

Table S1

GSE3218 UP-DEGs

	logFC	AveExpr	t	P. Value	adj. P. ValB	
PTPN6	2.899634	8.841773	10.47077	3.95E-18	3.36E-17	30.33059
GSTO1	2.069213	10.22676	8.481514	1.28E-13	6.78E-13	19.99726
TNFRSF1B	2.191372	7.875343	7.222055	7.57E-11	2.99E-10	13.66913
LYZ	4.40737	9.575078	6.851431	4.68E-10	1.70E-09	11.86936
GIMAP4	2.575582	7.936951	6.718353	8.94E-10	3.14E-09	11.23207
DSP	3.127381	9.840683	5.875985	4.73E-08	1.38E-07	7.328812
ID3	2.40759	8.385845	5.611722	1.56E-07	4.29E-07	6.158184
CLEC2B	2.28262	7.201044	5.214743	8.94E-07	2.25E-06	4.456451
CXCR4	2.505302	9.401293	5.203745	9.37E-07	2.35E-06	4.41034
EFEMP1	2.791673	8.056005	5.146078	1.20E-06	2.98E-06	4.169539
COL4A1	2.136587	9.869108	5.045385	1.84E-06	4.46E-06	3.752992
CRIP1	2.209437	8.418037	5.023176	2.02E-06	4.88E-06	3.661799
LAPTM5	2.447935	9.885282	4.887061	3.58E-06	8.36E-06	3.108414
MMP9	2.853058	10.05481	4.831425	4.50E-06	1.04E-05	2.885001
BASP1	2.331306	10.07127	4.749771	6.30E-06	1.43E-05	2.560109
NFE2L3	2.04723	7.297341	4.700537	7.70E-06	1.73E-05	2.365961
CORO1A	2.321112	7.994298	4.606747	1.12E-05	2.47E-05	1.999825
CCL19	3.163703	8.5001	4.36491	2.92E-05	6.11E-05	1.078946
HLA-DRB1	2.070638	11.55822	4.355366	3.03E-05	6.32E-05	1.043309
TYROBP	2.343191	8.678314	4.326146	3.40E-05	7.03E-05	0.93454
C1QA	2.573849	9.696292	4.321535	3.46E-05	7.15E-05	0.917425
ISG15	2.448932	9.701545	4.30024	3.75E-05	7.73E-05	0.838542
CD9	2.420087	10.95204	4.29315	3.86E-05	7.94E-05	0.812341
KRT8	2.801219	9.362724	4.255454	4.46E-05	9.10E-05	0.673542
COL3A1	2.865768	10.90275	4.243282	4.67E-05	9.50E-05	0.628913
CDH1	2.05525	7.086546	4.193025	5.66E-05	0.000114	0.445603
C1QB	2.423139	8.815061	4.17265	6.11E-05	0.000122	0.371735
CD74	2.277603	11.57639	4.055186	9.48E-05	0.000185	-0.04902
TGFBI	2.118771	9.716294	4.012553	0.000111	0.000215	-0.19955
ARHGDI1	2.017181	9.605089	3.998844	0.000117	0.000225	-0.2477
LUM	3.036576	9.076593	3.965671	0.000132	0.000252	-0.36372
HLA-DRA	2.676211	10.37743	3.938811	0.000145	0.000277	-0.45713
FZD5	2.072476	7.736783	3.908055	0.000163	0.000308	-0.56351
CD24	2.484677	8.700762	3.846955	0.000203	0.00038	-0.77297
IER3	2.002148	9.72681	3.779697	0.000258	0.000476	-1.00064
ANXA1	2.350583	9.24707	3.647495	0.000409	0.000736	-1.43912
IGJ	2.756591	7.464785	3.645847	0.000412	0.00074	-1.44451
COL5A2	2.204503	8.77171	3.550809	0.00057	0.001006	-1.75208
CCL2	2.099359	8.749958	3.550341	0.000571	0.001007	-1.75358
GBP1	2.085364	7.676152	3.533883	0.000604	0.001062	-1.80619
LY96	2.071412	7.296311	3.519403	0.000634	0.001112	-1.85231
VCAN	2.105023	8.667108	3.398051	0.000951	0.001624	-2.23291
RAB25	2.048519	7.313901	3.301617	0.001304	0.002185	-2.52767
MMP12	2.197765	7.59177	3.157813	0.002061	0.003358	-2.95427
ADAMDEC1	2.122861	7.383283	3.137978	0.002193	0.003558	-3.01188
SPP1	2.304872	9.292198	2.972414	0.003644	0.005747	-3.48085

LIN28A	2.565314	8.567552	2.913406	0.004346	0.006784	-3.64278
POU5F1P3	2.305926	8.077748	2.774057	0.006524	0.009933	-4.01413
KRT19	2.407296	8.019048	2.468472	0.015137	0.021824	-4.77262

TCGA UP-DEGs

Venn gene

A4GALT	ENSG00000	45.15	8.44	2.289	8.68E-25	PTPN6
ABHD12B	ENSG00000	18.191	0.86	3.367	4.95E-31	GSTO1
AC004057.	ENSG00000	971.115	224.846	2.106	5.55E-24	TNFRSF1B
AC005255.	ENSG00000	7.65	0.81	2.257	5.00E-39	LYZ
AC005339.	ENSG00000	6.49	0	2.905	2.48E-43	GIMAP4
AC005682.	ENSG00000	14.68	1.02	2.957	8.74E-52	DSP
AC005943.	ENSG00000	7.27	0	3.048	7.34E-18	CXCR4
AC005943.	ENSG00000	19.271	0	4.341	1.80E-12	EFEMP1
AC008753.	ENSG00000	44.86	0.26	5.186	1.92E-61	COL4A1
AC009065.	ENSG00000	11.37	0	3.629	2.81E-73	CRIP1
AC010677.	ENSG00000	24	1.67	3.227	6.40E-11	LAPTM5
AC011558.	ENSG00000	68.46	9.99	2.66	6.00E-42	MMP9
AC021066.	ENSG00000	9.5	0	3.392	4.24E-08	BASP1
AC092580.	ENSG00000	5.96	0	2.799	5.36E-39	NFE2L3
AC104534.	ENSG00000	17.49	2.44	2.426	1.39E-10	CORO1A
AC133644.	ENSG00000	3.77	0.07	2.156	6.01E-50	CCL19
ACP5	ENSG00000	67.06	3.9	3.796	6.07E-61	HLA-DRB1
ACTB	ENSG00000	3840.556	832.38	2.205	9.87E-64	TYROBP
ACTG2	ENSG00000	32.36	5.7	2.316	3.05E-13	C1QA
ADAMDEC1	ENSG00000	12.14	0.22	3.429	2.56E-39	ISG15
ADD2	ENSG00000	25.5	5.18	2.1	3.56E-20	CD9
ADGRE5	ENSG00000	26.241	4.5	2.308	1.14E-41	KRT8
AEN	ENSG00000	80.979	14.46	2.407	1.97E-39	CDH1
AIF1	ENSG00000	55.491	3.41	3.679	3.68E-53	C1QB
AK4	ENSG00000	88.101	9.58	3.074	2.63E-38	CD74
AK4P1	ENSG00000	14.87	1.18	2.864	3.07E-29	TGFB1
AL162151.	ENSG00000	1067.928	88.781	3.574	6.66E-07	ARHGDIB
ALPL	ENSG00000	262.086	7.74	4.912	5.07E-59	LUM
ALPP	ENSG00000	4.16	0.15	2.166	8.46E-22	HLA-DRA
ALPPL2	ENSG00000	57.579	0.35	5.439	1.37E-42	FZD5
AMICA1	ENSG00000	9.72	1.41	2.153	1.18E-30	CD24
ANP32A	ENSG00000	162.005	24.58	2.672	7.21E-68	CCL2
ANP32E	ENSG00000	45.72	6.73	2.596	1.39E-70	GBP1
ANXA3	ENSG00000	21.66	1.84	2.996	3.45E-56	RAB25
AOAH	ENSG00000	9.6	0.96	2.435	1.03E-41	MMP12
AP003391.	ENSG00000	13.57	0.07	3.767	1.95E-04	ADAMDEC1
APEX1	ENSG00000	226.128	33.7	2.711	4.49E-85	SPP1
APLNR	ENSG00000	6.42	0.76	2.076	6.93E-24	LIN28A
APOC1	ENSG00000	655.157	21.22	4.884	4.45E-64	KRT19
APOC1P1	ENSG00000	10.52	0.4	3.041	7.98E-43	
APOE	ENSG00000	1146.403	155.664	2.873	1.51E-46	
ARHGDIB	ENSG00000	126.517	14.9	3.004	2.18E-50	
ARL4C	ENSG00000	9.99	0.92	2.517	3.00E-60	
ARPC1B	ENSG00000	256.87	34.53	2.86	3.82E-57	
ARRB1	ENSG00000	17.289	3.27	2.099	7.16E-33	
ARSE	ENSG00000	5	0.37	2.131	6.80E-17	
ATP2A3	ENSG00000	22.77	4.55	2.099	7.00E-34	

AURKB	ENSG00000	49.309	1.9	4.117	2.19E-90
B2M	ENSG00000	3093.447	450.879	2.776	3.95E-34
B3GNT7	ENSG00000	8.51	1.23	2.092	9.03E-40
BASP1	ENSG00000	25.76	1.55	3.391	1.75E-72
BATF	ENSG00000	9.3	0.54	2.742	1.68E-50
BATF3	ENSG00000	10.71	1.72	2.106	2.59E-43
BAX	ENSG00000	235.796	38.019	2.601	4.98E-62
BCL2A1	ENSG00000	7.65	0.37	2.658	1.16E-35
BFSP2	ENSG00000	4.72	0.19	2.265	4.86E-34
BICD1	ENSG00000	57.249	5.07	3.262	5.63E-59
BMF	ENSG00000	21	2.22	2.772	1.91E-33
BNIP3P17	ENSG00000	17.93	0.41	3.747	6.23E-45
C12orf57	ENSG00000	468.075	108.623	2.097	1.38E-31
C19orf33	ENSG00000	14.19	2.09	2.297	4.33E-26
C1QA	ENSG00000	226.724	7.66	4.717	7.02E-50
C1QB	ENSG00000	226.347	10.52	4.303	1.95E-41
C1QC	ENSG00000	168.639	7.22	4.367	1.79E-47
C2	ENSG00000	25.91	3.64	2.536	1.13E-34
C6orf132	ENSG00000	8.98	0.89	2.401	4.11E-33
CAPG	ENSG00000	213.426	35.589	2.551	2.77E-48
CAPN13	ENSG00000	6.28	0.7	2.098	1.23E-20
CARD16	ENSG00000	15.68	2.13	2.414	1.66E-41
CASC9	ENSG00000	4.35	0.17	2.193	4.44E-51
CASP1	ENSG00000	13.32	1.89	2.309	1.17E-36
CBR3	ENSG00000	20.381	3.7	2.186	1.92E-29
CCL18	ENSG00000	10.83	1.52	2.231	1.47E-23
CCL19	ENSG00000	60.078	0.42	5.427	2.24E-45
CCL2	ENSG00000	46.52	4.1	3.22	4.37E-26
CCL26	ENSG00000	14.45	1.05	2.914	8.57E-19
CCL3	ENSG00000	20.81	0.72	3.665	4.46E-46
CCL4	ENSG00000	19.569	2.97	2.373	3.77E-24
CCL4L2	ENSG00000	8.94	0.27	2.968	3.98E-39
CCL5	ENSG00000	55.73	0.77	5.002	7.77E-62
CCND2	ENSG00000	75.992	4.92	3.701	8.83E-61
CCR1	ENSG00000	6.07	0.24	2.511	1.87E-49
CCR5	ENSG00000	5.88	0.09	2.658	1.10E-45
CCT6A	ENSG00000	399.983	92.027	2.108	2.12E-60
CD14	ENSG00000	41.14	7.48	2.313	3.03E-19
CD2	ENSG00000	18.4	1.33	3.058	1.40E-36
CD24	ENSG00000	36.319	4.54	2.752	2.25E-13
CD247	ENSG00000	7.23	0.76	2.225	7.66E-36
CD27	ENSG00000	14.78	0.3	3.602	2.46E-53
CD300A	ENSG00000	9.55	1.13	2.308	1.37E-49
CD38	ENSG00000	12.21	0.62	3.028	4.20E-32
CD3D	ENSG00000	23.309	0.72	3.821	1.84E-51
CD3E	ENSG00000	23	0.79	3.745	2.82E-48
CD3EAP	ENSG00000	13.13	2.32	2.09	4.43E-40
CD4	ENSG00000	27.57	3.2	2.766	4.19E-39
CD44	ENSG00000	32.751	6.1	2.249	4.90E-33

CD48	ENSG00000	24.97	2.48	2.9	3.02E-41
CD52	ENSG00000	105.018	1.32	5.514	1.23E-80
CD53	ENSG00000	49.921	2.95	3.688	2.77E-53
CD68	ENSG00000	87.997	0.92	5.535	5.27E-60
CD7	ENSG00000	14.91	0.87	3.089	5.32E-55
CD74	ENSG00000	1649.255	105.141	3.959	1.44E-49
CD79A	ENSG00000	17.47	0.48	3.642	3.50E-42
CD8A	ENSG00000	8.92	0.47	2.755	2.51E-36
CD8B	ENSG00000	5.17	0.21	2.35	1.24E-44
CD9	ENSG00000	483.709	26.85	4.121	7.85E-59
CDA	ENSG00000	11.51	1.66	2.234	5.85E-34
CDCA7	ENSG00000	40.051	6.03	2.546	2.54E-48
CDH1	ENSG00000	21.48	0.58	3.831	9.14E-39
CDH3	ENSG00000	57.42	3.35	3.747	1.33E-81
CDK4	ENSG00000	184.412	33.73	2.416	7.93E-67
CDT1	ENSG00000	48.701	5.95	2.838	2.71E-53
CDX1	ENSG00000	24.07	3.07	2.623	6.03E-16
CEACAM6	ENSG00000	4.44	0.16	2.229	2.28E-24
CEBPA	ENSG00000	11.78	1.25	2.506	1.46E-46
CENPA	ENSG00000	51.211	3.29	3.605	3.55E-70
CGB8	ENSG00000	4.14	0	2.362	3.26E-18
CH507-513	ENSG00000	6.06	0.38	2.355	1.13E-26
CH507-528	ENSG00000	6.06	0.38	2.355	1.13E-26
CH507-9B2	ENSG00000	3.9	0.04	2.236	1.41E-14
CHEK2	ENSG00000	49.121	10.64	2.106	2.62E-35
CHI3L1	ENSG00000	21.95	0.7	3.755	3.87E-21
CHIT1	ENSG00000	5.16	0.22	2.336	3.43E-17
CHST2	ENSG00000	23.55	2.3	2.895	2.11E-43
CKMT1B	ENSG00000	7.12	0.8	2.173	2.46E-30
CKS1BP3	ENSG00000	20.74	0.88	3.532	8.90E-49
CLDN6	ENSG00000	159.885	0.83	6.458	#####
CLDN7	ENSG00000	30.84	3.15	2.94	2.17E-44
CLEC4D	ENSG00000	10.14	0.1	3.34	2.52E-36
CNN2	ENSG00000	78.732	15.401	2.281	3.53E-55
COL4A1	ENSG00000	50.98	10.6	2.164	2.63E-33
CORO1A	ENSG00000	72.238	3.37	4.067	6.14E-63
COX7B	ENSG00000	129.167	22.751	2.454	6.63E-57
CPXM1	ENSG00000	31.48	3.66	2.801	2.39E-51
CRABP1	ENSG00000	23.74	0.78	3.797	6.40E-38
CRB3	ENSG00000	6.87	0.53	2.363	2.63E-21
CRIP1	ENSG00000	332.059	17.93	4.137	3.15E-69
CRYGEP	ENSG00000	11.39	0.12	3.468	1.76E-37
CSF2RA	ENSG00000	6.18	0.73	2.053	1.68E-38
CST7	ENSG00000	12.89	0.58	3.136	1.85E-42
CTB-151G2	ENSG00000	9.74	0.53	2.811	6.35E-27
CTB-151G2	ENSG00000	12.98	1.57	2.443	1.37E-16
CTB-63M22	ENSG00000	103.349	12.59	2.941	1.18E-43
CTC-260E6	ENSG00000	23.489	1.13	3.523	5.29E-30
CTC-260E6	ENSG00000	35.409	0.77	4.362	3.11E-55

CTC-260E6	ENSG00000	13.45	0.87	2.95	7.05E-32
CTD-2196E	ENSG00000	6.55	0.59	2.247	5.78E-05
CTD-2354A	ENSG00000	6.93	0.45	2.451	6.61E-23
CTD-2396E	ENSG00000	6.39	0.67	2.146	1.26E-19
CTD-2510F	ENSG00000	6.36	0.3	2.501	1.64E-53
CTD-2540E	ENSG00000	19	1.2	3.184	1.12E-58
CTHRC1	ENSG00000	13.71	2.3	2.156	1.32E-32
CTSB	ENSG00000	367.881	49.401	2.872	1.66E-52
CTSC	ENSG00000	130.788	14.11	3.125	2.05E-55
CTSS	ENSG00000	62.808	2.23	4.304	5.06E-47
CTSZ	ENSG00000	145.199	32.549	2.124	2.25E-31
CXCL10	ENSG00000	31.811	0.23	4.737	1.00E-62
CXCL11	ENSG00000	6.04	0.11	2.665	1.41E-38
CXCL13	ENSG00000	8.07	0.79	2.341	2.01E-18
CXCL9	ENSG00000	50.86	1.96	4.131	8.06E-37
CXCR2P1	ENSG00000	4.49	0.07	2.359	1.54E-35
CXCR3	ENSG00000	6.44	0.24	2.585	5.69E-39
CXCR4	ENSG00000	48.62	4.07	3.291	1.74E-56
CXCR6	ENSG00000	5.42	0.18	2.444	1.68E-34
CYBA	ENSG00000	153.393	9.89	3.826	3.92E-77
CYBB	ENSG00000	11.89	0.6	3.01	5.66E-43
CYP2S1	ENSG00000	73.059	1	5.211	2.16E-74
DACT2	ENSG00000	8.33	1.03	2.2	6.44E-25
DEFB1	ENSG00000	5.19	0.38	2.165	9.51E-22
DENND1C	ENSG00000	11.29	1.91	2.078	5.31E-69
DERA	ENSG00000	58.871	8.65	2.633	4.79E-68
DLG3	ENSG00000	45.87	2.56	3.719	4.02E-82
DMD	ENSG00000	32.17	6.01	2.242	3.59E-40
DNMT3L	ENSG00000	16.72	0.27	3.802	3.60E-22
DPPA3	ENSG00000	168.709	0.57	6.756	5.45E-50
DPPA3P2	ENSG00000	11.7	0.18	3.428	1.26E-28
DPPA4	ENSG00000	104.112	4.68	4.21	1.14E-33
DPPA5	ENSG00000	377.438	1.5	7.242	5.87E-36
DSC2	ENSG00000	5.7	0.45	2.208	5.54E-53
DSCC1	ENSG00000	14.23	2.4	2.163	5.66E-53
DSG2	ENSG00000	15.38	1.59	2.661	1.42E-52
DSP	ENSG00000	35.631	1.81	3.704	4.56E-77
DSTNP2	ENSG00000	43.251	5.19	2.838	1.16E-51
EEF1A1	ENSG00000	9013.051	1767.996	2.349	2.86E-75
EEF1A1P12	ENSG00000	4.15	0.17	2.138	3.46E-63
EEF1A1P5	ENSG00000	200.546	24.17	3.001	6.99E-38
EEF1A1P6	ENSG00000	21.96	3.16	2.464	2.68E-51
EFEMP1	ENSG00000	46.339	3.14	3.515	9.92E-31
EFNA4	ENSG00000	20.29	3.17	2.352	3.00E-76
EIF3K	ENSG00000	552.909	97.673	2.489	7.76E-70
EIF4EBP1	ENSG00000	83.227	14.21	2.469	9.81E-77
ELF3	ENSG00000	24.319	0.97	3.684	5.47E-39
ELOVL6	ENSG00000	23.07	0.83	3.717	1.24E-65
EMG1	ENSG00000	102.7	13.72	2.817	1.10E-81

ENO2	ENSG00000	94.549	14.17	2.655	1.30E-43
TMEM176A	ENSG00000	31.2	5.81	2.241	1.19E-17
RECQL	ENSG00000	26.629	5.57	2.072	7.79E-36
NDUFAB1	ENSG00000	354.366	83.141	2.078	2.14E-32
ITGAL	ENSG00000	12.63	1.51	2.441	9.57E-35
PLEKHG6	ENSG00000	11.83	1.32	2.467	1.26E-18
MGST1	ENSG00000	71.461	13.18	2.353	1.43E-13
IL32	ENSG00000	182.265	16.21	3.413	1.00E-41
NME2	ENSG00000	34.441	4.06	2.808	6.82E-33
TSPAN9	ENSG00000	54.059	6.68	2.842	9.41E-54
TYROBP	ENSG00000	137.615	9.4	3.736	2.77E-54
GPRC5A	ENSG00000	40.14	1.2	4.225	1.65E-35
NLRP2	ENSG00000	147.155	23.18	2.615	6.59E-23
TYMP	ENSG00000	52.691	5.89	2.962	3.72E-35
SLAMF7	ENSG00000	19.311	0.09	4.22	1.49E-49
SH2D2A	ENSG00000	7.32	0.64	2.343	2.56E-64
TNFRSF1B	ENSG00000	18.1	2.79	2.333	1.12E-38
NSMAF	ENSG00000	61.239	11.31	2.338	1.37E-36
LCP2	ENSG00000	15.67	3.02	2.052	4.08E-27
NFE2L3	ENSG00000	85.247	3.59	4.232	6.10E-72
PRSS8	ENSG00000	16.52	0.84	3.251	2.92E-35
NNAT	ENSG00000	27.959	6.13	2.022	2.40E-15
TRAF3IP2	ENSG00000	19.73	4.04	2.04	8.94E-45
GYG2	ENSG00000	10.38	1.28	2.319	8.97E-55
PRDM1	ENSG00000	15.95	1.09	3.02	4.71E-42
SLC2A3	ENSG00000	74.63	13.81	2.352	3.66E-22
MRPS35	ENSG00000	80.392	17.259	2.156	1.76E-41
RPL18	ENSG00000	2780.058	628.905	2.142	3.66E-65
ERBB3	ENSG00000	21.17	2.84	2.529	2.44E-44
NGEF	ENSG00000	30.759	5.22	2.352	6.61E-18
SPI1	ENSG00000	27.029	4.16	2.442	7.96E-36
PRR11	ENSG00000	13.43	1.23	2.694	2.29E-62
OSBPL3	ENSG00000	18.4	3.17	2.218	2.91E-26
RPL31	ENSG00000	4174.535	1016.855	2.036	2.73E-67
HSD17B10	ENSG00000	149.872	29.709	2.297	1.59E-63
ST6GAL1	ENSG00000	45.379	2.04	3.931	9.22E-68
TPD52	ENSG00000	47.221	7.12	2.57	2.25E-52
RARB	ENSG00000	6.58	0.49	2.347	1.50E-38
NFKB2	ENSG00000	69.748	16.22	2.039	2.07E-31
FBLN1	ENSG00000	155.158	26.17	2.523	2.71E-38
PTPRC	ENSG00000	15.43	1.64	2.638	4.36E-30
PLOD1	ENSG00000	112.407	15.37	2.792	6.85E-72
GSTP1	ENSG00000	634.729	62.439	3.325	2.51E-69
FCN1	ENSG00000	8.34	0.24	2.913	2.69E-46
SNX10	ENSG00000	22.99	2.02	2.99	1.90E-43
FTL	ENSG00000	3055.514	441.386	2.789	2.71E-49
TFAP2C	ENSG00000	63.99	0.62	5.326	1.52E-58
RPL6	ENSG00000	2031.316	299.31	2.759	7.15E-96
RBBP9	ENSG00000	16.16	3	2.101	4.93E-44

OAS1	ENSG00000	23.41	4.01	2.285	2.40E-29
RPLP0	ENSG00000	3900.652	583.504	2.739	2.23E-90
FXYD5	ENSG00000	115.551	11.36	3.237	5.34E-63
LYZ	ENSG00000	176.264	2.43	5.692	4.30E-53
TFAP4	ENSG00000	17.04	2.67	2.297	6.40E-62
MSH2	ENSG00000	75.719	17.21	2.075	1.08E-36
TREM2	ENSG00000	7	0.27	2.655	3.35E-38
SUSD2	ENSG00000	77.918	5.69	3.56	5.61E-25
PRODH	ENSG00000	90.183	4.85	3.962	9.01E-48
LGALS2	ENSG00000	17.98	0.16	4.032	1.22E-53
XBP1	ENSG00000	149.862	21.529	2.743	7.83E-73
MCM5	ENSG00000	118.742	28.111	2.04	1.72E-45
IL2RB	ENSG00000	7.67	0.76	2.3	8.87E-36
GZMH	ENSG00000	6.49	0.25	2.583	8.10E-40
GZMB	ENSG00000	20.569	0.27	4.086	1.03E-46
PYGL	ENSG00000	44.569	7.29	2.459	5.15E-38
SPTLC2	ENSG00000	24.68	4.63	2.189	1.67E-54
MTHFD1	ENSG00000	67.451	10.41	2.585	4.37E-70
TCL1A	ENSG00000	77.799	10.62	2.762	8.18E-06
MMP9	ENSG00000	92.25	1.11	5.466	1.27E-67
MYBL2	ENSG00000	359.387	20.629	4.058	3.75E-52
SALL4	ENSG00000	43.901	6.65	2.553	4.49E-38
TRIB3	ENSG00000	12	1.88	2.174	6.87E-57
HCK	ENSG00000	12.75	1.78	2.306	2.47E-36
RENBP	ENSG00000	15	2.07	2.382	5.02E-34
PIM2	ENSG00000	235.583	11.17	4.281	2.59E-45
PQBP1	ENSG00000	154.964	30.391	2.313	2.44E-67
PGK1	ENSG00000	363.295	62.292	2.525	1.06E-38
FGD1	ENSG00000	22.68	3.27	2.471	1.27E-54
PIN4	ENSG00000	43.901	7.8	2.351	5.63E-72
RBM3	ENSG00000	386.787	88.07	2.122	2.14E-42
QPRT	ENSG00000	57.759	3.32	3.766	1.32E-76
PYCARD	ENSG00000	36.031	2.96	3.225	1.76E-63
LAPTM4B	ENSG00000	254.866	47.33	2.404	1.20E-36
ESRP1	ENSG00000	67.681	1.4	4.839	1.66E-95
MAN2B1	ENSG00000	103.028	17.21	2.514	6.38E-70
MAP4K1	ENSG00000	39.17	3.61	3.123	7.14E-45
TNNT1	ENSG00000	85.318	15.79	2.362	2.34E-33
RPS16	ENSG00000	2964.554	626.121	2.241	3.18E-73
SHD	ENSG00000	14.95	0.68	3.247	7.79E-38
LIM2	ENSG00000	15.88	0.19	3.826	2.77E-35
RPS19	ENSG00000	5665.548	847.458	2.74	2.28E-93
NKG7	ENSG00000	36.829	0.91	4.308	1.20E-53
RPL18A	ENSG00000	2592.448	471.985	2.455	2.80E-68
ETHE1	ENSG00000	39.94	6.5	2.449	3.44E-55
TSPAN13	ENSG00000	36.171	5.97	2.415	7.89E-56
TMEM176B	ENSG00000	56.712	12.04	2.146	8.83E-18
PDLIM1	ENSG00000	99.532	19.99	2.26	6.80E-55
RPL28	ENSG00000	3450.524	783.722	2.137	1.13E-79

ZMIZ1	ENSG00000	37.909	6.45	2.385	6.90E-38
RPL19	ENSG00000	3488.762	823.713	2.081	9.31E-92
PFN1	ENSG00000	987.611	138.668	2.823	8.33E-86
UNC93B1	ENSG00000	17.91	2.65	2.373	4.59E-53
MS4A6A	ENSG00000	35.05	5.15	2.551	1.12E-24
FOLR1	ENSG00000	6.09	0.37	2.372	1.09E-26
IL10RA	ENSG00000	9.93	1.28	2.261	1.28E-33
SLC15A3	ENSG00000	46.898	10.42	2.068	3.93E-33
MDK	ENSG00000	425.612	25.141	4.029	5.27E-58
KRT18	ENSG00000	91.829	10	3.077	2.90E-12
PPM1H	ENSG00000	15.47	1.39	2.785	3.54E-52
WNT5B	ENSG00000	17.8	2.65	2.365	2.03E-24
MAGOHB	ENSG00000	82.002	11.73	2.705	3.39E-79
OAS2	ENSG00000	13	1.58	2.44	1.41E-39
FZD10	ENSG00000	3.9	0.22	2.006	4.03E-40
GAPDH	ENSG00000	6497.188	988.981	2.715	7.32E-70
PTPN6	ENSG00000	59.672	9.35	2.551	2.56E-70
NANOG	ENSG00000	223.572	0.35	7.378	7.67E-54
GOLT1B	ENSG00000	40.901	9.35	2.017	5.72E-39
LDHB	ENSG00000	1302.167	144.246	3.165	5.24E-61
MDFI	ENSG00000	78.912	6.57	3.4	2.73E-59
GZMK	ENSG00000	9.36	0.3	2.994	7.84E-38
IRX4	ENSG00000	6.89	0.85	2.093	7.71E-20
RRP9	ENSG00000	63.131	14.45	2.053	5.08E-50
TFCP2L1	ENSG00000	18.56	1.38	3.039	7.00E-33
FN1	ENSG00000	185.708	38.419	2.244	7.25E-19
GNLY	ENSG00000	20.21	0.73	3.616	3.11E-44
HSPE1	ENSG00000	414.491	66.04	2.632	3.02E-67
PLEK	ENSG00000	15.67	1.37	2.814	5.34E-37
RPL22	ENSG00000	1011.232	169.882	2.566	1.34E-79
SRM	ENSG00000	250.713	52.261	2.241	4.37E-60
OLFML3	ENSG00000	26.33	5.32	2.112	9.82E-20
MYCL	ENSG00000	18.74	1.57	2.941	1.14E-50
PLA2G2D	ENSG00000	10.08	0.06	3.386	5.91E-26
GBP1	ENSG00000	22.68	4.8	2.03	2.86E-23
SLC2A1	ENSG00000	66.132	9.93	2.619	9.66E-31
PRDX1	ENSG00000	904.263	163.233	2.463	2.82E-57
MAN1C1	ENSG00000	56.102	6.04	3.02	4.02E-37
SPP1	ENSG00000	37.569	5.55	2.558	1.80E-11
SET	ENSG00000	391.725	79.621	2.284	1.02E-49
FKBP1B	ENSG00000	17.33	3.24	2.112	1.16E-57
EPCAM	ENSG00000	137.911	21.17	2.647	8.87E-40
TGFBI	ENSG00000	39.719	8.01	2.176	2.82E-27
PLBD1	ENSG00000	139.729	12.34	3.399	6.64E-51
KCNJ8	ENSG00000	8.3	1.1	2.147	6.50E-31
TNFSF10	ENSG00000	16.09	2.36	2.347	5.34E-30
SASH3	ENSG00000	10.92	0.54	2.952	1.52E-47
GLIPR2	ENSG00000	45.61	3.95	3.235	2.61E-50
PLAU	ENSG00000	22.52	0.98	3.57	7.91E-62

SLC25A16	ENSG00000	33.13	3.61	2.888	9.45E-38
FAM124B	ENSG00000	5.11	0.18	2.372	1.57E-30
RPS10	ENSG00000	3233.094	744.949	2.116	1.46E-71
SOX4	ENSG00000	51.41	7.78	2.578	3.11E-71
MT1G	ENSG00000	227.149	3.43	5.687	7.55E-37
RPL23	ENSG00000	2208.727	422.204	2.384	4.76E-70
RTN2	ENSG00000	19.83	3.29	2.28	8.30E-62
MMP24	ENSG00000	13.47	0.45	3.319	7.23E-45
HCST	ENSG00000	45.141	3.89	3.238	1.07E-48
IFI6	ENSG00000	298.999	70.629	2.066	4.78E-15
PTPN12	ENSG00000	116.872	23.76	2.251	1.70E-43
SRD5A3	ENSG00000	24.2	4.5	2.196	3.19E-42
YWHAH	ENSG00000	92.097	21.75	2.033	7.70E-49
RAC2	ENSG00000	43.971	2.31	3.764	2.17E-56
PODXL	ENSG00000	33.569	4.14	2.75	3.93E-30
SOX15	ENSG00000	85.989	3.45	4.289	2.21E-44
FAM64A	ENSG00000	11.87	0.6	3.008	3.08E-53
FGF13	ENSG00000	15.71	2.7	2.175	3.94E-38
HDHD1	ENSG00000	25.351	4.25	2.327	1.61E-65
STARD8	ENSG00000	7.11	1.02	2.005	1.39E-35
GDPD2	ENSG00000	6.9	0.07	2.884	7.04E-53
ZSCAN10	ENSG00000	10.89	0.31	3.182	8.78E-32
RPL36	ENSG00000	2127.14	401.316	2.403	8.63E-80
LSP1	ENSG00000	54.879	11.99	2.105	9.86E-26
NPAS1	ENSG00000	7.79	1.1	2.065	2.15E-31
LILRB2	ENSG00000	9.29	0.64	2.649	2.40E-46
PYY	ENSG00000	17.96	1.45	2.952	2.14E-27
IDO1	ENSG00000	9.75	0.43	2.91	1.33E-41
RPL27	ENSG00000	3182.4	548.367	2.535	9.66E-80
LIN28A	ENSG00000	75.081	6.53	3.337	2.80E-27
JCHAIN	ENSG00000	74.962	0.71	5.473	7.30E-55
RAB25	ENSG00000	10.7	0.97	2.57	8.72E-36
TPT1	ENSG00000	4412.864	931.169	2.243	1.73E-64
RARRES3	ENSG00000	36.671	5.28	2.585	3.64E-24
GIMAP4	ENSG00000	21.69	2.57	2.668	1.72E-37
VRTN	ENSG00000	17.62	2.18	2.55	3.26E-36
LOXL2	ENSG00000	46.211	3.3	3.457	1.46E-64
FKBP11	ENSG00000	71.5	16.54	2.047	4.92E-57
MYCN	ENSG00000	51.94	3.28	3.629	2.34E-58
RPS15A	ENSG00000	2789.517	632.27	2.14	3.06E-75
LRP4	ENSG00000	34.35	3.16	3.087	5.42E-60
HNRNPA1	ENSG00000	1883.629	335.762	2.484	2.94E-80
ITM2C	ENSG00000	334.021	27.521	3.554	8.21E-65
GPNMB	ENSG00000	73.602	14.26	2.289	5.73E-30
MYO1G	ENSG00000	7.14	0.88	2.114	2.94E-42
GYPC	ENSG00000	50.011	6.96	2.68	5.02E-44
TXN	ENSG00000	303.341	32.17	3.198	1.85E-67
SIT1	ENSG00000	5.46	0.11	2.541	6.19E-52
PIM1	ENSG00000	91.938	13.66	2.664	5.29E-57

