA7L	6,474	25.91	9.63	-2.690550363	0
CDKN2D	1,447	45.06	14.38	-3.133518776	0
CDS2	9,104	79.22	34.04	-2.327262045	0
CEBPD	1,295	5.20	1.23	-4.227642276	6.11E-10

CEBPG	3,736	8.13	3.93	-2.06870229	4.00E-15
CECR2	5,931	12.38	4.32	-2.865740741	0
CELSR1	11,389	1.07	0.13	-8.230769231	0
CENPC1	3,349	8.63	3.62	-2.383977901	0
CENTD1	7,771	14.92	2.63	-5.673003802	0
CEP350	12,701	10.36	2.06	-5.029126214	0
CERK	8,749	41.12	15.59	-2.637588198	0
CFLAR	2,213	13.68	5.69	-2.404217926	0
CHD1	6,457	28.41	4.42	-6.42760181	0
CHD2	15.83	58.12	11.96	-4.859531773	0
CHD5	10,303	1.13	0.02	-56.5	0
CHD6	10,807	12.44	3.98	-3.125628141	0
CHD7	11,443	28.97	4.20	-6.897619048	0
CHIC2	1,125	9.15	3.75	-2.44	9.59E-08
CHKA	7,978	45.64	18.60	-2.453763441	0
CHML	7,067	11.05	1.48	-7.466216216	0
CHPT1	2.7	43.17	8.55	-5.049122807	0
CHST2	3,043	36.45	10.52	-3.464828897	0
CICE	9,387	1.99	0.93	-2.139784946	2.00E-10
CIR	2,074	39.54	18.18	-2.174917492	0
CKAP4	2,915	22.94	7.28	-3.151098901	0
CLCF1	1,842	2.63	0.23	-11.43478261	8.56E-12
CLCN6	5,937	6.61	2.86	-2.311188811	0
CLDN12	6,938	1.34	0.50	-2.68	3.28E-08
CLDN5	1,699	10.25	0.45	-22.77777778	0
CLIC4	4.29	11.11	5.11	-2.174168297	0
CLINT1	4,474	54.75	14.78	-3.704330176	0
CLK1	4,148	70.60	12.53	-5.634477255	0
CLK4	2,869	12.18	4.64	-2.625	0
CLN8	4,817	12.18	1.09	-11.17431193	0
CLP1	2,432	10.45	3.81	-2.742782152	0
CLSTN3	3,187	6.36	2.91	-2.18556701	1.45E-11
CMTM4	10,887	1.63	0.48	-3.395833333	0
CNKSR3	5,713	66.66	2.53	-26.34782609	0
CNN3	2,032	71.76	9.37	-7.658484525	0
CNOT2	3.28	30.65	14.79	-2.07234618	0
CNOT4	9,014	3.55	1.15	-3.086956522	0

CNOT6L	5,886	34.59	9.18	-3.767973856	0
COCH	3,026	32.04	15.36	-2.0859375	0
COL5A1	9.38	14.17	6.96	-2.03591954	0
COL9A2	2,831	2.41	0.51	-4.725490196	1.24E-10
COPS2	1,947	22.61	10.08	-2.243055556	0
CORO6	1,844	4.45	1.56	-2.852564103	1.03E-07
COTL1	1,827	13.54	5.17	-2.618955513	0
COX19	7,215	7.42	2.86	-2.594405594	0
CPEB4	6,909	4.68	0.81	-5.777777778	0
CPM	7,862	23.48	4.51	-5.206208426	0
CRAMP1L	7,728	13.47	6.49	-2.07550077	0
CRBN	2,581	16.67	7.50	-2.222666667	0
CREB3L2	14,906	6.47	3.06	-2.114379085	0
CREB5	17,979	5.57	0.03	-185.6666667	0
CREBBP	9,032	38.14	15.25	-2.500983607	0
CREBZF	7,304	11.74	2.68	-4.380597015	0
CRIM1	16,492	40.62	10.65	-3.814084507	0
CRMP1	3,507	5.62	2.04	-2.754901961	0
CRSP3	5,713	10.83	2.63	-4.117870722	0
CRSP6	3,412	8.35	2.51	-3.326693227	0
CRSP7	3,184	8.27	3.31	-2.498489426	0
CRY1	2,985	16.54	5.75	-2.876521739	0
CRYGN	1,704	4.47	0.18	-24.83333333	0
CSAD	2,645	10.06	1.65	-6.096969697	0
CSDA	1,913	659.05	216.20	-3.048334875	0
CSF3R	4,705	4.77	1.27	-3.755905512	0
CSNK1D	9,262	50.01	23.46	-2.131713555	0
CTAGE6	5,866	1.86	0.16	-11.625	0
CTDSPL2	3,241	12.21	4.42	-2.762443439	0
CTGF	2,286	328.19	122.78	-2.672992344	0
CTNNAL1	2,695	17.58	5.10	-3.447058824	0
CTNND1	7,311	42.25	16.62	-2.54211793	0
CTRL	1,169	6.85	0.65	-10.53846154	0
CTSK	1,702	2.84	0.35	-8.114285714	2.31E-10
CTTNBP2NL	4,471	7.28	2.15	-3.386046512	0
CUGBP1	7,276	43.47	13.17	-3.300683371	0
CUL5	6,621	7.73	2.27	-3.405286344	0

CWF19L1	3,747	15.37	4.93	-3.117647059	0
CXCR4	3,049	567.92	180.43	-3.147591864	0
CXorf40B	1.86	21.92	10.43	-2.101629914	0
CXYorf2	0.902	12.50	5.42	-2.306273063	9.37E-08
CXYorf3	3.21	49.10	22.31	-2.200806813	0
CYLD	6,782	16.76	7.90	-2.121518987	0
D2HGDH	2,893	20.76	6.81	-3.04845815	0
DCP1A	4,013	18.54	5.01	-3.700598802	0
DCTN4	4,481	90.76	32.58	-2.785758134	0
DCTN6	1,234	22.05	8.41	-2.621878716	0
DDC	5,174	5.72	1.46	-3.917808219	0
DDHD1	3,548	5.64	2.37	-2.379746835	2.17E-13
DDI2	1,759	9.00	1.78	-5.056179775	0
DDIT3	0.911	26.07	8.41	-3.099881094	0
DDR1	12,999	2.41	0.27	-8.925925926	0
DDX3Y	4.41	41.60	11.90	-3.495798319	0
DDX59	5,113	12.99	5.50	-2.361818182	0
DEADC1	3,548	5.19	2.18	-2.380733945	1.96E-12
deltaNEMO	8,886	8.97	1.90	-4.721052632	0
DENND3	9,178	154.02	48.82	-3.154854568	0
DENND4A	6,585	11.93	2.49	-4.791164659	0
DENND4C	5,507	7.46	3.02	-2.470198675	0
DGKD	11,352	35.02	11.42	-3.066549912	0
DHRS12	3,694	8.03	3.58	-2.24301676	0
DHX36	3,601	9.64	4.56	-2.114035088	0
DHX40P	39,226	0.29	0.03	-9.666666667	0
DICER1	10,413	9.33	1.92	-4.859375	0
DKFZP564O0523	3,434	5.42	1.57	-3.452229299	0
DKFZp586l1420	5.52	13.15	3.10	-4.241935484	0
DLG3	5,148	9.79	0.93	-10.52688172	0
DLL1	3,077	3.60	1.32	-2.727272727	1.32E-09
DMTF1	8,625	15.44	4.42	-3.49321267	0
DNAH1	13,429	3.18	1.14	-2.789473684	0
DNAH17	4,791	1.84	0.39	-4.717948718	2.01E-13
DNAJB14	5.96	4.15	1.27	-3.267716535	0
DNAJB9	4,742	2.06	0.54	-3.814814815	3.25E-12
DNHD1	3,378	3.19	1.17	-2.726495726	1.81E-09

DNM1L	4,015	16.19	7.07	-2.289957567	0
DNMBP	6,199	20.00	3.48	-5.747126437	0
DOK2	1.77	5.93	1.28	-4.6328125	1.00E-15
DOPEY1	7,899	2.70	1.16	-2.327586207	1.21E-13
DRAM	3,058	6.66	2.94	-2.265306122	2.02E-12
DST	30,184	0.20	0.02	-10	5.90E-14
DUSP10	3,609	3.01	0.87	-3.459770115	2.54E-12
DUSP2	1,682	35.18	7.51	-4.684420772	0
DUSP26	1,649	22.08	8.33	-2.650660264	0
DUSP8	2,371	11.18	0.10	-111.8	0
DYNC1LI2	6,326	25.31	4.45	-5.687640449	0
DYRK1A	13.9	14.93	4.24	-3.521226415	0
EAF1	4,838	22.25	10.53	-2.113010446	0
EDD1	9,394	19.77	7.17	-2.757322176	0
EDG1	2,898	24.38	0.35	-69.65714286	0
EDG4	1,823	14.43	5.22	-2.764367816	0
EFCAB4B	2,719	7.42	2.28	-3.254385965	0
EIF1	1,468	669.51	319.15	-2.097791007	0
EIF1B	1,012	81.54	27.97	-2.915266357	0
EIF2AK3	5,251	55.13	3.08	-17.89935065	0
EIF2AK4	5,512	23.19	10.79	-2.149212234	0
EIF2C2	7,328	33.21	2.48	-13.39112903	0
ELF1	4,508	98.15	22.58	-4.34676705	0
ELF2	4,018	18.39	4.33	-4.247113164	0
ELK4	5,347	6.20	2.86	-2.167832168	0
ELL2	4,525	11.80	3.14	-3.757961783	0
EML4	5,523	10.25	3.78	-2.711640212	0
EMP3	0.816	141.50	43.15	-3.279258401	0
ENTPD4	10,151	49.61	5.99	-8.282136895	0
EPAS1	5,138	39.07	8.68	-4.501152074	0
EPB41L4A	4,707	5.02	1.72	-2.918604651	0
EPM2AIP1	5,567	8.64	4.03	-2.143920596	0
EPS8	3,906	4.38	0.48	-9.125	0
ERO1LB	3,689	12.44	2.02	-6.158415842	0
ERV3	3,558	7.20	2.56	-2.8125	0
ETAA1	3,283	4.25	1.87	-2.272727273	3.32E-09
ETS1	5,194	17.60	6.76	-2.603550296	0

ETS2	7,575	157.35	53.57	-2.937278327	0
ETV3	1,411	6.24	1.13	-5.522123894	3.00E-15
EXOC8	5,099	5.55	1.49	-3.724832215	0
F13A1	3,834	20.74	3.93	-5.27735369	0
F3	3.26	15.85	0.15	-105.6666667	0
FABP5L3	14,901	4.74	0.55	-8.618181818	0
FADS3	1,779	31.81	8.62	-3.69025522	0
FAM105B	3,999	9.35	4.51	-2.073170732	0
FAM116A	4,643	9.44	2.70	-3.496296296	0
FAM13A1	6,134	3.31	1.11	-2.981981982	0
FAM13A1OS	3.21	2.87	0.71	-4.042253521	2.37E-12
FAM3C	6,602	13.76	1.94	-7.092783505	0
FAM44A	10,542	7.37	3.42	-2.15497076	0
FAM49A	4,208	29.79	12.36	-2.410194175	0
FAM53B	5,907	138.38	46.21	-2.994589916	0
FAM53C	4.13	39.72	16.42	-2.419001218	0
FAM69B	5,087	29.35	7.11	-4.127988748	0
FAM73A	5,274	1.30	0.38	-3.421052632	2.21E-08
FAM76B	3,825	8.23	2.21	-3.7239819	0
FAM8A1	4,677	10.68	1.60	-6.675	0
FAM91A1	5,617	13.23	1.68	-7.875	0
FBXL20	3.76	9.73	3.79	-2.567282322	0
FBXL3	3,468	17.57	5.44	-3.229779412	0
FBXO11	5.44	22.95	7.99	-2.872340426	0
FBXO3	2,986	10.87	1.56	-6.967948718	0
FBXO30	4,408	2.90	1.05	-2.761904762	2.77E-11
FBXO31	4,997	20.85	7.55	-2.761589404	0
FBXO32	1,855	4.59	0.95	-4.831578947	1.21E-13
FBXO33	3,683	8.57	2.26	-3.792035398	0
FBXO34	3,537	14.18	6.94	-2.043227666	0
FBXO8	2,564	5.13	2.17	-2.3640553	5.07E-09
FBXW2	1,875	23.91	11.82	-2.02284264	0
FBXW7	5,823	62.85	25.84	-2.432275542	0
FCHO2	4.89	2.81	1.02	-2.754901961	1.22E-11
FEM1C	6,444	12.43	1.10	-11.3	0
FFAR1	1.89	10.36	0.19	-54.52631579	0
FGD6	4,996	2.02	0.55	-3.672727273	1.62E-12

FKBP5	5.38	115.29	28.43	-4.055223356	0
FLJ10154	4,009	81.15	36.87	-2.200976404	0
FLJ10213	1,679	4.30	0.50	-8.6	2.00E-15
FLJ10324	7,693	3.30	0.27	-12.22222222	0
FLJ10404	4.6	26.63	11.34	-2.348324515	0
FLJ13197	2,368	8.27	0.82	-10.08536585	0
FLJ20152	4,085	5.01	0.12	-41.75	0
FLJ20309	4,485	6.88	1.98	-3.474747475	0
FLJ21865	3.95	12.30	5.77	-2.131715771	0
FLJ22639	1,301	4.26	0.65	-6.553846154	7.67E-11
FLJ33590	2,163	6.08	0.78	-7.794871795	0
FLJ37953	5,134	3.41	1.41	-2.418439716	4.01E-12
FLJ38379	4,035	7.84	1.23	-6.37398374	0
FLJ38717	2,617	2.65	0.29	-9.137931034	3.00E-15
FLJ39632	4,779	2.84	1.32	-2.151515152	3.53E-08
FLJ41352	4,562	27.33	10.83	-2.523545706	0
FLJ43276	2.15	2.25	0.20	-11.25	1.62E-11
FLJ43339	7,848	74.59	24.08	-3.097591362	0
FLJ45340	7,078	1.38	0.48	-2.875	3.24E-09
FLT1	5,783	5.10	2.40	-2.125	1.00E-15
FMR1	5,378	12.81	3.42	-3.745614035	0
FNBP4	4,609	37.93	16.63	-2.280817799	0
FNDC3A	6,001	4.76	2.29	-2.07860262	3.20E-14
FNIP1	6,567	12.57	1.11	-11.32432432	0
FOSL2	5,685	28.45	3.90	-7.294871795	0
FOXJ3	5,906	45.03	11.24	-4.006227758	0
FOXK1	22,382	4.87	2.37	-2.054852321	0
FOXO1A	6,561	74.69	12.82	-5.826053042	0
FOXO3A	4.23	19.72	4.49	-4.391982183	0
FPR1	1,317	12.32	0.96	-12.83333333	0
FRAT2	2,205	6.42	3.09	-2.077669903	5.79E-08
FRS2	1,782	7.83	1.14	-6.868421053	0
FURIN	4.18	70.30	29.80	-2.359060403	0
FUSIP1	4,199	23.49	9.13	-2.572836802	0
FZD6	3,754	7.91	3.93	-2.012722646	7.20E-14
FZD8	3,186	21.62	3.23	-6.693498452	0
GAB2	6,429	92.06	31.05	-2.96489533	0

GABARAPL1	1.87	37.72	1.85	-20.38918919	0
GABPB2	4,682	37.80	17.14	-2.205367561	0
GALNACT-2	3,724	8.34	2.33	-3.579399142	0
GARNL4	6,661	15.52	5.74	-2.703832753	0
GAS7	8,773	15.89	5.19	-3.061657033	0
GATS	7,214	12.44	5.01	-2.483033932	0
GCC1	8,264	3.94	1.67	-2.359281437	0
GFOD1	5,515	16.26	1.16	-14.01724138	0
GHR	4.36	1.64	0.48	-3.416666667	1.26E-08
GK5	10,085	1.21	0.24	-5.041666667	0
GLUDP3	6,136	2.95	0.66	-4.46969697	0
GMEB2	6.02	29.25	5.46	-5.357142857	0
GMFB	4,125	7.48	1.65	-4.533333333	0
GNA12	11,224	33.25	11.23	-2.960819234	0
GNA13	4,972	36.27	12.28	-2.953583062	0
GNLY	1.21	14.23	3.20	-4.446875	0
GOLGA1	4,798	3.14	1.33	-2.360902256	2.24E-10
GOLGA4	7,702	5.33	2.29	-2.327510917	0
GOLGA8A	5,229	14.44	2.79	-5.17562724	0
GOLGA8B	4,044	23.71	3.09	-7.673139159	0
GOLGB1	11.09	12.23	5.87	-2.083475298	0
GOLT1B	2,924	4.27	1.18	-3.618644068	1.50E-14
GPR110	9,504	46.32	15.44	-3	0
GPR132	7,358	33.27	8.34	-3.989208633	0
GPR146	3,514	11.57	3.71	-3.118598383	0
GPR160	2,473	7.80	0.63	-12.38095238	0
GPR176	5,352	102.80	8.22	-12.50608273	0
GPR81	2,977	3.53	0.40	-8.825	0
GPR97	2,656	3.32	0.44	-7.545454545	0
GPRASP1	4,705	2.00	0.41	-4.87804878	8.00E-15
GPRC5C	2,434	13.70	5.85	-2.341880342	0
GPRIN3	10,165	37.37	13.09	-2.854851031	0
GRAMD1C	3,912	4.99	0.70	-7.128571429	0
GRASP	4,322	54.14	0.53	-102.1509434	0
GRB7	3,417	26.43	1.84	-14.36413043	0
GREM1	4,134	2.90	1.10	-2.636363636	7.10E-10
GSPT1	4,171	63.83	24.96	-2.557291667	0

GTF2IP1	111,876	0.13	0.06	-2.166666667	9.72E-09
GYG1	1,805	53.99	13.30	-4.059398496	0
H1F0	2.33	506.91	186.19	-2.72254149	0
H1FX	1,503	553.27	272.54	-2.030050635	0
H3F3A	2,223	14.29	1.21	-11.80991736	0
HABP4	2,102	12.33	2.83	-4.356890459	0
HBP1	7,193	27.86	4.81	-5.792099792	0
HCFC2	2,583	6.59	2.12	-3.108490566	0
hCG_1778014	2,645	1.90	0.13	-14.61538462	5.59E-13
hCG_20114	1,404	7.96	2.10	-3.79047619	6.80E-14
hCG_26523	0.523	149.26	37.21	-4.011287288	0
HECA	5,621	49.18	5.49	-8.958105647	0
HEG1	9,213	1.43	0.24	-5.958333333	0
HERC1	16.21	13.04	4.97	-2.623742455	0
HEXIM1	4,785	15.96	7.72	-2.067357513	0
HIAT1	2,915	17.71	8.61	-2.056910569	0
HIATL2	68,322	0.20	0.07	-2.857142857	1.69E-12
HIC2	6,794	5.12	2.33	-2.197424893	0
HIF1A	7,182	104.35	12.92	-8.076625387	0
HIP1R	4,473	20.99	2.02	-10.39108911	0
HIPK1	9,005	31.01	6.34	-4.891167192	0
HIPK3	5,721	28.84	10.10	-2.855445545	0
HIVEP1	9,026	4.44	0.97	-4.577319588	0
HLA-DRB2	15.03	1.81	0.90	-2.011111111	6.54E-13
HPS4	11,287	190.06	67.09	-2.832911015	0
HRB	6,513	22.16	5.69	-3.894551845	0
HRH2	3,315	22.98	8.40	-2.735714286	0
HSF2	2,445	7.81	2.52	-3.099206349	0
HSF4	1,546	9.22	4.20	-2.195238095	1.43E-08
HSPC049	6,712	14.02	6.56	-2.137195122	0
HSZFP36	2,368	2.88	0.85	-3.388235294	3.54E-08
IBRDC2	4,768	1.08	0.07	-15.42857143	1.47E-13
ICOSLG	4,996	41.13	14.29	-2.878236529	0
IDI1	2,427	43.13	19.55	-2.206138107	0
IFNGR1	2,249	20.54	8.59	-2.391152503	0
IFNGR2	2,494	19.60	9.36	-2.094017094	0
IFRG15	0.396	50.72	6.81	-7.447870778	0