TUBB2B	ENSG00000	40.059	1.47	4.055	1.42E-60
HMGA1	ENSG00000	491.312	107.061	2.188	7.61E-24
TCF19	ENSG00000	14.58	2.63	2.102	2.79E-63
MRPL15	ENSG00000	126.158	14.32	3.053	3.56E-75
SDCBP	ENSG00000	148.621	32.561	2.156	4.08E-44
RPLP1	ENSG00000	4014.764	609.549	2.717	1.69E-86
RPL7P9	ENSG00000	85.65	9.72	3.015	1.92E-61
RPS24	ENSG00000	5482.43	1042.187	2.394	3.21E-84
TET1	ENSG00000	9.99	0.2	3.195	4.35E-70
YARS2	ENSG00000	49.531	11.27	2.042	7.90E-65
FAM60A	ENSG00000	114.61	20.599	2.42	3.49E-34
RPL14P1	ENSG00000	19.929	2.99	2.391	7.81E-61
LUM	ENSG00000	67.859	14.74	2.129	6.51E-12
NPFF	ENSG00000	5.01	0.01	2.573	4.85E-27
ITGB7	ENSG00000	5.9	0.71	2.013	7.97E-33
GALNT6	ENSG00000	18.92	0.76	3.501	5.88E-77
RAB15	ENSG00000	109.348	2.74	4.883	1.89E-75
ZNF710	ENSG00000	15.46	2.49	2.238	6.94E-74
ITGAX	ENSG00000	11.06	0.96	2.621	1.38E-36
IGSF6	ENSG00000	8.54	0.32	2.853	2.62E-40
RPS2	ENSG00000	4142.826	594.362	2.799	8.30E-96
PMAIP1	ENSG00000	17.8	1.76	2.768	1.47E-46
GRB7	ENSG00000	20.5	1.95	2.866	1.02E-37
FBN3	ENSG00000	11.44	1.12	2.553	1.57E-35
RPL13A	ENSG00000	4152.889	820.75	2.338	3.70E-69
SH3BGR3	ENSG00000	130.843	29.881	2.094	1.88E-52
RPL11	ENSG00000	3470.192	610.225	2.506	7.50E-91
RPS8	ENSG00000	2840.442	468.173	2.598	1.63E-77
XCL2	ENSG00000	3.16	0	2.057	1.79E-40
RPS27A	ENSG00000	2258.579	561.794	2.005	7.94E-49
HSPD1	ENSG00000	393.575	73.991	2.396	1.26E-54
RP11-977G	ENSG00000	7.61	0.7	2.34	6.86E-17
PLAC8	ENSG00000	6.21	0.63	2.145	2.65E-33
SFRP2	ENSG00000	47.811	1.14	4.512	1.91E-54
RPL37	ENSG00000	2954.503	548.177	2.428	6.19E-91
SKP2	ENSG00000	14.55	2.88	2.003	9.89E-57
GZMA	ENSG00000	20.12	0.45	3.864	2.29E-48
TNFAIP8	ENSG00000	14.51	2.67	2.079	3.60E-57
PLA2G7	ENSG00000	10.56	0.2	3.268	6.25E-48
MSN	ENSG00000	101.482	19.211	2.342	2.53E-49
IL2RG	ENSG00000	38.109	1.51	3.962	8.68E-53
RPL10	ENSG00000	3693.312	511.431	2.85	1.14E-55
PRDM14	ENSG00000	21.17	0.45	3.934	1.10E-28
RPL7	ENSG00000	2834.345	614.342	2.204	1.35E-53
STOM	ENSG00000	166.571	28.46	2.508	5.68E-38
MKI67	ENSG00000	23.271	3.79	2.341	4.02E-56
INA	ENSG00000	18.8	3.13	2.261	6.24E-22
GSTO1	ENSG00000	101.567	18.5	2.395	2.28E-47
RGS10	ENSG00000	62.921	3.98	3.682	2.94E-76

SLC43A1	ENSG00000	48.431	4.9	3.067	1.04E-18
SERPINH1	ENSG00000	250.557	33.739	2.856	4.81E-55
RPS3	ENSG00000	3259.42	684.828	2.249	1.39E-66
VENTX	ENSG00000	33.639	1.3	3.913	1.31E-39
LPCAT1	ENSG00000	65.78	11.42	2.427	1.07E-70
THY1	ENSG00000	107.373	10.3	3.262	3.92E-56
PITPNC1	ENSG00000	26.15	3.95	2.455	8.21E-45
GBP5	ENSG00000	19.49	2.27	2.648	3.95E-25
MAGED4	ENSG00000	19.191	0.81	3.48	4.35E-40
PDIA4	ENSG00000	150.351	30.659	2.257	8.68E-52
RMND1	ENSG00000	53.341	11.4	2.132	3.59E-45
SLA	ENSG00000	7.42	1.02	2.059	9.86E-27
PCDH1	ENSG00000	14.56	2.03	2.36	7.75E-41
RPL30	ENSG00000	3746.427	843.298	2.15	1.05E-66
NODAL	ENSG00000	12.21	2.26	2.019	3.61E-17
UTP14A	ENSG00000	18.621	2.53	2.475	3.25E-65
MX1	ENSG00000	85.698	8.87	3.135	3.62E-35
LDLRAP1	ENSG00000	43.779	7.9	2.331	2.09E-48
KRTCAP3	ENSG00000	29.14	6.25	2.056	4.94E-48
FAM46B	ENSG00000	103.917	8.02	3.54	2.96E-27
NCF1	ENSG00000	10.86	1.39	2.311	2.64E-27
SLAMF8	ENSG00000	14.05	0.91	2.978	2.66E-37
FCER1G	ENSG00000	89.411	6.54	3.584	6.33E-44
LAD1	ENSG00000	12.93	0.45	3.264	4.60E-65
IGF2BP1	ENSG00000	36.921	4.92	2.679	1.16E-37
GIP	ENSG00000	40.439	0.44	4.847	2.61E-28
PTMS	ENSG00000	568.138	130.598	2.113	1.56E-40
ITGB2	ENSG00000	53.701	2.32	4.042	1.68E-50
VAV2	ENSG00000	27.689	6.13	2.009	6.72E-42
RUSC1	ENSG00000	41.18	8.98	2.079	9.78E-38
LY6E	ENSG00000	413.229	65.199	2.646	4.27E-52
FOXH1	ENSG00000	32.5	1.35	3.833	4.85E-43
RPL8	ENSG00000	5915.973	712.822	3.051	1.35E-90
ZNF385A	ENSG00000	25.871	4.05	2.412	1.51E-47
FAM171A2	ENSG00000	8.49	0.76	2.431	2.83E-43
RPL26	ENSG00000	3394.538	716.736	2.242	3.63E-69
POLR3K	ENSG00000	19.43	3.25	2.265	7.03E-67
PDPN	ENSG00000	146.361	4.14	4.841	2.88E-49
LAPTM5	ENSG00000	73.659	4.39	3.792	9.41E-52
GBP4	ENSG00000	13.94	1.17	2.783	5.67E-45
VANGL2	ENSG00000	16.11	2.62	2.241	1.97E-57
PQLC3	ENSG00000	85.23	8.99	3.11	1.61E-36
TNFAIP8L2	ENSG00000	6.31	0.56	2.228	5.74E-41
S100A11	ENSG00000	530.496	118.102	2.158	3.00E-21
FZD5	ENSG00000	16.52	0.52	3.527	6.33E-51
IFI16	ENSG00000	105.229	21.75	2.223	3.83E-24
SNHG16	ENSG00000	101.04	19.56	2.311	2.85E-70
RPL9	ENSG00000	1639.34	405.623	2.012	9.36E-60
TKT	ENSG00000	232.743	53.02	2.113	6.59E-44

F2RL1	ENSG00000	19.83	0.43	3.865	2.67E-77
SCGB3A2	ENSG00000	31.13	0.13	4.83	7.89E-53
RPS14	ENSG00000	1964.708	452.539	2.116	2.34E-69
SOX17	ENSG00000	26.23	4.03	2.437	7.14E-18
FBP1	ENSG00000	20.47	2.25	2.724	4.49E-22
SLC7A3	ENSG00000	35.661	1.03	4.175	3.11E-49
SPTSSA	ENSG00000	34.009	5.66	2.394	1.54E-55
FOLR2	ENSG00000	14.91	2.85	2.047	1.54E-18
OTX2	ENSG00000	7.83	0.54	2.519	2.46E-29
SALL2	ENSG00000	14.34	1.77	2.469	1.07E-55
GYLTL1B	ENSG00000	45.55	3.91	3.245	2.79E-57
SPINT1	ENSG00000	84.752	2.69	4.539	1.75E-91
RPL27A	ENSG00000	3085.31	524.899	2.553	2.02E-87
SNX20	ENSG00000	4.65	0.26	2.165	2.06E-40
TUBA1C	ENSG00000	831.515	39.659	4.356	1.14E-57
NLRP7	ENSG00000	105.411	4.96	4.158	9.19E-26
TK1	ENSG00000	37.369	4.15	2.897	1.51E-68
RPSA	ENSG00000	3353.146	476.753	2.812	1.82E-73
GBX2	ENSG00000	6.89	0.81	2.124	1.77E-20
SEMA4C	ENSG00000	51.002	6.8	2.737	4.66E-43
PLA2G4F	ENSG00000	9.02	0.16	3.111	2.39E-35
LGALS9	ENSG00000	57.739	8.59	2.615	5.69E-41
SLC25A6	ENSG00000	574.315	82.481	2.785	2.60E-57
RAB3B	ENSG00000	6.92	0.38	2.521	4.00E-58
RNASE6	ENSG00000	14.39	1.61	2.56	2.01E-37
MT1E	ENSG00000	114.578	12.68	3.079	7.74E-24
GPRC5C	ENSG00000	60.48	7.29	2.891	2.78E-55
KRT8	ENSG00000	158.495	12.5	3.562	4.43E-24
MZB1	ENSG00000	31.051	0.56	4.361	1.67E-45
SMAGP	ENSG00000	74.899	10.68	2.7	5.14E-46
ZNF296	ENSG00000	22.42	3	2.55	7.62E-33
KRT19	ENSG00000	25.98	4.46	2.305	1.12E-09
RGS19	ENSG00000	14.7	2.72	2.077	5.75E-78
TMEM51	ENSG00000	23.669	3.26	2.534	6.66E-58
UTF1	ENSG00000	51.349	7.76	2.579	1.46E-11
RRM2	ENSG00000	47.359	5.87	2.815	2.61E-46
RPS21	ENSG00000	3199.653	683.784	2.225	2.99E-64
RPS7	ENSG00000	2555.34	552.296	2.208	2.49E-94
POP7	ENSG00000	78.221	16.731	2.16	6.71E-70
MIR4435-2	ENSG00000	22.65	3.05	2.546	3.46E-52
GLRX	ENSG00000	26.06	3.4	2.621	1.55E-50
UQCRH	ENSG00000	588.173	100.391	2.539	1.03E-59
JUP	ENSG00000	127.964	16.29	2.899	2.33E-56
NRROS	ENSG00000	11.93	1.87	2.172	7.09E-39
PHLDA3	ENSG00000	117.01	17.78	2.652	1.60E-47
RPL4	ENSG00000	3918.538	665.271	2.557	2.40E-93
KIAA1551	ENSG00000	166.444	23.131	2.795	1.31E-58
UBE2C	ENSG00000	146.118	22.33	2.657	7.89E-45
SFN	ENSG00000	7.42	0.7	2.308	1.54E-30

ETV4	ENSG00000	142.586	1.22	6.015	5.80E-98
GPX2	ENSG00000	76.119	3.55	4.083	1.09E-43
PRR15	ENSG00000	7.71	0.71	2.349	9.62E-37
NANOGP1	ENSG00000	48.64	0.71	4.859	2.77E-42
VSIG10	ENSG00000	52.8	10.37	2.242	2.99E-36
RPRM	ENSG00000	22.92	1.51	3.252	3.84E-59
RPLP2	ENSG00000	2293.602	563.588	2.023	7.21E-73
GLDC	ENSG00000	65.33	4.29	3.648	3.19E-36
MSC	ENSG00000	25.47	3.84	2.451	1.22E-23
RRS1	ENSG00000	42.78	6.7	2.507	1.12E-74
TRIML2	ENSG00000	53.578	5.89	2.986	1.45E-20
RCC2	ENSG00000	208.354	28.111	2.846	1.36E-71
ZFP42	ENSG00000	42.961	2.54	3.634	2.86E-34
GIMAP7	ENSG00000	13.92	2.45	2.113	3.95E-28
HLA-DQB1	ENSG00000	71.958	8.57	2.93	4.47E-26
1-Sep	ENSG00000	10.64	1.85	2.03	6.06E-29
HCLS1	ENSG00000	29.441	5.16	2.305	3.97E-29
PRF1	ENSG00000	8.35	0.22	2.938	1.26E-43
RAP2B	ENSG00000	14.77	2.51	2.168	2.24E-65
SNRPE	ENSG00000	324.19	79.269	2.018	2.54E-63
IDH2	ENSG00000	46.879	7.66	2.467	2.57E-55
NOP10	ENSG00000	202.741	48.22	2.049	2.10E-70
SHMT2	ENSG00000	95.49	12.07	2.884	5.07E-65
RPS17	ENSG00000	3548.269	447.485	2.984	3.85E-90
LCK	ENSG00000	12.1	0.75	2.904	7.47E-54
UPP1	ENSG00000	175.959	13.64	3.595	9.92E-39
FAM162B	ENSG00000	28.541	3.11	2.845	6.43E-29
KIRREL	ENSG00000	14.41	2.61	2.094	6.00E-25
ST6GALNAC	ENSG00000	5.13	0.41	2.12	9.07E-44
KCNK12	ENSG00000	5.75	0.61	2.068	3.77E-35
GDF3	ENSG00000	99.023	0.22	6.357	3.07E-45
SOCS3	ENSG00000	16.95	1.98	2.591	7.78E-24
ZNF93	ENSG00000	17.94	3.69	2.014	1.89E-41
MIXL1	ENSG00000	4.87	0.45	2.017	1.42E-38
PDE6G	ENSG00000	17.421	2.45	2.417	1.57E-22
P4HB	ENSG00000	526.539	129.894	2.011	6.61E-61
NLRP9	ENSG00000	6.96	0.2	2.73	9.42E-17
EVI2B	ENSG00000	10.21	1.43	2.206	5.92E-30
IFITM1	ENSG00000	481.635	64.039	2.892	2.70E-29
SAPCD2	ENSG00000	5.98	0.65	2.081	4.58E-41
TOR3A	ENSG00000	42.65	4.85	2.899	6.00E-82
RPS23	ENSG00000	3761.78	838.402	2.164	2.29E-57
HPDL	ENSG00000	5.93	0.44	2.267	1.18E-30
LILRB4	ENSG00000	22.89	0.66	3.847	1.92E-44
TNFRSF4	ENSG00000	7.37	0.6	2.387	4.77E-54
ERCC6L	ENSG00000	11.72	0.75	2.862	1.11E-56
FPR3	ENSG00000	7.75	0.83	2.257	1.59E-31
PTMA	ENSG00000	1425.546	328.351	2.115	3.42E-82
NANOS3	ENSG00000	198.555	8.06	4.461	8.11E-09

ISG15	ENSG00000	158.385	9.67	3.901	8.10E-50
TMSB4XP8	ENSG00000	11.51	0	3.645	3.47E-20
SPRY4	ENSG00000	20.019	2.42	2.62	5.48E-29
TCEA1	ENSG00000	115.896	25.23	2.156	3.51E-40
HIST1H1C	ENSG00000	160.618	30.3	2.368	7.91E-17
SELL	ENSG00000	7.44	0.76	2.262	1.30E-30
ZDHC9	ENSG00000	25.12	4.24	2.317	1.08E-47
RPL14	ENSG00000	1687.532	262.504	2.68	6.16E-88
KLRG2	ENSG00000	44.851	0.21	5.244	2.09E-48
LITAF	ENSG00000	74.227	7.46	3.153	6.60E-52
S100A14	ENSG00000	8.13	0.83	2.319	8.15E-17
HLA-DRB1	ENSG00000	210.08	22.65	3.158	1.33E-39
S100A4	ENSG00000	92.021	21.159	2.07	1.42E-24
TUBB	ENSG00000	1027.127	103.271	3.302	1.30E-88
EPHB4	ENSG00000	109.31	18.09	2.531	3.28E-57
HSH2D	ENSG00000	6.25	0.5	2.273	2.30E-51
HLA-DQA1	ENSG00000	69.391	1.75	4.678	1.29E-49
SERPINA1	ENSG00000	43.299	2.26	3.764	5.27E-38
SPN	ENSG00000	6.12	0.15	2.63	1.37E-47
MPEG1	ENSG00000	13.6	0.62	3.172	2.83E-51
TEAD4	ENSG00000	108.337	5.18	4.145	4.64E-74
RPL12	ENSG00000	2545.793	456.793	2.476	2.73E-70
RPS4X	ENSG00000	1906.353	189.768	3.322	2.15E-66
MT1F	ENSG00000	37.681	3.31	3.166	5.20E-35
HLA-DRB5	ENSG00000	39.62	2.46	3.553	1.19E-15
WDHD1	ENSG00000	44.78	7.02	2.513	1.87E-43
PPIAP22	ENSG00000	231.6	21.52	3.369	7.03E-78
GLMP	ENSG00000	68.998	13.35	2.286	1.81E-50
RPL10A	ENSG00000	1611.288	334.021	2.267	1.46E-48
PNP	ENSG00000	55.718	10.38	2.317	9.20E-46
RPL39	ENSG00000	3704.594	457.395	3.015	8.08E-65
FCGR3A	ENSG00000	24.69	1.64	3.283	6.51E-45
KHDC3L	ENSG00000	239.568	0.39	7.435	5.57E-44
HLA-DOA	ENSG00000	7.97	0.64	2.451	9.96E-48
HNRNPCP2	ENSG00000	16.999	2.69	2.286	2.95E-60
HLA-DMA	ENSG00000	56.712	10.54	2.322	3.40E-33
PSMB8	ENSG00000	43.371	7.88	2.321	2.88E-27
HLA-DRA	ENSG00000	508.885	26.53	4.211	1.02E-52
LST1	ENSG00000	26.82	3.15	2.745	2.93E-44
HLA-C	ENSG00000	409.096	84.641	2.26	1.76E-37
POU5F1	ENSG00000	1381.959	1.15	9.329	8.08E-67
HLA-E	ENSG00000	196.896	45.86	2.078	1.52E-25
GNB2L1	ENSG00000	2101.057	471.494	2.153	1.02E-74
MT1H	ENSG00000	64.811	0.21	5.765	4.61E-36
TMSB4X	ENSG00000	3739.422	475.894	2.971	2.63E-60
RP11-706C	ENSG00000	32.88	7.42	2.009	2.27E-73
HLA-H	ENSG00000	19.73	3.74	2.129	2.57E-18
TRIM71	ENSG00000	25.72	4.53	2.273	2.79E-28
SNORA70	ENSG00000	25.44	4.95	2.152	5.00E-08

SNORD15B	ENSG00000	3.2	0	2.07	1.35E-07
IGKC	ENSG00000	5973.661	9.24	9.189	2.92E-60
IGKV4-1	ENSG00000	176.386	0.14	7.282	6.69E-50
IGLV4-69	ENSG00000	19.66	0	4.369	2.32E-26
IGLV8-61	ENSG00000	5.23	0	2.639	2.26E-18
IGLV6-57	ENSG00000	29.08	1.09	3.847	4.95E-27
IGLV1-51	ENSG00000	64.511	1.81	4.543	1.26E-30
IGLV1-47	ENSG00000	88.15	0.22	6.191	5.78E-38
IGLV7-46	ENSG00000	4.24	0	2.39	1.08E-21
IGLV1-44	ENSG00000	59.379	0.17	5.689	1.06E-35
IGLV7-43	ENSG00000	4.45	0	2.446	1.10E-21
IGLV1-40	ENSG00000	71.699	0.35	5.751	1.21E-38
IGLV3-25	ENSG00000	92.231	0	6.543	2.33E-41
IGLV2-23	ENSG00000	62.691	0.13	5.817	3.81E-43
IGLV3-21	ENSG00000	55.18	1.96	4.246	5.76E-25
IGLV3-19	ENSG00000	72.188	0	6.194	1.67E-39
IGLV2-14	ENSG00000	138.389	0.29	6.756	2.11E-45
IGLV2-11	ENSG00000	29.97	0.21	4.678	2.84E-30
IGLV3-10	ENSG00000	22.73	0	4.569	9.88E-34
IGLV3-1	ENSG00000	110.407	0	6.8	1.99E-44
IGLC1	ENSG00000	674.137	1.54	8.054	2.93E-56
IGLC2	ENSG00000	1718.458	2.17	9.083	1.09E-59
IGLC3	ENSG00000	1056.15	1.24	8.882	2.34E-57
IGLC7	ENSG00000	5.44	0.41	2.191	2.79E-17
TRBV25-1	ENSG00000	31.99	1.15	3.94	2.48E-45
TRBC2	ENSG00000	60.761	11.01	2.362	4.25E-21
TRDC	ENSG00000	6.1	0.08	2.717	1.56E-38
IGHA2	ENSG00000	14.65	0.93	3.019	1.12E-26
IGHG4	ENSG00000	67.841	1.64	4.705	3.04E-35
IGHG2	ENSG00000	371.057	1.95	6.979	1.38E-52
IGHA1	ENSG00000	186.275	3.17	5.489	2.89E-41
IGHG1	ENSG00000	4046.895	6.87	9.007	2.26E-58
IGHG3	ENSG00000	585.124	0.71	8.421	6.58E-59
IGHM	ENSG00000	418.91	1.42	7.439	2.49E-52
IGHV1-2	ENSG00000	31.321	0	5.014	4.95E-34
IGHV2-5	ENSG00000	11.74	0.19	3.42	6.01E-22
IGHV3-7	ENSG00000	6.43	0	2.893	8.75E-17
IGHV3-11	ENSG00000	15.88	0	4.077	2.53E-31
IGHV3-15	ENSG00000	38.711	0	5.311	1.59E-35
IGHV1-18	ENSG00000	35.641	0.2	4.932	5.19E-31
IGHV3-21	ENSG00000	44.019	0	5.492	1.85E-38
IGHV3-23	ENSG00000	88.199	0.2	6.216	2.99E-43
IGHV3-33	ENSG00000	74.392	0.19	5.985	8.13E-39
IGHV4-34	ENSG00000	23.99	0.21	4.368	1.45E-32
IGHV4-39	ENSG00000	36.75	0.19	4.987	9.56E-30
IGHV1-46	ENSG00000	8.56	0.09	3.133	7.52E-22
IGHV3-48	ENSG00000	4.31	0	2.409	1.22E-19
IGHV3-49	ENSG00000	11.33	0.93	2.675	1.56E-14
IGHV5-51	ENSG00000	39.45	0.15	5.136	1.07E-36

IGHV4-61	ENSG00000	11.4	0	3.632	6.60E-21
IGHV1-69	ENSG00000	7.62	0	3.108	9.83E-20
IGHV3-73	ENSG00000	5.17	0	2.625	3.88E-20
SNORA45B	ENSG00000	3.03	0	2.011	7.95E-05
RP11-641E	ENSG00000	607.145	47.722	3.642	2.23E-97
TCL1B	ENSG00000	36.59	3.55	3.046	1.85E-14
RPS7P11	ENSG00000	8.58	0.78	2.428	6.29E-71
PTPRCAP	ENSG00000	20.649	1.32	3.222	2.33E-44
RPL18AP3	ENSG00000	72.378	15.19	2.18	5.66E-47
RPLP0P6	ENSG00000	46	3.29	3.454	1.01E-62
LBH	ENSG00000	57.15	12.51	2.106	6.16E-38
RPS29	ENSG00000	6099.604	1441.544	2.08	8.32E-53
UBD	ENSG00000	42.019	0.45	4.891	7.62E-51
PPM1N	ENSG00000	34.999	2.23	3.478	1.53E-39
ZNF90	ENSG00000	31.899	2.63	3.18	8.91E-46
FOXI3	ENSG00000	10.38	0.35	3.076	2.02E-41
RPL7P1	ENSG00000	29.39	5.06	2.326	1.38E-42
PHB2	ENSG00000	590.952	67.111	3.12	1.04E-81
LINC00189	ENSG00000	6.6	0.28	2.57	9.62E-51
IFI30	ENSG00000	228.095	5.66	5.104	2.56E-77
RPS2P55	ENSG00000	7.84	0.3	2.766	#####
RP11-40C6	ENSG00000	1135.175	0	10.15	#####
RP11-572F	ENSG00000	1106.969	234.996	2.231	1.01E-22
LINC00152	ENSG00000	28.47	2.2	3.203	8.65E-59
HLA-DPB1	ENSG00000	177.195	14.63	3.511	4.73E-52
UBE2SP2	ENSG00000	30.13	2.37	3.208	1.24E-57
IGHV4-59	ENSG00000	36.671	0	5.235	9.18E-39
HLA-DPB2	ENSG00000	3.72	0.05	2.168	9.57E-33
HNRNPA1P4	ENSG00000	31.8	6.97	2.041	6.47E-66
RP11-5106	ENSG00000	76.468	7.8	3.138	6.73E-72
IGHV3-74	ENSG00000	13.12	0.23	3.521	2.38E-23
GCSHP5	ENSG00000	40.419	5.91	2.584	1.02E-53
RPL35P5	ENSG00000	14.09	1.34	2.689	3.05E-75
RP4-706A1	ENSG00000	43.09	9.13	2.122	1.04E-62
LINC00937	ENSG00000	15.2	2.2	2.34	2.28E-33
RPS28P7	ENSG00000	1271.045	116.419	3.437	5.41E-93
LTB	ENSG00000	24.19	0.83	3.783	8.92E-49
HMG1P37	ENSG00000	8.48	0	3.245	8.18E-74
HLA-DRB6	ENSG00000	8.91	0.47	2.753	4.33E-38
XIST	ENSG00000	128.559	7.87	3.869	1.27E-18
TMSB4XP6	ENSG00000	15.08	0	4.007	2.08E-07
TCEA1P2	ENSG00000	9.73	1.43	2.143	4.55E-19
LINC01160	ENSG00000	32.401	3.93	2.76	2.17E-10
HLA-DPA1	ENSG00000	165.455	15.43	3.341	2.01E-42
IGHV4-31	ENSG00000	5.48	0	2.696	3.74E-19
RPS18	ENSG00000	7370.26	1048.854	2.812	4.25E-88
SNRPF1	ENSG00000	4.24	0	2.39	9.56E-55
FTH1P7	ENSG00000	19.74	2.33	2.639	8.51E-59
IGHV3-43	ENSG00000	4.24	0.24	2.079	2.02E-15

RP11-132A	ENSG00000	14.68	0.07	3.873	5.74E-32
RP11-132A	ENSG00000	33.889	0.44	4.599	1.64E-60
HLA-DQB2	ENSG00000	6.13	0.58	2.174	1.37E-22
ERVH48-1	ENSG00000	29.229	0.41	4.422	2.86E-38
GAS5	ENSG00000	547.455	119.27	2.189	6.84E-56
RPL23AP42	ENSG00000	1726.697	274.735	2.647	1.67E-58
FABP5P7	ENSG00000	103.852	20.019	2.319	1.28E-26
RPL39P3	ENSG00000	724.83	67.841	3.398	5.27E-26
RPL6P27	ENSG00000	19.69	3.49	2.204	1.93E-67
GAPDHP14	ENSG00000	3.48	0.11	2.013	1.91E-42
RPL13AP5	ENSG00000	122.947	22.45	2.402	3.21E-57
RP11-390F	ENSG00000	5.19	0.18	2.391	3.98E-32
HLA-DQA2	ENSG00000	7.44	0.45	2.541	4.00E-20
UBE2Q2P6	ENSG00000	1854.737	417.171	2.15	2.96E-20
OR2I1P	ENSG00000	3.02	0	2.007	1.31E-30
RP11-464E	ENSG00000	4.68	0.39	2.031	1.83E-62
TXNDC5	ENSG00000	83.719	17.4	2.203	7.95E-42
NME1	ENSG00000	162.545	34.22	2.215	4.63E-69
IGKV1-6	ENSG00000	7.04	0.14	2.818	1.15E-21
IGKV3-20	ENSG00000	336.065	0.4	7.911	3.48E-54
IGKV1D-33	ENSG00000	5.77	0	2.759	1.23E-26
PSMB9	ENSG00000	47.94	6.09	2.787	1.50E-35
U47924.6	ENSG00000	33.3	4.98	2.52	4.56E-33
IGKV1-17	ENSG00000	28.68	0	4.891	9.31E-29
L1TD1	ENSG00000	119.858	4.7	4.406	2.99E-43
IGKV1-8	ENSG00000	19.08	0.12	4.164	1.14E-31
IGKV1-16	ENSG00000	17.67	0	4.223	1.42E-29
TDGF1	ENSG00000	9.38	0.81	2.52	1.47E-16
IGKV2-24	ENSG00000	7.89	0	3.152	1.56E-24
RPL36A	ENSG00000	3483.205	287.555	3.594	2.42E-91
IGKV3-11	ENSG00000	364.101	0.67	7.772	1.85E-56
IGKV1-9	ENSG00000	28.06	0	4.861	2.21E-36
IGKV1-33	ENSG00000	133.768	0.14	6.885	1.67E-45
MTFP1	ENSG00000	25.359	5.14	2.102	5.49E-49
IGKV2D-28	ENSG00000	31.95	0	5.042	6.61E-32
HLA-DMB	ENSG00000	44.111	3.73	3.254	5.09E-40
RP11-408F	ENSG00000	11.32	1.43	2.342	2.67E-67
IGKV2-30	ENSG00000	9.39	0	3.377	3.45E-28
IGKV2D-29	ENSG00000	7.2	0	3.036	5.47E-25
RN7SL8P	ENSG00000	4.43	0	2.441	2.35E-33
IGKV1-5	ENSG00000	76.298	0.14	6.083	1.55E-45
NME1-NME2	ENSG00000	711.045	101.581	2.795	3.30E-75
LEFTY1	ENSG00000	8.44	1.16	2.128	7.95E-21
IGKV2-28	ENSG00000	178.687	0	7.489	8.85E-46
RP11-466H	ENSG00000	527.05	85.959	2.602	7.16E-51
IGKV3-15	ENSG00000	104.516	0.24	6.411	1.63E-44
RP11-10G1	ENSG00000	5.72	0	2.748	6.03E-92
IGKV1-27	ENSG00000	18.87	0	4.313	2.82E-32
MTND4P12	ENSG00000	37.46	0.53	4.652	6.76E-20

PCED1B-AS	ENSG00000	14.48	1.08	2.896	3.03E-44
RP11-148E	ENSG00000	42.411	0.28	5.084	6.00E-54
RP11-256F	ENSG00000	5.76	0	2.757	6.63E-07
RP11-148E	ENSG00000	5.58	0.08	2.607	3.63E-39
RP11-253E	ENSG00000	11.22	0.69	2.854	7.19E-44
IGKV1D-39	ENSG00000	244.416	0.32	7.539	4.14E-54
TRNP1	ENSG00000	25.01	2.86	2.752	5.05E-66
RP11-798K	ENSG00000	4.24	0	2.39	3.74E-27
LYN	ENSG00000	11.57	1.78	2.177	6.41E-47
IGLL5	ENSG00000	75.358	1.5	4.933	6.12E-41
MEX3A	ENSG00000	11.67	0.84	2.784	6.16E-51
PIGY	ENSG00000	14.52	2.3	2.234	2.24E-11
NANOGP8	ENSG00000	54.56	0.99	4.803	1.07E-23
RP11-277E	ENSG00000	4.54	0	2.47	1.40E-11
RP11-234E	ENSG00000	8.89	0.13	3.13	1.50E-41
TRIL	ENSG00000	5.99	0.65	2.083	1.57E-27
ZNF486	ENSG00000	21.7	1.18	3.38	4.62E-46
RP11-771K	ENSG00000	6.66	0.12	2.774	1.54E-36
RPL41P2	ENSG00000	49.101	8.86	2.345	8.11E-37
SNRPEP2	ENSG00000	13.13	2.24	2.125	9.39E-44
RP11-320N	ENSG00000	7.83	0.12	2.979	4.53E-27
RP11-611C	ENSG00000	9	1.23	2.165	5.41E-27
RP11-1143	ENSG00000	15.33	0.54	3.407	5.39E-20
RP11-386G	ENSG00000	433.262	78.498	2.45	1.48E-33
RP11-161H	ENSG00000	508.462	24.06	4.346	2.21E-86
RP11-316M	ENSG00000	10.79	0.31	3.17	1.68E-27
RP11-345J	ENSG00000	11.5	0	3.644	6.17E-14
MMP12	ENSG00000	7.32	0.06	2.972	6.54E-29
RP11-667K	ENSG00000	11.2	0	3.609	1.06E-37
RP11-294J	ENSG00000	4.76	0.07	2.428	2.03E-17
RP11-473I	ENSG00000	3.21	0	2.074	2.36E-25
RP11-334E	ENSG00000	40.109	3.13	3.315	6.76E-34
SNRPGP2	ENSG00000	19.16	3.17	2.273	1.26E-47
ESRG	ENSG00000	16.5	0.04	4.073	6.77E-36
RP3-461F1	ENSG00000	70.992	5.92	3.379	1.66E-51
RP11-442H	ENSG00000	4.66	0	2.501	2.69E-35
RP5-940J5	ENSG00000	12.66	0	3.772	8.71E-16
IGHV3-30	ENSG00000	139.342	0.18	6.894	8.29E-47
IGHV2-70	ENSG00000	6.42	0	2.891	9.76E-22
RP11-457L	ENSG00000	3.7	0	2.233	1.19E-29
HIST1H2BH	ENSG00000	6.86	0.91	2.041	1.68E-31
RP11-843E	ENSG00000	12.98	0.6	3.127	5.43E-48
TRAC	ENSG00000	48.12	7.61	2.512	3.41E-30
RP11-452N	ENSG00000	59.821	4.79	3.393	7.21E-64
IGLV2-8	ENSG00000	16.151	0.11	3.95	1.49E-32
RPL41	ENSG00000	5210.477	576.668	3.173	1.03E-68
RP11-63A1	ENSG00000	3.14	0	2.05	1.10E-26
RP11-44N2	ENSG00000	15.72	2.19	2.39	4.49E-15
FKSG62	ENSG00000	7.42	0.61	2.387	7.52E-21

IGHV1-69-ENSG00000	28.479	0	4.882	9.00E-29
PCAT14 ENSG00000	98.23	2.26	4.928	1.33E-46
RP3-467D1ENSG00000	16.14	0.49	3.524	6.77E-37

Table S2

GSE3218 DOWN-DEGs						
	logFC	AveExpr	t	P.Value	adj.P.Val	B
SPACA1	-4.44548	4.903485	-63.5721	2.11E-87	2.63E-83	187.557
LINC00588	-3.1073	4.384861	-45.8443	1.28E-72	7.95E-69	154.8825
MSH4	-3.21302	4.770274	-40.8031	1.88E-67	7.80E-64	143.2616
RNFT1	-2.544	4.542406	-39.2985	8.44E-66	2.62E-62	139.5308
RIBC2	-5.04245	5.395351	-38.3125	1.09E-64	2.72E-61	137.0138
KPNA5	-4.81911	4.679376	-37.6775	5.88E-64	1.22E-60	135.3616
ZNF280B	-4.39581	5.549718	-36.159	3.61E-62	6.42E-59	131.3061
DNAI2	-4.06401	5.614811	-35.3681	3.28E-61	5.09E-58	129.1332
NACA2	-3.81643	4.383538	-34.6363	2.61E-60	3.61E-57	127.0843
TTC40	-3.92312	5.509752	-34.4236	4.81E-60	5.98E-57	126.4817
KANSL1L	-4.43527	4.717224	-33.896	2.22E-59	2.51E-56	124.9725
MORC1	-3.08911	4.193156	-33.3484	1.11E-58	1.15E-55	123.3848
GPR137	-2.82508	7.313656	-33.0217	2.92E-58	2.79E-55	122.4268
ADAM18	-3.98548	5.214746	-32.7405	6.76E-58	5.91E-55	121.5957
ADGB	-3.21987	4.410419	-32.7224	7.13E-58	5.91E-55	121.5418
ADCY10	-2.70537	5.055397	-32.1941	3.52E-57	2.73E-54	119.9633
MED7	-3.23389	6.461817	-31.5481	2.55E-56	1.87E-53	118.0027
CCDC70	-4.48016	5.407904	-31.0036	1.39E-55	9.59E-53	116.3239
SPO11	-4.17085	4.591645	-30.188	1.84E-54	1.14E-51	113.7633
RNF32	-4.87349	4.453373	-30.1465	2.10E-54	1.24E-51	113.6314
C11orf63	-5.19056	5.406154	-30.0906	2.51E-54	1.42E-51	113.4536
ADAM2	-5.74122	4.701372	-28.7236	2.19E-52	1.19E-49	109.0206
PAPOLB	-2.95192	4.772263	-28.5034	4.57E-52	2.11E-49	108.2906
LINC00837	-4.51853	4.676481	-28.4344	5.76E-52	2.56E-49	108.0612
BTG4	-3.96117	5.408784	-28.3957	6.56E-52	2.81E-49	107.9322
DPY19L1P1	-2.43667	4.866006	-28.2937	9.25E-52	3.83E-49	107.5913
LDHAL6B	-6.25625	4.851723	-27.906	3.44E-51	1.38E-48	106.288
SCIN	-2.60803	5.244489	-27.7927	5.06E-51	1.96E-48	105.9042
TMEM57	-2.89151	6.602747	-27.6647	7.83E-51	2.92E-48	105.4695
DNAJC28	-3.20172	4.838708	-27.6587	8.00E-51	2.92E-48	105.4488
GLB1L	-3.1458	7.424517	-27.6224	9.06E-51	3.22E-48	105.3254
CEP112	-5.26742	5.437052	-27.5766	1.06E-50	3.66E-48	105.1692
ATXN3L	-2.4586	4.871529	-27.2724	3.03E-50	9.90E-48	104.1267
RPGRIP1	-3.83986	6.451213	-27.0356	6.89E-50	2.20E-47	103.3092
SYNGR4	-3.93281	6.59106	-26.8908	1.14E-49	3.55E-47	102.8067
SMURF1	-2.96126	6.349629	-26.6074	3.09E-49	9.37E-47	101.8167
SPATA1	-2.27228	4.259151	-26.5355	3.98E-49	1.15E-46	101.5644
SOX30	-4.07442	4.737431	-26.3547	7.56E-49	2.09E-46	100.9271
TEX12	-2.61786	4.444907	-26.1877	1.37E-48	3.70E-46	100.336
CCDC88A	-2.97618	5.313718	-26.016	2.53E-48	6.69E-46	99.72518
CYLC1	-3.12021	5.611317	-26.0092	2.59E-48	6.71E-46	99.70089
DMC1	-2.72598	5.335899	-25.9801	2.88E-48	7.21E-46	99.59682
ELAVL2	-4.2131	4.947002	-25.9778	2.90E-48	7.21E-46	99.58894
UBQLN3	-6.46465	5.609914	-25.805	5.40E-48	1.32E-45	98.97014
GRK4	-4.62498	5.32801	-25.5896	1.18E-47	2.82E-45	98.1948
CCDC186	-3.37378	5.581683	-25.56	1.31E-47	3.08E-45	98.08806