IGHJ5	0.768	21.26	4.22	-5.037914692	0
IGHJ6	2,716	34.79	11.90	-2.923529412	0
IGHM	2,077	487.54	194.55	-2.505988178	0
IGHV4-59	0.35	189.39	57.28	-3.306389665	0
IHPK1	4,856	32.29	12.61	-2.560666138	0
IKZF5	2.9	14.33	2.67	-5.367041199	0
IL10RA	3,649	25.27	11.54	-2.189774697	0
IL17RA	4,007	6.18	1.87	-3.304812834	0
IL18RAP	2,668	2.56	0.09	-28.444444444	0
IL1RAP	5,662	2.93	0.89	-3.292134831	0
IL6ST	8,247	30.79	2.01	-15.31840796	0
IL6STP	13,085	0.46	0.07	-6.571428571	6.68E-12
IL7R	3,309	14.47	7.01	-2.064194009	0
INPP5F	5.61	5.55	1.96	-2.831632653	0
INSR	8,558	48.35	20.69	-2.336877719	0
IRAK3	2,567	20.31	1.18	-17.21186441	0
IRF4	5,056	3.89	1.68	-2.31547619	1.53E-12
IRGQ	2,484	7.45	2.13	-3.497652582	0
IRS2	7.68	28.82	2.81	-10.25622776	0
ISG20	2,284	38.47	14.28	-2.693977591	0
ISYNA1	1,825	3.58	0.65	-5.507692308	2.15E-11
ITCH	6,357	16.15	4.84	-3.33677686	0
ITGA10	5.17	2.36	0.46	-5.130434783	0
ITGA5	5,395	90.46	44.73	-2.02235636	0
ITGA9	4,876	11.53	1.47	-7.843537415	0
ITGAV	7,022	1.27	0.38	-3.342105263	3.34E-10
ITGAX	4,649	2.64	0.16	-16.5	0
ITIH4	3.26	5.04	1.09	-4.623853211	0
ITK	4,366	2.11	0.06	-35.16666667	0
ITPKB	6,151	9.89	4.36	-2.268348624	0
ITPR1	13,031	22.01	6.20	-3.55	0
ITSN2	8,249	13.50	4.64	-2.909482759	0
IVNS1ABP	8,456	32.65	6.67	-4.895052474	0
JARID1A	7,024	25.25	7.38	-3.421409214	0
JARID2	14,431	32.15	5.58	-5.761648746	0
JMJD1A	4,718	24.79	7.32	-3.386612022	0
JMJD1C	10,104	45.34	6.66	-6.807807808	0

JMY	2,677	11.39	2.07	-5.502415459	0
JOSD3	2,722	43.43	13.75	-3.158545455	0
JUNB	1,816	73.27	29.50	-2.483728814	0
JUND	1,899	541.94	190.96	-2.83797654	0
KALRN	12.55	2.88	0.51	-5.647058824	0
KATNAL1	8,215	6.07	1.68	-3.613095238	0
KBTBD11	6.71	3.14	1.10	-2.854545455	0
KBTBD2	7,216	16.47	4.60	-3.580434783	0
KBTBD8	4,617	2.52	0.42	-6	0
KCNC3	4,096	5.65	2.60	-2.173076923	7.04E-13
KCNS3	2.33	17.71	6.36	-2.784591195	0
KCTD7	5.15	3.23	1.42	-2.274647887	1.20E-10
KIAA0143	5,313	11.51	4.86	-2.368312757	0
KIAA0182	7,395	9.02	2.01	-4.487562189	0
KIAA0247	5,614	19.85	8.81	-2.253121453	0
KIAA0256	6,779	25.55	4.03	-6.339950372	0
KIAA0317	5,445	21.38	7.03	-3.041251778	0
KIAA0404	8,389	27.45	6.31	-4.350237718	0
KIAA0776	4,408	8.73	3.52	-2.480113636	0
KIAA0831	4,742	15.40	1.88	-8.191489362	0
KIAA0922	5,209	18.56	4.21	-4.408551069	0
KIAA1033	6,679	18.86	6.34	-2.974763407	0
KIAA1109	15,575	3.26	1.58	-2.063291139	0
KIAA1143	0.832	11.18	4.05	-2.760493827	2.59E-08
KIAA1189	5,428	19.05	0.06	-317.5	0
KIAA1333	5,533	1.93	0.70	-2.757142857	2.73E-09
KIAA1370	6,365	11.84	2.79	-4.243727599	0
KIAA1432	5,674	19.72	6.55	-3.010687023	0
KIAA1468	3,396	6.23	2.35	-2.65106383	0
KIAA1509	7,965	17.31	6.59	-2.626707132	0
KIAA1530	4.56	4.54	2.25	-2.017777778	2.96E-10
KIAA1546	9,233	2.84	0.52	-5.461538462	0
KIAA1600	5.69	20.80	2.72	-7.647058824	0
KIAA1632	12,698	6.76	2.44	-2.770491803	0
KIAA1683	3,757	4.48	1.75	-2.56	1.02E-12
KIAA1718	18,356	1.14	0.52	-2.192307692	5.85E-12
KIAA1754	5,119	24.32	8.11	-2.998766954	0

KIAA1881	6,353	0.76	0.08	-9.5	4.96E-11
KIAA2002	11,249	4.12	1.35	-3.051851852	0
KIAA2018	9,429	5.89	2.12	-2.778301887	0
KIF21B	9,895	1.84	0.82	-2.243902439	3.68E-11
KIFC2	3,248	7.43	2.96	-2.510135135	0
KLF13	6.8	106.08	19.25	-5.510649351	0
KLF2	2,035	257.18	85.04	-3.024223895	0
KLF3	6,564	45.29	7.21	-6.281553398	0
KLF7	10,632	34.14	2.82	-12.10638298	0
KLF9	5,208	65.64	4.89	-13.42331288	0
KLHDC2	1,806	34.24	16.32	-2.098039216	0
KLHL14	4,261	1.77	0.08	-22.125	0
KLHL15	2.62	12.04	2.67	-4.509363296	0
KLHL2	5,813	54.02	13.92	-3.880747126	0
KLHL24	9,309	38.42	2.36	-16.27966102	0
KLHL26	3,122	3.46	1.38	-2.507246377	1.82E-08
KLHL29	5,047	1.41	0.17	-8.294117647	8.00E-15
KLHL3	6.49	2.73	1.31	-2.083969466	1.28E-09
KLHL5	4,021	15.95	4.19	-3.806682578	0
KPNA4	3,802	19.13	9.26	-2.06587473	0
KPNA5	2,158	2.84	0.54	-5.259259259	1.89E-10
KRAS	10,087	10.78	1.94	-5.556701031	0
LATS2	5,589	12.85	5.51	-2.332123412	0
LBR	5,413	25.61	10.32	-2.481589147	0
LCN6	1,195	12.26	1.78	-6.887640449	0
LCOR	5,445	4.38	0.53	-8.264150943	0
LDLR	5,174	3.87	1.92	-2.015625	6.30E-10
LEMD3	4,931	25.28	10.38	-2.435452794	0
LENG8	5,661	177.56	35.79	-4.961162336	0
LGALS3	0.91	9.89	1.67	-5.922155689	1.00E-15
LGR5	2.88	1.89	0.24	-7.875	1.36E-11
LILRA1	1.91	3.99	0.84	-4.75	8.41E-12
LIMD2	4,029	107.65	48.81	-2.205490678	0
LIN7C	4,671	4.11	1.16	-3.543103448	0
LMBR1L	4,744	38.40	12.02	-3.194675541	0
LMBRD1	2,039	12.27	5.33	-2.30206379	4.00E-15
LMTK2	11,523	2.40	0.92	-2.608695652	0

LNx2	5,189	6.44	1.02	-6.31372549	0
LOC138948	2,901	2.56	0.49	-5.224489796	1.51E-12
LOC143188	1,335	7.71	0.47	-16.40425532	0
LOC146517	7,518	30.10	3.91	-7.698209719	0
LOC153222	5,964	15.31	1.67	-9.167664671	0
LOC155100	4,852	6.36	0.96	-6.625	0
LOC162073	2,979	9.10	2.76	-3.297101449	0
LOC220594	4,329	1.14	0.18	-6.333333333	2.14E-09
LOC23117	9,381	1.48	0.45	-3.288888889	1.40E-14
LOC283663	1,177	7.48	0.50	-14.96	0
LOC283970	2,248	3.87	1.05	-3.685714286	1.15E-10
LOC284371	3,537	3.05	1.15	-2.652173913	4.33E-09
LOC285074	1,957	8.19	3.44	-2.380813953	3.61E-11
LOC285095	1,054	9.39	1.56	-6.019230769	0
LOC285296	6,079	1.32	0.19	-6.947368421	1.00E-15
LOC286016	4,225	8.53	1.38	-6.18115942	0
LOC339745	5,709	2.81	0.65	-4.323076923	0
LOC344423	1,313	8.59	2.04	-4.210784314	2.00E-15
LOC388720	0.588	33.99	5.88	-5.780612245	0
LOC388814	0.849	13.05	3.91	-3.337595908	3.24E-12
LOC390940	1,418	16.96	4.57	-3.711159737	0
LOC391136	3,335	2.20	0.63	-3.492063492	4.96E-09
LOC391526	1,091	26.48	0.25	-105.92	0
LOC391562	5,382	3.60	0.74	-4.864864865	0
LOC399655	3,966	2.82	1.10	-2.563636364	3.82E-09
LOC400451	2,627	6.97	0.93	-7.494623656	0
LOC400879	4,778	2.01	0.70	-2.871428571	2.54E-09
LOC400927	39,945	0.32	0.15	-2.133333333	1.67E-07
LOC401577	1,023	9.28	1.24	-7.483870968	0
LOC440354	42,485	0.23	0.04	-5.75	0
LOC440359	1,869	120.48	45.39	-2.654329147	0
LOC440456	4,642	12.60	1.69	-7.455621302	0
LOC440993	2,734	5.90	1.33	-4.436090226	0
LOC441220	7,263	3.76	0.37	-10.16216216	0
LOC441720	15,173	0.62	0.22	-2.818181818	8.81E-09
LOC442668	0.83	7.04	1.21	-5.818181818	4.69E-11
LOC51233	1,625	7.06	2.87	-2.459930314	1.27E-08