CYLC2	-5.62813	5.317585	-25.496	1.65E-47	3.81E-45	97.85654
ERO1LB	-3.91543	5.22661	-25.4421	2.01E-47	4.55E-45	97.66114
GAPDHS	-6.05915	5.890437	-25.258	3.94E-47	8.76E-45	96.99191
AURKC	-4.42936	6.281318	-25.1705	5.44E-47	1.19E-44	96.67244
GPC5	-2.97527	4.681421	-25.1141	6.69E-47	1.43E-44	96.46616
CARF	-3.55479	4.496776	-25.0198	9.47E-47	1.96E-44	96.12052
LINC00342	-3.10688	5.233744	-25.0149	9.64E-47	1.96E-44	96.10247
SPATA31C	-2.09378	4.479296	-24.8488	1.78E-46	3.57E-44	95.49101
C20orf195	-4.76045	6.210539	-24.7493	2.58E-46	5.08E-44	95.1237
C6orf10	-4.30046	5.337565	-24.6724	3.43E-46	6.66E-44	94.83892
IQCK	-2.23668	5.711925	-24.6096	4.33E-46	8.29E-44	94.60564
CAMK4	-2.90829	5.616801	-24.484	6.93E-46	1.31E-43	94.13811
ART3	-6.07695	5.093963	-24.457	7.67E-46	1.42E-43	94.03772
RWDD2A	-3.76499	5.750645	-24.437	8.26E-46	1.51E-43	93.96303
RFPL3S	-5.30029	4.993432	-24.4155	8.96E-46	1.61E-43	93.88245
AKAP4	-5.64016	5.561033	-24.3917	9.79E-46	1.74E-43	93.79369
CCHCR1	-3.17602	6.75992	-24.3496	1.15E-45	2.01E-43	93.63613
IRGC	-3.26893	5.467078	-24.3203	1.28E-45	2.21E-43	93.52657
TSSK2	-2.82359	6.680229	-24.1656	2.29E-45	3.91E-43	92.9455
GK2	-5.55196	6.164795	-24.1301	2.62E-45	4.41E-43	92.81179
NME8	-3.15835	5.284334	-24.095	3.00E-45	4.84E-43	92.6796
CBLN1	-3.69492	5.413333	-24.0947	3.00E-45	4.84E-43	92.67847
CCIN	-3.72546	6.72889	-24.0667	3.34E-45	5.32E-43	92.57295
SLC25A21	-2.03769	4.382415	-24.0411	3.68E-45	5.79E-43	92.47608
RTDR1	-3.13796	5.975804	-24.0127	4.09E-45	6.36E-43	92.36898
USP2	-2.14441	5.941551	-23.9978	4.33E-45	6.65E-43	92.31242
PPP1R2P9	-4.06273	5.948684	-23.9939	4.40E-45	6.67E-43	92.29794
CEP97	-2.00864	4.61567	-23.9837	4.57E-45	6.84E-43	92.25938
ADD3-AS1	-3.69161	5.907659	-23.9675	4.86E-45	7.19E-43	92.19802
PRKAA1	-2.60519	5.050583	-23.9516	5.16E-45	7.55E-43	92.13779
ALLC	-3.71499	6.432565	-23.8107	8.83E-45	1.28E-42	91.60299
C16orf95	-4.36665	6.589616	-23.7072	1.31E-44	1.87E-42	91.20901
TEX28	-2.4173	5.569671	-23.6704	1.51E-44	2.13E-42	91.06843
MYT1L	-2.70716	4.822134	-23.6594	1.58E-44	2.20E-42	91.02648
COIL	-3.96323	7.193157	-23.6558	1.60E-44	2.21E-42	91.01272
CT62	-4.26666	5.008402	-23.6125	1.89E-44	2.58E-42	90.8471
RFX2	-2.81468	6.635986	-23.566	2.25E-44	3.05E-42	90.66931
PEX7	-2.35802	6.041051	-23.5381	2.51E-44	3.36E-42	90.56219
MROH7	-3.71827	6.685117	-23.4768	3.18E-44	4.20E-42	90.32708
PRPS1L1	-4.64383	5.35119	-23.4734	3.22E-44	4.21E-42	90.31392
PMS2P8	-2.90072	6.05224	-23.4471	3.56E-44	4.61E-42	90.21288
TNP2	-2.18329	4.842645	-23.4059	4.18E-44	5.35E-42	90.0545
C9orf9	-4.84798	5.996348	-23.3693	4.81E-44	6.10E-42	89.91373
PSORS1C1	-3.955	5.372265	-23.3357	5.48E-44	6.88E-42	89.78421
GPR135	-3.07794	5.474999	-23.2752	6.93E-44	8.53E-42	89.5505
RPGRI1L	-3.51063	4.646984	-23.153	1.11E-43	1.34E-41	89.07777
HSPA1L	-4.69626	6.602983	-23.0408	1.72E-43	2.06E-41	88.64181
TTLL7	-3.06323	5.502694	-22.8367	3.83E-43	4.45E-41	87.8458
PMFBP1	-3.03301	6.622311	-22.7401	5.60E-43	6.45E-41	87.46707

ZBTB32	-4.51284	5.473399	-22.7236	5.97E-43	6.81E-41	87.40247
LRRC36	-3.4144	7.070416	-22.6553	7.82E-43	8.76E-41	87.13396
FBXO24	-3.85728	5.451583	-22.6421	8.24E-43	9.14E-41	87.08216
NR2C2	-2.16226	5.471445	-22.4053	2.11E-42	2.32E-40	86.14658
POM121L9	-4.79384	5.919851	-22.1992	4.79E-42	5.22E-40	85.3273
AQP5	-2.83193	5.746522	-22.1547	5.72E-42	6.18E-40	85.14998
ZC2HC1C	-4.64194	6.03668	-22.149	5.85E-42	6.27E-40	85.12696
KDM4D	-5.21727	5.474984	-22.0874	7.49E-42	7.96E-40	84.88088
ZNRF4	-2.56907	7.632622	-22.0723	7.96E-42	8.39E-40	84.82036
ACRV1	-4.67373	6.332774	-22.0585	8.41E-42	8.79E-40	84.76517
ZSCAN5A	-2.93866	6.078625	-22.0248	9.63E-42	9.98E-40	84.63026
CTAGE1	-2.92427	4.833459	-22.0195	9.84E-42	1.01E-39	84.60906
NOL4	-2.85742	5.145032	-21.9227	1.45E-41	1.48E-39	84.22032
MMACHC	-2.10501	6.665404	-21.8971	1.61E-41	1.63E-39	84.1171
LRRC48	-2.97659	5.602891	-21.8612	1.86E-41	1.87E-39	83.97296
TSGA10	-5.54265	5.462958	-21.8112	2.28E-41	2.27E-39	83.77105
RDH8	-2.03304	5.765968	-21.7826	2.56E-41	2.52E-39	83.65594
CATSPERG	-3.73609	5.903981	-21.7719	2.67E-41	2.61E-39	83.61271
APH1B	-4.74756	7.579104	-21.6423	4.52E-41	4.39E-39	83.08842
GRAMD1C	-3.79388	4.910989	-21.6264	4.82E-41	4.64E-39	83.0239
SLCO3A1	-3.13397	6.652041	-21.533	7.05E-41	6.74E-39	82.64463
SNX19	-2.4474	7.198235	-21.5193	7.46E-41	7.08E-39	82.58863
MNS1	-5.48179	5.755329	-21.4808	8.72E-41	8.15E-39	82.432
SYCP2	-4.89675	4.654947	-21.4706	9.09E-41	8.44E-39	82.39053
VPRBP	-2.6738	6.201826	-21.4307	1.07E-40	9.86E-39	82.22776
LRIT1	-2.01514	5.268312	-21.4224	1.11E-40	1.01E-38	82.19398
CEP63	-2.86534	6.144112	-21.4191	1.12E-40	1.02E-38	82.18027
HIRIP3	-2.98443	7.372751	-21.3912	1.26E-40	1.13E-38	82.0666
PACRG	-3.55782	5.819784	-21.3701	1.37E-40	1.23E-38	81.98014
ZCCHC14	-2.44015	6.520705	-21.3278	1.63E-40	1.45E-38	81.8073
PPP3CC	-2.24829	5.599471	-21.2934	1.88E-40	1.65E-38	81.6663
IZUMO4	-5.06654	6.578573	-21.2921	1.89E-40	1.65E-38	81.6613
TEX15	-2.74872	5.669456	-21.2776	2.00E-40	1.74E-38	81.60183
TULP2	-3.58355	6.390667	-21.2712	2.06E-40	1.78E-38	81.57537
C16orf71	-4.15956	6.546048	-21.266	2.10E-40	1.79E-38	81.55429
EFCAB6	-3.01117	6.260419	-21.2642	2.12E-40	1.79E-38	81.54671
HCFC2	-4.71786	6.337392	-21.1709	3.11E-40	2.61E-38	81.16387
PGK2	-5.1248	5.852843	-21.1426	3.49E-40	2.92E-38	81.04731
HIF1AN	-2.26126	7.529895	-20.9762	6.95E-40	5.72E-38	80.36094
ADAM5	-2.1409	5.810096	-20.973	7.04E-40	5.76E-38	80.34773
WDR78	-3.99646	5.599738	-20.9524	7.67E-40	6.16E-38	80.26249
NGLY1	-2.60322	7.141346	-20.9517	7.69E-40	6.16E-38	80.25962
PRKACG	-3.08104	6.511578	-20.9505	7.73E-40	6.16E-38	80.25502
TDRD1	-2.31491	5.436178	-20.9476	7.82E-40	6.20E-38	80.24284
TRIM52	-2.49783	6.059618	-20.9287	8.46E-40	6.66E-38	80.16474
PDHA2	-5.34269	6.529259	-20.9034	9.40E-40	7.35E-38	80.05976
MTRF1	-2.68306	6.005864	-20.8822	1.03E-39	7.98E-38	79.97191
CLPB	-4.91359	6.721433	-20.8752	1.06E-39	8.16E-38	79.94302
ANKMY1	-2.4397	5.70584	-20.7904	1.50E-39	1.15E-37	79.5908

DDX25	-5.62386	6.005658	-20.7702	1.64E-39	1.25E-37	79.50671
ADAM30	-3.37912	6.24354	-20.7452	1.82E-39	1.38E-37	79.40267
CCNE2	-3.13497	5.408522	-20.6913	2.27E-39	1.71E-37	79.17815
ACTL7B	-4.75564	5.874317	-20.649	2.71E-39	2.03E-37	79.00166
TAF7L	-4.906	5.295409	-20.6066	3.24E-39	2.41E-37	78.82475
SSX3	-2.91095	6.464464	-20.6039	3.28E-39	2.42E-37	78.81339
PDE3B	-2.15636	5.878595	-20.5822	3.59E-39	2.64E-37	78.72259
CETN1	-3.27347	7.628004	-20.5513	4.09E-39	2.99E-37	78.59331
RAB27B	-2.05937	4.62696	-20.5248	4.57E-39	3.32E-37	78.48206
ZCWPW1	-2.94012	7.569064	-20.4995	5.08E-39	3.67E-37	78.3762
LRP2BP	-3.09561	5.689201	-20.4335	6.70E-39	4.79E-37	78.09923
SLC25A31	-6.10738	4.533061	-20.4179	7.16E-39	5.09E-37	78.0335
LECT2	-2.88807	5.154946	-20.379	8.43E-39	5.96E-37	77.87013
ARHGAP35	-2.19242	6.548975	-20.3346	1.02E-38	7.14E-37	77.68295
TCP11	-6.45698	6.802799	-20.1237	2.48E-38	1.70E-36	76.79183
AHI1	-2.32323	6.074999	-20.1196	2.53E-38	1.72E-36	76.77414
ACR	-3.09815	7.253251	-20.1055	2.68E-38	1.81E-36	76.71459
GK3P	-3.13301	5.413924	-20.0994	2.75E-38	1.85E-36	76.68836
OXCT2	-3.26288	7.173753	-20.0908	2.86E-38	1.91E-36	76.65221
STAM2	-2.42203	5.882331	-20.0672	3.16E-38	2.10E-36	76.5518
SAP30L	-2.97433	5.917729	-19.9841	4.50E-38	2.97E-36	76.19852
CAPN11	-2.93016	5.659523	-19.9549	5.09E-38	3.35E-36	76.07431
ZKSCAN4	-2.72765	6.884998	-19.8605	7.63E-38	4.99E-36	75.67124
TRAPPC12	-3.44376	8.009997	-19.8385	8.38E-38	5.46E-36	75.57729
CST8	-2.61667	6.676876	-19.8015	9.82E-38	6.36E-36	75.41907
CCDC7	-3.66144	6.851342	-19.7985	9.95E-38	6.41E-36	75.406
MCF2	-2.40565	5.018214	-19.7412	1.27E-37	8.15E-36	75.16079
CLIP4	-3.36565	6.112735	-19.6594	1.81E-37	1.15E-35	74.80961
DOC2A	-2.24336	6.186493	-19.6342	2.02E-37	1.27E-35	74.70107
HHIPL2	-3.1402	6.214085	-19.6303	2.05E-37	1.29E-35	74.68424
LOC81691	-6.70903	6.574109	-19.6094	2.24E-37	1.40E-35	74.59442
ST7L	-2.12182	6.614836	-19.5995	2.34E-37	1.45E-35	74.55197
CCDC15	-3.21546	6.30373	-19.5945	2.39E-37	1.48E-35	74.53044
GDF9	-2.01047	6.532865	-19.491	3.74E-37	2.29E-35	74.08399
SLC1A6	-3.39819	6.384219	-19.4447	4.57E-37	2.78E-35	73.88387
NAT6	-2.57657	7.373531	-19.4217	5.05E-37	3.05E-35	73.78446
PIWIL1	-5.94114	4.886973	-19.3892	5.81E-37	3.49E-35	73.64355
CDADC1	-2.02201	5.545865	-19.3482	6.94E-37	4.15E-35	73.46588
AP1AR	-2.11002	5.360355	-19.3215	7.80E-37	4.64E-35	73.34997
LYZL6	-3.27856	6.464771	-19.3147	8.03E-37	4.76E-35	73.32024
C17orf80	-3.12746	6.010081	-19.3095	8.21E-37	4.82E-35	73.29807
SSX1	-2.53784	5.435691	-19.3094	8.22E-37	4.82E-35	73.29753
SOCS7	-3.83476	6.681913	-19.2385	1.12E-36	6.53E-35	72.9894
SPATA6	-5.7972	6.095342	-19.2231	1.20E-36	6.95E-35	72.92235
KIF3A	-3.73063	5.855571	-19.2195	1.22E-36	7.03E-35	72.90665
AFF4	-3.89506	5.555483	-19.2159	1.23E-36	7.11E-35	72.89102
HSPA4L	-6.34665	5.290574	-19.1988	1.33E-36	7.61E-35	72.81629
HOOK1	-4.06726	5.907237	-19.1982	1.33E-36	7.61E-35	72.81388
ZNF821	-2.08499	7.075546	-19.1892	1.39E-36	7.88E-35	72.77447

SPATA7	-4.34355	5.339507	-19.161	1.57E-36	8.87E-35	72.65176
TRAF6	-2.13488	7.065783	-19.1026	2.03E-36	1.14E-34	72.39692
FNDC8	-3.53598	6.134446	-19.0955	2.09E-36	1.17E-34	72.36567
IMPACT	-3.01337	5.379108	-19.0878	2.16E-36	1.20E-34	72.33201
TBC1D12	-2.98836	6.463825	-19.0873	2.17E-36	1.20E-34	72.32993
DKKL1	-3.5153	6.853302	-19.0866	2.17E-36	1.20E-34	72.32699
ACE	-2.68181	5.822512	-19.0742	2.29E-36	1.26E-34	72.27274
PHTF1	-2.83412	6.517324	-19.0717	2.32E-36	1.27E-34	72.26171
MS4A5	-3.56406	6.652623	-19.0715	2.32E-36	1.27E-34	72.26061
FAM114A2	-2.06135	7.245951	-19.0645	2.39E-36	1.30E-34	72.23036
NR6A1	-2.13301	6.929058	-19.0151	2.97E-36	1.61E-34	72.01389
TSKS	-3.28321	6.019183	-18.9699	3.62E-36	1.93E-34	71.81594
KIAA0586	-2.02498	6.867789	-18.942	4.10E-36	2.18E-34	71.69356
TTC26	-2.43189	6.462369	-18.9237	4.44E-36	2.35E-34	71.61309
SYCP1	-5.01619	5.275333	-18.9015	4.89E-36	2.58E-34	71.51577
YPEL1	-5.43967	7.052433	-18.8915	5.12E-36	2.68E-34	71.47151
RGS7	-3.0892	4.90557	-18.8775	5.44E-36	2.84E-34	71.41009
MMP28	-2.75316	5.122302	-18.8335	6.60E-36	3.41E-34	71.21636
ROPN1B	-6.57893	6.19667	-18.7881	8.07E-36	4.14E-34	71.01643
HIST1H1T	-2.07979	6.347137	-18.7256	1.06E-35	5.40E-34	70.74064
CHD5	-2.64506	6.135964	-18.7153	1.11E-35	5.62E-34	70.69516
TEX40	-4.8607	7.415822	-18.7051	1.16E-35	5.86E-34	70.65025
LYRM2	-2.88423	5.245027	-18.6428	1.53E-35	7.67E-34	70.37463
IFT74	-2.92762	4.74336	-18.6424	1.54E-35	7.67E-34	70.3728
LDHC	-6.47991	6.818314	-18.6221	1.68E-35	8.36E-34	70.2828
TTC12	-2.50962	6.014209	-18.5794	2.03E-35	1.01E-33	70.09368
DNAH17	-3.27493	6.247792	-18.4887	3.04E-35	1.50E-33	69.69096
CTNNA3	-2.08267	6.369727	-18.4615	3.43E-35	1.69E-33	69.56973
ZBBX	-4.99773	4.967885	-18.448	3.65E-35	1.78E-33	69.50967
CRY1	-3.5378	6.236502	-18.424	4.06E-35	1.98E-33	69.40283
ZBTB48	-2.50502	6.265141	-18.3922	4.68E-35	2.27E-33	69.26098
TRIM66	-2.21436	6.983239	-18.3648	5.28E-35	2.56E-33	69.13909
SHCBP1L	-4.62607	6.331808	-18.3423	5.84E-35	2.82E-33	69.03846
BCAP29	-3.40054	5.445287	-18.3284	6.22E-35	2.98E-33	68.97636
CRISP2	-7.78247	5.312297	-18.2962	7.18E-35	3.42E-33	68.83251
FSCN3	-3.54228	7.865052	-18.1494	1.39E-34	6.53E-33	68.17459
UTRN	-3.6359	6.723664	-18.1323	1.50E-34	7.03E-33	68.09809
PIGV	-3.27327	6.992987	-18.1303	1.51E-34	7.07E-33	68.08873
BBS4	-2.37827	6.227007	-18.1093	1.66E-34	7.74E-33	67.99436
C1orf105	-3.71634	7.175392	-18.1047	1.70E-34	7.86E-33	67.9738
PRSS21	-4.71029	6.078814	-18.0712	1.97E-34	9.02E-33	67.82317
RORA	-3.232	5.492277	-18.0711	1.97E-34	9.02E-33	67.82254
RAD17	-3.04312	7.795615	-18.0697	1.99E-34	9.04E-33	67.81659
SPTBN2	-2.85942	6.273518	-18.0432	2.24E-34	1.02E-32	67.69722
SLC25A28	-2.26038	7.743847	-18.0043	2.67E-34	1.21E-32	67.52196
ACSBG2	-5.36397	6.622906	-17.9815	2.96E-34	1.33E-32	67.41901
ZMYND10	-4.10889	6.472051	-17.9783	3.00E-34	1.35E-32	67.40455
ACTL7A	-3.25778	7.635329	-17.9586	3.28E-34	1.47E-32	67.3155
IL13	-2.7539	6.468923	-17.9401	3.56E-34	1.59E-32	67.23232

IFT88	-4.78033	7.147302	-17.9202	3.90E-34	1.73E-32	67.14228
RAB11FIP5	-3.40293	7.738513	-17.9099	4.09E-34	1.80E-32	67.09561
SLC12A6	-3.42201	6.193337	-17.8865	4.54E-34	2.00E-32	66.98975
TCP10	-2.39299	5.84492	-17.8805	4.67E-34	2.04E-32	66.96255
HSF2BP	-3.05633	6.521347	-17.8706	4.88E-34	2.12E-32	66.91794
AGBL2	-3.71088	5.316701	-17.8378	5.66E-34	2.45E-32	66.76939
ZNF473	-3.19543	6.971105	-17.8316	5.82E-34	2.51E-32	66.74133
MAPRE3	-2.65798	6.104375	-17.7965	6.83E-34	2.93E-32	66.58205
DYRK3	-3.00204	7.483993	-17.7806	7.34E-34	3.14E-32	66.50985
MAK	-2.87575	5.243223	-17.77	7.70E-34	3.28E-32	66.46204
FER	-2.19431	6.550682	-17.7669	7.81E-34	3.32E-32	66.44772
AHCTF1	-3.53537	6.329533	-17.7487	8.49E-34	3.58E-32	66.36511
RSF1	-2.22909	5.271759	-17.7198	9.68E-34	4.04E-32	66.23393
CREM	-3.30236	6.57426	-17.7132	9.97E-34	4.15E-32	66.20395
ELL3	-3.6076	6.465172	-17.6726	1.20E-33	4.97E-32	66.0191
SFMBT1	-4.06183	7.325838	-17.6608	1.27E-33	5.23E-32	65.96554
TP73-AS1	-2.0538	6.310394	-17.6411	1.39E-33	5.68E-32	65.87564
ZPBP	-6.13428	6.424679	-17.5748	1.87E-33	7.64E-32	65.57373
USP32	-3.642	6.58684	-17.5692	1.92E-33	7.81E-32	65.548
SMG7-AS1	-2.06089	5.049594	-17.5516	2.08E-33	8.44E-32	65.46749
BBIP1	-3.31256	6.667482	-17.5213	2.39E-33	9.63E-32	65.32923
BRD8	-3.70348	7.28371	-17.5167	2.44E-33	9.80E-32	65.30814
CBL	-2.52274	6.401748	-17.4443	3.41E-33	1.36E-31	64.9767
SFT2D2	-2.4652	7.46571	-17.4374	3.52E-33	1.40E-31	64.94513
KIF2A	-3.14941	6.868574	-17.3863	4.44E-33	1.75E-31	64.71084
RBMXL2	-2.87591	5.611531	-17.3832	4.51E-33	1.77E-31	64.69685
ODF1	-5.55953	6.966183	-17.3584	5.05E-33	1.98E-31	64.58284
SOX5	-3.4092	6.141112	-17.3401	5.49E-33	2.14E-31	64.49893
CHGA	-4.67191	6.678828	-17.3292	5.78E-33	2.24E-31	64.4486
HYPM	-2.84641	6.459213	-17.3224	5.96E-33	2.31E-31	64.41769
DRICH1	-2.06917	6.508736	-17.3187	6.06E-33	2.34E-31	64.40042
ANKS1B	-2.08319	4.947075	-17.3097	6.32E-33	2.43E-31	64.35915
ABCB9	-2.37062	6.439843	-17.3046	6.47E-33	2.48E-31	64.33573
MAPKBP1	-2.68833	7.657991	-17.3028	6.52E-33	2.50E-31	64.32745
CHKA	-3.88811	7.490747	-17.288	6.98E-33	2.66E-31	64.2593
CCT6B	-5.53316	6.979407	-17.2743	7.44E-33	2.83E-31	64.19628
TEX30	-4.56658	7.215136	-17.2358	8.88E-33	3.36E-31	64.01913
PCSK2	-2.26273	5.020782	-17.2115	9.93E-33	3.74E-31	63.90714
ALDH1A2	-2.14024	6.2443	-17.211	9.96E-33	3.74E-31	63.90499
ANKRD7	-7.97415	5.179087	-17.1941	1.08E-32	4.03E-31	63.8267
CLTCL1	-2.84506	7.346788	-17.123	1.49E-32	5.58E-31	63.49876
SMPD2	-2.53185	7.381775	-17.1137	1.56E-32	5.81E-31	63.45549
CCNO	-2.63189	6.177703	-17.1077	1.60E-32	5.96E-31	63.42792
INTS6	-3.98381	6.359287	-17.0637	1.97E-32	7.26E-31	63.22455
SPANXB1	-2.43496	4.837606	-17.056	2.04E-32	7.50E-31	63.1886
TEX14	-5.42972	5.914249	-17.055	2.05E-32	7.51E-31	63.18407
MAGEC1	-3.57113	5.848646	-17.0514	2.08E-32	7.61E-31	63.16757
FAM188A	-2.39659	6.561369	-17.0316	2.28E-32	8.30E-31	63.07581
BAP1	-2.1625	8.763247	-17.0268	2.33E-32	8.46E-31	63.05352

FGFR1OP	-2.22917	6.791986	-17.0204	2.40E-32	8.69E-31	63.02376
CDKL3	-2.06379	5.912736	-17.0149	2.47E-32	8.89E-31	62.99838
SAMD4A	-2.22786	6.063249	-17.0045	2.59E-32	9.27E-31	62.95008
CASC1	-4.35012	4.944115	-16.9952	2.70E-32	9.66E-31	62.90693
NR3C2	-3.04408	5.119696	-16.9688	3.06E-32	1.08E-30	62.78432
CCNA1	-4.99205	6.690814	-16.9586	3.20E-32	1.13E-30	62.73734
PHF1	-2.19297	8.540085	-16.9551	3.26E-32	1.15E-30	62.72114
PRM2	-7.68646	6.45826	-16.9414	3.47E-32	1.22E-30	62.65721
TTBK2	-2.47386	4.773441	-16.9124	3.97E-32	1.38E-30	62.52266
ARHGAP28	-3.46191	5.833065	-16.8529	5.24E-32	1.81E-30	62.24561
MTL5	-4.23279	6.248373	-16.8466	5.39E-32	1.85E-30	62.21634
TSSK1B	-3.016	5.362889	-16.8056	6.53E-32	2.24E-30	62.02524
HRASLS	-5.3433	5.878191	-16.7812	7.32E-32	2.49E-30	61.91187
PRM1	-8.37738	6.395203	-16.7504	8.45E-32	2.87E-30	61.76795
SLC6A16	-5.07203	6.764617	-16.7341	9.12E-32	3.09E-30	61.69193
ODF2	-5.45865	6.85742	-16.7223	9.64E-32	3.26E-30	61.63667
STAG3	-4.33365	7.032465	-16.7129	1.01E-31	3.39E-30	61.59272
PPFIA1	-2.40023	7.042715	-16.71	1.02E-31	3.43E-30	61.57902
SPA17	-5.92999	6.301503	-16.7071	1.03E-31	3.47E-30	61.56585
C2orf42	-3.41933	7.488007	-16.695	1.09E-31	3.66E-30	61.50909
FKBP6	-2.8551	7.186265	-16.6898	1.12E-31	3.74E-30	61.48472
GSG1	-5.8506	5.465694	-16.6766	1.19E-31	3.97E-30	61.42296
SAYSD1	-2.73941	7.34008	-16.6646	1.26E-31	4.17E-30	61.36676
RNF19A	-2.69613	5.932377	-16.664	1.27E-31	4.17E-30	61.3642
MAP9	-2.21441	4.818482	-16.6322	1.47E-31	4.82E-30	61.21542
FRMPD1	-2.71415	5.819398	-16.6247	1.52E-31	4.98E-30	61.17995
GSTA3	-2.81342	6.453538	-16.6166	1.58E-31	5.16E-30	61.14234
SLC2A5	-3.12027	7.020215	-16.6124	1.61E-31	5.25E-30	61.12242
TEX13A	-2.30016	5.88654	-16.593	1.77E-31	5.73E-30	61.03139
SMCP	-4.52446	7.90725	-16.588	1.81E-31	5.85E-30	61.00816
C10orf88	-2.68133	5.871318	-16.5821	1.86E-31	6.00E-30	60.98041
LY6G5C	-2.06699	5.898081	-16.5376	2.29E-31	7.34E-30	60.77164
DLEU2	-2.36618	5.83982	-16.5246	2.43E-31	7.78E-30	60.71042
HPS5	-3.34033	6.095764	-16.5099	2.61E-31	8.29E-30	60.64145
KIAA0556	-2.22031	7.39799	-16.5029	2.70E-31	8.55E-30	60.60844
TTC30A	-2.76023	4.508603	-16.4912	2.85E-31	9.01E-30	60.55345
NUP62CL	-3.21881	5.094364	-16.4545	3.39E-31	1.07E-29	60.38096
C1QTNF9B	-2.40625	6.853172	-16.4431	3.57E-31	1.12E-29	60.32713
PHF7	-4.75428	6.627081	-16.4138	4.10E-31	1.28E-29	60.18944
RPL10L	-3.43346	6.969336	-16.3983	4.41E-31	1.36E-29	60.11645
LRP8	-3.74917	6.374441	-16.3915	4.56E-31	1.40E-29	60.08411
ZNHIT2	-2.21994	6.406333	-16.3832	4.74E-31	1.45E-29	60.04531
DAK	-2.12714	6.257958	-16.3776	4.86E-31	1.49E-29	60.01859
NDUFAF3	-3.48947	8.572338	-16.3661	5.14E-31	1.57E-29	59.96451
PCYT2	-4.10188	7.431033	-16.3653	5.15E-31	1.57E-29	59.96075
SPAG1	-2.76861	4.857447	-16.3465	5.63E-31	1.70E-29	59.87195
SPEF1	-2.59171	5.893128	-16.3219	6.33E-31	1.91E-29	59.75576
PHLPP2	-2.00205	7.293582	-16.3005	7.00E-31	2.10E-29	59.65475
CRAT	-3.0599	7.747921	-16.2798	7.72E-31	2.31E-29	59.55721

INHA	-5.00264	6.570891	-16.2423	9.22E-31	2.74E-29	59.37977
CUL3	-2.41075	6.477567	-16.2204	1.02E-30	3.03E-29	59.27592
RNF17	-2.5383	5.754407	-16.1871	1.20E-30	3.54E-29	59.11807
SUPT3H	-2.29209	6.603764	-16.1694	1.30E-30	3.83E-29	59.03452
TBCCD1	-2.81907	5.909432	-16.1632	1.34E-30	3.93E-29	59.0048
DUSP13	-2.8607	6.76595	-16.1386	1.51E-30	4.38E-29	58.88839
CLGN	-5.29002	4.912932	-16.1337	1.54E-30	4.46E-29	58.86475
OAZ3	-3.15665	5.649454	-16.1169	1.67E-30	4.80E-29	58.7852
TNP1	-7.57496	6.563554	-16.1152	1.68E-30	4.83E-29	58.77715
ATG9A	-2.43361	8.060869	-16.06	2.19E-30	6.20E-29	58.515
LIN7A	-2.68906	5.662861	-16.0597	2.19E-30	6.20E-29	58.51355
YBX2	-4.69256	8.102006	-16.0578	2.21E-30	6.24E-29	58.50453
SPAG9	-2.54869	6.455743	-16.044	2.36E-30	6.65E-29	58.43886
GPN3	-2.6681	7.252744	-16.0148	2.72E-30	7.57E-29	58.29977
DDX4	-6.29448	5.450864	-16.0127	2.74E-30	7.63E-29	58.28962
ULK2	-2.55788	6.661138	-16.0041	2.86E-30	7.93E-29	58.2489
SNAPC3	-2.10757	5.92063	-15.9903	3.05E-30	8.45E-29	58.18317
UIMC1	-3.10848	7.823505	-15.9802	3.20E-30	8.85E-29	58.13489
ZNF165	-4.57015	5.30425	-15.9686	3.39E-30	9.31E-29	58.07989
DNAI1	-3.35738	6.512497	-15.9671	3.41E-30	9.36E-29	58.0727
AK6	-2.29481	7.314851	-15.9612	3.51E-30	9.60E-29	58.04454
HMG5	-3.11949	5.614694	-15.933	4.01E-30	1.09E-28	57.91006
CEP350	-2.46945	7.724332	-15.921	4.25E-30	1.15E-28	57.85284
VCX2	-4.26634	6.380686	-15.9073	4.54E-30	1.22E-28	57.78733
BAG1	-2.61597	8.137353	-15.8393	6.28E-30	1.68E-28	57.46228
IGLL1	-2.23291	5.825614	-15.8391	6.28E-30	1.68E-28	57.46158
TSNAXIP1	-2.39987	7.599606	-15.7968	7.69E-30	2.04E-28	57.25928
IQCE	-2.7493	6.143108	-15.7904	7.94E-30	2.10E-28	57.22826
DXO	-2.242	7.965519	-15.7864	8.09E-30	2.13E-28	57.2094
ADAM3A	-2.49354	4.501968	-15.7807	8.31E-30	2.19E-28	57.18198
FRS3	-2.4938	6.953835	-15.7789	8.38E-30	2.20E-28	57.17356
DNAH7	-2.49251	6.141841	-15.7544	9.43E-30	2.46E-28	57.05592
SPAG6	-4.93077	6.42241	-15.734	1.04E-29	2.69E-28	56.95836
PCM1	-2.45519	7.67165	-15.72	1.11E-29	2.87E-28	56.891
PLEKHA1	-3.421	6.97963	-15.7181	1.12E-29	2.90E-28	56.88189
PPP1R7	-2.35091	7.570857	-15.6938	1.26E-29	3.23E-28	56.76549
USP29	-2.0753	6.48798	-15.6568	1.51E-29	3.82E-28	56.58779
CDKL2	-2.04594	6.13561	-15.6556	1.52E-29	3.83E-28	56.58168
IPO13	-2.03095	8.220629	-15.6483	1.57E-29	3.96E-28	56.54658
VRK3	-2.33074	8.637323	-15.6149	1.84E-29	4.63E-28	56.38624
DZIP3	-2.91236	6.559429	-15.6129	1.86E-29	4.65E-28	56.37639
LIN37	-2.32415	5.106372	-15.5918	2.06E-29	5.11E-28	56.27519
SH3TC2	-2.39562	5.793933	-15.51	3.06E-29	7.54E-28	55.881
ANKRD36B	-4.50681	5.576938	-15.4772	3.58E-29	8.79E-28	55.72287
POMZP3	-3.75907	6.548461	-15.4547	3.99E-29	9.77E-28	55.61395
GIN1	-2.20906	6.248881	-15.4473	4.14E-29	1.01E-27	55.57862
DFNB31	-2.28422	6.718204	-15.4234	4.64E-29	1.13E-27	55.46294
RALGPS1	-2.035	6.031755	-15.3632	6.21E-29	1.50E-27	55.17174
PHKG2	-2.54389	7.951397	-15.3408	6.93E-29	1.67E-27	55.06315

NRIP3	-3.89519	7.289041	-15.3239	7.52E-29	1.81E-27	54.98146
CYB5R2	-4.42279	7.226263	-15.32	7.66E-29	1.84E-27	54.96266
BRDT	-5.20138	5.446948	-15.3072	8.15E-29	1.95E-27	54.90064
TOLLIP	-2.32815	7.775172	-15.3053	8.23E-29	1.96E-27	54.89123
OR7E14P	-2.87006	5.161762	-15.2545	1.05E-28	2.49E-27	54.64506
IFT140	-2.3288	5.252471	-15.2442	1.11E-28	2.61E-27	54.59497
RSPH6A	-2.35297	6.650737	-15.2391	1.13E-28	2.66E-27	54.57027
FAM169A	-3.79983	5.366105	-15.2347	1.16E-28	2.71E-27	54.5491
TBL2	-2.66798	7.477836	-15.1991	1.38E-28	3.20E-27	54.37583
EDC3	-2.4565	6.555173	-15.1926	1.42E-28	3.29E-27	54.34435
MYBL1	-4.11932	5.63578	-15.1921	1.43E-28	3.29E-27	54.3421
KIAA0895	-3.6268	4.602207	-15.1549	1.71E-28	3.93E-27	54.16104
H2AFJ	-2.39429	4.940761	-15.1196	2.03E-28	4.63E-27	53.98921
VAMP2	-2.31765	7.115401	-15.0429	2.95E-28	6.68E-27	53.61548
PIBF1	-2.73125	6.077351	-15.0405	2.98E-28	6.74E-27	53.60366
GID4	-3.74372	6.900302	-15.0184	3.32E-28	7.49E-27	53.49574
ELF2	-2.28881	7.372361	-14.9985	3.66E-28	8.22E-27	53.39897
ADORA1	-2.16192	6.61663	-14.9898	3.82E-28	8.56E-27	53.35651
MTMR6	-3.38604	6.41397	-14.9821	3.97E-28	8.85E-27	53.31893
B9D1	-2.07831	6.347709	-14.9741	4.13E-28	9.19E-27	53.2797
CCDC181	-4.2906	4.9927	-14.9725	4.16E-28	9.25E-27	53.27178
SPINK2	-6.07512	6.938706	-14.9711	4.19E-28	9.29E-27	53.26516
RUNDC3B	-2.82749	4.740195	-14.9113	5.61E-28	1.24E-26	52.97277
TLE4	-2.22793	5.931339	-14.9105	5.63E-28	1.24E-26	52.96869
CNNM1	-2.53486	6.642546	-14.8833	6.43E-28	1.41E-26	52.83561
C9orf116	-2.7285	6.359496	-14.8796	6.55E-28	1.43E-26	52.81726
CNTRL	-3.32685	7.183067	-14.8723	6.79E-28	1.48E-26	52.78156
MARK1	-2.62442	6.129805	-14.8701	6.87E-28	1.50E-26	52.77082
KIF18A	-2.97474	5.614303	-14.8691	6.90E-28	1.50E-26	52.76609
CTNNA2	-3.89387	5.700915	-14.8534	7.45E-28	1.61E-26	52.68927
GAPVD1	-2.26234	7.61799	-14.8516	7.52E-28	1.62E-26	52.68002
SLC30A4	-2.21261	4.812768	-14.85	7.58E-28	1.63E-26	52.67214
SRPK2	-2.30492	7.486576	-14.8482	7.64E-28	1.64E-26	52.66356
CDK20	-2.01565	7.454926	-14.825	8.56E-28	1.84E-26	52.54976
FAAH	-2.80665	6.852013	-14.8202	8.77E-28	1.88E-26	52.52609
PIP5K1C	-2.10596	8.573517	-14.8092	9.26E-28	1.98E-26	52.47224
GEMIN4	-2.39269	8.084962	-14.8066	9.37E-28	2.00E-26	52.45954
TP53TG5	-2.94721	6.920037	-14.8009	9.64E-28	2.05E-26	52.43179
OBFC1	-2.20575	7.588584	-14.7988	9.74E-28	2.07E-26	52.42111
BRAP	-2.41107	6.817238	-14.7968	9.84E-28	2.08E-26	52.41147
CCNH	-3.21127	8.379597	-14.7944	9.95E-28	2.10E-26	52.39963
NME5	-5.18716	6.736024	-14.7642	1.15E-27	2.44E-26	52.25156
ATF7IP2	-2.75505	7.783134	-14.7436	1.28E-27	2.69E-26	52.15014
SCAPER	-2.27696	6.434705	-14.7116	1.50E-27	3.12E-26	51.99296
STX18	-2.44155	8.238113	-14.6725	1.81E-27	3.74E-26	51.80098
CENPC	-2.04031	6.678157	-14.6407	2.12E-27	4.35E-26	51.64429
PSMC3IP	-2.16874	7.144019	-14.6151	2.40E-27	4.91E-26	51.51829
NDUFAF1	-2.55394	7.461832	-14.5764	2.91E-27	5.92E-26	51.32726
AR	-2.19704	5.697173	-14.5037	4.17E-27	8.44E-26	50.96878

CABYR	-5.6267	6.621019	-14.5032	4.18E-27	8.45E-26	50.966
RUFY3	-2.10476	5.937532	-14.4908	4.44E-27	8.94E-26	50.90465
ZDHHC14	-2.12996	7.59643	-14.4637	5.08E-27	1.02E-25	50.7708
AGFG1	-2.01246	6.724473	-14.4468	5.52E-27	1.10E-25	50.68707
YEATS4	-2.44318	5.633037	-14.4442	5.59E-27	1.11E-25	50.67469
CBLL1	-2.09806	4.7374	-14.4248	6.16E-27	1.22E-25	50.57847
DPEP3	-4.47074	6.069473	-14.4154	6.45E-27	1.28E-25	50.53206
GPS2	-2.44056	8.364721	-14.3807	7.66E-27	1.51E-25	50.36023
ZNF415	-2.58582	5.855167	-14.3718	8.01E-27	1.58E-25	50.31593
USPL1	-2.52131	7.805907	-14.3429	9.24E-27	1.82E-25	50.17304
PPME1	-2.12969	8.904824	-14.3033	1.12E-26	2.20E-25	49.97646
SLC30A3	-2.49338	8.75094	-14.2937	1.18E-26	2.30E-25	49.92866
NR0B1	-2.46325	5.433061	-14.2805	1.26E-26	2.45E-25	49.86349
UPF3A	-2.23616	7.418565	-14.245	1.50E-26	2.92E-25	49.68699
AKAP11	-2.47968	7.083172	-14.2439	1.51E-26	2.93E-25	49.68169
MPP6	-3.37108	5.960802	-14.1971	1.91E-26	3.66E-25	49.44883
FAM53C	-2.20111	8.383786	-14.1815	2.06E-26	3.94E-25	49.37124
PLSCR2	-3.01875	5.677229	-14.174	2.14E-26	4.08E-25	49.3338
CSNK2A2	-3.65623	8.076622	-14.1525	2.38E-26	4.52E-25	49.22713
TOPORS	-2.17812	6.014314	-14.1513	2.39E-26	4.54E-25	49.22115
KLHL11	-2.16582	7.067531	-14.1475	2.44E-26	4.62E-25	49.20218
DZIP1	-3.24812	6.383238	-14.1415	2.52E-26	4.75E-25	49.17221
PIK3R3	-3.12639	7.124495	-14.1335	2.62E-26	4.93E-25	49.13234
CUTC	-3.1978	7.052847	-14.0997	3.10E-26	5.79E-25	48.96406
SIK3	-2.1606	7.108875	-14.0641	3.70E-26	6.86E-25	48.78626
GAGE3	-5.55329	6.761195	-14.0495	3.98E-26	7.35E-25	48.71351
PAOX	-2.96454	6.866966	-14.044	4.09E-26	7.54E-25	48.68627
DIXDC1	-3.20703	7.069851	-14.0411	4.15E-26	7.64E-25	48.67191
KIF5B	-2.65986	8.322283	-14.0264	4.47E-26	8.19E-25	48.59841
RABIF	-2.0965	7.457081	-13.9934	5.27E-26	9.61E-25	48.43374
DHX57	-2.06569	6.14485	-13.9925	5.29E-26	9.65E-25	48.42882
CGRRF1	-2.8089	7.158008	-13.9883	5.40E-26	9.84E-25	48.40791
ZDHHC13	-2.59275	6.687047	-13.9864	5.46E-26	9.92E-25	48.39838
KCTD13	-3.3202	7.418382	-13.9719	5.86E-26	1.06E-24	48.32632
ATG2B	-2.30039	5.224871	-13.9672	6.00E-26	1.08E-24	48.3028
CCP110	-3.06591	7.527872	-13.9621	6.16E-26	1.11E-24	48.27712
RNF14	-2.99337	6.693867	-13.9351	7.05E-26	1.26E-24	48.14212
HAGH	-2.4821	7.853889	-13.925	7.42E-26	1.32E-24	48.09142
AP4M1	-2.14322	6.956269	-13.8327	1.18E-25	2.08E-24	47.62961
TTLL1	-2.3454	6.611541	-13.8322	1.18E-25	2.08E-24	47.62717
PGAM2	-3.46722	5.400421	-13.8254	1.22E-25	2.15E-24	47.59292
GRAMD1B	-2.28965	7.259998	-13.7635	1.67E-25	2.90E-24	47.2826
FHL5	-2.29632	5.193174	-13.7541	1.75E-25	3.04E-24	47.23495
TMCC1	-2.09236	6.496157	-13.7227	2.05E-25	3.54E-24	47.07738
LRRC49	-3.27588	6.140506	-13.6843	2.48E-25	4.27E-24	46.88463
IK	-2.15291	9.369106	-13.6696	2.67E-25	4.58E-24	46.8107
FUZ	-2.17736	6.842258	-13.668	2.69E-25	4.61E-24	46.80251
SETX	-2.33375	8.271714	-13.6399	3.10E-25	5.29E-24	46.66115
S1PR2	-2.48464	5.810728	-13.6226	3.39E-25	5.74E-24	46.5742

SHARPIN	-2.18751	7.946245	-13.6155	3.51E-25	5.95E-24	46.53839
METTL22	-2.50238	7.652408	-13.6009	3.78E-25	6.37E-24	46.46475
CCDC19	-2.2386	6.656634	-13.5952	3.89E-25	6.55E-24	46.43648
PROX1	-2.08644	5.424008	-13.5854	4.08E-25	6.84E-24	46.38697
CCT8L2	-2.1142	6.081772	-13.5683	4.45E-25	7.44E-24	46.30093
DYNC2H1	-2.655	6.933518	-13.5375	5.20E-25	8.62E-24	46.14564
COQ9	-2.13783	8.464972	-13.534	5.29E-25	8.75E-24	46.12798
DNALI1	-3.81483	6.67465	-13.5269	5.49E-25	9.05E-24	46.09184
ASB9	-3.53444	6.163623	-13.4803	6.94E-25	1.14E-23	45.85691
TRIM13	-3.40275	7.686263	-13.4801	6.95E-25	1.14E-23	45.85612
EIF4G3	-2.61193	8.174015	-13.4121	9.80E-25	1.59E-23	45.51265
FEM1C	-2.23314	6.865346	-13.3806	1.15E-24	1.86E-23	45.35324
NUP98	-2.1686	7.453997	-13.3684	1.22E-24	1.96E-23	45.29168
SURF2	-2.73777	6.801819	-13.358	1.29E-24	2.06E-23	45.23892
CDK8	-2.01013	6.214044	-13.3518	1.33E-24	2.13E-23	45.20744
OXR1	-3.32142	5.580095	-13.3467	1.36E-24	2.18E-23	45.18158
CDK19	-2.21718	7.410627	-13.3311	1.48E-24	2.34E-23	45.10277
FAM216A	-4.63852	6.641428	-13.3309	1.48E-24	2.34E-23	45.10174
PAAF1	-2.25828	8.082401	-13.3055	1.68E-24	2.66E-23	44.97333
OR7E156P	-3.40311	7.812759	-13.3047	1.69E-24	2.66E-23	44.96897
UBN1	-2.59502	8.092431	-13.3015	1.72E-24	2.70E-23	44.95288
SKAP2	-2.09504	5.951353	-13.2951	1.77E-24	2.78E-23	44.92027
PGR	-2.28157	4.94154	-13.278	1.93E-24	3.02E-23	44.83373
LOC44160:	-2.22065	7.102141	-13.2667	2.05E-24	3.18E-23	44.77668
CCDC176	-3.05503	7.90462	-13.2385	2.36E-24	3.66E-23	44.63358
MTO1	-2.70319	6.794142	-13.2235	2.55E-24	3.94E-23	44.55745
PGBD5	-2.70003	6.224551	-13.1954	2.94E-24	4.52E-23	44.41526
CTSF	-3.07027	7.726991	-13.1492	3.72E-24	5.69E-23	44.18047
PEX13	-2.45031	6.584956	-13.11	4.54E-24	6.84E-23	43.9813
MEPCE	-2.27728	9.182	-13.1008	4.75E-24	7.11E-23	43.93486
ARL4A	-3.84212	8.540869	-12.9984	8.01E-24	1.18E-22	43.41354
SPRR2C	-2.72679	5.624144	-12.9673	9.39E-24	1.38E-22	43.2552
TLR3	-2.05736	5.131031	-12.9585	9.82E-24	1.44E-22	43.2102
CCDC86	-2.30288	8.291971	-12.9471	1.04E-23	1.52E-22	43.15251
DENND5B	-2.0394	4.724337	-12.9467	1.04E-23	1.52E-22	43.15004
NEK4	-3.94072	6.634836	-12.9403	1.08E-23	1.57E-22	43.11787
PIWIL2	-2.07299	6.332327	-12.9254	1.16E-23	1.69E-22	43.04179
RANBP9	-3.30275	7.734765	-12.9098	1.26E-23	1.82E-22	42.9619
WDR60	-2.53209	6.910319	-12.8903	1.39E-23	2.01E-22	42.86271
PCID2	-2.30697	8.323737	-12.8552	1.66E-23	2.40E-22	42.68336
PDXK	-2.70455	8.604124	-12.8479	1.73E-23	2.49E-22	42.64652
DOCK3	-2.2321	5.461148	-12.8466	1.74E-23	2.50E-22	42.63959
ABCA5	-2.81581	5.757823	-12.8339	1.85E-23	2.65E-22	42.57497
TFDP3	-2.01126	6.417662	-12.8282	1.91E-23	2.73E-22	42.5456
ASB8	-2.03195	6.130533	-12.8257	1.93E-23	2.76E-22	42.53315
TBP	-2.24299	7.621944	-12.8238	1.95E-23	2.78E-22	42.52328
GDF10	-2.29802	6.33961	-12.8086	2.11E-23	2.99E-22	42.44549
COX20	-2.69185	6.710333	-12.7974	2.24E-23	3.16E-22	42.38812
ARFGAP3	-2.46563	7.705581	-12.7866	2.36E-23	3.33E-22	42.33315

PPEF1	-3.13003	5.773733	-12.766	2.63E-23	3.70E-22	42.22771
ANKRD55	-2.30038	6.049488	-12.7533	2.80E-23	3.93E-22	42.16295
STAG3L3	-2.91559	6.570129	-12.7406	2.99E-23	4.19E-22	42.09776
NPIPB15	-2.49974	7.628854	-12.7391	3.01E-23	4.21E-22	42.09036
13-Nov	-2.96713	6.532824	-12.708	3.53E-23	4.91E-22	41.93131
ETNK2	-2.62164	6.932527	-12.7008	3.67E-23	5.08E-22	41.89455
MARK4	-2.66006	8.027455	-12.6693	4.31E-23	5.94E-22	41.73321
AGBL5	-2.96728	8.03377	-12.6627	4.46E-23	6.13E-22	41.69917
SLC2A8	-2.29071	7.373873	-12.6624	4.46E-23	6.13E-22	41.69802
ELOVL2	-2.05933	5.653544	-12.6448	4.89E-23	6.68E-22	41.60752
TBPL1	-3.3523	8.29976	-12.5872	6.57E-23	8.88E-22	41.3126
TUBGCP5	-2.17248	4.753949	-12.5855	6.62E-23	8.95E-22	41.30392
SSX2IP	-2.48096	6.781884	-12.5797	6.82E-23	9.20E-22	41.27409
TEKT2	-2.36898	6.41064	-12.5791	6.84E-23	9.22E-22	41.2711
SKAP1	-2.57041	6.847066	-12.5774	6.90E-23	9.29E-22	41.26245
TMBIM4	-2.22458	8.08796	-12.5667	7.30E-23	9.77E-22	41.20734
OPLAH	-2.44262	6.546276	-12.562	7.47E-23	9.98E-22	41.18316
TCFL5	-4.5144	7.569513	-12.5399	8.37E-23	1.11E-21	41.06984
MKLN1	-2.01151	6.986061	-12.537	8.50E-23	1.13E-21	41.05481
CTAG2	-2.0897	5.89657	-12.5199	9.28E-23	1.23E-21	40.9674
KLHL12	-2.62105	7.132192	-12.5079	9.87E-23	1.30E-21	40.90573
AMZ2	-2.79889	9.060716	-12.5077	9.88E-23	1.30E-21	40.90457
ATP8A2	-2.42477	6.274294	-12.4934	1.06E-22	1.40E-21	40.83104
PRPH	-2.04804	8.256497	-12.4792	1.14E-22	1.50E-21	40.75834
ARHGAP19	-2.36644	6.774648	-12.4598	1.26E-22	1.66E-21	40.65854
RNF10	-2.20339	8.168638	-12.4556	1.29E-22	1.69E-21	40.6369
ITCH	-2.33747	7.299514	-12.4306	1.47E-22	1.91E-21	40.50877
CCSER2	-2.3001	7.745478	-12.3952	1.76E-22	2.28E-21	40.32664
PAK6	-3.34467	6.246423	-12.3892	1.82E-22	2.35E-21	40.29574
C12orf10	-2.52462	8.402792	-12.3885	1.82E-22	2.35E-21	40.29216
SLC35G2	-2.89577	6.988268	-12.3813	1.89E-22	2.44E-21	40.2554
CHODL	-4.59749	6.662978	-12.3712	1.99E-22	2.56E-21	40.20346
AKAP3	-4.71896	6.705648	-12.3666	2.04E-22	2.61E-21	40.1799
ZNF536	-2.11004	6.686155	-12.3651	2.06E-22	2.63E-21	40.17213
ADO	-2.72229	7.767231	-12.361	2.10E-22	2.68E-21	40.15069
ERI3	-2.01404	7.270218	-12.3552	2.16E-22	2.76E-21	40.12111
KHDRBS3	-3.86323	7.919214	-12.3535	2.18E-22	2.78E-21	40.11231
MYLK3	-2.94446	4.978365	-12.3533	2.19E-22	2.78E-21	40.11125
SMA4	-2.23784	5.871035	-12.3339	2.42E-22	3.05E-21	40.01138
CDKN2AIP	-2.38291	7.053067	-12.3226	2.56E-22	3.23E-21	39.95337
HGFAC	-2.31115	5.793434	-12.3008	2.87E-22	3.60E-21	39.84093
POLI	-3.5492	5.807773	-12.2928	2.99E-22	3.74E-21	39.79969
CRYBG3	-2.75857	8.054011	-12.2615	3.51E-22	4.38E-21	39.6387
GGNBP2	-2.21801	9.08485	-12.2399	3.92E-22	4.90E-21	39.52733
APOBEC3C	-2.36097	6.188143	-12.2204	4.34E-22	5.40E-21	39.42714
TPGS2	-2.36936	7.557351	-12.2041	4.72E-22	5.85E-21	39.34298
AP1G1	-2.4137	8.087507	-12.1997	4.83E-22	5.98E-21	39.32042
MRGBP	-3.25152	7.229256	-12.1816	5.30E-22	6.54E-21	39.22703
FAM46C	-3.54546	7.617991	-12.1765	5.44E-22	6.71E-21	39.20062

DEPDC1	-2.65912	6.065567	-12.1761	5.45E-22	6.71E-21	39.19874
MORC2	-2.26047	7.577988	-12.1649	5.78E-22	7.08E-21	39.14064
SNAP91	-3.16525	5.605191	-12.1337	6.79E-22	8.23E-21	38.97992
MBNL3	-3.96506	5.430772	-12.1255	7.08E-22	8.58E-21	38.93756
INPP4B	-2.38816	5.274204	-12.1043	7.90E-22	9.55E-21	38.82815
SLC4A1AP	-2.34683	7.666272	-12.0959	8.25E-22	9.95E-21	38.78484
APPBP2	-2.0915	6.360338	-12.0874	8.63E-22	1.04E-20	38.7406
C21orf91	-2.49419	7.025602	-12.0857	8.70E-22	1.05E-20	38.73206
IPO5	-2.57779	7.753367	-12.0795	8.99E-22	1.08E-20	38.7
GRB14	-3.58791	5.22481	-12.0742	9.24E-22	1.11E-20	38.67242
TPTE	-6.4765	6.113187	-12.0709	9.39E-22	1.12E-20	38.6555
MUM1	-2.68602	6.111931	-12.0692	9.48E-22	1.13E-20	38.64692
SPAG4	-2.5558	6.570452	-12.0501	1.05E-21	1.25E-20	38.54835
ELP5	-3.2857	7.928567	-12.0434	1.08E-21	1.29E-20	38.51373
TPP2	-2.20171	7.570691	-12.0379	1.11E-21	1.32E-20	38.48537
PPP1R9A	-2.39502	6.028965	-12.0298	1.16E-21	1.38E-20	38.44324
BRD1	-2.51602	8.235803	-12.0055	1.32E-21	1.56E-20	38.3178
IQCG	-3.87816	6.537882	-11.986	1.46E-21	1.72E-20	38.21707
RNF141	-2.52142	7.476306	-11.9856	1.46E-21	1.72E-20	38.21508
DCAF6	-3.04128	7.614657	-11.9695	1.59E-21	1.86E-20	38.13175
TBK1	-2.38214	8.043976	-11.9438	1.81E-21	2.12E-20	37.9985
TTC17	-2.46143	7.82732	-11.9281	1.97E-21	2.30E-20	37.91742
WDR19	-2.67736	7.02659	-11.8978	2.30E-21	2.67E-20	37.76045
MAP7	-2.53114	6.932597	-11.8864	2.44E-21	2.82E-20	37.70169
INPP1	-3.34469	7.974296	-11.8849	2.46E-21	2.84E-20	37.69417
GPX4	-2.54859	10.85576	-11.864	2.74E-21	3.15E-20	37.58573
TESC	-2.79754	6.765524	-11.8487	2.97E-21	3.39E-20	37.50661
DPY19L2P2	-2.74082	4.728539	-11.8397	3.11E-21	3.54E-20	37.45973
NAA35	-2.33493	6.480028	-11.8052	3.72E-21	4.20E-20	37.28144
PVRL3	-3.40779	5.526986	-11.7792	4.26E-21	4.78E-20	37.1466
POMT1	-2.20629	7.226705	-11.7613	4.67E-21	5.23E-20	37.05371
GOT1	-2.31352	7.745979	-11.7602	4.70E-21	5.25E-20	37.04818
PINK1	-2.65566	8.853122	-11.7368	5.31E-21	5.92E-20	36.92692
FAM178A	-2.35843	7.021474	-11.73	5.50E-21	6.12E-20	36.89142
RANGRF	-2.09781	8.363686	-11.7264	5.60E-21	6.23E-20	36.8726
STAT4	-2.59512	7.480874	-11.7163	5.91E-21	6.54E-20	36.82037
WT1	-3.53095	6.068619	-11.7043	6.29E-21	6.95E-20	36.75802
EHBP1	-2.18751	7.467853	-11.7013	6.38E-21	7.05E-20	36.74265
TOMM34	-2.12925	9.430301	-11.6839	6.99E-21	7.70E-20	36.65233
IPP	-2.23592	5.539766	-11.6804	7.12E-21	7.84E-20	36.63411
ZCCHC10	-2.09489	6.100868	-11.6619	7.84E-21	8.59E-20	36.53818
BNC1	-2.65424	5.755897	-11.6457	8.52E-21	9.30E-20	36.4544
KCNH2	-2.5403	7.622984	-11.6339	9.06E-21	9.87E-20	36.3929
CCDC53	-3.54073	8.185322	-11.6252	9.48E-21	1.03E-19	36.34801
NBR1	-2.1574	8.447522	-11.5428	1.46E-20	1.56E-19	35.91993
FBXL2	-2.42854	6.979617	-11.5166	1.67E-20	1.78E-19	35.78396
ACE2	-5.56901	5.709315	-11.4994	1.82E-20	1.94E-19	35.69447
LRRC23	-2.49715	7.407576	-11.4871	1.95E-20	2.06E-19	35.63064
CLEC16A	-2.04306	7.187924	-11.4572	2.27E-20	2.39E-19	35.47527

GUCA1A	-2.91915	6.527289	-11.4526	2.33E-20	2.45E-19	35.45133
CCNJL	-2.09338	6.721314	-11.437	2.53E-20	2.64E-19	35.37004
OXSM	-2.11001	7.472456	-11.4337	2.57E-20	2.68E-19	35.35287
NAA16	-2.37553	7.047833	-11.4336	2.57E-20	2.68E-19	35.35239
DHRS7B	-2.17375	7.350935	-11.4214	2.74E-20	2.86E-19	35.28906
CETN3	-4.12257	7.757154	-11.3899	3.23E-20	3.36E-19	35.12523
FBXW7	-2.03197	7.026739	-11.3866	3.28E-20	3.41E-19	35.10809
DR1	-2.02157	7.162363	-11.3705	3.57E-20	3.70E-19	35.02432
GLT8D1	-2.33682	7.593765	-11.3697	3.59E-20	3.71E-19	35.02014
IFT81	-2.79741	7.008297	-11.3685	3.61E-20	3.73E-19	35.01376
PDE1A	-3.22937	6.13915	-11.3575	3.82E-20	3.94E-19	34.95654
SCRG1	-5.52242	6.379317	-11.3511	3.95E-20	4.07E-19	34.92346
CMC2	-2.36581	8.716367	-11.3462	4.05E-20	4.17E-19	34.89771
ENOX1	-2.11973	5.312768	-11.346	4.06E-20	4.17E-19	34.89655
PDZD2	-4.15419	6.046142	-11.3375	4.24E-20	4.35E-19	34.85264
TRIM68	-2.14302	7.263476	-11.3296	4.42E-20	4.53E-19	34.81128
CALB2	-3.17209	6.504433	-11.3039	5.06E-20	5.16E-19	34.67746
OR7E37P	-2.07566	8.111595	-11.2818	5.67E-20	5.78E-19	34.56247
PKMYT1	-2.20687	8.476455	-11.2719	5.98E-20	6.06E-19	34.51087
WASF1	-3.80762	7.116781	-11.2564	6.48E-20	6.56E-19	34.43055
MLF1	-4.10484	7.730168	-11.2434	6.93E-20	7.01E-19	34.36245
PSMF1	-2.59182	7.896949	-11.2337	7.29E-20	7.35E-19	34.31186
KLHDC10	-2.55735	7.168686	-11.2199	7.84E-20	7.88E-19	34.24012
ERI2	-2.39505	6.34856	-11.1927	9.03E-20	9.06E-19	34.09848
LPIN1	-2.18443	7.411529	-11.1714	1.01E-19	1.01E-18	33.98751
GLUD2	-2.56116	6.413646	-11.1655	1.04E-19	1.04E-18	33.95663
KATNA1	-2.67407	7.632921	-11.1547	1.10E-19	1.09E-18	33.90037
AKTIP	-2.35125	8.327146	-11.1388	1.20E-19	1.18E-18	33.81751
TEX11	-2.08702	6.224687	-11.1332	1.23E-19	1.21E-18	33.78865
MBD2	-2.03065	6.842266	-11.1196	1.32E-19	1.30E-18	33.7178
CUL9	-2.00341	7.537639	-11.1191	1.33E-19	1.30E-18	33.71513
MAPK13	-2.6647	7.28666	-11.0667	1.74E-19	1.70E-18	33.44195
SCCPDH	-2.89751	7.8162	-11.0563	1.84E-19	1.79E-18	33.38787
MAMLD1	-2.9598	6.821176	-11.0527	1.88E-19	1.83E-18	33.36883
ANAPC10	-2.2611	6.363387	-11.0432	1.97E-19	1.92E-18	33.31943
EFHD2	-2.84827	8.123282	-11.0139	2.30E-19	2.23E-18	33.16668
HSD17B6	-2.59293	5.541565	-10.9941	2.55E-19	2.46E-18	33.06304
MEA1	-2.3344	10.05226	-10.9917	2.58E-19	2.48E-18	33.05075
SLC12A2	-2.23712	7.56787	-10.9773	2.78E-19	2.67E-18	32.9754
DERL2	-2.00682	8.434809	-10.9768	2.79E-19	2.67E-18	32.97289
CELSR2	-2.32426	7.487868	-10.9384	3.41E-19	3.24E-18	32.77275
CHIC2	-3.20156	8.014368	-10.9341	3.49E-19	3.31E-18	32.75012
RAB8B	-2.83383	7.301864	-10.9329	3.51E-19	3.33E-18	32.74389
CUL1	-2.1347	8.819086	-10.898	4.22E-19	3.96E-18	32.56176
PITRM1	-2.07299	8.370322	-10.8896	4.40E-19	4.13E-18	32.51812
RUVBL2	-2.49521	9.743672	-10.8893	4.41E-19	4.13E-18	32.51651
CEP76	-2.66089	6.303607	-10.8888	4.42E-19	4.14E-18	32.51357
TMEM8A	-2.69542	8.112835	-10.8801	4.63E-19	4.31E-18	32.46864
TBC1D8B	-2.3456	6.127877	-10.8778	4.69E-19	4.36E-18	32.45645

PRND	-5.16452	7.195613	-10.8774	4.69E-19	4.36E-18	32.45446
SECISBP2	-2.11635	7.577382	-10.8763	4.72E-19	4.38E-18	32.44844
SCML1	-3.68784	6.470735	-10.8616	5.10E-19	4.72E-18	32.37201
ME1	-2.10969	5.90673	-10.8605	5.13E-19	4.75E-18	32.36607
FOXG1	-2.72485	6.006477	-10.8565	5.24E-19	4.84E-18	32.34504
CDKN3	-4.16657	7.766756	-10.8515	5.38E-19	4.96E-18	32.31889
DDA1	-2.43356	7.413907	-10.8425	5.64E-19	5.19E-18	32.27206
FAF1	-2.13569	9.032568	-10.7992	7.07E-19	6.44E-18	32.04613
CRYZL1	-2.40522	6.461971	-10.7957	7.20E-19	6.55E-18	32.02773
EIF4ENIF1	-2.39623	7.949852	-10.7913	7.37E-19	6.70E-18	32.00489
EFHC1	-3.43146	6.831518	-10.7851	7.61E-19	6.92E-18	31.97234
KATNB1	-2.03036	7.195152	-10.7653	8.44E-19	7.66E-18	31.86908
TCEAL2	-4.80787	5.526902	-10.7434	9.47E-19	8.55E-18	31.75451
SOX3	-2.13685	5.471566	-10.7378	9.75E-19	8.79E-18	31.7253
HPCAL1	-2.51778	7.809094	-10.7315	1.01E-18	9.06E-18	31.69249
EXOC5	-3.81761	5.768183	-10.7212	1.06E-18	9.51E-18	31.6389
PAQR3	-2.49416	5.714011	-10.7191	1.08E-18	9.61E-18	31.6281
LIAS	-2.41428	6.352193	-10.6842	1.29E-18	1.14E-17	31.4456
RBKS	-2.08611	6.956408	-10.6689	1.40E-18	1.24E-17	31.36552
PCDH17	-2.74308	8.118123	-10.6603	1.46E-18	1.29E-17	31.32075
CITED1	-4.45785	7.413577	-10.6401	1.63E-18	1.43E-17	31.21542
UFSP2	-2.50678	7.429797	-10.6004	2.00E-18	1.75E-17	31.00777
FAM179B	-2.38192	6.738543	-10.5931	2.08E-18	1.82E-17	30.96963
TRIP12	-2.31394	10.01711	-10.591	2.10E-18	1.84E-17	30.9587
PAK3	-2.1617	7.0308	-10.5159	3.12E-18	2.68E-17	30.56615
DRG1	-2.05396	10.32891	-10.505	3.30E-18	2.83E-17	30.50951
UBE2M	-2.00908	8.193388	-10.4983	3.42E-18	2.93E-17	30.47468
NAALAD2	-2.67255	4.889647	-10.4708	3.95E-18	3.36E-17	30.33089
NXT2	-2.25109	7.005562	-10.4323	4.83E-18	4.05E-17	30.12978
ST6GALNA	-3.38491	7.645495	-10.4213	5.12E-18	4.28E-17	30.07195
CLCN3	-2.25451	7.233094	-10.4108	5.41E-18	4.51E-17	30.01713
PLXNC1	-2.22352	6.197943	-10.3918	5.98E-18	4.96E-17	29.91814
FAM13B	-2.77895	7.697355	-10.3874	6.12E-18	5.08E-17	29.89476
ORC3	-2.297	7.386033	-10.3782	6.42E-18	5.32E-17	29.847
FOXD1	-2.51	5.95833	-10.3642	6.91E-18	5.71E-17	29.77357
SPHK2	-2.02554	7.1982	-10.3386	7.90E-18	6.50E-17	29.63994
LRRC16A	-2.24163	6.935584	-10.3153	8.93E-18	7.31E-17	29.51803
MTCH2	-2.34605	9.883861	-10.3068	9.34E-18	7.63E-17	29.47351
HSPA2	-4.71122	8.160238	-10.3003	9.66E-18	7.88E-17	29.43955
PMS1	-3.33481	7.934786	-10.2992	9.71E-18	7.92E-17	29.43417
PSENNEN	-2.3083	8.143112	-10.2765	1.09E-17	8.89E-17	29.31525
IDH3A	-2.16828	7.268546	-10.2472	1.28E-17	1.03E-16	29.16253
SNAPC1	-3.21169	6.291715	-10.2441	1.30E-17	1.05E-16	29.146
LGALS8	-2.01464	6.546898	-10.2438	1.30E-17	1.05E-16	29.14481
GOLGA8N	-3.35705	8.679355	-10.1963	1.67E-17	1.33E-16	28.89654
EXD2	-2.27367	7.641176	-10.1885	1.74E-17	1.38E-16	28.85574
PELI2	-2.05061	6.85588	-10.1859	1.76E-17	1.40E-16	28.84211
C9orf40	-2.09935	5.4291	-10.1802	1.81E-17	1.44E-16	28.81235
KIZ	-2.79738	8.290273	-10.166	1.95E-17	1.55E-16	28.7382

MAGEA1	-2.07643	5.000747	-10.1552	2.07E-17	1.64E-16	28.68161
NBPF1	-2.41656	10.3121	-10.1429	2.20E-17	1.74E-16	28.61727
OTUD3	-2.12731	7.116203	-10.1222	2.46E-17	1.93E-16	28.50915
PIGF	-2.34137	7.335108	-10.1198	2.49E-17	1.95E-16	28.49695
LANCL1	-2.0336	8.497319	-10.0788	3.08E-17	2.40E-16	28.28259
SAC3D1	-3.11043	6.980867	-10.0591	3.42E-17	2.65E-16	28.17951
TEX264	-2.01055	7.560424	-10.0565	3.47E-17	2.68E-16	28.16589
WDR62	-2.20099	7.57003	-10.0326	3.93E-17	3.03E-16	28.04118
SNX16	-2.06931	5.294422	-10.0182	4.24E-17	3.25E-16	27.96596
CYB5R4	-2.45926	6.492716	-10.0041	4.56E-17	3.49E-16	27.89245
ASTN2	-2.74395	6.031523	-9.99912	4.68E-17	3.58E-16	27.86635
S100BPB	-2.7282	7.698309	-9.99601	4.76E-17	3.63E-16	27.85009
BCL2L14	-2.85606	7.38284	-9.99322	4.83E-17	3.68E-16	27.83554
UCHL3	-2.677	8.23552	-9.97607	5.29E-17	4.01E-16	27.74599
CYP26B1	-3.02589	6.018412	-9.95835	5.80E-17	4.38E-16	27.65347
GMCL1	-3.34836	6.818201	-9.91574	7.25E-17	5.43E-16	27.43098
USP25	-2.42947	8.287736	-9.91212	7.39E-17	5.52E-16	27.4121
JADE3	-2.45083	6.882776	-9.90567	7.65E-17	5.70E-16	27.37839
MKKS	-2.32993	7.513158	-9.89689	8.00E-17	5.97E-16	27.33258
LRRC6	-3.206	6.926246	-9.88886	8.35E-17	6.21E-16	27.29067
CCDC92	-3.23406	8.8057	-9.88829	8.37E-17	6.23E-16	27.28771
KLHL7	-2.93581	6.680079	-9.88311	8.60E-17	6.39E-16	27.26062
PBK	-4.11425	6.750395	-9.87652	8.91E-17	6.61E-16	27.22623
WHSC1	-2.29249	7.355711	-9.87169	9.14E-17	6.77E-16	27.20101
RPP38	-2.0723	8.268762	-9.86797	9.31E-17	6.90E-16	27.1816
MAGEB1	-3.41118	5.234599	-9.84668	1.04E-16	7.67E-16	27.07048
HDGFRP3	-2.02215	6.978299	-9.83946	1.08E-16	7.94E-16	27.03283
UPF2	-2.13684	7.793073	-9.82707	1.15E-16	8.45E-16	26.96815
C3orf14	-2.51846	7.923441	-9.82455	1.17E-16	8.55E-16	26.95501
OARD1	-2.79728	8.453244	-9.80517	1.29E-16	9.41E-16	26.85388
ME3	-2.26854	6.905687	-9.76256	1.62E-16	1.17E-15	26.63158
MRPS15	-2.09986	7.608518	-9.7328	1.89E-16	1.36E-15	26.47637
SECISBP2L	-2.01694	6.842973	-9.72878	1.93E-16	1.38E-15	26.45539
ZNF200	-2.4583	7.417871	-9.71792	2.04E-16	1.46E-15	26.39879
ZBTB18	-2.26067	6.648438	-9.70073	2.24E-16	1.59E-15	26.30914
PSMG1	-3.39061	7.928058	-9.70054	2.24E-16	1.59E-15	26.30812
AGO3	-2.57651	6.735115	-9.69665	2.29E-16	1.62E-15	26.28787
HSPBAP1	-2.38528	7.015492	-9.68868	2.38E-16	1.69E-15	26.24632
TTYH1	-2.82803	6.245635	-9.67842	2.51E-16	1.78E-15	26.19282
FAM208B	-2.47252	7.346785	-9.67329	2.58E-16	1.83E-15	26.16606
SLC6A1	-2.03499	4.904654	-9.66913	2.64E-16	1.87E-15	26.14439
SERPINB6	-2.44639	8.992268	-9.66654	2.68E-16	1.89E-15	26.13087
NDRG4	-3.71552	7.222099	-9.66344	2.72E-16	1.92E-15	26.11469
PPP2R3C	-2.82478	7.294466	-9.64828	2.94E-16	2.07E-15	26.03567
ANKRD27	-2.43188	7.576918	-9.64132	3.05E-16	2.15E-15	25.9994
AZGP1	-2.54443	4.933709	-9.6344	3.17E-16	2.22E-15	25.96336
SLC4A8	-2.83905	5.404658	-9.62136	3.39E-16	2.37E-15	25.8954
ATAD2	-2.67543	6.363684	-9.60534	3.69E-16	2.57E-15	25.8119
PENK	-4.53889	6.859934	-9.60083	3.77E-16	2.63E-15	25.78841