LOC54103	4,552	3.76	1.35	-2.785185185	1.40E-14
LOC55565	1,822	10.91	2.54	-4.295275591	0
LOC595101	72,082	0.15	0.05	-3	7.97E-11
LOC613037	26,038	0.19	0.03	-6.333333333	1.19E-09
LOC642004	4,382	1.49	0.42	-3.547619048	1.73E-08
LOC642096	23,878	0.37	0.08	-4.625	2.01E-13
LOC642395	64,887	0.48	0.10	-4.8	0
LOC642397	90,284	0.48	0.14	-3.428571429	0
LOC643008	5,585	1.24	0.37	-3.351351351	3.18E-08
LOC643167	2,454	34.39	12.42	-2.768921095	0
LOC643219	27,473	0.75	0.14	-5.357142857	0
LOC643260	0.525	55.97	9.15	-6.116939891	0
LOC644010	2,696	8.26	1.79	-4.61452514	0
LOC644231	68,093	0.15	0.06	-2.5	4.47E-08
LOC644315	0.72	39.57	16.38	-2.415750916	0
LOC644330	2,672	7.48	1.65	-4.533333333	0
LOC644353	5,825	3.02	0.84	-3.595238095	0
LOC644761	1,509	5.50	1.62	-3.395061728	1.77E-09
LOC645158	2,013	3.15	0.37	-8.513513514	2.70E-14
LOC645381	0.603	36.75	8.94	-4.110738255	0
LOC645486	64,701	0.99	0.47	-2.106382979	0
LOC645676	3,116	5.87	1.71	-3.432748538	0
LOC645771	65,195	0.11	0.03	-3.666666667	5.31E-09
LOC646022	2,478	14.45	4.13	-3.498789346	0
LOC646202	17,155	1.20	0.59	-2.033898305	2.64E-10
LOC646220	2,227	11.20	1.78	-6.292134831	0
LOC646269	0.81	108.83	43.47	-2.503565677	0
LOC646396	26,249	0.95	0.03	-31.66666667	0
LOC646470	0.741	7.07	0.34	-20.79411765	7.00E-15
LOC646483	0.919	94.63	34.74	-2.723949338	0
LOC646489	20,555	0.88	0.21	-4.19047619	0
LOC646496	0.642	40.99	0.79	-51.88607595	0
LOC646517	4,313	4.20	1.41	-2.978723404	0
LOC646561	2,847	2.29	0.50	-4.58	3.57E-10
LOC646976	2,238	3.23	0.23	-14.04347826	0
LOC647001	1,288	6.07	1.97	-3.081218274	3.59E-08
LOC647121	52,598	0.13	0.03	-4.333333333	3.66E-10

LOC649553	24,662	0.65	0.24	-2.708333333	2.63E-13
LOC650560	2.43	5.70	2.19	-2.602739726	4.55E-11
LOC651746	11.93	17.70	0.03	-590	0
LOC653103	1,572	13.34	3.86	-3.455958549	0
LOC653479	38,233	0.42	0.11	-3.818181818	0
LOC653635	24,608	0.38	0.13	-2.923076923	6.70E-09
LOC677762	1,033	8.24	1.63	-5.055214724	1.21E-13
LOC727725	1,907	35.59	11.54	-3.084055459	0
LOC727758	1,319	17.48	4.02	-4.348258706	0
LOC727843	1.72	7.76	0.98	-7.918367347	0
LOC727866	3,398	7.95	2.75	-2.890909091	0
LOC727869	1,117	8.77	3.47	-2.527377522	9.53E-08
LOC727918	2,428	6.08	2.63	-2.311787072	6.67E-10
LOC727926	0.958	21.58	0.18	-119.8888889	0
LOC728014	1,141	18.56	1.85	-10.03243243	0
LOC728225	30,706	18.26	4.46	-4.094170404	0
LOC728233	23,854	1.63	0.61	-2.672131148	0
LOC728238	0.872	26.89	3.67	-7.326975477	0
LOC728256	1.98	9.70	2.86	-3.391608392	0
LOC728272	2,033	23.55	4.21	-5.593824228	0
LOC728280	0.615	38.61	10.82	-3.568391867	0
LOC728389	0.552	14.16	1.53	-9.254901961	0
LOC728392	4,556	5.91	1.83	-3.229508197	0
LOC728423	54,354	0.20	0.04	-5	0
LOC728512	0.39	121.26	51.63	-2.348634515	0
LOC728533	2,377	12.49	6.02	-2.074750831	6.00E-15
LOC728551	0.294	41.05	11.46	-3.582024433	4.30E-14
LOC728590	0.565	54.28	26.54	-2.04521477	9.00E-15
LOC728677	2,186	3.17	0.23	-13.7826087	0
LOC728730	0.73	10.17	1.16	-8.767241379	1.00E-15
LOC728844	1.81	71.77	27.22	-2.636664217	0
LOC728862	7,318	29.26	5.31	-5.510357815	0
LOC728927	1,317	6.92	0.96	-7.208333333	0
LOC728974	2,301	20.25	1.30	-15.57692308	0
LOC729021	6,544	5.59	0.79	-7.075949367	0
LOC729027	1,191	6.98	1.27	-5.496062992	5.70E-14
LOC729119	0.615	28.00	11.37	-2.462620932	2.75E-12

LOC729154	1,502	12.78	3.14	-4.070063694	0
LOC729211	22,577	0.43	0.04	-10.75	0
LOC729222	57,739	0.09	0.01	-9	3.56E-12
LOC729290	1,849	39.60	4.10	-9.658536585	0
LOC729389	0.787	96.17	46.67	-2.060638526	0
LOC729530	3,996	27.83	2.95	-9.433898305	0
LOC729603	3,131	6.92	0.53	-13.05660377	0
LOC729660	8,351	0.74	0.15	-4.933333333	2.12E-10
LOC729751	2,539	15.67	2.96	-5.293918919	0
LOC729799	2,586	32.64	6.09	-5.359605911	0
LOC729806	2,272	19.29	4.83	-3.99378882	0
LOC729824	0.792	14.99	1.12	-13.38392857	0
LOC729874	1,093	4.98	0.37	-13.45945946	2.00E-14
LOC729897	1,637	13.66	3.24	-4.216049383	0
LOC729946	0.527	59.13	8.31	-7.115523466	0
LOC730051	19,925	1.03	0.50	-2.06	1.53E-10
LOC730062	1,419	5.79	0.36	-16.08333333	0
LOC730092	33,969	0.46	0.13	-3.538461538	0
LOC730099	61,001	0.30	0.12	-2.5	1.70E-13
LOC730108	1,014	16.59	3.24	-5.12037037	0
LOC730111	0.828	27.48	6.20	-4.432258065	0
LOC730161	0.629	12.43	1.22	-10.18852459	0
LOC81625	1,938	7.15	0.48	-14.89583333	0
LONRF1	3,584	3.54	0.35	-10.11428571	0
LOXL2	3.81	4.26	1.35	-3.155555556	0
LPIN1	6,117	24.70	4.14	-5.966183575	0
LPP	10,741	9.10	3.51	-2.592592593	0
LRAP	4,226	9.65	0.65	-14.84615385	0
LRCH1	7,774	25.88	5.06	-5.114624506	0
LRIG2	4,015	7.57	1.95	-3.882051282	0
LRP5L	8,835	49.47	4.23	-11.69503546	0
LRRC37A2	3,594	7.43	3.33	-2.231231231	2.00E-15
LRRC40	2,847	4.76	1.90	-2.505263158	2.62E-10
LRRC57	2,647	12.52	3.43	-3.650145773	0
LRRC8B	3,882	5.15	0.78	-6.602564103	0
LRRC8C	4,749	65.37	13.44	-4.863839286	0
LSR	2,278	4.12	1.51	-2.728476821	2.59E-08

LUC7L2	9,766	34.51	14.94	-2.309906292	0
LUZP1	7,539	19.23	7.06	-2.723796034	0
LYSMD3	4,261	2.09	0.69	-3.028985507	2.25E-09
LYSMD4	2,885	9.60	4.33	-2.217090069	1.00E-15
MAD2L1BP	1.63	9.41	3.93	-2.394402036	1.28E-10
MAFF	2,549	29.15	2.48	-11.75403226	0
MAFK	6,913	24.47	3.85	-6.355844156	0
MALAT1	8,356	160.03	66.04	-2.423228346	0
MAN2A2	6,269	16.02	6.48	-2.472222222	0
MAP1LC3A	1,121	6.18	1.27	-4.866141732	2.34E-11
MAP1LC3B	2,492	97.62	33.32	-2.929771909	0
MAP3K2	6,562	9.83	2.34	-4.200854701	0
MAP3K3	5,701	37.76	10.65	-3.545539906	0
MAP3K8	3,534	6.99	1.06	-6.594339623	0
MAP4K3	5,202	16.97	1.60	-10.60625	0
MAP4K5	4,614	15.39	4.21	-3.655581948	0
MAPK7	4,378	9.49	1.90	-4.994736842	0
MAPK8	2,607	10.32	3.76	-2.744680851	0
MAPK8IP3	8,412	43.14	16.61	-2.597230584	0
MAPKAPK2	5,572	32.01	14.88	-2.151209677	0
MARCH5	3,926	15.53	5.73	-2.710296684	0
MARCH6	6,451	39.02	10.81	-3.609620722	0
MASP2	3,023	6.15	0.94	-6.542553191	0
MATN3	2,919	5.32	1.21	-4.396694215	0
MBNL2	8,064	8.76	0.97	-9.030927835	0
MBOAT1	3,275	5.29	2.42	-2.185950413	4.06E-10
MCL1	6,934	51.50	18.81	-2.737905369	0
MDM2	6,803	37.06	15.59	-2.377164849	0
MDM4	4,666	34.86	4.74	-7.35443038	0
ME3	2,342	10.99	4.03	-2.727047146	0
MECP2	11,364	8.99	4.38	-2.052511416	0
MED6	1,344	12.37	4.51	-2.742793792	8.40E-14
MERTK	3,626	4.09	0.25	-16.36	0
MFN1	3,519	9.98	2.28	-4.377192982	0
MGAM	12,969	0.87	0.09	-9.666666667	0
MGAT5	6,255	4.63	1.16	-3.99137931	0
MGC17330	2,846	75.41	25.93	-2.908214423	0

MGC40489	3,344	15.21	6.39	-2.38028169	0
MGC45134	1,627	44.82	6.47	-6.927357032	0
MGEA5	9,236	71.66	20.82	-3.441882805	0
MIER1	4,972	7.72	1.84	-4.195652174	0
MIER3	5,201	7.71	2.01	-3.835820896	0
MIS12	2,502	9.37	4.44	-2.11036036	1.41E-12
MKLN1	22,736	3.00	0.99	-3.03030303	0
MKNK2	4,546	115.48	51.82	-2.228483211	0
MLL	14,982	9.90	2.98	-3.322147651	0
MLL3	36,091	5.34	1.43	-3.734265734	0
MLL5	15,171	39.27	6.99	-5.618025751	0
MLSTD2	5,602	8.10	1.69	-4.792899408	0
MMP23A	5,465	2.64	1.09	-2.422018349	2.69E-10
MMP28	3,035	8.67	3.31	-2.619335347	0
MOBKL1A	6,958	2.58	1.10	-2.345454545	6.81E-12
MORC3	4,227	9.39	4.24	-2.214622642	0
MSI2	9,352	38.66	17.72	-2.181715576	0
MTCH1	3,289	122.04	55.04	-2.217296512	0
MTMR10	3,594	19.32	2.09	-9.244019139	0
MTMR15	7,575	13.57	6.05	-2.242975207	0
MTMR3	6,367	27.69	7.17	-3.861924686	0
MTMR6	4,185	11.99	1.73	-6.930635838	0
MTSS1	11,305	40.00	4.20	-9.523809524	0
MTX3	6,155	1.77	0.23	-7.695652174	0
MUC12	9,166	9.05	2.10	-4.30952381	0
MUC20	1,828	6.77	1.94	-3.489690722	5.70E-14
MUSTN1	1,725	11.87	4.25	-2.792941176	0
MXD1	5,587	4.39	0.66	-6.651515152	0
MXI1	3,968	9.15	3.50	-2.614285714	0
MYLIP	3,493	24.75	6.53	-3.790199081	0
MYO10	8,808	28.55	4.66	-6.126609442	0
MYO15B	2,908	7.11	1.19	-5.974789916	0
MYO1F	3,827	3.49	1.23	-2.837398374	4.65E-12
MYO1G	6,484	7.81	2.58	-3.027131783	0
MYSM1	3,546	9.63	3.37	-2.857566766	0
MYST3	7.86	57.62	11.08	-5.200361011	0
NAPE-PLD	9,674	5.16	0.37	-13.94594595	0

NAPG	1,507	8.08	3.48	-2.32183908	2.18E-08
NARG1L	4,754	5.45	1.37	-3.97810219	0
NBPF11	5,541	1.71	0.64	-2.671875	4.05E-08
NCOA3	8,028	10.76	5.20	-2.069230769	0
NDUFV2P1	1,181	37.11	14.41	-2.575294934	0
NECAP1	2,564	21.65	5.39	-4.016697588	0
NEIL1	3,116	33.85	5.67	-5.970017637	0
NEK3	2,509	10.73	2.82	-3.804964539	0
NEU4	2,302	6.23	0.14	-44.5	0
NFATC1	9,681	6.74	3.26	-2.067484663	0
NFE2L2	2,408	36.77	8.78	-4.187927107	0
NFKBIA	1.55	96.00	43.15	-2.224797219	0
NFKBIZ	4.7	13.85	2.48	-5.584677419	0
NKD2	1,798	3.41	0.33	-10.333333333	3.10E-14
NKTR	10.3	35.40	4.65	-7.612903226	0
NLGN3	3,895	2.84	0.35	-8.114285714	0
NLRP1	7,096	28.91	6.35	-4.552755906	0
NMT2	2,837	2.44	0.65	-3.753846154	2.36E-09
NNAT	1,304	5.23	0.32	-16.34375	0
NOD1	9,457	12.93	2.54	-5.090551181	0
NPC1	0.1	1251.55	483.51	-2.588467664	0
NPEPL1	2,186	16.70	6.90	-2.420289855	0
NPHP3	5.37	2.34	1.05	-2.228571429	4.12E-08
NR1D2	4,331	6.05	0.99	-6.111111111	0
NR2C1	2,632	9.14	4.13	-2.213075061	7.60E-14
NR2C2	8.33	13.10	5.11	-2.563600783	0
NR4A1	4.51	27.16	1.57	-17.29936306	0
NR4A2	6,229	4.88	1.09	-4.47706422	0
NRBP2	3,491	6.60	0.77	-8.571428571	0
NRN1	2,819	46.36	18.37	-2.523679913	0
NRXN3	8,019	11.41	4.11	-2.776155718	0
NSUN6	2.2	3.78	1.30	-2.907692308	4.48E-08
NT5C3	4,028	5.13	1.88	-2.728723404	0
NT5E	5,707	27.76	12.55	-2.211952191	0
NUAK2	3,401	3.06	0.14	-21.85714286	0
NUDT4	8,198	106.04	15.45	-6.863430421	0
NUDT4P1	2,565	140.71	26.80	-5.250373134	0

NUP153	6,013	25.13	6.86	-3.663265306	0
OGFRL1	3,821	24.67	8.18	-3.015892421	0
OGT	9,063	66.06	32.08	-2.059226933	0
OPA1	6,029	10.41	5.03	-2.069582505	0
OR2AE1	1,944	2.70	0.52	-5.192307692	5.08E-09
OR7A10	1,358	12.97	0.00	-12.97	0
OR7A5	2,138	97.82	3.35	-29.2	0
OSGIN2	4.2	3.30	1.58	-2.088607595	8.44E-08
OTUD1	3,512	7.38	3.58	-2.061452514	5.99E-13
P2RX5	2,568	6.17	0.82	-7.524390244	0
PAFAH1B2	2,611	28.99	13.92	-2.082614943	0
PAG1	10,744	9.75	2.46	-3.963414634	0
PALM2-AKAP2	9,219	4.55	1.85	-2.459459459	0
PAN3	5,333	35.01	8.38	-4.177804296	0
PANK3	4,488	6.22	1.93	-3.222797927	0
PAPD1	2,572	11.54	3.54	-3.259887006	0
PAQR6	3,709	11.50	2.61	-4.406130268	0
PARP15	3,751	39.56	8.64	-4.578703704	0
PARP8	3,205	13.55	4.27	-3.173302108	0
PBEF1	4,752	4.79	1.99	-2.407035176	3.00E-15
PBLD	2,917	3.05	0.75	-4.066666667	1.18E-11
PBX4	1,438	6.47	0.29	-22.31034483	0
PCGF3	6,876	15.22	5.13	-2.966861598	0
PCMTD1	6.62	13.33	5.00	-2.666	0
PCP2	1,223	16.50	6.83	-2.415812592	1.06E-13
PCTK1	3,704	26.90	12.03	-2.236076475	0
PCTK2	4.29	4.34	1.33	-3.263157895	0
PCTP	1,933	11.62	4.84	-2.400826446	6.00E-15
PDCD1	2,107	2.53	0.24	-10.54166667	1.84E-12
PDE2A	4.23	11.58	0.14	-82.71428571	0
PDE3B	4,774	3.81	0.07	-54.42857143	0
PDE4A	4,256	1.42	0.36	-3.944444444	2.15E-08
PDE4B	5,326	36.02	15.83	-2.275426406	0
PDE4D	5,876	2.28	0.44	-5.181818182	0
PDE8A	5,021	7.80	1.36	-5.735294118	0
PDE9A	2,636	7.39	1.76	-4.198863636	0
PDK1	4,576	3.87	1.86	-2.080645161	2.01E-09

PDZD2	11,751	1.57	0.03	-52.33333333	0
PEAR1	5,435	38.63	15.58	-2.479460847	0
PEG10	13,232	11.87	0.00	-11.87	0
PELI1	9,362	46.00	0.94	-48.93617021	0
PELI2	5,696	2.59	0.00	-2.59	0
PER1	8,699	160.74	8.59	-18.71245634	0
PERQ1	13,386	27.38	9.24	-2.963203463	0
PFKFB2	9,143	6.61	0.69	-9.579710145	0
PFKFB3	4,482	13.38	2.42	-5.52892562	0
PGAM2	2,282	6.24	1.77	-3.525423729	1.00E-15
PGAP1	11,113	1.08	0.46	-2.347826087	2.18E-08
PHC3	3,964	14.15	5.33	-2.65478424	0
PHF10	4,376	29.66	13.36	-2.22005988	0
PHF16	5,141	6.29	2.82	-2.230496454	0
PHF3	6,947	27.59	7.27	-3.795048143	0
PHIP	6,655	9.19	3.50	-2.625714286	0
PHLPPL	7,919	1.84	0.60	-3.066666667	3.60E-14
PI4K2B	3,674	4.84	2.34	-2.068376068	3.12E-09
PICK1	8,247	43.40	11.46	-3.787085515	0
PIGA	6,093	1.34	0.32	-4.1875	2.25E-11
PIGL	1,123	5.72	0.75	-7.626666667	5.72E-13
PIK3C2A	5,061	3.81	1.01	-3.772277228	0
PIK3CA	4,411	29.41	3.79	-7.759894459	0
PIK3R1	7,157	26.64	5.87	-4.538330494	0
PIP5K3	10,547	7.39	3.08	-2.399350649	0
PITPNM2	6,736	13.30	0.85	-15.64705882	0
PITX1	2,362	4.48	0.21	-21.33333333	0
PKD1P6	29,386	0.90	0.24	-3.75	0
PKD2	5,056	9.59	3.95	-2.427848101	0
PKN2	4,198	16.00	2.69	-5.94795539	0
PLAGL2	5,641	23.30	7.02	-3.319088319	0
PLCB2	4.52	12.61	5.03	-2.50695825	0
PLCG1	6.8	32.14	4.37	-7.354691076	0
PLDN	3,941	10.17	4.93	-2.062880325	0
PLEC1	16,296	8.52	3.61	-2.360110803	0
PLEKHA8	4,177	1.42	0.15	-9.466666667	1.11E-13
PLEKHC1	3,226	2.60	0.63	-4.126984127	2.09E-11

PLEKHF2	2,882	23.76	8.39	-2.831942789	0
PLEKHG1	8,471	5.56	0.81	-6.864197531	0
PLK2	2,786	3.88	1.48	-2.621621622	4.33E-09
PLK3	2,358	16.28	7.39	-2.202976996	0
PMAIP1	3,101	44.80	6.24	-7.179487179	0
PNMT	1,157	7.79	1.39	-5.604316547	2.00E-15
PNN	2,598	159.45	54.18	-2.942967885	0
POLK	4,075	4.95	1.63	-3.036809816	0
POLR3F	2,154	8.31	3.13	-2.654952077	4.80E-14
POLS	4,509	14.00	3.08	-4.545454545	0
PON2	5,319	37.61	14.70	-2.558503401	0
POU2F1	2,949	4.53	2.10	-2.157142857	5.98E-08
POU3F3	1,946	5.74	0.28	-20.5	0
PPARD	5,999	27.28	7.35	-3.711564626	0
PPM1A	4,098	31.15	7.16	-4.350558659	0
PPM1B	7,298	12.86	5.63	-2.284191829	0
PPP1CB	9,652	26.37	6.95	-3.794244604	0
PPP1R16B	6,251	127.56	16.67	-7.652069586	0
PPP1R2	3,313	9.50	4.73	-2.00845666	1.70E-14
PPP2R5A	4.03	41.22	12.42	-3.31884058	0
PPP3R1	3,011	32.07	13.54	-2.368537666	0
PPP4R1L	2,325	6.43	0.61	-10.54098361	0
PPP4R2	1,575	8.98	3.63	-2.473829201	1.51E-10
PPTC7	4,084	11.78	4.13	-2.852300242	0
PRDM1	5,319	11.29	0.97	-11.63917526	0
PRDM2	11,971	36.21	4.18	-8.662679426	0
PRF1	2,491	6.95	3.28	-2.118902439	1.66E-09
PRIC285	10.91	2.52	0.77	-3.272727273	0
PRKAA1	5,398	7.75	3.37	-2.299703264	0
PRKAB2	5,423	5.43	1.23	-4.414634146	0
PRKD3	5,903	13.47	6.24	-2.158653846	0
PRKRIP1	4,346	14.25	6.26	-2.276357827	0
PRKX	7,549	47.76	3.34	-14.2994012	0
PRO2266	0.914	24.35	4.24	-5.742924528	0
PRPF40A	8.28	13.70	6.31	-2.171156894	0
PRPF4B	7.94	14.62	6.79	-2.153166421	0
PRR8	8.72	8.17	2.24	-3.647321429	0