TCEA2	-2.89798	7.423572	-9.59217	3.95E-16	2.74E-15	25.74327
IFT57	-3.2223	7.007882	-9.57133	4.40E-16	3.04E-15	25.6347
DUSP22	-2.09452	8.752755	-9.56154	4.64E-16	3.19E-15	25.5837
FDXR	-2.80379	7.132537	-9.56142	4.64E-16	3.19E-15	25.58311
CLK4	-2.39771	7.240475	-9.55282	4.85E-16	3.33E-15	25.53831
RBBP8	-2.59294	8.24833	-9.55045	4.91E-16	3.37E-15	25.52594
GAS2L1	-2.07383	7.469758	-9.53797	5.24E-16	3.59E-15	25.46093
GPR18	-3.81334	5.569092	-9.53076	5.45E-16	3.73E-15	25.4234
AGPAT5	-2.12427	7.92709	-9.51478	5.92E-16	4.04E-15	25.34021
BAZ2B	-2.6702	7.978023	-9.50029	6.39E-16	4.34E-15	25.26476
RNF19B	-2.48818	8.544434	-9.49215	6.66E-16	4.52E-15	25.22241
FAM118A	-2.27433	6.821484	-9.48893	6.78E-16	4.59E-15	25.2056
DHX30	-2.00697	8.317692	-9.48578	6.89E-16	4.66E-15	25.18923
INHBB	-2.72563	7.803408	-9.47584	7.26E-16	4.90E-15	25.13747
RNF139	-2.26868	8.580242	-9.47244	7.39E-16	4.98E-15	25.1198
MAGEA11	-2.18498	4.880828	-9.46074	7.85E-16	5.28E-15	25.05891
BAZ1A	-3.1364	6.888605	-9.45794	7.97E-16	5.35E-15	25.04434
GSTM3	-5.24211	8.315584	-9.45489	8.10E-16	5.43E-15	25.02843
CAMLG	-2.21396	9.151725	-9.41346	1.01E-15	6.70E-15	24.81289
DBF4	-3.72518	7.26733	-9.40929	1.03E-15	6.84E-15	24.79119
TEX2	-2.08875	8.688247	-9.40225	1.07E-15	7.09E-15	24.75457
C1orf112	-2.54982	5.754484	-9.38571	1.16E-15	7.73E-15	24.66857
CAND2	-3.24966	6.991453	-9.38216	1.18E-15	7.87E-15	24.6501
SEPT10	-2.41195	7.343271	-9.35799	1.34E-15	8.91E-15	24.52444
KIF2C	-2.83644	8.168897	-9.32766	1.57E-15	1.04E-14	24.36681
MPC2	-2.59202	9.624644	-9.32545	1.59E-15	1.05E-14	24.35528
GLRX2	-2.19444	7.877584	-9.30816	1.74E-15	1.14E-14	24.26545
FZD3	-2.10144	4.998201	-9.26209	2.22E-15	1.44E-14	24.02618
MYOM2	-3.46171	5.964066	-9.2436	2.44E-15	1.57E-14	23.93016
COPS3	-2.16914	9.095187	-9.22991	2.62E-15	1.69E-14	23.85906
CLPX	-2.29764	6.262806	-9.22876	2.64E-15	1.69E-14	23.85314
POT1	-2.03	7.463872	-9.2045	2.99E-15	1.92E-14	23.72721
SPAG16	-2.71902	6.39743	-9.19985	3.07E-15	1.96E-14	23.70307
GULP1	-2.29084	6.286383	-9.17748	3.45E-15	2.19E-14	23.58703
DMRT1	-5.04921	5.777263	-9.15728	3.83E-15	2.43E-14	23.48224
C11orf49	-2.08519	7.721854	-9.14412	4.10E-15	2.60E-14	23.41402
NCAPH	-2.26329	7.781091	-9.14164	4.16E-15	2.63E-14	23.40116
ZCCHC2	-2.60049	6.445348	-9.1406	4.18E-15	2.64E-14	23.39577
BCCIP	-2.29789	7.33011	-9.13286	4.35E-15	2.74E-14	23.35561
KLK11	-2.4522	7.061603	-9.11909	4.67E-15	2.94E-14	23.28423
17-Nov	-2.15436	7.08807	-9.11657	4.74E-15	2.97E-14	23.27117
ISYNA1	-3.20877	8.121563	-9.10764	4.96E-15	3.10E-14	23.22487
DYNC1LI1	-2.42043	7.324287	-9.10644	4.99E-15	3.12E-14	23.21868
ALDH9A1	-2.1442	9.401508	-9.105	5.03E-15	3.14E-14	23.2112
DAZL	-5.53438	5.62249	-9.04239	6.97E-15	4.29E-14	22.88688
GTF2A2	-2.60757	9.678802	-9.03557	7.22E-15	4.44E-14	22.85161
RPL39L	-2.86658	7.872875	-9.01789	7.92E-15	4.85E-14	22.76007
FAM98A	-2.62002	8.86514	-9.01525	8.03E-15	4.91E-14	22.74641
KDM5B	-2.02799	8.159107	-9.00209	8.60E-15	5.24E-14	22.6783

TRMT1L	-2.18367	5.807997	-8.99907	8.73E-15	5.31E-14	22.6627
PSMD6	-2.10222	10.25866	-8.99696	8.83E-15	5.36E-14	22.65177
TBC1D15	-2.06899	7.804095	-8.98652	9.32E-15	5.65E-14	22.59776
CYP17A1	-3.22905	6.976927	-8.98607	9.35E-15	5.66E-14	22.59541
SAR1B	-2.69938	6.901569	-8.97226	1.00E-14	6.06E-14	22.524
PPARGC1A	-2.23171	5.052053	-8.97084	1.01E-14	6.10E-14	22.51664
ZNF516	-2.30812	5.797574	-8.95658	1.09E-14	6.54E-14	22.44291
FBXO3	-2.63843	6.459514	-8.9465	1.15E-14	6.87E-14	22.39079
EPB41L3	-2.86228	6.077781	-8.92829	1.26E-14	7.52E-14	22.29665
SEC61A2	-2.04215	6.794329	-8.92825	1.26E-14	7.52E-14	22.29646
MTA1	-2.00587	7.344095	-8.91314	1.37E-14	8.09E-14	22.21837
TUBG1	-3.24385	8.718989	-8.90708	1.41E-14	8.33E-14	22.18708
TMX4	-2.02779	7.209899	-8.90134	1.45E-14	8.57E-14	22.15742
NUCB2	-2.83555	7.926185	-8.89886	1.47E-14	8.68E-14	22.14459
NXF3	-4.02311	6.579229	-8.88405	1.59E-14	9.34E-14	22.06812
ACAT1	-2.38809	9.228279	-8.86866	1.72E-14	1.01E-13	21.98863
ASRGL1	-3.16158	9.178003	-8.86453	1.76E-14	1.03E-13	21.9673
CROCCP2	-2.07689	7.563855	-8.85096	1.89E-14	1.10E-13	21.89728
GPATCH2	-2.41758	7.241305	-8.84274	1.97E-14	1.15E-13	21.85485
ALG8	-2.20098	8.757474	-8.84151	1.98E-14	1.15E-13	21.84848
DPP8	-2.55467	8.43996	-8.81728	2.25E-14	1.30E-13	21.72349
G6PD	-2.01721	8.406353	-8.81708	2.25E-14	1.30E-13	21.72244
TPK1	-2.1472	6.208611	-8.75095	3.17E-14	1.80E-13	21.38152
SPATA20	-2.52975	9.035418	-8.74309	3.30E-14	1.87E-13	21.34103
ZNF318	-2.27159	7.307121	-8.74086	3.34E-14	1.89E-13	21.32955
MICAL2	-2.00934	7.182394	-8.73603	3.42E-14	1.93E-13	21.30467
HSD17B3	-2.92794	6.849714	-8.73211	3.49E-14	1.97E-13	21.28448
PPM1G	-2.12047	9.18293	-8.7314	3.51E-14	1.97E-13	21.28082
SNAP29	-2.00105	8.451324	-8.7257	3.61E-14	2.03E-13	21.2515
DAAM2	-2.28518	7.244164	-8.71905	3.74E-14	2.10E-13	21.21727
GYG1	-2.75772	9.387592	-8.70521	4.02E-14	2.25E-13	21.14602
SH3GL2	-2.23994	4.946381	-8.70153	4.09E-14	2.29E-13	21.12703
KLK5	-2.09104	6.106325	-8.69184	4.30E-14	2.41E-13	21.0772
MYO6	-2.20202	6.803444	-8.68547	4.45E-14	2.48E-13	21.0444
IL13RA2	-4.39636	6.202259	-8.6687	4.85E-14	2.70E-13	20.95811
PLP1	-3.71324	6.515239	-8.65809	5.13E-14	2.84E-13	20.90357
DDX43	-3.7577	5.727629	-8.63387	5.81E-14	3.20E-13	20.77903
SAP130	-2.07947	8.526207	-8.62284	6.15E-14	3.38E-13	20.72237
P4HTM	-2.06699	7.837344	-8.56316	8.38E-14	4.56E-13	20.41591
DNAJB9	-2.06317	7.066345	-8.56099	8.47E-14	4.61E-13	20.40473
STX8	-2.18747	8.574107	-8.54016	9.43E-14	5.09E-13	20.29787
OPTN	-2.18369	7.7864	-8.5384	9.52E-14	5.13E-13	20.28885
DACH1	-2.20715	5.238746	-8.52723	1.01E-13	5.42E-13	20.23158
FAM193A	-2.18534	8.711276	-8.51622	1.07E-13	5.72E-13	20.17509
TUBB4B	-2.3158	11.18815	-8.50911	1.11E-13	5.92E-13	20.13869
IFT20	-2.0684	8.474468	-8.49248	1.21E-13	6.42E-13	20.05344
MFF	-2.82016	7.758411	-8.47172	1.34E-13	7.12E-13	19.9471
RPS6KC1	-2.17271	7.811904	-8.47009	1.35E-13	7.17E-13	19.93876
LZTFL1	-2.71591	7.217201	-8.44534	1.54E-13	8.10E-13	19.81204

LPPR4	-2.28011	5.622485	-8.42991	1.67E-13	8.76E-13	19.73306
CHPT1	-2.29895	8.449571	-8.42131	1.74E-13	9.14E-13	19.68907
CLDND1	-2.65287	7.841659	-8.38666	2.08E-13	1.08E-12	19.51192
LRRN3	-2.96795	7.103697	-8.38011	2.15E-13	1.12E-12	19.47843
APPL2	-2.21083	6.354928	-8.35731	2.42E-13	1.25E-12	19.36196
MAGEH1	-2.44923	8.005143	-8.34881	2.53E-13	1.30E-12	19.31858
NUP155	-2.94749	8.058575	-8.33377	2.73E-13	1.40E-12	19.24179
ORC2	-2.42639	7.190769	-8.33287	2.75E-13	1.41E-12	19.23718
SPDL1	-2.33877	7.174732	-8.33031	2.78E-13	1.42E-12	19.22411
SMC6	-2.30765	8.55665	-8.30937	3.10E-13	1.58E-12	19.11731
INPP5A	-2.04016	8.980676	-8.30105	3.23E-13	1.64E-12	19.07488
SPECC1L	-2.00441	8.500607	-8.24676	4.27E-13	2.14E-12	18.79819
MYL6B	-2.63512	9.424729	-8.23432	4.55E-13	2.27E-12	18.73485
UAP1	-2.68945	9.092888	-8.22147	4.86E-13	2.42E-12	18.66948
NCAPG2	-2.24636	7.584476	-8.19161	5.67E-13	2.80E-12	18.51756
PTBP2	-2.26269	7.762618	-8.17492	6.18E-13	3.04E-12	18.43272
PDP1	-2.22364	7.515419	-8.14541	7.18E-13	3.51E-12	18.28283
IPO4	-2.05885	7.85957	-8.13884	7.43E-13	3.63E-12	18.24948
PON3	-2.52524	7.299418	-8.1317	7.70E-13	3.76E-12	18.21325
TKTL1	-5.10202	6.972325	-8.12745	7.87E-13	3.84E-12	18.19165
TAF5	-2.43888	7.528827	-8.12702	7.89E-13	3.84E-12	18.18948
ZWILCH	-3.34558	7.48216	-8.10604	8.78E-13	4.27E-12	18.08305
FBXL5	-2.02932	8.187182	-8.10421	8.87E-13	4.30E-12	18.07375
KDM3A	-2.16869	8.980192	-8.09063	9.50E-13	4.60E-12	18.00488
CCDC90B	-2.07798	8.670911	-8.07934	1.01E-12	4.85E-12	17.94767
PRKCZ	-2.78246	8.351493	-8.06893	1.06E-12	5.09E-12	17.89494
C16orf45	-2.40727	7.044653	-8.06892	1.06E-12	5.09E-12	17.8949
CYB5R1	-2.33501	8.678874	-8.06028	1.11E-12	5.31E-12	17.85112
TRAPPC8	-2.47542	9.301498	-8.05104	1.16E-12	5.55E-12	17.8043
USP32P2	-3.01228	8.054174	-8.03027	1.29E-12	6.15E-12	17.6992
EPHA4	-2.13172	7.931846	-8.02665	1.32E-12	6.25E-12	17.68089
REEP1	-3.6226	8.303914	-8.01817	1.38E-12	6.51E-12	17.63795
DNAJB1	-2.37681	9.113874	-8.01517	1.40E-12	6.60E-12	17.62277
GATM	-3.43404	6.55153	-8.01165	1.42E-12	6.72E-12	17.605
VLDLR	-2.16187	5.961541	-8.00275	1.49E-12	7.01E-12	17.56001
SERPINA5	-4.86851	8.263411	-7.98743	1.61E-12	7.56E-12	17.48253
SYPL1	-2.25911	8.846296	-7.97424	1.72E-12	8.07E-12	17.4159
LIPT1	-2.08398	7.222402	-7.95818	1.87E-12	8.74E-12	17.33482
SLC47A1	-3.08673	7.251039	-7.93151	2.14E-12	9.95E-12	17.20021
LRIF1	-2.84871	6.926963	-7.91493	2.33E-12	1.08E-11	17.11663
BAG2	-2.65636	6.212356	-7.88346	2.73E-12	1.26E-11	16.95803
SLC27A6	-2.86141	5.284249	-7.87638	2.83E-12	1.30E-11	16.92241
DMTF1	-2.14593	8.485447	-7.84388	3.34E-12	1.52E-11	16.75884
KIFAP3	-2.57147	8.033704	-7.8241	3.69E-12	1.67E-11	16.6594
PPFIBP2	-2.70124	7.343505	-7.81676	3.83E-12	1.73E-11	16.62253
PLEKHO1	-2.1954	8.007821	-7.81003	3.97E-12	1.79E-11	16.58874
GSTA1	-2.44237	7.207584	-7.80352	4.10E-12	1.84E-11	16.55603
DDX3Y	-2.34331	7.434055	-7.80308	4.11E-12	1.85E-11	16.5538
BBX	-2.30523	8.822519	-7.79097	4.37E-12	1.96E-11	16.493

AGPS	-2.57493	7.259776	-7.77814	4.66E-12	2.08E-11	16.42862
HMMR	-2.15694	7.596656	-7.76809	4.90E-12	2.19E-11	16.37822
HSPA14	-2.37203	7.983952	-7.76631	4.95E-12	2.21E-11	16.36927
CENPU	-3.9127	8.226557	-7.75858	5.15E-12	2.29E-11	16.33053
RNF219	-2.05834	6.603569	-7.74726	5.45E-12	2.42E-11	16.27376
YIPF5	-2.07146	6.584684	-7.73789	5.71E-12	2.53E-11	16.22684
CAPRIN1	-2.2749	9.228806	-7.70974	6.59E-12	2.90E-11	16.08587
USP1	-2.3942	8.589212	-7.70942	6.60E-12	2.90E-11	16.08427
ARNT2	-2.3629	6.648159	-7.65789	8.56E-12	3.73E-11	15.8266
NEK2	-3.09326	7.104158	-7.65274	8.78E-12	3.82E-11	15.80086
VPS26A	-2.12621	9.585429	-7.6237	1.02E-11	4.40E-11	15.65592
SUV420H1	-2.01335	8.002622	-7.61063	1.09E-11	4.68E-11	15.59074
PTTG1	-2.38351	10.21653	-7.60576	1.11E-11	4.79E-11	15.56645
UBL3	-2.03673	7.62229	-7.58038	1.26E-11	5.41E-11	15.44002
ELAVL4	-2.00841	6.225927	-7.57663	1.29E-11	5.50E-11	15.42136
COPS4	-2.36502	8.626308	-7.5662	1.36E-11	5.79E-11	15.36942
ACSL4	-2.0381	5.740973	-7.55169	1.46E-11	6.21E-11	15.29721
PRKCDBP	-2.13885	7.257692	-7.54511	1.51E-11	6.40E-11	15.26449
EMC7	-2.04909	8.839924	-7.52812	1.64E-11	6.95E-11	15.18002
EMC2	-2.23571	7.799532	-7.52782	1.65E-11	6.96E-11	15.17853
MTCL1	-2.20488	7.507619	-7.52698	1.65E-11	6.98E-11	15.17436
WBSCR22	-2.29125	9.50891	-7.51661	1.74E-11	7.34E-11	15.12283
NDC80	-2.33869	6.180552	-7.5035	1.86E-11	7.81E-11	15.05774
DDX39A	-2.42822	9.340401	-7.47597	2.14E-11	8.93E-11	14.92119
PLXDC2	-2.12951	5.897319	-7.46761	2.23E-11	9.29E-11	14.87969
AASDHPT	-2.00327	8.343483	-7.46665	2.24E-11	9.33E-11	14.87494
KTN1	-2.09874	9.307066	-7.45794	2.34E-11	9.72E-11	14.83181
JAM2	-2.64437	7.685143	-7.43932	2.57E-11	1.06E-10	14.73957
GPR56	-2.16247	7.784203	-7.39865	3.14E-11	1.29E-10	14.5384
SUCO	-2.11541	8.304891	-7.38817	3.31E-11	1.35E-10	14.4866
FDFT1	-2.0032	9.725815	-7.3805	3.44E-11	1.41E-10	14.44874
LOC10027	-2.49925	7.420718	-7.3437	4.14E-11	1.67E-10	14.26717
SLBP	-2.50661	8.596062	-7.33897	4.24E-11	1.71E-10	14.24386
COMMD8	-2.19467	8.037542	-7.29872	5.18E-11	2.07E-10	14.04562
PRKRA	-2.18315	7.958351	-7.26501	6.12E-11	2.43E-10	13.8799
ACTL6A	-2.52885	7.089696	-7.24722	6.68E-11	2.65E-10	13.79255
OSR2	-3.38999	5.468096	-7.23986	6.93E-11	2.74E-10	13.75647
TIPIN	-2.42592	6.378712	-7.16066	1.03E-10	3.99E-10	13.3686
EIF1B	-2.29258	9.255576	-7.14494	1.11E-10	4.30E-10	13.2918
MAGEA4	-3.23023	5.142249	-7.10447	1.35E-10	5.20E-10	13.09439
TSPYL4	-2.38763	7.98285	-7.08512	1.49E-10	5.71E-10	13.00012
MTX2	-2.04407	8.29751	-7.0846	1.49E-10	5.72E-10	12.9976
KRT23	-3.50895	6.238397	-7.06732	1.63E-10	6.22E-10	12.91348
CTR9	-2.00341	8.32876	-7.06306	1.66E-10	6.35E-10	12.89274
18-Nov	-2.27572	7.673856	-7.05484	1.73E-10	6.60E-10	12.8528
ZBTB38	-2.08848	8.570724	-7.04583	1.81E-10	6.88E-10	12.80901
ASAP2	-2.98401	7.599704	-7.04162	1.85E-10	7.02E-10	12.78855
STK39	-2.5526	7.445985	-7.01759	2.08E-10	7.85E-10	12.67189
TUBA4A	-2.07796	7.910118	-7.00844	2.17E-10	8.19E-10	12.62751

NACC2	-2.09757	6.62777	-6.98301	2.46E-10	9.24E-10	12.50427
HPRT1	-2.34855	9.494672	-6.96477	2.69E-10	1.01E-09	12.41601
WDR47	-2.59241	7.286883	-6.93626	3.10E-10	1.15E-09	12.27817
TDRD7	-2.21576	7.829795	-6.87013	4.28E-10	1.56E-09	11.95931
TACC3	-2.13887	8.302321	-6.83048	5.19E-10	1.87E-09	11.76868
RRAGD	-2.01396	7.06936	-6.81757	5.52E-10	1.99E-09	11.70676
TMEM97	-2.1322	9.077304	-6.81179	5.68E-10	2.04E-09	11.67898
EZH2	-2.3915	6.838666	-6.81021	5.72E-10	2.06E-09	11.67143
FAM184A	-2.38164	7.739745	-6.80709	5.81E-10	2.09E-09	11.65646
WRB	-2.15444	8.539266	-6.76738	7.05E-10	2.51E-09	11.46628
ALDH1A1	-3.85654	7.003832	-6.72048	8.85E-10	3.11E-09	11.24221
HLTF	-2.56126	8.792803	-6.70448	9.56E-10	3.34E-09	11.16592
GMPR	-2.78716	7.58334	-6.6984	9.84E-10	3.44E-09	11.13695
FANCI	-2.04653	7.693094	-6.68968	1.03E-09	3.58E-09	11.09541
PNMAL1	-3.07742	7.670076	-6.67618	1.10E-09	3.80E-09	11.03119
DGAT1	-2.12843	7.281941	-6.60904	1.51E-09	5.19E-09	10.7124
TOPBP1	-2.22868	8.225667	-6.60856	1.52E-09	5.20E-09	10.71015
CEP70	-2.01066	7.300669	-6.56343	1.88E-09	6.38E-09	10.49668
SHCBP1	-2.01141	6.121678	-6.54919	2.02E-09	6.79E-09	10.42945
AMIGO2	-2.62041	7.104855	-6.47232	2.91E-09	9.65E-09	10.06759
TNFAIP6	-2.04876	6.404106	-6.46875	2.96E-09	9.81E-09	10.05083
ZFAND6	-2.01044	9.685287	-6.45304	3.19E-09	1.05E-08	9.977114
GSPT2	-2.1429	7.735853	-6.44991	3.24E-09	1.07E-08	9.962456
PTGDS	-3.93814	9.980781	-6.405	4.01E-09	1.31E-08	9.752264
MAP3K5	-2.04088	7.135865	-6.40479	4.02E-09	1.31E-08	9.751256
GFPT1	-2.05095	8.65783	-6.3354	5.58E-09	1.80E-08	9.427807
KIAA1598	-2.26937	7.057354	-6.32398	5.89E-09	1.89E-08	9.374726
INSL3	-4.42578	6.558794	-6.31018	6.29E-09	2.01E-08	9.310633
CDO1	-2.84059	6.633815	-6.27472	7.43E-09	2.36E-08	9.146257
PRPS2	-2.89243	7.600258	-6.26428	7.81E-09	2.47E-08	9.097929
SLC46A3	-2.09237	7.384887	-6.25791	8.04E-09	2.55E-08	9.068457
KNTC1	-2.01775	7.392082	-6.21054	1.00E-08	3.15E-08	8.849815
MANSC1	-2.14498	6.148295	-6.18559	1.13E-08	3.52E-08	8.734996
CNN1	-2.38906	7.699907	-6.1828	1.14E-08	3.57E-08	8.722148
NEFM	-3.18888	6.060853	-6.17155	1.21E-08	3.75E-08	8.670456
KLF11	-2.01567	7.951182	-6.15666	1.29E-08	4.00E-08	8.602121
SERPINI1	-2.19409	6.774631	-6.14825	1.34E-08	4.16E-08	8.563526
CPE	-2.83115	7.742035	-6.08894	1.77E-08	5.41E-08	8.2922
SMARCA1	-2.04022	7.197794	-6.0611	2.02E-08	6.13E-08	8.165291
PLK2	-2.92386	7.124713	-6.01996	2.44E-08	7.36E-08	7.978269
CLU	-3.6792	8.392444	-5.98929	2.81E-08	8.42E-08	7.839256
LOC72839	-2.34093	7.992796	-5.98862	2.82E-08	8.44E-08	7.836217
NAP1L3	-2.78795	6.924249	-5.98037	2.93E-08	8.75E-08	7.798878
TUBB4A	-2.77533	7.63117	-5.97945	2.94E-08	8.78E-08	7.794717
PLA2G16	-2.43683	8.79257	-5.97056	3.06E-08	9.12E-08	7.754521
TIPARP	-2.34519	8.580721	-5.94695	3.42E-08	1.01E-07	7.647927
ID4	-2.01151	7.084823	-5.9073	4.10E-08	1.20E-07	7.469402
IMPA1	-2.16396	9.397146	-5.86775	4.91E-08	1.43E-07	7.291894
OIP5	-2.67838	7.592619	-5.84926	5.34E-08	1.55E-07	7.209155

PJA2	-2.04962	8.265318	-5.8395	5.59E-08	1.61E-07	7.16552
TSPYL5	-3.09596	8.445149	-5.82985	5.84E-08	1.68E-07	7.122386
DHRS11	-2.04565	6.955527	-5.81173	6.34E-08	1.82E-07	7.041569
SOX9	-3.72017	7.824546	-5.75956	8.04E-08	2.28E-07	6.809563
KIF5C	-2.48862	8.054207	-5.75796	8.09E-08	2.29E-07	6.80245
MAGEA12	-3.33174	5.650704	-5.7569	8.13E-08	2.31E-07	6.797746
RFWD3	-2.0142	6.28938	-5.75264	8.29E-08	2.35E-07	6.778876
GATA4	-2.55034	6.267544	-5.75024	8.38E-08	2.37E-07	6.768221
HOPX	-3.12422	7.68764	-5.71024	1.00E-07	2.82E-07	6.591224
ZBTB20	-2.07548	6.952077	-5.70154	1.04E-07	2.92E-07	6.552855
CCNB2	-2.3996	8.996931	-5.69427	1.08E-07	3.02E-07	6.520745
RASSF2	-2.17363	7.972304	-5.69123	1.09E-07	3.05E-07	6.507377
HMGCS2	-3.4625	7.37523	-5.66582	1.23E-07	3.40E-07	6.395496
TTK	-3.12199	7.650454	-5.65352	1.30E-07	3.59E-07	6.341404
AKAP12	-3.05388	9.52255	-5.64542	1.34E-07	3.72E-07	6.305852
PNMA1	-2.16532	9.212116	-5.62254	1.49E-07	4.10E-07	6.205545
CKM	-2.12539	5.959221	-5.61746	1.52E-07	4.18E-07	6.183308
STAR	-3.43244	6.97624	-5.5971	1.67E-07	4.56E-07	6.094274
ABCA8	-3.34075	6.586929	-5.58128	1.79E-07	4.87E-07	6.02522
SLC6A8	-2.1115	8.610079	-5.55607	2.00E-07	5.43E-07	5.915394
FHL1	-2.30185	7.314716	-5.5533	2.03E-07	5.49E-07	5.903328
SOBP	-2.56449	7.524569	-5.487	2.72E-07	7.27E-07	5.615877
PRKCB	-2.10393	6.719317	-5.40416	3.92E-07	1.03E-06	5.259512
MSMO1	-2.23483	7.788943	-5.39191	4.14E-07	1.08E-06	5.207081
SPOCK1	-2.64704	7.82393	-5.36121	4.73E-07	1.23E-06	5.075937
LIPG	-2.07789	6.106003	-5.35242	4.92E-07	1.28E-06	5.038511
MAGEA6	-3.92674	5.805993	-5.34962	4.98E-07	1.29E-06	5.026561
TSC22D1	-2.13656	10.07381	-5.32402	5.57E-07	1.44E-06	4.917714
CEP55	-2.36038	7.769067	-5.29576	6.30E-07	1.62E-06	4.797856
CADM1	-2.16643	8.30294	-5.2594	7.37E-07	1.88E-06	4.644279
SYNGR3	-2.02199	7.211632	-5.21794	8.82E-07	2.22E-06	4.469883
MOK	-2.60475	7.658229	-5.21017	9.12E-07	2.29E-06	4.437271
NPTX2	-3.00192	7.682805	-5.18681	1.01E-06	2.52E-06	4.339446
TOP2A	-2.52687	8.233182	-5.13744	1.25E-06	3.08E-06	4.133597
DONSON	-2.11241	7.169969	-5.12153	1.33E-06	3.28E-06	4.067517
PFKP	-2.00225	9.102797	-5.07612	1.62E-06	3.95E-06	3.879586
PRKAR2B	-2.39151	7.933922	-5.04172	1.87E-06	4.53E-06	3.737914
MAGEB2	-3.11128	6.67465	-4.99931	2.24E-06	5.37E-06	3.564103
NUDT11	-2.4089	8.944003	-4.96714	2.56E-06	6.09E-06	3.432814
CYP11A1	-2.579	6.463185	-4.96163	2.62E-06	6.23E-06	3.410383
SLC7A5	-2.0454	9.412779	-4.87702	3.73E-06	8.68E-06	3.06799
KCNV2	-2.37555	5.271977	-4.84155	4.32E-06	1.00E-05	2.925525
PLSCR4	-2.12207	7.93356	-4.8414	4.32E-06	1.00E-05	2.924931
NUPR1	-2.04787	7.690274	-4.82254	4.67E-06	1.08E-05	2.849472
TJP2	-2.41226	7.939721	-4.80978	4.93E-06	1.13E-05	2.798517
PRAME	-2.78973	7.839782	-4.80585	5.01E-06	1.15E-05	2.782846
CST3	-2.02111	10.56235	-4.75554	6.15E-06	1.40E-05	2.582957
HERC5	-2.92666	8.522217	-4.49515	1.75E-05	3.76E-05	1.570659
PRC1	-2.05255	8.549199	-4.43909	2.19E-05	4.64E-05	1.357785

PEG3	-2.81422	7.666541	-4.37964	2.76E-05	5.80E-05	1.134063
CKS2	-2.26252	9.644786	-4.36151	2.96E-05	6.18E-05	1.066245
DDAH1	-2.43731	9.085944	-4.3413	3.20E-05	6.66E-05	0.99088
PEG10	-2.07669	8.536305	-4.252	4.52E-05	9.21E-05	0.660858
PLAT	-2.21829	7.074586	-4.19488	5.62E-05	0.000113	0.452352
CPEB1	-2.27391	8.401875	-4.08797	8.39E-05	0.000165	0.067544
BUB1B	-2.09309	8.414691	-3.93537	0.000147	0.00028	-0.46907
SERPINF1	-2.24983	10.00226	-3.76462	0.000272	0.0005	-1.05124
APOA1	-3.34534	8.452587	-3.74318	0.000293	0.000537	-1.12297
CTSV	-2.2188	9.189896	-3.69979	0.000341	0.00062	-1.26711
BEX1	-2.44118	9.625111	-3.23478	0.001616	0.002671	-2.7279

TCGA DOWN-DEGs						Venn gene
AACSP1	ENSG00000100000	0.03	6.99	-2.956	2.87E-78	SPACA1
AADACL2	ENSG00000100000	0.3	5.48	-2.317	4.96E-54	LINC00588
AANAT	ENSG00000100000	0.31	6.63	-2.542	3.71E-62	RNFT1
AARD	ENSG00000100000	2.72	26.13	-2.867	1.01E-45	RIBC2
AATBC	ENSG00000100000	0.56	8.28	-2.573	1.45E-36	KPNA5
ABAT	ENSG00000100000	3.38	17.019	-2.041	1.61E-35	ZNF280B
ABCA10	ENSG00000100000	0.53	14.5	-3.341	2.82E-97	DNAI2
ABCA17P	ENSG00000100000	0.68	76.478	-5.527	2.57E-90	NACA2
ABCA5	ENSG00000100000	3.57	25.451	-2.533	9.80E-69	MORC1
ABCA8	ENSG00000100000	0.79	33.24	-4.258	1.03E-75	GPR137
ABCB11	ENSG00000100000	0	3.55	-2.186	9.74E-52	ADAM18
ABCB6	ENSG00000100000	13.47	60.989	-2.099	4.77E-54	ADGB
ABCB9	ENSG00000100000	4.27	24.75	-2.289	4.96E-69	ADCY10
ABCC11	ENSG00000100000	0.14	5.2	-2.443	4.42E-74	CCDC70
ABCC12	ENSG00000100000	0.72	15.49	-3.261	3.41E-44	SPO11
ABCG4	ENSG00000100000	0.47	9.34	-2.814	6.03E-58	RNF32
ABHD1	ENSG00000100000	0.44	131.297	-6.522	4.92E-86	C11orf63
ABHD16B	ENSG00000100000	0	19.86	-4.383	1.79E-52	ADAM2
ABHD2	ENSG00000100000	8.46	71.258	-2.933	3.40E-45	PAPOLB
ABHD8	ENSG00000100000	3.63	58.569	-3.685	3.12E-67	LINC00837
ABLIM1	ENSG00000100000	6.22	33.18	-2.243	1.09E-44	BTG4
ABO	ENSG00000100000	0.27	8.83	-2.952	1.18E-69	DPY19L1P
AC000036	ENSG00000100000	0.05	13.12	-3.749	4.22E-57	LDHAL6B
AC000099	ENSG00000100000	0	3.28	-2.098	1.35E-42	SCIN
AC001226	ENSG00000100000	0.09	3.41	-2.016	9.03E-95	GLB1L
AC002056	ENSG00000100000	0	3.39	-2.134	1.20E-41	CEP112
AC002064	ENSG00000100000	0	15.63	-4.056	3.19E-66	ATXN3L
AC002115	ENSG00000100000	0	25.47	-4.726	1.84E-70	RPGRIP1
AC002117	ENSG00000100000	0	4.49	-2.457	1.55E-57	SYNGR4
AC002310	ENSG00000100000	0.6	20.031	-3.716	1.86E-71	SPATA1
AC002465	ENSG00000100000	0	5.89	-2.784	1.20E-51	SOX30
AC002467	ENSG00000100000	5.34	99.988	-3.994	1.36E-64	TEX12
AC003075	ENSG00000100000	0.24	12.35	-3.428	1.95E-78	CCDC88A
AC003688	ENSG00000100000	0	8.43	-3.237	2.45E-08	CYLC1
AC003973	ENSG00000100000	0	3.54	-2.183	5.54E-52	UBQLN3
AC003991	ENSG00000100000	0.18	4.67	-2.265	1.76E-48	GRK4
AC004009	ENSG00000100000	0	18.67	-4.298	6.42E-66	CCDC186
AC004070	ENSG00000100000	0	13.36	-3.844	9.23E-56	CYLC2
AC004221	ENSG00000100000	0.05	6.19	-2.776	4.47E-82	ERO1LB
AC004381	ENSG00000100000	4.06	279.653	-5.794	2.68E-83	GAPDHS
AC004448	ENSG00000100000	0.27	14.05	-3.567	3.24E-63	AURKC
AC004471	ENSG00000100000	0.1	3.47	-2.023	6.38E-77	GPC5
AC004510	ENSG00000100000	0	7.82	-3.141	1.10E-67	CARF
AC004623	ENSG00000100000	0.88	7.33	-2.148	5.21E-78	LINC00342
AC004692	ENSG00000100000	0	4.37	-2.425	8.10E-50	SPATA31C
AC004862	ENSG00000100000	0	5.35	-2.667	8.68E-46	C20orf195
AC004869	ENSG00000100000	0	4.04	-2.333	1.79E-57	C6orf10

AC005008. ENSG00000	0	3.36	-2.124	5.65E-49	IQCK
AC005009. ENSG00000	0	3.57	-2.192	3.22E-53	CAMK4
AC005076. ENSG00000	3.81	33.77	-2.854	2.63E-48	ART3
AC005077. ENSG00000	0.19	13.65	-3.622	3.18E-89	RFPL3S
AC005077. ENSG00000	0	3.38	-2.131	1.38E-47	AKAP4
AC005324. ENSG00000	0	3.07	-2.025	1.70E-50	CCHCR1
AC005324. ENSG00000	0	7.42	-3.074	8.60E-46	IRGC
AC005391. ENSG00000	0	4.5	-2.459	8.53E-49	TSSK2
AC005481. ENSG00000	0.05	3.41	-2.07	4.46E-100	GK2
AC005522. ENSG00000	0	7.33	-3.058	4.22E-61	NME8
AC005523. ENSG00000	0.14	6.68	-2.752	1.98E-64	CBLN1
AC005754. ENSG00000	0.08	70.722	-6.053	5.10E-76	CCIN
AC005808. ENSG00000	0.16	4.83	-2.329	1.55E-42	USP2
AC006014. ENSG00000	0.56	75.18	-5.61	2.88E-89	PPP1R2P9
AC006019. ENSG00000	0.17	64.52	-5.807	1.50E-52	ADD3-AS1
AC006116. ENSG00000	0.15	5.02	-2.388	3.36E-73	PRKAA1
AC006116. ENSG00000	0.41	6.14	-2.34	3.98E-48	ALLC
AC006153. ENSG00000	0	17.71	-4.226	4.23E-62	C16orf95
AC006272. ENSG00000	0.21	5.45	-2.414	2.99E-81	TEX28
AC006277. ENSG00000	0.51	11.29	-3.025	2.09E-61	MYT1L
AC006538. ENSG00000	1.22	8.07	-2.03	2.79E-50	COIL
AC006547. ENSG00000	0.15	63.53	-5.81	2.82E-80	CT62
AC006942. ENSG00000	0.65	47.251	-4.87	7.93E-90	RFX2
AC006946. ENSG00000	0.1	16.999	-4.032	5.48E-62	MROH7
AC007000. ENSG00000	0	10.52	-3.526	2.10E-13	PRPS1L1
AC007009. ENSG00000	0.01	5.67	-2.723	8.12E-58	TNP2
AC007040. ENSG00000	0	3.52	-2.176	2.57E-50	C9orf9
AC007131. ENSG00000	0	9.7	-3.42	9.59E-60	PSORS1C1
AC007163. ENSG00000	0.03	7.13	-2.981	1.42E-63	GPR135
AC007249. ENSG00000	0.23	7.15	-2.728	2.50E-53	HSPA1L
AC007391. ENSG00000	0	6	-2.807	2.63E-54	TTLL7
AC007392. ENSG00000	0	4.65	-2.498	3.34E-44	PMFBP1
AC007392. ENSG00000	0	3.53	-2.18	1.84E-42	ZBTB32
AC007403. ENSG00000	0	3.03	-2.011	7.39E-35	LRRC36
AC007463. ENSG00000	0	6.15	-2.838	9.45E-53	FBXO24
AC007557. ENSG00000	0	596.673	-9.223	5.73E-74	POM121L9
AC007557. ENSG00000	0	7.58	-3.101	1.60E-57	AQP5
AC007557. ENSG00000	0	8.98	-3.319	1.20E-55	ZC2HC1C
AC007557. ENSG00000	0	16.93	-4.164	5.44E-61	KDM4D
AC007563. ENSG00000	0	4.16	-2.367	4.87E-57	ZNRF4
AC007566. ENSG00000	0.85	11.55	-2.762	2.13E-84	ACRV1
AC007879. ENSG00000	0.97	9.93	-2.472	3.57E-47	ZSCAN5A
AC007879. ENSG00000	0.34	6.35	-2.456	1.38E-56	CTAGE1
AC007966. ENSG00000	0.04	3.58	-2.139	2.49E-37	NOL4
AC008073. ENSG00000	0	6.65	-2.935	1.05E-76	LRRC48
AC008079. ENSG00000	0	23.811	-4.633	1.57E-70	TSGA10
AC008088. ENSG00000	0.66	34.811	-4.431	1.57E-73	RDH8
AC008132. ENSG00000	0.04	192.951	-7.543	5.93E-88	CATSPERC
AC008132. ENSG00000	0.03	11.64	-3.617	5.44E-65	APH1B

AC008427. ENSG00000	0	8.32	-3.22	7.38E-53	GRAMD1C
AC008694. ENSG00000	0	35.74	-5.199	1.38E-76	SLCO3A1
AC009120. ENSG00000	0.11	4.59	-2.332	1.16E-69	SNX19
AC009120. ENSG00000	4.18	22.33	-2.171	4.29E-66	MNS1
AC009133. ENSG00000	0	4.07	-2.342	8.71E-19	SYCP2
AC009158. ENSG00000	0	7.1	-3.018	4.58E-58	VPRBP
AC009299. ENSG00000	0.09	10.79	-3.435	9.45E-60	LRIT1
AC009303. ENSG00000	0	3.59	-2.199	7.91E-46	HIRIP3
AC009365. ENSG00000	0	6.73	-2.95	3.34E-58	PACRG
AC009411. ENSG00000	0	9.43	-3.383	4.04E-57	ZCCHC14
AC009473. ENSG00000	0.15	10.6	-3.334	3.76E-68	IZUMO4
AC009487. ENSG00000	0	41.859	-5.422	2.00E-68	TEX15
AC009505. ENSG00000	0	3.2	-2.07	5.56E-47	TULP2
AC009506. ENSG00000	1.59	9.66	-2.041	5.96E-49	C16orf71
AC010127. ENSG00000	0.05	11.04	-3.519	9.06E-35	EFCAB6
AC010168. ENSG00000	2.92	282.968	-6.179	4.18E-41	HCFC2
AC010524. ENSG00000	0.4	8.68	-2.79	5.54E-79	PGK2
AC010649. ENSG00000	0.25	28.479	-4.56	2.88E-61	ADAM5
AC010894. ENSG00000	1.24	41.22	-4.236	2.50E-82	WDR78
AC010980. ENSG00000	0.13	293.069	-8.024	1.45E-86	PRKACG
AC011196. ENSG00000	0	4.3	-2.406	9.84E-46	TDRD1
AC011525. ENSG00000	0	8.55	-3.256	1.30E-70	PDHA2
AC011718. ENSG00000	0	21.18	-4.471	1.34E-66	CLPB
AC011752. ENSG00000	0	7.28	-3.05	2.16E-52	ANKMY1
AC012075. ENSG00000	0	6.86	-2.975	3.78E-68	DDX25
AC012370. ENSG00000	0	19.95	-4.389	3.43E-66	ADAM30
AC012456. ENSG00000	0	3.27	-2.094	5.83E-61	ACTL7B
AC012462. ENSG00000	0	5.29	-2.653	2.71E-47	TAF7L
AC012594. ENSG00000	0	51.14	-5.704	6.18E-69	SSX3
AC013271. ENSG00000	1.37	114.126	-5.602	7.72E-58	CETN1
AC013460. ENSG00000	0.02	6.95	-2.962	1.04E-52	RAB27B
AC013470. ENSG00000	0	6.45	-2.897	1.48E-55	ZCWPW1
AC013472. ENSG00000	0	9.33	-3.369	1.25E-65	LRP2BP
AC015849. ENSG00000	0.96	11.2	-2.638	7.53E-43	SLC25A31
AC015849. ENSG00000	0.11	8.95	-3.164	3.56E-74	LECT2
AC015922. ENSG00000	0.1	6.29	-2.728	1.27E-59	ARHGAP34
AC015971. ENSG00000	0.1	6.68	-2.804	2.63E-66	TCP11
AC016582. ENSG00000	0.39	7.5	-2.612	4.59E-58	AHI1
AC016738. ENSG00000	0	5.45	-2.689	3.22E-47	ACR
AC016738. ENSG00000	0.03	3.55	-2.143	1.80E-80	OXCT2
AC016757. ENSG00000	0.73	39.89	-4.563	1.27E-88	CAPN11
AC016907. ENSG00000	0.02	4.57	-2.449	1.04E-71	TRAPPC12
AC016909. ENSG00000	0	6.41	-2.889	2.08E-53	CST8
AC016912. ENSG00000	0.51	16.89	-3.567	3.43E-51	CCDC7
AC018766. ENSG00000	0.28	7.78	-2.778	2.83E-72	MCF2
AC019048. ENSG00000	0	4.73	-2.518	3.23E-51	CLIP4
AC019055. ENSG00000	0	25.621	-4.734	6.32E-65	DOC2A
AC019172. ENSG00000	0.03	7.35	-3.019	1.55E-90	HHIPL2
AC020956. ENSG00000	0	5.57	-2.716	1.29E-83	ST7L

AC022007. ENSG00000	2.37	82.458	-4.63	2.94E-78	CCDC15
AC024560. ENSG00000	6.05	27.319	-2.006	2.73E-46	GDF9
AC024619. ENSG00000	0	19.329	-4.345	1.47E-64	SLC1A6
AC026471. ENSG00000	0.15	48.05	-5.415	6.61E-70	NAT6
AC034198. ENSG00000	0	7.5	-3.087	4.19E-53	PIWIL1
AC034220. ENSG00000	0.91	6.76	-2.022	1.45E-59	CDADC1
AC034243. ENSG00000	0.28	5.37	-2.315	9.63E-52	LYZL6
AC053503. ENSG00000	0.22	4.09	-2.061	6.27E-67	SSX1
AC062017. ENSG00000	0.47	52.211	-5.178	3.47E-90	SOCS7
AC064834. ENSG00000	0	4.62	-2.491	2.57E-46	SPATA6
AC067945. ENSG00000	0.14	7.88	-2.962	1.38E-59	HSPA4L
AC068042. ENSG00000	0	12.3	-3.733	3.07E-61	HOOK1
AC068538. ENSG00000	0	7.95	-3.162	9.13E-59	ZNF821
AC069213. ENSG00000	0.15	3.81	-2.064	2.52E-23	SPATA7
AC069363. ENSG00000	0.29	4.83	-2.176	2.54E-39	FNDC8
AC073043. ENSG00000	0.45	56.928	-5.32	2.86E-71	DKKL1
AC073130. ENSG00000	0.01	9.79	-3.417	7.08E-59	ACE
AC073342. ENSG00000	0	3.51	-2.173	9.51E-70	MS4A5
AC073464. ENSG00000	0	33.19	-5.095	1.47E-77	TSKS
AC073628. ENSG00000	0	9.64	-3.411	1.12E-54	SYCP1
AC073636. ENSG00000	0	4.78	-2.531	1.64E-44	YPEL1
AC074389. ENSG00000	0	11.72	-3.669	1.99E-77	MMP28
AC074391. ENSG00000	0.12	4	-2.158	2.31E-46	ROPN1B
AC079305. ENSG00000	0.08	3.68	-2.115	2.77E-58	CHD5
AC079354. ENSG00000	0.01	7.79	-3.122	1.24E-58	TEX40
AC079354. ENSG00000	0.17	9.37	-3.148	6.71E-55	LDHC
AC079776. ENSG00000	0.12	14.9	-3.827	6.44E-64	TTC12
AC079779. ENSG00000	0	16.959	-4.167	1.49E-53	DNAH17
AC079807. ENSG00000	0.7	7.16	-2.263	2.53E-90	CTNNA3
AC079922. ENSG00000	0.67	5.8	-2.026	7.82E-58	ZBBX
AC083884. ENSG00000	0.17	7.01	-2.775	6.64E-96	TRIM66
AC084082. ENSG00000	0	6.55	-2.916	1.58E-67	SHCBP1L
AC091633. ENSG00000	0.1	6.65	-2.798	2.50E-52	CRISP2
AC092155. ENSG00000	0	3.72	-2.239	4.94E-37	FSCN3
AC092566. ENSG00000	0	5.61	-2.725	1.64E-38	UTRN
AC093642. ENSG00000	0	10.95	-3.579	1.60E-53	PIGV
AC093716. ENSG00000	0.16	4.67	-2.289	1.43E-32	C1orf105
AC093822. ENSG00000	0	7.77	-3.133	1.51E-59	PRSS21
AC093901. ENSG00000	0.36	24.289	-4.217	3.14E-60	SPTBN2
AC096570. ENSG00000	0	5.43	-2.685	1.55E-50	SLC25A28
AC096649. ENSG00000	0.15	6.65	-2.734	3.14E-63	ACSBG2
AC096669. ENSG00000	0	7.58	-3.101	1.24E-56	ZMYND10
AC097374. ENSG00000	0.01	3.08	-2.014	1.47E-63	ACTL7A
AC097467. ENSG00000	0	17.56	-4.214	7.56E-68	IL13
AC097495. ENSG00000	0	13.35	-3.843	2.60E-63	IFT88
AC098614. ENSG00000	1.1	16.42	-3.052	2.87E-77	RAB11FIP5
AC099552. ENSG00000	0	5.55	-2.711	2.83E-53	TCP10
AC102948. ENSG00000	0	4.68	-2.506	3.55E-50	HSF2BP
AC102953. ENSG00000	0	9.44	-3.384	5.07E-65	AGBL2

AC104113. ENSG00000	0	3.86	-2.281	3.77E-40	ZNF473
AC104451. ENSG00000	0	3.57	-2.192	1.41E-05	MAPRE3
AC104653. ENSG00000	0.3	8.4	-2.854	1.36E-57	DYRK3
AC104654. ENSG00000	0	9.11	-3.338	6.32E-50	MAK
AC104655. ENSG00000	0.3	5.28	-2.272	7.13E-56	FER
AC104777. ENSG00000	0	22.33	-4.544	1.42E-64	CREM
AC105339. ENSG00000	0.03	15.17	-3.973	1.53E-74	ELL3
AC108004. ENSG00000	0	6.31	-2.87	5.05E-47	SFMBT1
AC108025. ENSG00000	0.02	3.11	-2.011	2.58E-45	ZPBP
AC108713. ENSG00000	0	6.66	-2.937	4.09E-28	USP32
AC113607. ENSG00000	0	12.61	-3.767	3.24E-65	SMG7-AS1
AC113617. ENSG00000	0	6.73	-2.95	1.68E-68	BBIP1
AC114271. ENSG00000	1.42	13.81	-2.613	4.59E-54	RBMXL2
AC114273. ENSG00000	0	4.84	-2.546	1.89E-56	ODF1
AC114783. ENSG00000	0	126.071	-6.989	8.20E-73	SOX5
AC114812. ENSG00000	0.26	92.308	-6.211	4.85E-71	CHGA
AC114814. ENSG00000	0	3.34	-2.118	3.72E-46	HYPM
AC116035. ENSG00000	0.07	4.14	-2.264	8.82E-20	DRICH1
AC116614. ENSG00000	0.25	17.07	-3.854	2.01E-60	ANKS1B
AC125634. ENSG00000	0	3.92	-2.299	1.84E-56	ABCB9
AC129778. ENSG00000	0.02	5.83	-2.743	3.81E-53	MAPKBP1
AC132217. ENSG00000	7.19	57.559	-2.838	1.12E-09	CHKA
AC135048. ENSG00000	1.4	18.12	-2.994	9.21E-65	CCT6B
AC138035. ENSG00000	3.29	68.588	-4.02	4.16E-54	TEX30
AC138647. ENSG00000	0	10.32	-3.501	5.71E-61	PCSK2
AC140725. ENSG00000	0.17	8.33	-2.995	4.46E-71	ALDH1A2
AC144838. ENSG00000	0.5	7.69	-2.534	6.04E-30	ANKRD7
AC145123. ENSG00000	0	8.65	-3.271	1.69E-66	CLTCL1
AC145343. ENSG00000	0.38	6.35	-2.413	3.35E-65	SMPD2
AC159540. ENSG00000	9.29	184.106	-4.169	1.61E-63	CCNO
AC234582. ENSG00000	0.09	7.36	-2.939	1.18E-40	INTS6
ACACB ENSG00000	3.39	20.949	-2.322	1.70E-58	SPANXB1
ACADL ENSG00000	0.22	4.7	-2.224	3.79E-48	TEX14
ACAP1 ENSG00000	11.9	126.386	-3.304	2.60E-44	MAGEC1
ACAT1 ENSG00000	19.401	110.614	-2.452	1.35E-77	BAP1
ACCS ENSG00000	3.83	33.469	-2.835	1.51E-54	FGFR1OP
ACE ENSG00000	27.07	161.634	-2.535	1.37E-18	CDKL3
ACE2 ENSG00000	0.35	34.671	-4.724	7.42E-79	SAMD4A
ACOX2 ENSG00000	3.87	27.059	-2.526	1.68E-27	CASC1
ACPT ENSG00000	0.03	4.94	-2.528	4.93E-53	NR3C2
ACR ENSG00000	0.17	121.759	-6.713	1.53E-81	CCNA1
ACRBP ENSG00000	4.49	401.289	-6.195	1.34E-73	PHF1
ACRC ENSG00000	1.28	12.47	-2.563	3.53E-54	PRM2
ACRV1 ENSG00000	0.24	155.19	-6.977	4.25E-74	TTBK2
ACSBG1 ENSG00000	0.41	7.41	-2.576	9.89E-56	ARHGAP28
ACSBG2 ENSG00000	0.35	235.094	-7.45	5.03E-76	MTL5
ACSL1 ENSG00000	9.18	55.039	-2.461	1.52E-46	TSSK1B
ACSM1 ENSG00000	0.12	6.76	-2.793	4.40E-98	HRASLS
ACSM3 ENSG00000	2.63	31.6	-3.167	1.01E-60	PRM1

ACSS1	ENSG00000	4.99	51.388	-3.129	9.50E-65	SLC6A16
ACTA2	ENSG00000	76.351	365.872	-2.246	2.97E-15	ODF2
ACTA2-AS	ENSG00000	0.34	11.3	-3.198	7.59E-48	STAG3
ACTG1P17	ENSG00000	0.6	10.41	-2.834	5.26E-82	SPA17
ACTL10	ENSG00000	0.35	77.831	-5.868	7.54E-69	C2orf42
ACTL7A	ENSG00000	0	295.291	-8.211	3.85E-76	FKBP6
ACTL7B	ENSG00000	0	157.465	-7.308	1.83E-79	GSG1
ACTL8	ENSG00000	0.29	9.68	-3.05	1.74E-70	SAYSD1
ACTL9	ENSG00000	0	148.92	-7.228	3.60E-72	FRMPD1
ACTN2	ENSG00000	1.63	15.56	-2.655	2.00E-56	GSTA3
ACTN3	ENSG00000	0.38	4.88	-2.091	9.15E-42	SLC2A5
ACTRT1	ENSG00000	0.02	4.5	-2.431	2.47E-49	TEX13A
ACTRT2	ENSG00000	0	207.777	-7.706	1.53E-74	SMCP
ACTRT3	ENSG00000	0.79	61.32	-5.122	2.56E-68	C10orf88
ACYP1	ENSG00000	7.67	35.099	-2.058	1.44E-66	LY6G5C
ADAD1	ENSG00000	0.28	97.099	-6.26	1.47E-78	TTC30A
ADAD2	ENSG00000	1.04	143.081	-6.142	2.93E-90	NUP62CL
ADAM11	ENSG00000	0.84	10.29	-2.617	8.62E-73	C1QTNF9B
ADAM18	ENSG00000	0.23	15.85	-3.776	6.65E-59	PHF7
ADAM2	ENSG00000	0	30.659	-4.985	6.98E-75	RPL10L
ADAM20	ENSG00000	0.03	5.48	-2.653	4.50E-58	LRP8
ADAM21	ENSG00000	0.1	10.16	-3.343	1.55E-59	ZNHIT2
ADAM29	ENSG00000	0.02	45.972	-5.525	2.57E-72	NDUFAF3
ADAM30	ENSG00000	0	21.681	-4.503	3.08E-69	PCYT2
ADAM32	ENSG00000	1.13	47.751	-4.517	2.36E-62	SPAG1
ADAM33	ENSG00000	3.21	48.1	-3.544	2.49E-55	SPEF1
ADAM3A	ENSG00000	0	18.02	-4.249	1.07E-38	CRAT
ADAM5	ENSG00000	0	24.87	-4.693	1.23E-61	INHA
ADAM6	ENSG00000	0	16.7	-4.146	1.54E-63	CUL3
ADAMTS10	ENSG00000	2.35	22.47	-2.809	1.07E-68	RNF17
ADAMTS17	ENSG00000	0.99	9.15	-2.351	1.49E-51	DUSP13
ADAMTS71	ENSG00000	0.06	5.01	-2.503	3.12E-57	CLGN
ADARB2	ENSG00000	0.17	8.01	-2.945	3.35E-90	OAZ3
ADCY10	ENSG00000	0.24	23.28	-4.291	1.69E-70	TNP1
ADCY10P1	ENSG00000	0.69	16.16	-3.344	7.02E-81	LIN7A
ADCY2	ENSG00000	0.27	6.52	-2.566	8.91E-48	YBX2
ADCY5	ENSG00000	1.29	13.23	-2.636	6.67E-32	DDX4
ADD3-AS1	ENSG00000	0.58	92.078	-5.88	8.49E-86	ULK2
ADGB	ENSG00000	0.23	30.181	-4.664	8.46E-64	ZNF165
ADGRG1	ENSG00000	5	60.85	-3.366	1.08E-42	DNAI1
ADGRL3-A	ENSG00000	0	4.78	-2.531	3.45E-40	HMGN5
ADHFE1	ENSG00000	1.96	21.769	-2.943	2.33E-71	CEP350
ADIG	ENSG00000	0	75.892	-6.265	2.93E-71	VCX2
ADIRF	ENSG00000	3.87	27.49	-2.548	3.11E-18	BAG1
ADIRF-AS1	ENSG00000	0.71	54.89	-5.031	6.50E-103	IGLL1
ADNP-AS1	ENSG00000	0.88	29.73	-4.031	1.70E-83	TSNAXIP1
ADORA1	ENSG00000	1.62	27.81	-3.459	3.60E-66	IQCE
ADORA2A-	ENSG00000	0.21	20.22	-4.132	3.05E-83	DXO
ADORA3	ENSG00000	1.81	66.721	-4.591	8.67E-63	ADAM3A

ADPGK-AS	ENSG00000	0.15	4.28	-2.199	6.76E-63	DNAH7
ADRA2A	ENSG00000	0.76	6.5	-2.091	2.24E-38	SPAG6
ADSSL1	ENSG00000	3.87	83.62	-4.119	9.88E-79	USP29
AF038458.1	ENSG00000	0.07	4.16	-2.27	1.63E-52	CDKL2
AF067845.1	ENSG00000	0	4.5	-2.459	9.75E-71	VRK3
AF131216.1	ENSG00000	0.59	45.129	-4.859	2.91E-66	SH3TC2
AF146191.1	ENSG00000	0.18	6.7	-2.706	1.67E-74	DFNB31
AF186192.6	ENSG00000	0.39	7.15	-2.552	2.57E-60	RALGPS1
AFF3	ENSG00000	0.86	6.88	-2.083	1.66E-38	PHKG2
AGAP10P	ENSG00000	0.38	12.09	-3.246	1.68E-78	NRIP3
AGAP11	ENSG00000	0.18	5.65	-2.495	2.91E-90	CYB5R2
AGAP5	ENSG00000	3.84	19.95	-2.114	1.99E-60	BRDT
AGAP7P	ENSG00000	0.72	9.47	-2.606	1.80E-48	TOLLIP
AGAP9	ENSG00000	4.57	33.321	-2.623	3.39E-52	IFT140
AGBL1-AS1	ENSG00000	0	12.75	-3.781	8.53E-59	RSPH6A
AGBL2	ENSG00000	0.66	53.241	-5.03	1.43E-80	TBL2
AGBL3	ENSG00000	1.26	11.65	-2.485	1.73E-70	KIAA0895
AGBL5	ENSG00000	19.24	289.014	-3.841	1.47E-59	H2AFJ
AGPAT3	ENSG00000	9.19	46.62	-2.224	9.35E-32	VAMP2
AGPAT9	ENSG00000	0.55	9.13	-2.708	6.41E-52	GID4
AGT	ENSG00000	0.27	5.08	-2.259	1.52E-06	ADORA1
AHI1	ENSG00000	6.16	45.339	-2.694	1.84E-67	B9D1
AHRR	ENSG00000	0.33	63.619	-5.602	1.99E-85	CCDC181
AHSA2	ENSG00000	11.42	89.647	-2.868	3.35E-64	SPINK2
AHSP	ENSG00000	0.37	5.04	-2.14	3.13E-37	TLE4
AJ011932.1	ENSG00000	0.5	9.56	-2.816	1.74E-47	CNNM1
AK1	ENSG00000	20.41	179.731	-3.077	3.82E-64	C9orf116
AK7	ENSG00000	1	7.9	-2.154	1.70E-44	CNTRL
AK8	ENSG00000	1.26	33.321	-3.925	7.87E-62	CTNNA2
AK9	ENSG00000	0.78	20.21	-3.575	4.30E-89	SLC30A4
AKAP14	ENSG00000	0	100.837	-6.67	1.73E-67	SRPK2
AKAP3	ENSG00000	4.77	103.113	-4.173	4.08E-38	CDK20
AKAP4	ENSG00000	0.01	257.28	-7.998	2.07E-77	FAAH
AKAP6	ENSG00000	0.42	6.63	-2.426	2.03E-60	PIP5K1C
AKNAD1	ENSG00000	0.24	11.35	-3.316	6.74E-55	TP53TG5
AKR1C1	ENSG00000	1.2	19.569	-3.225	7.52E-37	BRAP
AKR1C2	ENSG00000	0.63	12.99	-3.101	1.55E-31	CCNH
AKR1D1	ENSG00000	0.01	4.31	-2.394	1.09E-34	NME5
AKR1E2	ENSG00000	1.41	48.751	-4.368	4.52E-88	ATF7IP2
AL031601.1	ENSG00000	0	3.26	-2.091	5.30E-54	CABYR
AL050303.1	ENSG00000	0	5.5	-2.7	6.21E-55	RUFY3
AL121578.1	ENSG00000	0	5.15	-2.621	1.05E-48	ZDHHC14
AL121656.1	ENSG00000	0	5.47	-2.694	1.07E-49	DPEP3
AL157871.1	ENSG00000	0	4.57	-2.478	1.49E-31	ZNF415
AL157902.1	ENSG00000	0	11.06	-3.592	2.35E-66	SLC30A3
AL353997.1	ENSG00000	0.07	25.871	-4.65	2.39E-81	NR0B1
AL442127.1	ENSG00000	0	17.14	-4.181	4.80E-10	FAM53C
AL450226.1	ENSG00000	0	21.381	-4.484	2.06E-62	PLSCR2
AL589743.1	ENSG00000	0.62	5.61	-2.029	2.24E-33	CSNK2A2

AL591893..	ENSG00000	0.03	4.74	-2.478	3.36E-58	KLHL11
ALB	ENSG00000	0.3	4.79	-2.155	4.95E-14	DZIP1
ALDH1A1	ENSG00000	14.25	132.293	-3.128	5.78E-44	PIK3R3
ALDH1A2	ENSG00000	0.65	42.7	-4.727	4.62E-60	SIK3
ALDH1L1	ENSG00000	0.53	22.95	-3.968	8.00E-78	PAOX
ALKBH3-A	ENSG00000	0.21	14.37	-3.667	9.50E-66	KCTD13
ALKBH7	ENSG00000	90.722	745.156	-3.024	1.47E-47	HAGH
ALLC	ENSG00000	0.05	30.61	-4.912	2.10E-90	TTLL1
ALOX12-A	ENSG00000	2.14	12.92	-2.148	1.55E-83	PGAM2
ALOX12P2	ENSG00000	1.05	11.14	-2.566	4.14E-44	GRAMD1B
ALS2CR11	ENSG00000	2.2	29.84	-3.269	8.14E-45	FHL5
ALS2CR12	ENSG00000	0.19	18.63	-4.044	3.81E-65	LRRC49
AMH	ENSG00000	3.47	24.55	-2.515	3.70E-38	FUZ
AMHR2	ENSG00000	1.17	17.289	-3.075	1.96E-47	SHARPIN
AMN1	ENSG00000	8	47.261	-2.423	6.11E-49	PROX1
AMOTL1	ENSG00000	1.51	13.39	-2.519	3.46E-23	CCT8L2
AMY1C	ENSG00000	0	6.84	-2.971	1.13E-38	DYNC2H1
AMZ2P1	ENSG00000	6.02	49.931	-2.859	3.34E-89	DNALI1
ANG	ENSG00000	2.52	13.99	-2.09	1.37E-25	ASB9
ANGEL1	ENSG00000	14.21	66.911	-2.159	1.04E-36	TRIM13
ANKAR	ENSG00000	0.79	11.04	-2.75	6.36E-89	EIF4G3
ANKEF1	ENSG00000	2.27	25.38	-3.012	6.46E-50	NUP98
ANKFN1	ENSG00000	0.05	4.06	-2.269	6.38E-56	OXR1
ANKMY1	ENSG00000	3.91	95.882	-4.302	1.31E-81	CDK19
ANKRD12	ENSG00000	4.15	27.04	-2.445	4.53E-61	FAM216A
ANKRD13B	ENSG00000	2.65	36.719	-3.369	7.98E-73	OR7E156P
ANKRD18A	ENSG00000	0.47	21.23	-3.919	4.71E-76	SKAP2
ANKRD18B	ENSG00000	0.55	8.84	-2.666	8.84E-62	PGR
ANKRD18C	ENSG00000	0.15	3.7	-2.031	5.05E-61	CCDC176
ANKRD18C	ENSG00000	0.06	3.75	-2.164	2.94E-66	CTSF
ANKRD19P	ENSG00000	2.08	85.912	-4.819	2.99E-38	ARL4A
ANKRD20A	ENSG00000	0.3	10.13	-3.098	7.77E-85	SPRR2C
ANKRD20A	ENSG00000	0.02	3.72	-2.21	2.81E-68	PIWIL2
ANKRD20A	ENSG00000	0.09	18.77	-4.181	1.42E-81	WDR60
ANKRD20A	ENSG00000	0.08	4.32	-2.3	3.19E-72	PDXK
ANKRD20A	ENSG00000	0.16	3.79	-2.046	1.51E-58	DOCK3
ANKRD20A	ENSG00000	0.76	33.369	-4.287	2.21E-64	ABCA5
ANKRD24	ENSG00000	1.87	17.66	-2.701	3.73E-70	TFDP3
ANKRD26P	ENSG00000	2.69	99.408	-4.766	3.05E-43	GDF10
ANKRD30B	ENSG00000	0.01	18.11	-4.242	1.87E-68	PPEF1
ANKRD30B	ENSG00000	0.05	21.561	-4.425	1.91E-88	STAG3L3
ANKRD30B	ENSG00000	0	9.27	-3.36	3.42E-72	NPIPB15
ANKRD31	ENSG00000	0.12	6.02	-2.648	3.79E-86	ETNK2
ANKRD36B	ENSG00000	2.07	23.98	-3.024	1.66E-54	MARK4
ANKRD36C	ENSG00000	1.03	17.03	-3.151	9.41E-103	AGBL5
ANKRD42	ENSG00000	2.9	47.399	-3.633	2.24E-89	SLC2A8
ANKRD45	ENSG00000	0.72	14.79	-3.198	5.96E-66	ELOVL2
ANKRD50	ENSG00000	1.62	11.27	-2.227	7.61E-41	TBPL1
ANKRD53	ENSG00000	0.59	40.369	-4.701	5.74E-70	SSX2IP

ANKRD60	ENSG00000	0	4.04	-2.333	2.00E-52	TEKT2
ANKRD61	ENSG00000	0.19	6.77	-2.707	1.35E-56	SKAP1
ANKRD65	ENSG00000	1.51	9.29	-2.035	6.27E-31	TMBIM4
ANKRD7	ENSG00000	1.54	663.107	-8.03	8.53E-83	OPLAH
ANKRD9	ENSG00000	5.31	49.559	-3.002	7.73E-59	TCFL5
ANKS1B	ENSG00000	1.03	19.849	-3.36	1.34E-53	CTAG2
ANO1	ENSG00000	2.48	17.8	-2.434	1.46E-30	ATP8A2
ANO1-AS2	ENSG00000	0	7.39	-3.069	2.40E-63	PRPH
ANTXRL	ENSG00000	0.01	26	-4.741	7.76E-115	CCSER2
ANXA13	ENSG00000	0.1	4.87	-2.416	1.48E-24	PAK6
AP000281	ENSG00000	0	4.01	-2.325	7.76E-44	SLC35G2
AP000289	ENSG00000	0	4.21	-2.381	1.22E-48	CHODL
AP000345	ENSG00000	0.08	12.84	-3.68	9.22E-70	AKAP3
AP000432	ENSG00000	0.23	4.04	-2.035	1.33E-52	KHDRBS3
AP000442	ENSG00000	0.64	10.5	-2.81	1.37E-104	MYLK3
AP001048	ENSG00000	0	9.55	-3.399	3.20E-57	HGFAC
AP001062	ENSG00000	0.68	6.57	-2.172	5.79E-53	POLI
AP001425	ENSG00000	0.03	3.82	-2.226	7.08E-54	CRYBG3
AP001468	ENSG00000	0	5.23	-2.639	1.87E-47	TPGS2
AP001476	ENSG00000	0.07	4.05	-2.239	5.93E-73	MRGBP
AP001625	ENSG00000	0	11.25	-3.615	6.88E-65	FAM46C
AP001630	ENSG00000	0	5	-2.585	8.78E-61	SNAP91
AP003025	ENSG00000	0	13.54	-3.862	1.78E-63	MBNL3
AP003774	ENSG00000	0	7.05	-3.009	8.60E-58	INPP4B
AP004782	ENSG00000	0.05	3.25	-2.017	9.76E-76	APPBP2
AP005530	ENSG00000	0.06	13.18	-3.742	3.92E-62	IPO5
AP006216	ENSG00000	0	4.29	-2.403	1.71E-51	GRB14
APBB3	ENSG00000	8.62	94	-3.304	2.62E-115	TPTE
APH1B	ENSG00000	7.69	295.947	-5.095	1.31E-65	SPAG4
APITD1-CC	ENSG00000	1.76	22	-3.059	8.88E-67	ELP5
APLF	ENSG00000	0.94	7.04	-2.051	7.25E-70	TPP2
APOA1	ENSG00000	8.32	459.556	-5.627	2.30E-24	IQCG
APOBEC4	ENSG00000	0	8.47	-3.243	6.46E-50	RNF141
APOD	ENSG00000	18.42	91.74	-2.256	4.64E-15	MAP7
APOM	ENSG00000	2.02	20.73	-2.847	2.86E-18	INPP1
APOPT1	ENSG00000	34	148.384	-2.094	3.70E-39	GPX4
APPBP2	ENSG00000	5.5	33.261	-2.398	1.83E-53	TESC
AQP11	ENSG00000	1.5	11.42	-2.313	4.78E-77	DPY19L2P
AQP5	ENSG00000	2.72	293.496	-6.307	5.22E-66	PVRL3
AQP7	ENSG00000	0.19	48.999	-5.393	2.04E-111	POMT1
AREG	ENSG00000	0.16	11.86	-3.471	1.28E-74	STAT4
ARHGAP20	ENSG00000	0.2	6.8	-2.7	4.42E-95	WT1
ARHGAP22	ENSG00000	0	8.14	-3.192	2.54E-61	TOMM34
ARHGAP26	ENSG00000	3.61	23.381	-2.403	3.41E-61	KCNH2
ARHGAP26	ENSG00000	0	10.05	-3.466	1.00E-51	CCDC53
ARHGAP26	ENSG00000	0	5.5	-2.7	2.89E-52	FBXL2
ARHGAP28	ENSG00000	6.48	52.991	-2.852	6.35E-27	ACE2
ARHGAP35	ENSG00000	8.92	134	-3.766	2.12E-63	CLEC16A
ARHGAP39	ENSG00000	5.36	28.391	-2.208	3.03E-51	GUCA1A