PRRT2	2,372	2.25	0.14	-16.07142857	7.00E-15
PSCD1	7,488	132.95	46.79	-2.841419107	0
PSCD3	10,086	13.92	4.59	-3.032679739	0
PSCDBP	2,643	44.62	2.59	-17.22779923	0
PSMB7	0.984	69.88	32.65	-2.140275651	0
PSMD12	3,592	9.73	4.65	-2.092473118	0
PSME4	7,132	16.20	4.84	-3.347107438	0
PSTPIP1	2,156	10.92	4.58	-2.384279476	2.00E-15
PTAR1	1,834	9.49	1.25	-7.592	0
PTBP2	3,427	15.99	1.73	-9.242774566	0
PTGER4	3,416	1.74	0.25	-6.96	6.68E-12
PTPN12	6,859	24.70	8.49	-2.909305065	0
PTPRE	7,946	37.64	10.44	-3.605363985	0
PTPRO	8,003	1.08	0.22	-4.909090909	6.90E-14
PTS	1,315	16.85	4.48	-3.761160714	0
PUS7	7,908	3.08	1.32	-2.333333333	2.00E-15
PXN	3,611	17.34	8.63	-2.009269988	0
QSCN6L1	6,775	27.53	3.80	-7.244736842	0
RAB11FIP2	6,059	3.51	1.03	-3.40776699	0
RAB11FIP4	8,625	2.60	0.44	-5.909090909	0
RAB11FIP5	4.34	30.02	11.74	-2.557069847	0
RAB12	10,021	14.22	0.33	-43.09090909	0
RAB17	2,616	12.48	0.85	-14.68235294	0
RAB18	3,105	15.01	4.96	-3.026209677	0
RAB30	1,602	8.27	0.74	-11.17567568	0
RAB3GAP2	5,121	5.76	2.52	-2.285714286	0
RABGGTB	2,858	25.03	8.22	-3.045012165	0
RANBP2	11,308	10.90	4.81	-2.266112266	0
RANBP20P	2,337	6.39	1.73	-3.693641618	0
RANBP6	4.6	10.26	3.84	-2.671875	0
RANBP9	3,424	31.38	15.04	-2.08643617	0
RAP2C	3,933	5.51	2.35	-2.344680851	5.00E-14
RAPGEF1	8,206	40.08	12.64	-3.170886076	0
RAPGEF2	9,329	15.47	1.86	-8.317204301	0
RAPGEF5	9,932	14.01	3.04	-4.608552632	0
RASA2	2,804	8.33	1.85	-4.502702703	0
RASA3	5.86	21.90	10.37	-2.111861138	0

RASAL2	7,201	12.03	3.60	-3.341666667	0
RASL10A	2,548	6.44	2.31	-2.787878788	4.10E-14
RB1CC1	6,912	15.49	2.54	-6.098425197	0
RBAK	8,458	1.80	0.51	-3.529411765	0
RBM15	3,604	9.83	2.16	-4.550925926	0
RBM16	5,004	32.46	13.47	-2.409799555	0
RBM25	5,397	33.78	16.55	-2.041087613	0
RBM3	2,564	91.91	34.26	-2.682720374	0
RBM33	14,325	14.65	3.15	-4.650793651	0
RBM38	4,714	222.91	49.95	-4.462662663	0
RBM7	1,917	8.31	3.69	-2.25203252	6.94E-10
RBMS2	3,478	12.71	2.82	-4.507092199	0
RBPJ	6,232	38.18	9.42	-4.053078556	0
RC3H1	6,968	5.94	1.15	-5.165217391	0
RC3H2	3,532	11.60	4.67	-2.483940043	0
RCBTB1	5,932	40.41	17.32	-2.333140878	0
RCN2	4,975	102.80	18.87	-5.447800742	0
RCOR3	4,513	13.33	4.73	-2.818181818	0
REL	3,242	11.66	0.94	-12.40425532	0
RERE	8,841	45.34	18.54	-2.445523193	0
REV1	4.84	11.65	4.84	-2.407024793	0
RFXDC2	7,085	8.63	4.08	-2.115196078	0
Rgr	3.91	13.03	3.12	-4.176282051	0
RGS2	1,344	7.36	1.00	-7.36	0
RHOH	1,498	38.24	17.32	-2.207852194	0
RHOQ	2,127	5.30	1.27	-4.173228346	7.00E-15
RICTOR	9,535	11.04	0.71	-15.54929577	0
RIF1	8,621	4.90	1.75	-2.8	0
RIN3	3,849	12.62	4.14	-3.048309179	0
RINT1	5,952	3.96	1.46	-2.712328767	0
RIOK3	5,659	14.69	5.97	-2.460636516	0
RIPK2	2,585	14.12	4.17	-3.386091127	0
RIPK4	3,872	4.65	0.13	-35.76923077	0
RIT1	3,425	14.19	5.86	-2.421501706	0
RKHD2	3,473	15.24	6.24	-2.442307692	0
RLF	6,228	21.73	1.83	-11.87431694	0
RNF103	5,402	22.49	1.28	-17.5703125	0

RNF11	3,139	15.95	5.88	-2.712585034	0
RNF12	6,821	19.74	3.52	-5.607954545	0
RNF126	2,195	31.10	14.93	-2.083054253	0
RNF149	3,393	18.28	3.57	-5.120448179	0
RNF169	8.9	4.83	1.51	-3.198675497	0
RNF19	4,809	26.02	3.88	-6.706185567	0
RNF24	1,909	5.75	2.43	-2.366255144	1.13E-07
RNF38	5,756	11.08	3.38	-3.278106509	0
RNF43	6,006	1.52	0.04	-38	0
RNF7	3.01	26.53	10.13	-2.618953603	0
RNMT	6,203	10.96	3.82	-2.869109948	0
ROCK1	4,513	20.26	6.57	-3.083713851	0
RP11-162I21.1	3,037	17.95	8.46	-2.121749409	0
RP11-298P3.3	3,669	9.03	3.84	-2.3515625	0
RP11-50D16.3	3,549	5.04	1.61	-3.130434783	0
RP11-92J19.4	1,419	12.06	4.34	-2.778801843	1.40E-14
RP3-402G11.5	6,668	51.74	13.39	-3.86407767	0
RP4-747L4.3	4,154	17.86	3.45	-5.176811594	0
RP5-1022P6.2	5,047	22.90	8.13	-2.816728167	0
RPAIN	4,757	34.55	7.07	-4.886845827	0
RPGR	6,571	1.87	0.81	-2.308641975	2.55E-08
RPP14	1,872	7.35	2.88	-2.552083333	1.21E-10
RPS4Y2	0.79	206.39	56.62	-3.645178382	0
RPS6KB1	5,319	16.35	2.37	-6.898734177	0
RREB1	8,352	15.05	6.83	-2.203513909	0
RSC1A1	5,424	22.38	4.84	-4.623966942	0
RSF1	5,134	8.58	2.69	-3.189591078	0
RSRC2	4,097	39.39	16.80	-2.344642857	0
RUFY2	2,701	4.98	1.84	-2.706521739	2.72E-11
RUNDC2A	2,248	2.90	0.45	-6.444444444	5.37E-12
RYBP	2,914	18.10	8.49	-2.131919906	0
S100A10	0.639	32.36	7.38	-4.384823848	0
SAMD8	3,303	13.66	2.80	-4.878571429	0
SAP30	1,391	102.35	18.31	-5.589841617	0
SAR1A	2,986	26.67	11.37	-2.345646438	0
SAT1	2,471	158.28	27.54	-5.747276688	0
SBDS	3.21	16.58	7.50	-2.210666667	0

SBDSP	10.68	1.42	0.53	-2.679245283	2.13E-12
SBF2	7,405	6.11	2.08	-2.9375	0
SC5DL	2,993	31.90	4.26	-7.488262911	0
SCML1	3,392	2.24	0.05	-44.8	0
SDCCAG1	4,121	13.23	5.03	-2.630218688	0
SDHALP1	3,157	7.24	2.83	-2.558303887	0
SDHALP2	46,009	1.47	0.38	-3.868421053	0
SDHAP3	23,621	1.18	0.52	-2.269230769	0
SEC24B	4,743	15.50	5.06	-3.063241107	0
SEC31B	5.11	15.28	4.38	-3.488584475	0
SEC61A2	2,608	17.49	5.41	-3.232902033	0
SECISBP2	4,383	13.88	5.49	-2.528233151	0
SELI	8,093	3.12	1.25	-2.496	0
SEMA6A	15,453	50.66	1.22	-41.52459016	0
SENP2	3,198	14.75	4.77	-3.092243187	0
SENP5	4,093	9.57	2.17	-4.410138249	0
SENP7	4,732	4.73	1.43	-3.307692308	0
SERINC1	3,128	52.47	12.90	-4.06744186	0
SERINC2	1,997	5.80	0.59	-9.830508475	0
SERINC5	4,747	26.30	8.30	-3.168674699	0
SERPINA1	2,154	6.29	2.51	-2.505976096	3.85E-10
SERPINB9	5,264	31.05	6.44	-4.821428571	0
SESN1	3,724	72.98	7.36	-9.91576087	0
SESN3	4,591	14.07	3.59	-3.919220056	0
SESTD1	3,834	20.74	3.33	-6.228228228	0
SETD1B	8,531	12.50	4.61	-2.711496746	0
SETD5	15,941	22.51	8.37	-2.689366786	0
SETD7	8,583	14.40	3.31	-4.350453172	0
SF3B1	5,161	166.89	45.80	-3.643886463	0
SFMBT1	4,677	17.92	3.90	-4.594871795	0
SFMBT2	5,742	5.93	1.08	-5.490740741	0
SFRS12	4.77	32.07	11.75	-2.729361702	0
SFRS14	7,251	37.05	17.07	-2.170474517	0
SFXN1	6,951	102.58	10.68	-9.604868914	0
SFXN5	4.14	8.32	3.20	-2.6	0
SGK	2,371	4.92	1.39	-3.539568345	2.03E-13
SGPP1	3,309	3.86	1.68	-2.297619048	2.07E-08

SGTB	2,649	2.84	0.57	-4.98245614	1.62E-12
SH3D19	5,373	1.29	0.14	-9.214285714	1.00E-15
SH3GLP2	24,523	0.46	0.05	-9.2	0
SH3RF1	5,265	6.09	1.30	-4.684615385	0
SH3TC1	9.93	73.70	36.26	-2.032542747	0
SHFM3P1	2.39	22.94	3.42	-6.707602339	0
SIAH1	4.39	13.72	2.96	-4.635135135	0
SIAH2	2.62	30.93	9.03	-3.425249169	0
SKI	6,888	35.87	5.57	-6.439856373	0
SKIL	3,059	5.11	1.07	-4.775700935	0
SLA	2,667	5.72	0.70	-8.171428571	0
SLA/LP	3,363	4.27	0.82	-5.207317073	0
SLC11A1	2,567	2.54	0.39	-6.512820513	1.33E-12
SLC11A2	4,105	7.52	2.01	-3.741293532	0
SLC12A6	4,882	23.61	4.99	-4.731462926	0
SLC16A3	3,625	46.75	20.10	-2.325870647	0
SLC16A8	2,073	5.78	1.75	-3.302857143	7.91E-13
SLC23A1	2,388	6.21	2.18	-2.848623853	3.30E-13
SLC25A14	1,914	29.05	3.40	-8.544117647	0
SLC25A28	2,516	39.84	18.02	-2.210876804	0
SLC25A32	3,069	9.06	3.58	-2.530726257	0
SLC25A36	4,169	19.79	7.19	-2.752433936	0
SLC2A3	3,914	26.52	9.88	-2.684210526	0
SLC2A5	2,322	468.22	202.52	-2.311969188	0
SLC30A7	5,867	2.35	0.62	-3.790322581	0
SLC31A2	1,693	34.95	3.54	-9.872881356	0
SLC35A3	2,348	3.83	1.33	-2.879699248	1.82E-08
SLC35D1	1,936	7.21	1.12	-6.4375	0
SLC38A2	5,363	43.58	20.93	-2.082178691	0
SLC43A2	3,001	8.97	4.21	-2.13064133	2.90E-14
SLC9A3	3,538	5.34	0.55	-9.709090909	0
SLC9A8	6,255	5.72	2.44	-2.344262295	0
SLU7	2.24	31.80	15.07	-2.110152621	0
SMAD1	3.12	14.62	3.70	-3.951351351	0
SMAD3	7,743	33.38	14.86	-2.246298789	0
SMAD5	7,095	2.76	1.05	-2.628571429	4.00E-15
SMARCA2	9,544	85.90	28.13	-3.053679346	0

SMCHD1	9,796	29.17	4.15	-7.028915663	0
SMCR8	4,839	13.00	2.05	-6.341463415	0
SMEK1	4,779	28.49	10.56	-2.697916667	0
SMURF1	13,471	14.89	2.99	-4.97993311	0
SMURF2	3,866	5.99	2.35	-2.54893617	0
SNED1	6,834	1.16	0.17	-6.823529412	1.00E-15
SNF1LK	4,712	23.37	11.42	-2.046409807	0
SNIP1	2,471	14.93	2.66	-5.612781955	0
SNN	3,274	21.30	5.35	-3.981308411	0
SNORD22	0.785	126.41	43.66	-2.895327531	0
SNORD25	0.249	19.47	2.52	-7.726190476	1.23E-10
SNORD28	0.519	14.49	1.68	-8.625	0
SNORD31	0.614	22.24	3.37	-6.599406528	0
SNORD60	0.339	75.88	33.29	-2.279363172	2.00E-15
SNRK	5,119	25.55	5.69	-4.490333919	0
SNRPA1	2,182	34.28	7.96	-4.306532663	0
SNX30	7,584	14.87	0.82	-18.13414634	0
SNX9	7.18	35.13	6.14	-5.721498371	0
SOCS4	7,013	3.26	0.98	-3.326530612	0
SOCS5	4,662	6.75	2.02	-3.341584158	0
SOD2	2,995	63.39	13.47	-4.706013363	0
SORL1	8,936	12.53	4.55	-2.753846154	0
SP3	6,125	14.99	7.45	-2.012080537	0
SPAG9	6,834	12.22	3.09	-3.954692557	0
SPATA2	4,045	5.92	2.86	-2.06993007	3.09E-12
SPEN	12,935	23.06	8.80	-2.620454545	0
SPRY1	3,819	11.39	3.84	-2.966145833	0
SPTY2D1	5,734	3.87	1.75	-2.211428571	6.99E-13
SSFA2	4,961	6.58	3.03	-2.171617162	0
SSH2	11,183	22.10	10.75	-2.055813953	0
SSPO	12.25	0.76	0.20	-3.8	9.00E-12
ST3GAL1	7,745	32.50	13.39	-2.427184466	0
STAG3	9,536	54.03	24.80	-2.178629032	0
STAM	2,966	36.16	6.85	-5.278832117	0
STARD9	15,083	4.92	0.74	-6.648648649	0
STAT5A	4,298	29.63	10.78	-2.748608534	0
STK17B	2,938	38.35	15.26	-2.51310616	0

STK35	6,015	10.03	2.27	-4.418502203	0
STX12	2,847	19.63	5.06	-3.87944664	0
STX16	5,029	43.04	16.47	-2.613236187	0
SUZ12P	38.28	0.94	0.27	-3.481481481	0
SWAP70	6,114	25.41	6.14	-4.138436482	0
SYAP1	2,023	14.87	6.70	-2.219402985	0
SYF2	1.77	64.67	19.04	-3.396533613	0
SYNJ1	10,147	1.85	0.76	-2.434210526	4.55E-13
SYTL3	2,223	8.54	0.34	-25.11764706	0
TAF11	1,994	32.95	11.86	-2.778246206	0
TAGLN	2,028	5.17	1.72	-3.005813953	2.13E-10
TA-NFKBH	1,834	7.66	1.24	-6.177419355	0
TAPT1	6,089	55.94	11.64	-4.805841924	0
TARBP1	6,357	23.81	6.73	-3.537890045	0
TARDBP	4,217	54.31	26.44	-2.05408472	0
TBC1D15	3,871	30.08	6.56	-4.585365854	0
TBC1D23	2,257	6.97	2.61	-2.670498084	6.98E-13
TBC1D8	3,966	7.46	3.33	-2.24024024	0
TBL1XR1	6,268	14.21	5.57	-2.551166966	0
TBRG1	4,458	13.49	5.35	-2.521495327	0
TCAP	0.963	17.26	4.72	-3.656779661	0
TCF7	6,912	8.39	1.77	-4.740112994	0
TCP11L2	3,736	29.45	2.05	-14.36585366	0
TFIP11	3,458	56.57	26.69	-2.11952042	0
TGFBRAP1	4,748	21.98	4.93	-4.45841785	0
THAP9	4,613	4.47	1.23	-3.634146341	0
THRAP1	7,834	13.73	4.36	-3.149082569	0
THRAP2	11,353	42.72	16.05	-2.661682243	0
THSD1P	30,249	1.79	0.44	-4.068181818	0
TIAM2	6,224	12.00	4.84	-2.479338843	0
TIMP3	5,486	19.40	1.06	-18.30188679	0
TIPARP	3,836	6.40	2.02	-3.168316832	0
TJP2	6,041	20.41	10.01	-2.038961039	0
TLE1	3,892	47.31	22.62	-2.091511936	0
TLK2	3,604	8.32	4.12	-2.019417476	4.50E-14
TLR2	3,403	3.37	1.36	-2.477941176	1.04E-08
TMEM110	4,966	16.93	5.82	-2.908934708	0

TMEM156	2,276	21.17	5.48	-3.863138686	0
TMEM178	1,631	6.55	1.34	-4.888059701	0
TMEM181	5.59	2.85	1.28	-2.2265625	6.94E-10
TMEM2	12,395	94.55	20.22	-4.676063304	0
TMEM29	2,251	9.76	3.18	-3.06918239	0
TMEM41B	1.8	8.35	3.21	-2.601246106	8.65E-12
TMEM46	6,063	54.77	2.59	-21.14671815	0
TMEM55B	2,781	35.33	12.73	-2.775333857	0
TMEM57	3,138	24.27	7.57	-3.206076618	0
TMEM62	2,769	7.29	1.52	-4.796052632	0
TMEM86A	3,582	4.47	1.60	-2.79375	1.65E-13
TMF1	3,282	17.37	3.75	-4.632	0
TncRNA	16,886	198.10	10.14	-19.53648915	0
TNFAIP2	4,175	16.30	5.75	-2.834782609	0
TNFAIP3	4,809	85.67	20.52	-4.174951267	0
TNFRSF13C	0.895	22.99	4.52	-5.086283186	0
TNFRSF21	3,634	34.63	6.12	-5.658496732	0
TNFSF8	2,323	11.15	1.06	-10.51886792	0
TNK2	5,287	34.43	13.36	-2.577095808	0
TNKS2	6,156	11.85	5.72	-2.071678322	0
TOR1AIP2	5,052	23.56	3.85	-6.119480519	0
TP53BP2	5,682	34.93	4.48	-7.796875	0
TP53INP1	5,589	582.03	20.00	-29.1015	0
TP53INP2	4,124	12.11	1.41	-8.588652482	0
TPBG	2,376	18.66	6.81	-2.740088106	0
TPM2	2,621	40.47	17.93	-2.257110987	0
TPO	4,638	3.99	0.29	-13.75862069	0
TPPP	5,019	2.20	0.20	-11	0
TPST1	4,878	13.25	5.28	-2.509469697	0
TRAF6	3,004	10.70	2.95	-3.627118644	0
TRAK2	6,462	23.81	7.62	-3.124671916	0
TRIM13	9,415	5.34	1.43	-3.734265734	0
TRIM23	5,439	1.62	0.28	-5.785714286	3.00E-15
TRIM33	8,339	10.33	3.80	-2.718421053	0
TRIM38	3,276	36.81	17.54	-2.098631699	0
TRIO	10,781	9.97	4.39	-2.271070615	0
TRPC2	12,265	0.79	0.26	-3.038461538	9.15E-10