ARHGAP9	ENSG0000	13.91	66.911	-2.187	1.22E-29	CCNJL
ARHGEF33	ENSG0000	1.48	13.58	-2.556	2.13E-51	CETN3
ARHGEF37	ENSG0000	0.25	5.02	-2.268	8.78E-59	IFT81
ARHGEF7-	ENSG0000	0	4.27	-2.398	4.80E-56	PDE1A
ARHGEF7-	ENSG0000	0	3.13	-2.046	6.46E-62	SCRG1
ARL13A	ENSG0000	0.06	13.99	-3.822	2.34E-55	ENOX1
ARL2BPP3	ENSG0000	0	13.25	-3.833	5.01E-64	PDZD2
ARL4A	ENSG0000	18.77	246.611	-3.647	3.17E-56	CALB2
ARL6	ENSG0000	1.95	11.28	-2.058	4.37E-63	WASF1
ARL9	ENSG0000	0.34	10	-3.037	6.82E-61	MLF1
ARMC12	ENSG0000	0.43	86.318	-5.932	2.69E-90	KLHDC10
ARMC2	ENSG0000	2.79	27.14	-2.892	1.25E-72	LPIN1
ARMC3	ENSG0000	0.33	33.819	-4.71	8.13E-62	GLUD2
ARMC4	ENSG0000	0.25	30.73	-4.666	2.23E-67	TEX11
ARMS2	ENSG0000	0.03	3.47	-2.118	4.63E-47	CUL9
ARNT2	ENSG0000	0.62	12.21	-3.028	9.23E-42	MAPK13
ARNTL	ENSG0000	3.25	19.73	-2.286	8.80E-93	SCCPDH
ARRDC1-A	ENSG0000	6.03	30.399	-2.159	1.01E-82	MAMLD1
ARRDC3-A	ENSG0000	0.58	9.11	-2.678	5.75E-88	SLC12A2
ARRDC5	ENSG0000	0.14	21.43	-4.298	3.31E-63	PRND
ARSA	ENSG0000	13.05	108.608	-2.964	1.09E-57	SCML1
ART3	ENSG0000	0.29	95.299	-6.222	9.05E-99	FOXG1
ART5	ENSG0000	4.98	31.65	-2.449	4.22E-30	CDKN3
ASAP2	ENSG0000	5.53	32.271	-2.349	4.11E-26	EFHC1
ASB17	ENSG0000	0	41.521	-5.41	7.97E-67	TCEAL2
ASB5	ENSG0000	0	7.63	-3.109	2.12E-41	PAQR3
ASB9	ENSG0000	1.39	32.28	-3.8	7.89E-65	CITED1
ASGR1	ENSG0000	2.04	38.109	-3.685	2.38E-35	NAALAD2
ASIC3	ENSG0000	11.05	54.78	-2.211	1.02E-30	ST6GALN4
ASXL3	ENSG0000	0.09	8.13	-3.066	2.41E-58	FOXD1
ASZ1	ENSG0000	0.09	13.22	-3.706	1.88E-94	SPHK2
ATAD1	ENSG0000	13.28	92.937	-2.718	2.40E-53	LRRC16A
ATE1-AS1	ENSG0000	0.28	4.94	-2.214	2.06E-50	HSPA2
ATF7IP2	ENSG0000	7.82	92.289	-3.403	4.89E-86	PMS1
ATG4D	ENSG0000	27.93	125.07	-2.124	1.73E-49	GOLGA8N
ATG9B	ENSG0000	8.23	44.47	-2.3	2.73E-15	MAGEA1
ATL1	ENSG0000	0.92	7.57	-2.158	1.19E-38	WDR62
ATP10A	ENSG0000	1.62	9.67	-2.026	2.86E-57	CYB5R4
ATP1A2	ENSG0000	0.28	7.47	-2.726	1.71E-17	BCL2L14
ATP1A3	ENSG0000	5.12	53.641	-3.158	1.04E-35	CYP26B1
ATP1A4	ENSG0000	0.44	27.77	-4.32	2.65E-61	USP25
ATP5G1P1	ENSG0000	0	7.43	-3.076	1.43E-71	LRRC6
ATP6AP1L	ENSG0000	2.66	16.74	-2.277	1.76E-64	CCDC92
ATP6V1E2	ENSG0000	4.27	37.83	-2.881	9.43E-49	ME3
ATP8A2	ENSG0000	0.87	10.33	-2.599	8.45E-53	TTYH1
ATP8B3	ENSG0000	1.41	51.189	-4.437	2.08E-69	SLC6A1
ATP8B5P	ENSG0000	0.2	13.99	-3.643	1.46E-77	NDRG4
ATRNL1	ENSG0000	3.36	17.81	-2.109	1.21E-36	AZGP1
ATXN3L	ENSG0000	0	4.34	-2.417	2.89E-56	PENK

AURKC	ENSG00000	1.9	73.848	-4.69	2.43E-77	TCEA2
AXDND1	ENSG00000	0.56	41.04	-4.752	3.76E-76	IFT57
AY269186..	ENSG00000	0	3.87	-2.284	9.33E-53	CLK4
AY269186..	ENSG00000	0	3.94	-2.305	1.47E-46	GPR18
AZGP1	ENSG00000	0.14	43.822	-5.297	1.60E-73	BAZ2B
AZIN1-AS1	ENSG00000	1.64	57.059	-4.459	4.40E-75	INHBB
AZIN2	ENSG00000	2.7	73.17	-4.325	1.41E-84	RNF139
B3GALT4	ENSG00000	3.21	36.38	-3.15	1.36E-60	MAGEA11
B4GALT1-1	ENSG00000	0.71	22.59	-3.786	2.13E-67	BAZ1A
B4GALT4-1	ENSG00000	0	5.49	-2.698	1.64E-47	GSTM3
B9D1	ENSG00000	11.95	94.398	-2.881	5.35E-47	CAND2
BAALC-AS1	ENSG00000	1.16	10.88	-2.459	1.08E-46	MPC2
BAG1	ENSG00000	27.92	178.923	-2.637	5.21E-61	GLRX2
BAG5	ENSG00000	16.61	137.091	-2.971	2.01E-41	MYOM2
BAHCC1	ENSG00000	1.6	11.14	-2.223	6.68E-28	SPAG16
BAIAP3	ENSG00000	4.6	43.11	-2.978	1.55E-43	GULP1
BANF2	ENSG00000	0	140.808	-7.148	4.97E-71	DMRT1
BAP1	ENSG00000	41.06	196.596	-2.232	7.01E-66	ZCCHC2
BAZ1A	ENSG00000	7.31	40.61	-2.324	2.42E-61	KLK11
BAZ2B	ENSG00000	3.53	19.66	-2.189	2.72E-40	ISYNA1
BBIP1	ENSG00000	11.09	123.22	-3.361	3.04E-77	DAZL
BBS1	ENSG00000	5.79	28.729	-2.13	5.02E-46	RPL39L
BBX	ENSG00000	8.78	55.741	-2.536	5.07E-58	CYP17A1
BCL2L14	ENSG00000	1.58	44.409	-4.138	2.81E-41	SAR1B
BCL2L2-PA	ENSG00000	0.74	13.72	-3.081	2.14E-55	PPARGC1A
BCL6	ENSG00000	3.38	26.67	-2.659	1.94E-44	ZNF516
BCO2	ENSG00000	0.63	11.49	-2.938	5.02E-88	EPB41L3
BCRP2	ENSG00000	1.51	26.21	-3.438	1.44E-76	SEC61A2
BCRP3	ENSG00000	7.21	33.889	-2.087	1.89E-13	TMX4
BEAN1	ENSG00000	0.61	8.86	-2.615	8.83E-63	NXF3
BEND2	ENSG00000	0.01	3.6	-2.187	2.65E-89	ACAT1
BEND7	ENSG00000	4.44	35.36	-2.741	1.59E-63	SPATA20
BEST1	ENSG00000	0.9	12.44	-2.822	6.22E-87	MICAL2
BEST3	ENSG00000	0.04	3.82	-2.212	1.64E-57	HSD17B3
BEX1	ENSG00000	14	112.813	-2.924	2.06E-24	DAAM2
BEX5	ENSG00000	2.44	15.65	-2.275	1.73E-29	SH3GL2
BHMG1	ENSG00000	0.36	9.45	-2.942	6.66E-64	KLK5
BIRC8	ENSG00000	0	9.78	-3.43	5.39E-65	IL13RA2
BMP7-AS1	ENSG00000	0	3.72	-2.239	4.42E-43	P4HTM
BMPR1B-A	ENSG00000	0	12.94	-3.801	2.24E-63	STX8
BNIPL	ENSG00000	0.38	7.07	-2.548	7.49E-41	OPTN
BOD1L2	ENSG00000	0.06	341.631	-8.336	8.01E-84	DACH1
BOLL	ENSG00000	0.07	78.188	-6.21	2.74E-87	LZTFL1
BPI	ENSG00000	0.46	32.981	-4.541	1.42E-71	LRRN3
BPIFA3	ENSG00000	0	133.564	-7.072	1.42E-73	TKTL1
BPIFB1	ENSG00000	0.03	6.63	-2.889	1.61E-28	PRKCZ
BRAP	ENSG00000	19.54	85.603	-2.076	1.38E-37	C16orf45
BRDT	ENSG00000	9.78	82.229	-2.949	1.84E-28	REEP1
BRICD5	ENSG00000	5.4	36.859	-2.565	7.73E-78	GATM

BRINP2	ENSG00000	0.15	3.66	-2.019	2.63E-40	SERPINA5
BRINP3	ENSG00000	0.04	5.5	-2.644	1.03E-37	SLC27A6
BRSK2	ENSG00000	1.62	21.739	-3.118	6.16E-60	PPFIBP2
BRWD1-AS1	ENSG00000	0.03	3.19	-2.024	2.06E-54	GSTA1
BRWD1-AS2	ENSG00000	0.61	50.741	-5.006	4.53E-77	BBX
BSCL2	ENSG00000	36.911	359.213	-3.248	2.99E-59	CENPU
BSN-AS2	ENSG00000	0.16	6.09	-2.612	3.80E-65	ARNT2
BSNDP2	ENSG00000	0	3.04	-2.014	1.17E-33	ELAVL4
BTBD16	ENSG00000	0.02	10.33	-3.474	5.58E-60	PRKCDBP
BTBD6	ENSG00000	20.45	101.75	-2.26	1.42E-56	JAM2
BTBD9-AS1	ENSG00000	0	6.57	-2.92	1.12E-64	OSR2
BTG4	ENSG00000	0.09	23.821	-4.509	2.83E-82	MAGEA4
BTNL8	ENSG00000	0.12	7.92	-2.994	1.57E-67	KRT23
BTNL9	ENSG00000	2.51	13.27	-2.023	2.47E-36	ZBTB38
BVES	ENSG00000	1.43	9.13	-2.06	3.89E-44	ASAP2
BVES-AS1	ENSG00000	0.27	12.79	-3.441	3.99E-70	TUBA4A
BX255923.1	ENSG00000	0.22	101.983	-6.399	1.84E-68	ALDH1A1
BZW1P2	ENSG00000	10.21	43.919	-2.002	1.32E-20	CEP70
C10orf107	ENSG00000	0.07	9.51	-3.296	2.93E-57	TNFAIP6
C10orf120	ENSG00000	0	37.021	-5.249	2.24E-66	PTGDS
C10orf53	ENSG00000	0	50.32	-5.681	1.48E-74	INSL3
C10orf55	ENSG00000	0.15	15.93	-3.88	2.07E-55	CNN1
C10orf62	ENSG00000	0	358.367	-8.489	1.27E-77	NEFM
C10orf67	ENSG00000	0.16	9.4	-3.164	4.61E-72	CPE
C10orf82	ENSG00000	2.5	124.862	-5.168	1.16E-58	SMARCA1
C10orf88	ENSG00000	4.45	25.621	-2.288	1.24E-58	PLK2
C10orf90	ENSG00000	0.04	9.2	-3.294	1.20E-54	CLU
C11orf16	ENSG00000	0.14	4.02	-2.139	2.41E-41	PLA2G16
C11orf42	ENSG00000	0.04	32.159	-4.995	6.37E-63	TIPARP
C11orf53	ENSG00000	0.02	6.38	-2.855	9.82E-58	TSPYL5
C11orf63	ENSG00000	0.79	25.72	-3.9	9.64E-79	SOX9
C11orf65	ENSG00000	0.91	55.811	-4.895	1.71E-71	KIF5C
C11orf70	ENSG00000	1.1	44.12	-4.425	1.73E-82	MAGEA12
C11orf71	ENSG00000	3.4	148.219	-5.084	5.49E-85	HOPX
C11orf85	ENSG00000	0.57	33.18	-4.444	3.21E-76	ZBTB20
C11orf88	ENSG00000	0.05	35.49	-5.119	3.91E-60	HMGCS2
C11orf91	ENSG00000	0.05	13.05	-3.742	1.21E-79	CKM
C11orf94	ENSG00000	0.1	74.258	-6.096	7.80E-75	STAR
C11orf96	ENSG00000	7.29	77.219	-3.238	2.45E-48	ABCA8
C11orf97	ENSG00000	0	25.05	-4.703	3.12E-72	FHL1
C12orf42	ENSG00000	0.16	36.559	-5.017	1.10E-66	SPOCK1
C12orf50	ENSG00000	0.03	61.571	-5.925	3.57E-75	LIPG
C12orf54	ENSG00000	0.11	101.398	-6.527	3.46E-69	MAGEA6
C12orf60	ENSG00000	3.35	19.311	-2.223	4.35E-33	CADM1
C12orf71	ENSG00000	0.18	4.03	-2.092	2.09E-41	MOK
C12orf80	ENSG00000	0	8.81	-3.294	2.70E-59	PFKP
C14orf39	ENSG00000	0.64	6.94	-2.275	1.20E-51	CYP11A1
C14orf79	ENSG00000	5.66	44.01	-2.757	5.68E-63	CST3
C15orf26	ENSG00000	0.25	6.58	-2.6	3.41E-58	DDAH1

C15orf39	ENSG0000	21.491	96.268	-2.113	4.30E-46	SERPINF1
C15orf43	ENSG0000	0.08	18.45	-4.171	1.55E-66	APOA1
C15orf48	ENSG0000	10.24	129.948	-3.542	6.17E-33	BEX1
C15orf52	ENSG0000	0.71	13.18	-3.052	7.17E-64	
C15orf59	ENSG0000	0.64	15.06	-3.292	1.43E-40	
C15orf61	ENSG0000	3.63	28.34	-2.664	1.70E-44	
C15orf65	ENSG0000	2.33	12.85	-2.056	2.79E-26	
C16orf45	ENSG0000	11.25	68.869	-2.512	2.49E-48	
C16orf46	ENSG0000	0.99	12.49	-2.761	6.53E-62	
C16orf71	ENSG0000	0.69	97.099	-5.859	2.38E-81	
C16orf78	ENSG0000	0	55.299	-5.815	8.78E-59	
C16orf82	ENSG0000	0.01	356.954	-8.469	1.71E-76	
C16orf86	ENSG0000	1.55	64.61	-4.685	1.44E-100	
C16orf90	ENSG0000	0.04	62.318	-5.928	6.20E-81	
C16orf92	ENSG0000	0	26.75	-4.794	3.66E-66	
C16orf93	ENSG0000	3.51	66.879	-3.912	1.43E-78	
C16orf95	ENSG0000	2.57	170	-5.582	4.85E-77	
C16orf96	ENSG0000	0.31	13.83	-3.501	3.53E-66	
C16orf97	ENSG0000	0	11.7	-3.667	2.83E-60	
C17orf104	ENSG0000	0.87	40.229	-4.463	1.84E-76	
C17orf105	ENSG0000	0.03	61.252	-5.917	7.70E-71	
C17orf112	ENSG0000	0	11.59	-3.654	4.47E-59	
C17orf47	ENSG0000	0.02	7.3	-3.025	2.60E-59	
C17orf50	ENSG0000	0.08	137.414	-7.002	2.95E-77	
C17orf64	ENSG0000	0.27	169.236	-7.067	3.13E-84	
C17orf74	ENSG0000	0.19	167.369	-7.145	3.13E-69	
C17orf97	ENSG0000	2.58	103.658	-4.87	1.34E-65	
C17orf98	ENSG0000	0.06	24.62	-4.595	4.13E-66	
C18orf63	ENSG0000	0	4.67	-2.503	5.81E-79	
C19orf18	ENSG0000	1.06	15.02	-2.959	4.21E-58	
C19orf38	ENSG0000	2.54	14.71	-2.15	4.52E-50	
C19orf44	ENSG0000	4.5	23.18	-2.136	3.24E-61	
C19orf45	ENSG0000	0.65	37.01	-4.526	2.15E-60	
C19orf47	ENSG0000	12.4	54.198	-2.042	5.03E-53	
C19orf57	ENSG0000	3.18	28.259	-2.807	1.46E-62	
C19orf67	ENSG0000	0.27	9.55	-3.054	5.25E-55	
C19orf71	ENSG0000	0.97	68.251	-5.136	9.73E-77	
C19orf81	ENSG0000	1.76	10.61	-2.073	4.50E-39	
C19orf84	ENSG0000	3.74	29.449	-2.683	6.18E-42	
C1GALT1C	ENSG0000	0.6	7.35	-2.384	2.66E-69	
C1orf100	ENSG0000	0.15	72.66	-6.001	7.20E-66	
C1orf101	ENSG0000	0.4	19.231	-3.853	6.44E-77	
C1orf105	ENSG0000	0.27	34.63	-4.81	3.19E-64	
C1orf111	ENSG0000	0	72.998	-6.209	4.08E-70	
C1orf141	ENSG0000	0.02	11.07	-3.565	1.08E-99	
C1orf146	ENSG0000	0.2	5.36	-2.406	1.41E-59	
C1orf158	ENSG0000	0.01	61.349	-5.948	7.92E-69	
C1orf159	ENSG0000	8.34	59.128	-2.687	2.21E-76	
C1orf167	ENSG0000	0.55	52.921	-5.121	6.77E-81	

C1orf168	ENSG00000	0.04	3.21	-2.017	2.32E-21
C1orf177	ENSG00000	0.03	5.68	-2.697	8.64E-54
C1orf185	ENSG00000	0	28.699	-4.892	4.18E-62
C1orf189	ENSG00000	0	26.661	-4.79	9.88E-64
C1orf194	ENSG00000	0.2	393.575	-8.361	5.49E-72
C1orf228	ENSG00000	3.42	36.249	-3.075	1.86E-42
C1orf234	ENSG00000	0.1	101.581	-6.543	8.12E-72
C1orf56	ENSG00000	5.06	134.708	-4.485	1.23E-74
C1orf61	ENSG00000	0.86	48.311	-4.729	7.92E-49
C1orf87	ENSG00000	0.01	20.15	-4.388	1.05E-62
C1orf94	ENSG00000	0.11	24.19	-4.504	5.28E-71
C1QTNF3	ENSG00000	0.75	33.861	-4.316	1.77E-53
C1QTNF3-	ENSG00000	0.06	3.71	-2.152	2.71E-85
C1QTNF9B	ENSG00000	0.39	6.03	-2.338	2.32E-51
C1QTNF9B	ENSG00000	1.57	44.191	-4.136	3.98E-61
C20orf141	ENSG00000	0.08	173.946	-7.34	1.22E-73
C20orf144	ENSG00000	0.09	234.866	-7.757	3.00E-78
C20orf173	ENSG00000	0	44.329	-5.502	2.37E-69
C20orf187	ENSG00000	0	4.06	-2.339	1.78E-41
C20orf195	ENSG00000	0.39	144.918	-6.714	8.59E-73
C20orf62	ENSG00000	0	4.93	-2.568	2.57E-49
C20orf78	ENSG00000	0	7.36	-3.064	5.35E-61
C20orf85	ENSG00000	0.12	102.778	-6.534	1.54E-66
C20orf96	ENSG00000	3.16	39.01	-3.266	1.30E-60
C21orf62-	ENSG00000	0.32	7.87	-2.748	8.32E-66
C22orf15	ENSG00000	0.16	7.22	-2.825	1.36E-55
C22orf23	ENSG00000	0.99	117.677	-5.898	3.09E-71
C22orf31	ENSG00000	0.03	10.06	-3.425	2.80E-78
C22orf42	ENSG00000	0.21	21.099	-4.191	4.35E-60
C2orf16	ENSG00000	0.25	24.55	-4.353	2.41E-69
C2orf27A	ENSG00000	1.15	9.82	-2.331	4.42E-88
C2orf27AP:	ENSG00000	0.28	7.56	-2.741	1.24E-68
C2orf40	ENSG00000	0.44	64.771	-5.513	2.39E-56
C2orf42	ENSG00000	8.09	55.341	-2.632	2.72E-59
C2orf57	ENSG00000	0	195.591	-7.619	1.12E-72
C2orf61	ENSG00000	0.05	17.75	-4.158	1.93E-62
C2orf70	ENSG00000	0.06	39.681	-5.262	1.33E-69
C2orf73	ENSG00000	0.06	57.098	-5.776	1.46E-71
C2orf78	ENSG00000	0	14.58	-3.962	1.54E-84
C2orf81	ENSG00000	3.05	34.379	-3.127	4.14E-55
C2orf82	ENSG00000	1.35	14.65	-2.735	1.89E-45
C2orf88	ENSG00000	1.12	92.937	-5.47	1.54E-76
C3orf18	ENSG00000	4.93	30.89	-2.427	1.65E-53
C3orf20	ENSG00000	0.01	7.78	-3.12	2.64E-53
C3orf22	ENSG00000	0.02	65.662	-6.03	1.11E-69
C3orf30	ENSG00000	0	93.687	-6.565	1.58E-73
C3orf62	ENSG00000	4.41	26.319	-2.336	7.11E-59
C3orf67	ENSG00000	5.81	38.51	-2.536	1.12E-38
C3orf84	ENSG00000	0	9.38	-3.376	3.02E-59

C4orf17	ENSG0000I	0	18.9	-4.315	7.32E-62
C4orf22	ENSG0000I	0	36.78	-5.24	9.64E-76
C4orf36	ENSG0000I	1.59	19.86	-3.01	3.96E-53
C4orf45	ENSG0000I	0	16.59	-4.137	1.68E-64
C4orf47	ENSG0000I	1.55	21.891	-3.166	1.91E-43
C4orf48	ENSG0000I	16.381	68.75	-2.005	2.56E-28
C4orf51	ENSG0000I	0.47	9.52	-2.839	5.83E-25
C5orf46	ENSG0000I	0.39	22.59	-4.085	2.18E-55
C5orf47	ENSG0000I	0.12	21.97	-4.358	5.02E-88
C5orf49	ENSG0000I	0.23	47.589	-5.304	6.54E-63
C5orf52	ENSG0000I	0	45.48	-5.539	6.76E-74
C5orf58	ENSG0000I	5.32	180.818	-4.846	2.95E-54
C5orf60	ENSG0000I	0.3	52.37	-5.359	1.97E-66
C5orf63	ENSG0000I	1.34	16.35	-2.89	4.82E-104
C6	ENSG0000I	0.16	4.25	-2.178	1.41E-30
C6orf10	ENSG0000I	0.25	42.479	-5.12	2.56E-56
C6orf118	ENSG0000I	0.08	16.64	-4.03	1.63E-54
C6orf141	ENSG0000I	0.47	9.44	-2.828	1.21E-56
C6orf163	ENSG0000I	2.24	14.98	-2.302	3.47E-30
C6orf165	ENSG0000I	0.26	39.711	-5.014	1.14E-62
C6orf201	ENSG0000I	0.13	76.781	-6.105	1.57E-81
C6orf229	ENSG0000I	0	15.22	-4.02	6.22E-56
C6orf52	ENSG0000I	2.69	18.699	-2.416	5.90E-38
C6orf99	ENSG0000I	0.93	153.819	-6.326	1.64E-79
C7orf31	ENSG0000I	8.19	67.349	-2.895	1.52E-32
C7orf34	ENSG0000I	0.05	86.647	-6.383	3.25E-92
C7orf55	ENSG0000I	34.779	201.885	-2.503	7.50E-41
C7orf61	ENSG0000I	0.37	88.923	-6.036	4.04E-87
C7orf62	ENSG0000I	0	27.34	-4.825	2.59E-66
C7orf66	ENSG0000I	0	3.09	-2.032	4.59E-41
C7orf71	ENSG0000I	0.01	4.76	-2.512	1.05E-63
C7orf72	ENSG0000I	0	3.71	-2.236	1.17E-48
C8orf48	ENSG0000I	0.7	7.81	-2.374	1.35E-60
C8orf74	ENSG0000I	0	23.9	-4.638	1.50E-65
C8orf88	ENSG0000I	7.29	101.342	-3.626	2.88E-72
C8orf89	ENSG0000I	0.17	9.85	-3.213	2.21E-61
C9orf116	ENSG0000I	3.39	84.442	-4.283	8.13E-62
C9orf117	ENSG0000I	0.46	32.5	-4.52	1.61E-75
C9orf131	ENSG0000I	0.08	45.49	-5.428	1.82E-67
C9orf135-1	ENSG0000I	0.07	38.22	-5.196	1.34E-67
C9orf153	ENSG0000I	0.04	15.36	-3.976	7.76E-61
C9orf171	ENSG0000I	0.07	26.031	-4.659	4.55E-69
C9orf172	ENSG0000I	1.01	7.5	-2.08	3.82E-60
C9orf173	ENSG0000I	0.22	92.609	-6.262	1.02E-94
C9orf173-1	ENSG0000I	0.18	10.38	-3.27	1.66E-97
C9orf24	ENSG0000I	0.44	142.982	-6.644	4.80E-59
C9orf43	ENSG0000I	0.81	56.539	-4.99	4.25E-88
C9orf50	ENSG0000I	0.08	10.55	-3.419	1.56E-54
C9orf57	ENSG0000I	0	16.65	-4.142	9.08E-62

C9orf84	ENSG00000	0.16	11.79	-3.463	7.96E-112
C9orf9	ENSG00000	2.79	163.482	-5.44	2.74E-85
CA10	ENSG00000	0.09	19.24	-4.215	2.97E-59
CA5B	ENSG00000	1.7	9.87	-2.009	2.80E-58
CA8	ENSG00000	0.94	13.11	-2.863	1.44E-73
CA9	ENSG00000	2.25	35.7	-3.497	6.35E-38
CAB39L	ENSG00000	2.36	25.189	-2.962	4.24E-69
CABLES2	ENSG00000	2.24	39.921	-3.659	1.06E-69
CABS1	ENSG00000	0.02	128.479	-6.988	2.25E-67
CABYR	ENSG00000	17.47	401.316	-4.445	3.94E-41
CACNA1A	ENSG00000	0.77	6.59	-2.1	3.14E-46
CACNA1C	ENSG00000	1.14	16.23	-3.009	3.54E-29
CACNA1C-1	ENSG00000	0	5.73	-2.751	3.44E-59
CACNA1H	ENSG00000	6.14	44.659	-2.677	1.17E-58
CACNA2D4	ENSG00000	1.81	15.7	-2.571	2.68E-51
CADM1	ENSG00000	6.91	50.59	-2.705	4.66E-39
CADPS	ENSG00000	0.59	7.75	-2.46	3.11E-19
CAGE1	ENSG00000	0.03	7.57	-3.057	5.88E-60
CAHM	ENSG00000	0.95	13.58	-2.902	1.58E-101
CALB2	ENSG00000	1.24	8.57	-2.095	6.48E-18
CALCOCO1	ENSG00000	17.111	83.678	-2.225	1.50E-54
CALCOCO2	ENSG00000	32.45	168.72	-2.343	2.81E-57
CALR3	ENSG00000	0.15	85.07	-6.226	2.91E-82
CALY	ENSG00000	0.98	11.2	-2.623	1.13E-50
CAMK1	ENSG00000	9.45	45.8	-2.163	4.36E-44
CAMK4	ENSG00000	1.4	53.66	-4.509	5.54E-57
CAMKK1	ENSG00000	2.25	12.48	-2.052	1.83E-58
CAND2	ENSG00000	3.55	21.63	-2.314	4.03E-70
CAPN11	ENSG00000	0.29	44.43	-5.138	6.19E-72
CAPN3	ENSG00000	3.63	78.01	-4.093	1.18E-87
CAPS2	ENSG00000	0.74	8.56	-2.458	6.53E-91
CAPSL	ENSG00000	0	11.04	-3.59	2.55E-49
CAPZA3	ENSG00000	0	226.944	-7.833	2.29E-74
CARF	ENSG00000	0.9	9.1	-2.41	2.91E-69
CARHSP1	ENSG00000	112.891	579.071	-2.349	4.00E-33
CARTPT	ENSG00000	0	16.01	-4.088	2.35E-53
CASC1	ENSG00000	1.19	21.86	-3.384	1.69E-56
CASC16	ENSG00000	0	25.64	-4.736	3.74E-65
CASC2	ENSG00000	0.53	11.41	-3.02	2.82E-80
CASC22	ENSG00000	0	11.71	-3.668	2.11E-59
CASC23	ENSG00000	0	10.68	-3.546	2.73E-59
CASQ1	ENSG00000	0.92	7.93	-2.218	7.00E-30
CAST	ENSG00000	17.75	125.931	-2.759	3.23E-57
CATIP	ENSG00000	0.46	10.72	-3.005	1.33E-59
CATSPER1	ENSG00000	0.29	26.58	-4.418	1.19E-61
CATSPER2	ENSG00000	1.12	51.339	-4.626	2.49E-116
CATSPER2I	ENSG00000	0.94	17.019	-3.215	8.01E-84
CATSPER3	ENSG00000	0.8	38.799	-4.467	2.07E-54
CATSPER4	ENSG00000	0.08	16.731	-4.037	2.95E-64

CATSPERD	ENSG00000	0.12	28.46	-4.717	1.19E-70
CATSPERG	ENSG00000	3.58	112.259	-4.628	6.66E-66
CBLN1	ENSG00000	3.58	39.62	-3.149	7.61E-50
CBY3	ENSG00000	0.17	19.821	-4.153	1.60E-68
CC2D2B	ENSG00000	0.14	5.58	-2.529	5.53E-59
CCDC102B	ENSG00000	2.7	16.33	-2.228	8.00E-36
CCDC103	ENSG00000	0.53	32.73	-4.462	5.22E-61
CCDC105	ENSG00000	0	20.959	-4.457	1.89E-62
CCDC108	ENSG00000	0.33	23.02	-4.175	1.31E-68
CCDC110	ENSG00000	0.35	67.162	-5.658	6.60E-80
CCDC113	ENSG00000	1.99	19.53	-2.78	2.72E-55
CCDC114	ENSG00000	0.68	61.141	-5.209	1.30E-85
CCDC116	ENSG00000	0.11	38.529	-5.154	5.04E-84
CCDC121	ENSG00000	2.56	28.249	-3.038	2.16E-55
CCDC126	ENSG00000	7.91	53.02	-2.6	5.71E-42
CCDC13	ENSG00000	0.44	12.41	-3.219	1.07E-79
CCDC136	ENSG00000	9.86	355.596	-5.037	2.03E-65
CCDC144	ENSG00000	3.54	18.47	-2.1	2.43E-16
CCDC146	ENSG00000	1.52	37.281	-3.925	1.13E-80
CCDC148	ENSG00000	0.52	5.81	-2.164	6.38E-51
CCDC15	ENSG00000	1.25	15.06	-2.835	1.19E-67
CCDC150	ENSG00000	7.84	38.18	-2.148	1.22E-33
CCDC151	ENSG00000	1.81	16.71	-2.656	5.74E-59
CCDC153	ENSG00000	0.99	10.32	-2.508	7.67E-54
CCDC154	ENSG00000	0.73	20.78	-3.654	2.52E-87
CCDC155	ENSG00000	0.88	95.63	-5.684	1.12E-81
CCDC157	ENSG00000	2.8	49.6	-3.735	4.86E-73
CCDC158	ENSG00000	0.02	33.21	-5.068	3.26E-89
CCDC159	ENSG00000	9.85	112.813	-3.391	2.08E-77
CCDC166	ENSG00000	0	5.33	-2.662	1.93E-56
CCDC168	ENSG00000	0	9.98	-3.457	3.85E-54
CCDC169	ENSG00000	1.74	116.629	-5.424	6.30E-66
CCDC170	ENSG00000	0.25	5	-2.263	8.63E-36
CCDC171	ENSG00000	2.25	30.099	-3.258	2.41E-52
CCDC172	ENSG00000	1.3	16.82	-2.954	1.59E-53
CCDC173	ENSG00000	0.34	71.169	-5.751	8.46E-78
CCDC175	ENSG00000	0.04	3.34	-2.061	1.37E-68
CCDC176	ENSG00000	1.84	32.251	-3.549	1.74E-72
CCDC178	ENSG00000	0.52	13.67	-3.271	1.09E-74
CCDC179	ENSG00000	0	29.229	-4.918	2.75E-65
CCDC180	ENSG00000	1.1	50.011	-4.602	1.52E-107
CCDC181	ENSG00000	2.37	33.669	-3.363	4.97E-52
CCDC182	ENSG00000	0	36.859	-5.243	2.03E-69
CCDC183	ENSG00000	0.56	69.42	-5.496	1.65E-98
CCDC183-	ENSG00000	0.33	6.41	-2.478	1.11E-79
CCDC184	ENSG00000	0.69	7.92	-2.4	1.15E-49
CCDC185	ENSG00000	0	45.54	-5.54	1.83E-66
CCDC186	ENSG00000	2.59	13.97	-2.06	2.64E-62
CCDC24	ENSG00000	6.9	55.598	-2.841	3.86E-70

CCDC27	ENSG00000	0.01	24	-4.629	4.77E-66
CCDC28B	ENSG00000	8.82	44.359	-2.208	1.76E-43
CCDC30	ENSG00000	0.72	19.67	-3.587	3.30E-79
CCDC33	ENSG00000	0.07	28.58	-4.789	2.75E-60
CCDC34	ENSG00000	10.01	53.541	-2.309	3.92E-34
CCDC36	ENSG00000	0.56	42.109	-4.788	8.02E-93
CCDC37	ENSG00000	0.14	67.798	-5.915	7.52E-66
CCDC37-A	ENSG00000	0	101.623	-6.681	2.73E-71
CCDC38	ENSG00000	0.24	30.17	-4.652	9.07E-59
CCDC39	ENSG00000	0.43	11.45	-3.122	1.55E-102
CCDC40	ENSG00000	1	28.879	-3.901	3.82E-69
CCDC42	ENSG00000	0.24	124.68	-6.663	6.48E-83
CCDC53	ENSG00000	25.351	161.422	-2.624	3.05E-75
CCDC54	ENSG00000	0.03	132.973	-7.023	4.74E-91
CCDC60	ENSG00000	0.24	15.74	-3.755	5.30E-62
CCDC62	ENSG00000	0.37	41.659	-4.961	1.46E-70
CCDC63	ENSG00000	0.64	22.811	-3.86	4.85E-54
CCDC64	ENSG00000	9.87	76.781	-2.839	5.22E-51
CCDC65	ENSG00000	2.42	39.469	-3.565	2.36E-54
CCDC67	ENSG00000	0.17	32.271	-4.83	8.26E-79
CCDC68	ENSG00000	0.26	10.58	-3.2	3.75E-57
CCDC7	ENSG00000	0.48	68.45	-5.552	1.09E-83
CCDC70	ENSG00000	0	169.318	-7.412	3.41E-72
CCDC73	ENSG00000	0.08	4.16	-2.256	5.49E-83
CCDC74A	ENSG00000	9	108.872	-3.458	2.36E-96
CCDC74B	ENSG00000	3.85	83.239	-4.118	8.56E-82
CCDC79	ENSG00000	0.16	14.77	-3.765	1.28E-83
CCDC82	ENSG00000	8.44	49.7	-2.425	4.62E-64
CCDC83	ENSG00000	0	27.059	-4.81	8.64E-72
CCDC87	ENSG00000	0.19	18.01	-3.998	9.48E-76
CCDC88A	ENSG00000	11.55	49.969	-2.022	2.31E-40
CCDC89	ENSG00000	0.13	52.621	-5.568	2.10E-80
CCDC91	ENSG00000	16.75	192.084	-3.443	1.14E-49
CCDC92	ENSG00000	12.7	96.488	-2.831	2.42E-51
CCDC96	ENSG00000	0.91	85.041	-5.493	3.07E-74
CCER1	ENSG00000	0.01	60.249	-5.922	5.40E-84
CCHCR1	ENSG00000	32.39	186.275	-2.488	9.42E-50
CCIN	ENSG00000	0.18	92.577	-6.309	1.90E-65
CCNA1	ENSG00000	1.2	84.459	-5.28	1.70E-47
CCNB3	ENSG00000	0.33	8.84	-2.887	2.37E-74
CCNH	ENSG00000	19.83	87.65	-2.089	1.71E-70
CCNJL	ENSG00000	1.9	16.999	-2.634	2.44E-63
CCNO	ENSG00000	1.97	21.01	-2.89	1.17E-42
CCNY	ENSG00000	27.2	285.767	-3.346	2.79E-53
CCNYL2	ENSG00000	0.05	6.21	-2.78	4.47E-58
CCSER1	ENSG00000	0.21	19.55	-4.086	2.48E-94
CCSER2	ENSG00000	7.72	151.828	-4.131	7.50E-65
CCT6B	ENSG00000	1.49	107.589	-5.447	3.73E-82
CCT8L2	ENSG00000	0.01	25.5	-4.714	1.28E-62