TSC1	9,384	5.28	2.51	-2.103585657	0
TSC22D3	3,221	1075.56	133.09	-8.081448644	0
TSHZ2	4,129	5.66	0.53	-10.67924528	0
TSPAN14	5,042	219.13	55.69	-3.934817741	0
TSPYL2	2,802	41.88	11.96	-3.501672241	0
TSSK3	2,093	13.71	1.79	-7.659217877	0
TTC32	1,425	11.46	3.99	-2.872180451	1.10E-14
TTLL3	5,426	18.49	5.70	-3.243859649	0
TTLL9	2,623	8.41	1.41	-5.964539007	0
TTN	111.97	0.50	0.19	-2.631578947	0
TTY15	5,242	6.05	1.72	-3.51744186	0
TUBA4B	20,326	0.27	0.03	-9	2.70E-12
TXNIP	2,704	809.13	212.15	-3.813952392	0
UACA	7,262	7.73	1.61	-4.801242236	0
UBE2B	3,124	24.07	8.42	-2.858669834	0
UBE2H	8,746	34.74	9.60	-3.61875	0
UBE2W	7,706	2.38	0.84	-2.833333333	0
UBL3	4,335	22.02	5.73	-3.842931937	0
UBQLN1	5,546	38.78	17.67	-2.194680249	0
UBR2	5,635	8.27	3.72	-2.22311828	0
UBXD2	4,405	33.17	16.50	-2.01030303	0
UBXD7	7,694	13.90	4.59	-3.02832244	0
UGCG	3,405	32.19	13.70	-2.349635036	0
ULK1	6,774	27.00	10.72	-2.518656716	0
UNKL	1,379	5.16	1.47	-3.510204082	2.00E-08
UPP1	4,517	3.99	0.62	-6.435483871	0
USP12	3.11	12.72	2.76	-4.608695652	0
USP15	5.06	21.58	6.31	-3.419968304	0
USP16	3.73	12.83	5.07	-2.530571992	0
USP24	10,994	15.22	4.83	-3.151138716	0
USP3	3,065	20.34	4.30	-4.730232558	0
USP31	4,059	2.95	0.43	-6.860465116	0
USP34	12,068	21.12	9.17	-2.303162486	0
USP36	8,495	38.46	7.50	-5.128	0
USP42	10,187	5.34	1.39	-3.841726619	0
USP50	1,319	4.50	0.58	-7.75862069	1.62E-12
USP6NL	5,775	19.52	4.27	-4.571428571	0

USPL1	3,814	16.50	2.80	-5.892857143	0
UTP15	3,655	5.00	1.20	-4.166666667	0
UTX	5,423	9.71	2.42	-4.012396694	0
UTY	7,197	5.74	2.21	-2.597285068	0
VCPIP1	8,176	4.18	1.78	-2.348314607	0
VIL2	4,043	445.96	65.27	-6.83254175	0
VPS26A	4,408	7.86	3.80	-2.068421053	0
VPS33B	2.49	9.50	4.33	-2.193995381	1.82E-13
VPS37B	4,396	58.14	25.47	-2.282685512	0
VTI1A	1,979	6.99	1.26	-5.547619048	0
WASL	8,844	2.62	0.42	-6.238095238	0
WBP4	2,617	7.45	3.39	-2.197640118	1.91E-11
WDR20	5.47	3.85	1.56	-2.467948718	1.20E-14
WDR26	6,236	25.93	11.96	-2.168060201	0
WDR37	4,611	26.46	5.12	-5.16796875	0
WDR48	3.89	16.76	7.44	-2.252688172	0
WDR55	2,529	12.32	5.70	-2.161403509	0
WHDC1	4,575	20.89	3.26	-6.40797546	0
WNT9A	7,934	42.00	8.55	-4.912280702	0
WRN	5,746	3.18	1.26	-2.523809524	1.40E-13
WTAP	4.63	59.27	17.39	-3.408280621	0
XAB2	3,117	47.39	22.68	-2.089506173	0
XRN1	10,092	8.57	1.50	-5.713333333	0
YES1	4,818	10.84	0.90	-12.04444444	0
YOD1	6,265	7.80	1.02	-7.647058824	0
YPEL2	5,232	26.19	2.14	-12.23831776	0
YPEL5	2,181	143.03	44.14	-3.240371545	0
YTHDC1	8,619	31.20	15.13	-2.062128222	0
YTHDF3	5,093	11.98	4.95	-2.42020202	0
ZBTB10	4,485	8.84	3.55	-2.490140845	0
ZBTB16	6,804	24.40	0.31	-78.70967742	0
ZBTB39	6.17	4.35	1.73	-2.514450867	0
ZBTB43	4,528	17.63	0.58	-30.39655172	0
ZBTB5	4,627	4.81	1.42	-3.387323944	0
ZBTB6	4,305	2.58	0.68	-3.794117647	4.60E-14
ZBTB8	7,333	2.71	0.23	-11.7826087	0
ZC3H12A	2,682	5.13	1.35	-3.8	0

ZC3H12D	3,448	28.87	8.32	-3.469951923	0
ZC3H7A	4,275	33.10	8.54	-3.87587822	0
ZC3HAV1	15,944	16.79	6.76	-2.483727811	0
ZCCHC14	8,031	8.56	2.95	-2.901694915	0
ZDHHC17	5,259	9.55	4.67	-2.04496788	0
ZDHHC20	2,543	12.56	4.73	-2.655391121	0
ZDHHC23	3,778	3.04	0.62	-4.903225806	0
ZEB1	4,148	28.67	8.88	-3.228603604	0
ZEB2	5.78	41.86	6.80	-6.155882353	0
ZFAND2A	1,686	14.91	6.19	-2.408723748	0
ZFAND5	5,819	65.22	22.38	-2.914209115	0
ZFP36L2	3.95	222.62	96.34	-2.310774341	0
ZFP91	5,347	23.17	11.34	-2.043209877	0
ZFY	4,556	3.32	1.42	-2.338028169	3.80E-10
ZFYVE1	4,577	13.38	5.11	-2.618395303	0
ZFYVE20	6,678	3.26	1.57	-2.076433121	2.59E-11
ZHX3	9,991	20.77	1.64	-12.66463415	0
ZIK1	2,676	8.28	3.06	-2.705882353	0
ZMYM2	5,217	20.03	7.22	-2.774238227	0
ZMYM5	1,872	7.08	1.26	-5.619047619	0
ZNF12	5,622	3.98	1.47	-2.707482993	0
ZNF121	1,729	6.12	1.71	-3.578947368	1.28E-12
ZNF134	3,538	16.25	3.52	-4.616477273	0
ZNF136	2,971	5.66	2.30	-2.460869565	5.79E-12
ZNF14	2,963	2.01	0.43	-4.674418605	1.90E-09
ZNF160	5,276	9.50	3.72	-2.553763441	0
ZNF182	3,641	4.40	1.55	-2.838709677	8.50E-14
ZNF192	5,362	12.05	2.04	-5.906862745	0
ZNF195	2,287	9.34	4.49	-2.080178174	4.60E-11
ZNF212	5,551	4.12	1.25	-3.296	0
ZNF236	8,124	2.68	1.22	-2.196721311	1.41E-12
ZNF238	5,942	12.60	2.78	-4.532374101	0
ZNF254	2,734	9.38	1.43	-6.559440559	0
ZNF256	2.21	13.30	2.60	-5.115384615	0
ZNF26	3,059	8.11	3.47	-2.337175793	2.00E-15
ZNF266	3,757	22.86	8.77	-2.606613455	0
ZNF292	10,996	15.84	2.65	-5.977358491	0

ZNF295	7,368	6.96	0.32	-21.75	0
ZNF304	4,315	6.37	1.72	-3.703488372	0
ZNF317	4,051	20.49	7.17	-2.857740586	0
ZNF318	8,006	8.26	3.24	-2.549382716	0
ZNF326	5,914	20.80	5.82	-3.573883162	0
ZNF331	5,042	3.37	1.07	-3.14953271	0
ZNF33A	5,249	7.43	2.25	-3.302222222	0
ZNF350	2,341	14.11	4.17	-3.383693046	0
ZNF364	2,901	28.75	9.22	-3.118221258	0
ZNF367	1,691	4.68	1.15	-4.069565217	6.34E-11
ZNF394	4,768	14.90	3.26	-4.570552147	0
ZNF395	4,802	45.86	21.86	-2.0978957	0
ZNF403	3,207	30.57	13.43	-2.276247208	0
ZNF408	2,441	11.47	4.45	-2.57752809	0
ZNF417	3,597	5.31	1.57	-3.382165605	0
ZNF425	6,701	2.96	0.65	-4.553846154	0
ZNF426	2,318	7.13	2.25	-3.168888889	0
ZNF430	2,649	4.26	1.30	-3.276923077	1.86E-12
ZNF431	3,798	3.64	1.38	-2.637681159	3.72E-11
ZNF441	2,828	2.73	0.12	-22.75	0
ZNF451	5,305	8.00	3.72	-2.150537634	0
ZNF460	3,139	2.93	0.27	-10.85185185	0
ZNF484	3,248	3.56	0.54	-6.592592593	0
ZNF508	5,388	35.13	6.19	-5.675282714	0
ZNF514	3,204	3.34	1.32	-2.53030303	2.15E-08
ZNF516	8,822	6.46	0.96	-6.729166667	0
ZNF529	4,466	4.32	0.85	-5.082352941	0
ZNF543	3,755	2.21	0.62	-3.564516129	5.26E-10
ZNF548	3,381	5.04	2.14	-2.355140187	1.71E-11
ZNF551	3,663	6.75	1.52	-4.440789474	0
ZNF586	2,163	17.11	6.85	-2.497810219	0
ZNF588	11,016	3.74	1.54	-2.428571429	0
ZNF644	5,888	5.68	1.83	-3.103825137	0
ZNF652	7.76	17.26	3.23	-5.343653251	0
ZNF654	2,404	7.73	2.15	-3.595348837	0
ZNF655	23,955	3.50	0.90	-3.888888889	0
ZNF669	1,905	8.10	2.30	-3.52173913	0

ZNF670	2,005	10.32	0.80	-12.9	0
ZNF700	2,865	9.60	2.56	-3.75	0
ZNF704	4,844	4.82	1.84	-2.619565217	0
ZNF706	4,958	45.26	21.98	-2.059144677	0
ZNF709	2,154	3.90	0.66	-5.909090909	5.00E-15
ZNF711	4,126	6.86	3.16	-2.170886076	1.00E-15
ZNF776	5,135	7.42	3.26	-2.27607362	0
ZNF783	6,299	5.08	2.38	-2.134453782	0
ZNF789	3,534	5.07	2.36	-2.148305085	4.25E-10
ZNF791	2,474	5.68	0.95	-5.978947368	0
ZNF8	2.21	6.44	1.75	-3.68	0
ZNF800	8,444	3.72	0.68	-5.470588235	0
ZNF805	8,865	1.62	0.34	-4.764705882	0
ZNF83	2,764	15.22	6.91	-2.20260492	0
ZRANB1	3,747	25.00	6.25	-4	0
ZXDA	2,871	4.10	0.94	-4.361702128	0
ZXDB	5,642	4.42	0.91	-4.857142857	0