CD200R1L	ENSG00000	0	3.37	-2.128	3.29E-43
CD300LG	ENSG00000	0.4	27.331	-4.339	1.53E-112
CDADC1	ENSG00000	4.13	32.45	-2.705	4.46E-86
CDC14A	ENSG00000	1.76	31.82	-3.572	1.08E-55
CDC14C	ENSG00000	0.02	3.19	-2.038	1.44E-53
CDC20B	ENSG00000	0.05	3.29	-2.031	1.75E-44
CDH12P2	ENSG00000	0	3.71	-2.236	1.09E-04
CDH18	ENSG00000	0.42	11.94	-3.188	3.58E-58
CDH23	ENSG00000	1.73	15.92	-2.632	3.46E-73
CDHR2	ENSG00000	0.14	36.481	-5.039	6.53E-52
CDHR4	ENSG00000	0.06	10.97	-3.497	3.62E-61
CDIPT-AS1	ENSG00000	0.74	150.936	-6.448	2.46E-77
CDK19	ENSG00000	3.44	22.45	-2.401	1.66E-64
CDK20	ENSG00000	2.93	27.429	-2.855	1.83E-82
CDKL2	ENSG00000	0.21	11.47	-3.365	1.75E-69
CDKL3	ENSG00000	0.95	23.801	-3.669	7.07E-86
CDKN2A	ENSG00000	2.92	26.07	-2.788	4.35E-37
CDKN2B	ENSG00000	1.3	9.73	-2.222	4.48E-44
CDKN2D	ENSG00000	8.97	50.811	-2.378	1.23E-56
CDKN3	ENSG00000	26.08	251.793	-3.223	3.32E-31
CDNF	ENSG00000	1.47	30.49	-3.672	2.61E-79
CDRT1	ENSG00000	0.37	17.33	-3.742	2.80E-78
CDRT15	ENSG00000	0.17	21.201	-4.246	7.03E-63
CDRT15L2	ENSG00000	0	20.599	-4.433	6.03E-75
CDRT15P1	ENSG00000	0.17	11.56	-3.424	1.71E-62
CDRT4	ENSG00000	2.2	41.949	-3.746	6.02E-63
CDRT8	ENSG00000	0	3.59	-2.199	1.32E-45
CDYL2	ENSG00000	1.55	9.93	-2.1	1.66E-54
CEACAM19	ENSG00000	2.26	18.84	-2.605	2.75E-59
CELA3A	ENSG00000	0.03	3.23	-2.038	3.52E-24
CELF2-AS1	ENSG00000	0.05	3.56	-2.119	1.36E-77
CELF3	ENSG00000	0.29	5.66	-2.368	5.63E-27
CELF6	ENSG00000	0.88	16.82	-3.245	4.16E-100
CENPU	ENSG00000	24.34	106.809	-2.089	7.86E-26
CEP112	ENSG00000	4.24	112.993	-4.443	2.54E-70
CEP126	ENSG00000	0.76	23.789	-3.816	2.09E-100
CEP162	ENSG00000	4.34	29.191	-2.499	1.03E-62
CEP164	ENSG00000	8.69	67.878	-2.83	5.25E-91
CEP164P1	ENSG00000	0.04	8.99	-3.264	4.97E-64
CEP170	ENSG00000	22.511	111.77	-2.262	4.07E-31
CEP170P1	ENSG00000	0.91	81.069	-5.425	1.66E-41
CEP295NL	ENSG00000	0.13	57.34	-5.69	1.32E-66
CEP350	ENSG00000	7.46	85.68	-3.357	3.46E-65
CEP41	ENSG00000	7.14	91.201	-3.502	2.57E-50
CEP57L1	ENSG00000	5.66	26.02	-2.02	1.17E-61
CEP70	ENSG00000	7.82	51.62	-2.577	5.20E-50
CEP83-AS1	ENSG00000	0.36	14.33	-3.495	7.76E-76
CEP85L	ENSG00000	3.8	46.16	-3.296	2.51E-51
CERS1	ENSG00000	8.48	37.519	-2.023	1.65E-45

CERS3	ENSG00000	0.2	16.68	-3.881	1.13E-66
CES4A	ENSG00000	1.9	16.151	-2.564	1.10E-80
CETN1	ENSG00000	0.1	166.34	-7.249	1.03E-80
CETN3	ENSG00000	26.009	167.753	-2.643	5.19E-51
CFAP126	ENSG00000	0.08	31.449	-4.909	7.64E-45
CFAP221	ENSG00000	0.87	47.389	-4.694	3.89E-69
CFAP43	ENSG00000	1.02	56.519	-4.832	4.75E-66
CFAP44	ENSG00000	1.82	19.5	-2.862	9.13E-71
CFAP44-A	ENSG00000	0	6.51	-2.909	3.46E-48
CFAP45	ENSG00000	0.45	47.408	-5.061	4.62E-65
CFAP46	ENSG00000	1.02	25.989	-3.74	1.77E-68
CFAP52	ENSG00000	0.19	17.64	-3.969	1.83E-66
CFAP53	ENSG00000	0.58	97.113	-5.956	3.04E-83
CFAP57	ENSG00000	0.31	19.191	-3.946	3.77E-72
CFAP58	ENSG00000	0.44	17.321	-3.669	6.96E-64
CFAP61	ENSG00000	0.35	21.93	-4.086	5.48E-63
CFAP69	ENSG00000	1.36	11.28	-2.379	4.77E-64
CFAP70	ENSG00000	1.19	44.099	-4.364	1.49E-96
CFAP74	ENSG00000	0.13	18.77	-4.129	5.02E-88
CFAP99	ENSG00000	0.06	19.231	-4.254	3.18E-80
CFD	ENSG00000	10.81	57.221	-2.302	4.73E-21
CH17-140	ENSG00000	0.16	63.319	-5.793	1.52E-66
CH17-264	ENSG00000	0	3.2	-2.07	2.11E-17
CH17-53B	ENSG00000	0	5.53	-2.707	7.87E-71
CH507-21	ENSG00000	0.02	3.18	-2.035	9.85E-35
CH507-39	ENSG00000	0.24	6.97	-2.684	1.39E-27
CH507-42	ENSG00000	0.06	3.93	-2.218	1.24E-66
CHCHD2P	ENSG00000	1.24	8.18	-2.035	1.35E-51
CHCHD6	ENSG00000	18.13	77.6	-2.039	3.84E-45
CHD5	ENSG00000	0.38	73.981	-5.764	4.28E-87
CHDH	ENSG00000	0.96	7.64	-2.14	2.61E-52
CHGA	ENSG00000	4.06	98.632	-4.299	5.04E-52
CHGB	ENSG00000	2.79	16.53	-2.21	2.06E-26
CHKA	ENSG00000	10.17	123.536	-3.479	7.82E-80
CHMP4BP1	ENSG00000	0.73	6.86	-2.184	8.60E-55
CHODL	ENSG00000	3.44	28.719	-2.743	1.04E-43
CHP2	ENSG00000	0.14	5.68	-2.551	5.60E-42
CHRM3-A	ENSG00000	0.38	26.829	-4.334	2.28E-85
CHRM4	ENSG00000	0.05	6.31	-2.8	3.15E-65
CHST1	ENSG00000	2.48	16.48	-2.329	2.39E-33
CHST13	ENSG00000	0.97	24.07	-3.67	4.61E-44
CHST3	ENSG00000	1.7	22.29	-3.109	2.65E-59
CIB4	ENSG00000	0.05	22.441	-4.481	9.84E-61
CITED1	ENSG00000	1.99	243.216	-6.352	2.26E-71
CITED4	ENSG00000	3.67	31.43	-2.796	2.92E-54
CKLF-CMT	ENSG00000	0.65	11.79	-2.954	6.85E-64
CKM	ENSG00000	0.27	12.73	-3.434	3.28E-64
CKMT2	ENSG00000	1.22	8.21	-2.053	1.60E-53
CLCN2	ENSG00000	3.56	32.52	-2.878	1.08E-74

CLCNKA	ENSG00000	0.35	9.17	-2.913	9.35E-68
CLDN11	ENSG00000	3.31	195.482	-5.511	2.98E-58
CLDND2	ENSG00000	1.14	57.412	-4.771	1.72E-79
CLEC12B	ENSG00000	0.31	20.97	-4.068	8.06E-103
CLEC16A	ENSG00000	8.42	79.621	-3.097	1.51E-90
CLEC18A	ENSG00000	0.51	8.92	-2.716	2.67E-49
CLEC18B	ENSG00000	0.6	25.01	-4.023	1.39E-52
CLEC18C	ENSG00000	0.27	8.75	-2.941	1.09E-45
CLEC3B	ENSG00000	3.06	147.983	-5.198	1.72E-62
CLEC4M	ENSG00000	0.05	4.71	-2.443	1.80E-44
CLGN	ENSG00000	0.35	63.928	-5.588	4.54E-73
CLIC5	ENSG00000	0.46	8.36	-2.681	3.67E-44
CLIP1-AS1	ENSG00000	0	4.77	-2.529	1.24E-53
CLIP4	ENSG00000	2.5	29.51	-3.124	4.77E-68
CLK2P1	ENSG00000	0.04	37.579	-5.213	5.92E-76
CLK4	ENSG00000	5.75	36.511	-2.474	2.27E-93
CLMN	ENSG00000	4.98	99.753	-4.075	9.33E-61
CLPB	ENSG00000	9.94	431.225	-5.304	2.94E-59
CLPS	ENSG00000	0	3.65	-2.217	1.65E-17
CLTCL1	ENSG00000	3.82	67.409	-3.827	1.45E-86
CLU	ENSG00000	159.575	3440.016	-4.422	2.70E-47
CLYBL-AS1	ENSG00000	0	7.61	-3.106	2.24E-57
CMTM1	ENSG00000	0.5	69.261	-5.55	3.41E-73
CMTM2	ENSG00000	0.18	862.212	-9.515	4.92E-88
CNBD1	ENSG00000	0	10.72	-3.551	2.16E-61
CNBD2	ENSG00000	2.01	34.41	-3.556	5.14E-70
CNGA4	ENSG00000	0.12	7.93	-2.995	4.89E-63
CNKSR3	ENSG00000	2.31	13.36	-2.117	1.74E-25
CNN1	ENSG00000	8.67	119.46	-3.639	2.09E-45
CNNM1	ENSG00000	0.65	13.12	-3.097	2.55E-87
CNTD1	ENSG00000	0.77	55.391	-4.994	1.53E-95
CNTFR-AS1	ENSG00000	0	14.54	-3.958	1.27E-63
CNTN1	ENSG00000	0.73	7.44	-2.286	2.70E-31
CNTN2	ENSG00000	0.12	10.99	-3.42	2.62E-42
CNTN4	ENSG00000	1.29	14.41	-2.75	8.35E-36
CNTRL	ENSG00000	6.99	45.079	-2.528	3.12E-60
COIL	ENSG00000	11.73	69.569	-2.471	9.76E-46
COL11A1	ENSG00000	1.24	10.67	-2.381	4.18E-13
COL11A2	ENSG00000	0.64	13.61	-3.155	4.83E-55
COL16A1	ENSG00000	6.96	125.287	-3.988	1.22E-39
COL20A1	ENSG00000	1.49	26.58	-3.469	1.97E-59
COL25A1	ENSG00000	0.21	27.441	-4.555	5.64E-66
COL28A1	ENSG00000	0.71	6.46	-2.125	4.59E-42
COL7A1	ENSG00000	9.61	54.281	-2.381	4.35E-23
COL9A1	ENSG00000	0.41	8.97	-2.822	4.96E-17
COLCA1	ENSG00000	0.33	10.34	-3.092	1.70E-70
COLCA2	ENSG00000	0.52	14.03	-3.306	4.69E-77
COLQ	ENSG00000	1.01	7.69	-2.112	5.11E-57
COMP	ENSG00000	3.17	20.17	-2.344	1.05E-16

COPRS	ENSG00000	45.361	310.402	-2.748	7.30E-60
COPZ2	ENSG00000	4.97	33.339	-2.524	3.67E-21
COX6B2	ENSG00000	0.96	188.719	-6.597	9.50E-79
COX7B2	ENSG00000	0.73	106.668	-5.96	1.16E-66
COX7CP1	ENSG00000	0	4.33	-2.414	9.09E-30
COX8C	ENSG00000	4.36	97.059	-4.193	1.34E-41
CPA1	ENSG00000	0.09	6.29	-2.742	4.90E-41
CPA5	ENSG00000	0.25	48.778	-5.316	1.59E-65
CPB1	ENSG00000	0.03	3.16	-2.014	7.67E-34
CPD	ENSG00000	7.75	49.511	-2.529	1.23E-44
CPE	ENSG00000	12.28	95.722	-2.865	1.43E-24
CPEB2	ENSG00000	1.94	46.5	-4.014	3.29E-91
CPEB2-AS1	ENSG00000	0.01	6.75	-2.94	6.65E-73
CPEB3	ENSG00000	1.03	16.71	-3.125	1.50E-66
CPEB4	ENSG00000	1.79	12.15	-2.237	4.77E-68
CPLX3	ENSG00000	0.11	8.87	-3.152	7.27E-82
CPNE5	ENSG00000	3.91	34.709	-2.863	1.06E-48
CPT1B	ENSG00000	14.07	138.169	-3.207	5.12E-65
CPTP	ENSG00000	11.99	91.868	-2.838	1.19E-63
CPXCR1	ENSG00000	0	5.09	-2.606	1.74E-55
CRADD	ENSG00000	5.93	29.821	-2.153	2.18E-65
CRAT	ENSG00000	8.67	226.096	-4.554	2.08E-85
CRB1	ENSG00000	0.03	3.92	-2.256	5.53E-75
CREB1	ENSG00000	11.62	65.109	-2.389	3.79E-40
CREM	ENSG00000	23.489	360.435	-3.884	1.51E-70
CRIP3	ENSG00000	2.7	54.879	-3.917	3.57E-67
CRIPAK	ENSG00000	1.92	19.53	-2.814	2.15E-96
CRISP2	ENSG00000	0.12	612.259	-9.097	1.57E-79
CRNDE	ENSG00000	9.87	282.282	-4.704	2.14E-59
CRY2	ENSG00000	10.72	50.959	-2.148	6.87E-63
CRYAB	ENSG00000	4.26	28.521	-2.489	2.16E-20
CRYBA2	ENSG00000	0.25	6.04	-2.494	2.01E-47
CRYBG3	ENSG00000	1.97	25.91	-3.18	6.15E-71
CSAD	ENSG00000	9.88	64.592	-2.592	1.35E-56
CSAG3	ENSG00000	0.27	5.1	-2.264	1.60E-24
CSDAP1	ENSG00000	0.06	6.21	-2.766	3.38E-66
CSDC2	ENSG00000	0.49	36.091	-4.638	2.21E-89
CSE1L-AS1	ENSG00000	0.06	16.85	-4.074	6.10E-70
CSMD2-AS1	ENSG00000	0	102.757	-6.697	2.72E-73
CSNK1A1L	ENSG00000	0	3.46	-2.157	1.77E-50
CSNK1G1	ENSG00000	3.91	20.91	-2.158	3.33E-44
CSNK1G2	ENSG00000	37.59	242.913	-2.66	2.34E-63
CSNK1G2-AS1	ENSG00000	0.02	14.28	-3.905	2.36E-64
CSNK2A2	ENSG00000	42.22	181.785	-2.08	3.23E-48
CST13P	ENSG00000	0	38.62	-5.308	1.66E-67
CST3	ENSG00000	249.05	1000.149	-2.001	1.94E-35
CST8	ENSG00000	0	27.389	-4.827	6.99E-66
CST9L	ENSG00000	0	80.097	-6.342	2.40E-102
CSTL1	ENSG00000	0.06	11.24	-3.529	2.12E-56

CT45A1	ENSG00000	0.17	8.44	-3.012	2.17E-23
CT45A10	ENSG00000	0.13	7.59	-2.926	1.03E-26
CT45A3	ENSG00000	0.17	12.81	-3.561	1.84E-25
CT45A5	ENSG00000	0.13	4.08	-2.168	1.10E-16
CT47B1	ENSG00000	0	8.28	-3.214	1.61E-75
CT55	ENSG00000	0.16	4.9	-2.347	1.15E-57
CT62	ENSG00000	0.06	38.149	-5.207	7.41E-69
CT83	ENSG00000	0.9	73.541	-5.294	9.77E-58
CTA-125H	ENSG00000	0	18.1	-4.256	2.34E-61
CTA-299D	ENSG00000	0.02	5.9	-2.758	2.14E-56
CTA-398F1	ENSG00000	0	4.89	-2.558	2.65E-46
CTA-407F1	ENSG00000	0	29.871	-4.948	2.77E-74
CTAG1A	ENSG00000	0.21	15.47	-3.767	1.21E-40
CTAG2	ENSG00000	1.45	12.98	-2.513	3.02E-19
CTAGE1	ENSG00000	0	11.94	-3.694	3.81E-76
CTAGE10P	ENSG00000	0.02	5.68	-2.711	1.06E-64
CTAGE11P	ENSG00000	0.01	4.59	-2.468	2.82E-55
CTAGE13P	ENSG00000	0	5.76	-2.757	2.10E-65
CTAGE15	ENSG00000	0.29	9.25	-2.99	7.41E-40
CTAGE16P	ENSG00000	0	4.14	-2.362	5.42E-56
CTAGE3P	ENSG00000	0.34	8.66	-2.85	5.40E-44
CTAGE4	ENSG00000	2.85	15.15	-2.069	3.95E-21
CTAGE6	ENSG00000	0	14.55	-3.959	4.38E-63
CTAGE7P	ENSG00000	0.17	6.59	-2.698	1.01E-77
CTAGE8	ENSG00000	1.75	10.89	-2.112	4.68E-25
CTAGE9	ENSG00000	0	9.64	-3.411	2.31E-63
CTB-134H	ENSG00000	0.1	10.4	-3.374	1.62E-66
CTB-147C	ENSG00000	0	6.79	-2.962	2.45E-51
CTB-164N	ENSG00000	0	3.09	-2.032	1.25E-55
CTB-167B	ENSG00000	0	4.36	-2.422	1.19E-58
CTB-174D	ENSG00000	0	24.45	-4.67	2.49E-67
CTB-181F	ENSG00000	0	10.56	-3.531	2.97E-51
CTB-31O	ENSG00000	0.92	34.441	-4.206	8.12E-106
CTB-32O	ENSG00000	0.12	7.41	-2.909	4.74E-90
CTB-33O	ENSG00000	0.03	6.05	-2.775	2.40E-64
CTB-35F	ENSG00000	0	30.02	-4.955	9.83E-73
CTB-50L	ENSG00000	0.3	7.91	-2.777	1.08E-67
CTB-55O	ENSG00000	0.12	10.47	-3.356	2.41E-75
CTB-79E	ENSG00000	0	8.94	-3.313	3.06E-59
CTB-91J	ENSG00000	0	6.49	-2.905	1.20E-60
CTC-1337	ENSG00000	0.13	5.49	-2.522	1.68E-77
CTC-203F	ENSG00000	0.08	12.55	-3.649	7.19E-74
CTC-232P	ENSG00000	0	5.23	-2.639	3.59E-49
CTC-270D	ENSG00000	0.63	11.84	-2.978	1.16E-59
CTC-273B	ENSG00000	0.25	25.029	-4.38	4.62E-67
CTC-308K	ENSG00000	0.32	6.02	-2.411	6.75E-86
CTC-338M	ENSG00000	0	11.06	-3.592	9.48E-62
CTC-338M	ENSG00000	0.94	33.92	-4.17	1.46E-87
CTC-338M	ENSG00000	0	3.94	-2.305	1.07E-73

CTC-347C: ENSG00000	0	3.87	-2.284	7.10E-56
CTC-347C: ENSG00000	0	5.25	-2.644	1.96E-55
CTC-360P9: ENSG00000	0	4.55	-2.473	1.01E-56
CTC-360P9: ENSG00000	0	6	-2.807	1.33E-54
CTC-360P9: ENSG00000	0	3.02	-2.007	8.05E-55
CTC-439O: ENSG00000	0	4.3	-2.406	3.09E-47
CTC-441N: ENSG00000	0	256.745	-8.01	6.17E-76
CTC-453G: ENSG00000	0	8.37	-3.228	1.44E-57
CTC-459F4: ENSG00000	0	3.09	-2.032	1.85E-34
CTC-459M: ENSG00000	0	12.08	-3.709	4.57E-61
CTC-471J1: ENSG00000	1.05	7.88	-2.115	1.23E-68
CTC-479C: ENSG00000	0	4.89	-2.558	1.01E-62
CTC-523E2: ENSG00000	0.14	17.38	-4.011	2.51E-62
CTC-523E2: ENSG00000	0	4.69	-2.508	1.58E-61
CTC-523E2: ENSG00000	0.08	4.45	-2.335	1.57E-58
CTC-523E2: ENSG00000	0.07	5.56	-2.616	6.01E-68
CTC-523E2: ENSG00000	0.05	11.92	-3.621	2.81E-78
CTC-527H: ENSG00000	0	13.07	-3.815	2.39E-61
CTC-543D: ENSG00000	0.7	8.32	-2.455	1.35E-74
CTC-559E9: ENSG00000	0	4.26	-2.395	7.47E-57
CTC-774J1: ENSG00000	0	3.34	-2.118	9.81E-55
CTCFL: ENSG00000	0.2	9.11	-3.075	1.60E-77
CTD-2006: ENSG00000	4.33	23.91	-2.225	1.27E-68
CTD-2008: ENSG00000	0.13	26.891	-4.625	9.55E-85
CTD-2010: ENSG00000	0	6.41	-2.889	6.00E-58
CTD-2012: ENSG00000	1.2	15.76	-2.929	8.97E-05
CTD-2014: ENSG00000	0.04	10.71	-3.493	3.54E-72
CTD-2014: ENSG00000	0	4.74	-2.521	3.86E-52
CTD-2014: ENSG00000	0.06	4.01	-2.241	1.32E-59
CTD-2015: ENSG00000	0	17.73	-4.227	3.87E-63
CTD-2015: ENSG00000	1.94	14.26	-2.376	5.04E-53
CTD-2021: ENSG00000	1.2	55.749	-4.689	1.03E-56
CTD-2021: ENSG00000	2.24	54.829	-4.107	2.42E-49
CTD-2022: ENSG00000	0	4.19	-2.376	5.46E-73
CTD-2022: ENSG00000	0.05	5.94	-2.725	6.82E-78
CTD-2024: ENSG00000	0	4.9	-2.561	3.03E-37
CTD-2033: ENSG00000	0.35	4.94	-2.138	3.51E-81
CTD-2033: ENSG00000	0	4.72	-2.516	1.02E-56
CTD-2036: ENSG00000	0.26	6.4	-2.554	9.61E-58
CTD-2050: ENSG00000	0	3.6	-2.202	1.15E-57
CTD-2054: ENSG00000	1.45	18.35	-2.982	6.80E-78
CTD-2071: ENSG00000	0	15.61	-4.054	4.75E-53
CTD-2071: ENSG00000	0	5.74	-2.753	2.09E-53
CTD-2083: ENSG00000	0.09	12.91	-3.674	9.94E-78
CTD-2086: ENSG00000	0.03	4.74	-2.478	1.78E-62
CTD-2105: ENSG00000	0.04	12.51	-3.699	2.36E-74
CTD-2116: ENSG00000	0.12	20.069	-4.234	4.71E-60
CTD-2118: ENSG00000	0.05	23.209	-4.527	7.17E-64
CTD-2135: ENSG00000	0.02	5.8	-2.737	3.85E-62

CTD-2143 ENSG0000	0	9.16	-3.345	1.81E-58
CTD-2144 ENSG0000	0.62	10.23	-2.793	1.33E-35
CTD-2151 ENSG0000	0	4.7	-2.511	1.84E-52
CTD-2170 ENSG0000	0	9.67	-3.416	1.52E-57
CTD-2184 ENSG0000	0.18	58.088	-5.646	1.43E-74
CTD-2194 ENSG0000	0	5.05	-2.597	1.86E-66
CTD-2194 ENSG0000	0.02	3.22	-2.049	4.85E-63
CTD-2200 ENSG0000	0.28	11.48	-3.285	9.45E-69
CTD-2201 ENSG0000	0.87	8.78	-2.387	5.13E-66
CTD-2201 ENSG0000	0.03	5.61	-2.682	1.37E-57
CTD-2201 ENSG0000	0.07	3.72	-2.141	3.30E-65
CTD-2210 ENSG0000	0	103.982	-6.714	1.69E-86
CTD-2210 ENSG0000	0	4.46	-2.449	5.53E-51
CTD-2228 ENSG0000	7.41	160.362	-4.262	4.47E-77
CTD-2231 ENSG0000	0	9.3	-3.365	7.78E-53
CTD-2260 ENSG0000	0.41	4.86	-2.055	1.38E-84
CTD-2267 ENSG0000	0.1	8.72	-3.143	6.00E-73
CTD-2270 ENSG0000	1.24	14.69	-2.808	1.40E-80
CTD-2270 ENSG0000	0.35	4.62	-2.058	1.58E-72
CTD-2277 ENSG0000	0	5.28	-2.651	5.05E-62
CTD-2281 ENSG0000	0	3.08	-2.029	1.08E-44
CTD-2291 ENSG0000	0	5.26	-2.646	9.18E-54
CTD-2296 ENSG0000	0	8.33	-3.222	7.84E-57
CTD-2296 ENSG0000	0	19.44	-4.353	3.92E-55
CTD-2303 ENSG0000	4.11	23.02	-2.233	9.63E-28
CTD-2313 ENSG0000	0	6.98	-2.996	1.58E-47
CTD-2314 ENSG0000	0	8.56	-3.257	2.00E-74
CTD-2329 ENSG0000	0	3.18	-2.064	1.67E-58
CTD-2330 ENSG0000	0	9.2	-3.351	8.81E-61
CTD-2330 ENSG0000	0.06	9.64	-3.327	1.37E-59
CTD-2350 ENSG0000	0	5.16	-2.623	6.86E-65
CTD-2376 ENSG0000	0.66	8.8	-2.562	1.83E-57
CTD-2501 ENSG0000	0	3.9	-2.293	1.57E-51
CTD-2506 ENSG0000	0.85	10.33	-2.615	2.59E-55
CTD-2514 ENSG0000	0.47	6.1	-2.272	1.42E-30
CTD-2517 ENSG0000	1.12	9.59	-2.321	3.99E-77
CTD-2520 ENSG0000	0	19.39	-4.35	6.73E-63
CTD-2528 ENSG0000	0	5.21	-2.635	4.45E-56
CTD-2530 ENSG0000	1.16	14.49	-2.842	7.39E-48
CTD-2537 ENSG0000	4.43	30.519	-2.537	1.40E-66
CTD-2538 ENSG0000	1.47	68.94	-4.824	4.34E-73
CTD-2538 ENSG0000	0	6.3	-2.868	6.70E-67
CTD-2542 ENSG0000	0	7.57	-3.099	2.01E-60
CTD-2544 ENSG0000	0	6.56	-2.918	3.23E-61
CTD-2553 ENSG0000	2.33	15.41	-2.301	2.29E-67
CTD-2560 ENSG0000	0	9.5	-3.392	1.09E-67
CTD-2568 ENSG0000	0.07	267.148	-7.969	1.43E-76
CTD-2568 ENSG0000	0	13.44	-3.852	1.96E-66
CTD-2576 ENSG0000	0.23	6.18	-2.545	2.20E-76

CTD-2583	ENSG0000	0.03	3.22	-2.035	9.60E-52
CTD-2586	ENSG0000	0	7.9	-3.154	1.79E-57
CTD-2588	ENSG0000	0.06	6.13	-2.75	6.80E-64
CTD-2623	ENSG0000	0.03	3.17	-2.017	1.72E-63
CTD-2623	ENSG0000	0	5.04	-2.595	6.86E-66
CTD-2631	ENSG0000	0	4.98	-2.58	3.41E-66
CTD-2647	ENSG0000	0	10.27	-3.494	9.16E-51
CTD-2649	ENSG0000	0.13	11.53	-3.471	2.85E-77
CTD-2650	ENSG0000	0.35	6.32	-2.439	3.38E-61
CTD-2655	ENSG0000	0.06	17.39	-4.117	3.36E-80
CTD-2666	ENSG0000	2.2	15.57	-2.372	2.34E-50
CTD-3028	ENSG0000	0	9.98	-3.457	1.62E-62
CTD-3035	ENSG0000	0.62	13.66	-3.178	4.43E-75
CTD-3074	ENSG0000	0	3.92	-2.299	1.89E-56
CTD-3074	ENSG0000	1.78	22.73	-3.094	8.17E-71
CTD-3080	ENSG0000	0.09	4.95	-2.449	6.37E-40
CTD-3088	ENSG0000	0.7	6.42	-2.126	4.70E-56
CTD-3154	ENSG0000	0.5	5.66	-2.151	1.53E-59
CTD-3162	ENSG0000	12.69	78.27	-2.534	1.89E-23
CTD-3179	ENSG0000	0.05	4.48	-2.384	7.81E-60
CTD-3185	ENSG0000	1.44	14.99	-2.712	9.80E-69
CTD-3187	ENSG0000	0	22.119	-4.531	3.12E-72
CTD-3194	ENSG0000	0	3.56	-2.189	7.39E-51
CTD-3220	ENSG0000	8.57	116.969	-3.624	2.07E-40
CTGLF11P	ENSG0000	0.27	7.67	-2.771	1.67E-55
CTGLF12P	ENSG0000	1.04	18.04	-3.222	4.40E-65
CTNNA2	ENSG0000	0.47	24.609	-4.123	3.16E-79
CTNNA3	ENSG0000	0.47	11.1	-3.041	5.79E-62
CTRB1	ENSG0000	0	3.38	-2.131	6.92E-24
CTRB2	ENSG0000	0.04	3.69	-2.173	4.00E-20
CTSF	ENSG0000	8	184.17	-4.363	1.26E-89
CTSG	ENSG0000	0.06	4.06	-2.255	4.54E-29
CUL3	ENSG0000	49.05	271.497	-2.445	5.60E-56
CUL9	ENSG0000	20.5	92.5	-2.121	3.71E-59
CXADRP2	ENSG0000	0	28.41	-4.878	1.04E-76
CXADRP3	ENSG0000	0.06	13.32	-3.756	2.30E-71
CXCL16	ENSG0000	23.091	203.543	-3.086	8.72E-33
CXorf49	ENSG0000	0.17	7.41	-2.846	3.63E-29
CXorf49B	ENSG0000	0.17	4.66	-2.274	5.42E-13
CXorf51B	ENSG0000	0	164.688	-7.372	8.74E-81
CXorf58	ENSG0000	0.08	3.37	-2.017	2.16E-68
CXorf65	ENSG0000	0.97	49.121	-4.669	5.22E-49
CXorf66	ENSG0000	0	16.979	-4.168	2.39E-70
CYB5D2	ENSG0000	7.63	40.961	-2.282	3.34E-56
CYB5R2	ENSG0000	15.83	188.105	-3.49	9.09E-61
CYB5R4	ENSG0000	6.04	33.109	-2.276	5.39E-37
CYLC1	ENSG0000	0	36.46	-5.227	2.02E-70
CYLC2	ENSG0000	0	89.498	-6.5	1.91E-68
CYP11A1	ENSG0000	2.09	33.27	-3.471	3.14E-47

CYP11B1	ENSG00000	0	5.28	-2.651	4.88E-68
CYP17A1	ENSG00000	0.15	15.25	-3.821	5.65E-31
CYP17A1-1	ENSG00000	0.18	20.669	-4.199	2.27E-79
CYP19A1	ENSG00000	0.16	21.17	-4.256	9.19E-71
CYP26B1	ENSG00000	1.04	16.58	-3.107	2.79E-53
CYP2C8	ENSG00000	1.1	9.23	-2.284	1.32E-36
CYP4F26P	ENSG00000	0.85	12.7	-2.889	4.06E-33
CYP4F29P	ENSG00000	1.43	19.8	-3.098	2.71E-32
CYP4F30P	ENSG00000	0.13	29.821	-4.77	4.87E-75
CYP4F32P	ENSG00000	0	18.29	-4.27	6.71E-70
CYP4F34P	ENSG00000	0	11.86	-3.685	4.92E-80
CYP4F35P	ENSG00000	0.52	20.26	-3.806	1.61E-44
CYP4F62P	ENSG00000	0.05	20.4	-4.349	4.60E-61
CYP51A1-1	ENSG00000	0.07	3.66	-2.123	5.46E-73
DAAM2	ENSG00000	2.28	20.45	-2.709	2.75E-43
DAB1-AS1	ENSG00000	0	49.59	-5.661	5.48E-70
DACH1	ENSG00000	0.4	4.94	-2.085	1.32E-30
DACT3	ENSG00000	1.55	22.841	-3.225	1.39E-34
DACT3-AS	ENSG00000	0.19	9.4	-3.128	2.76E-62
DAW1	ENSG00000	0.05	44.029	-5.422	1.71E-73
DAZ1	ENSG00000	0.12	6.92	-2.822	1.66E-49
DAZL	ENSG00000	0.62	41.711	-4.721	5.01E-19
DBIL5P	ENSG00000	0.68	37.32	-4.512	7.83E-73
DCAF10	ENSG00000	5.96	43.74	-2.684	8.69E-63
DCAF12L1	ENSG00000	0.61	6.09	-2.139	4.72E-55
DCAF12L2	ENSG00000	0.33	5.79	-2.352	8.20E-55
DCAF4L1	ENSG00000	0.35	22.83	-4.142	9.71E-22
DCAF8L2	ENSG00000	0.19	19.44	-4.102	4.45E-80
DCC	ENSG00000	0.12	26.13	-4.598	1.64E-61
DCDC1	ENSG00000	0.11	5.13	-2.465	1.01E-66
DCDC2C	ENSG00000	0.02	6.28	-2.835	8.17E-61
DCST1	ENSG00000	0.04	10.39	-3.453	4.15E-66
DCST2	ENSG00000	1.21	24.69	-3.539	2.51E-62
DCUN1D1	ENSG00000	10.53	303.488	-4.723	3.05E-58
DDAH1	ENSG00000	2.28	14.98	-2.285	1.38E-24
DDI1	ENSG00000	0	30.98	-4.999	1.89E-67
DDX11L1	ENSG00000	0.27	4.14	-2.017	1.41E-49
DDX11L2	ENSG00000	1.57	15.401	-2.674	2.55E-56
DDX20	ENSG00000	10.32	67.991	-2.608	1.83E-46
DDX25	ENSG00000	3.43	103.371	-4.558	4.21E-63
DDX4	ENSG00000	2.02	131.607	-5.456	9.96E-59
DDX53	ENSG00000	0.71	5.91	-2.015	2.08E-40
DEFB119	ENSG00000	0.08	453.575	-8.717	8.62E-83
DEFB121	ENSG00000	0	6.17	-2.842	2.51E-54
DEFB123	ENSG00000	0.83	165.742	-6.51	4.43E-82
DEFB124	ENSG00000	2.55	15.41	-2.209	3.32E-23
DENND6A	ENSG00000	0	3.83	-2.272	8.70E-64
DENND6B	ENSG00000	3.47	22.36	-2.386	3.66E-52
DEPDC7	ENSG00000	4.89	24.981	-2.141	1.55E-27

DESI1	ENSG00000	15.11	65.871	-2.053	2.92E-53
DFNB31	ENSG00000	4.96	82.458	-3.808	3.27E-112
DFNB59	ENSG00000	1.55	44.12	-4.145	1.71E-103
DGAT2	ENSG00000	3.66	52.388	-3.518	6.43E-40
DGCR5	ENSG00000	0.59	6.78	-2.291	1.60E-41
DGCR6	ENSG00000	12.54	53.511	-2.009	1.39E-30
DGCR9	ENSG00000	0.22	6.45	-2.61	1.28E-49
DHH	ENSG00000	0.1	22.23	-4.4	3.44E-100
DHRS2	ENSG00000	0.33	5.36	-2.258	3.33E-25
DHRS4L1	ENSG00000	0.22	5.99	-2.518	4.94E-67
DHRS9	ENSG00000	1.76	13.42	-2.385	2.39E-23
DIAPH3	ENSG00000	3.25	20.11	-2.312	3.31E-30
DIAPH3-A1	ENSG00000	0	8	-3.17	1.23E-50
DIAPH3-A2	ENSG00000	0	12.43	-3.747	5.21E-59
DICER1-AS1	ENSG00000	3.61	23.03	-2.382	1.44E-65
DIO3OS	ENSG00000	0.65	27.05	-4.087	4.02E-46
DISP1	ENSG00000	0.85	8.17	-2.309	1.19E-41
DKFZP434H	ENSG00000	0	4.89	-2.558	1.79E-59
DKFZp434J	ENSG00000	2.31	12.29	-2.005	4.32E-36
DKFZP434I	ENSG00000	0	15.89	-4.078	4.97E-63
DKFZp779M	ENSG00000	0.1	4.21	-2.244	4.78E-57
DKKL1	ENSG00000	4.45	466.133	-6.421	1.34E-60
DLEC1	ENSG00000	0.34	31.089	-4.582	8.27E-101
DLG1-AS1	ENSG00000	0.05	6.79	-2.891	1.11E-68
DLG2	ENSG00000	0.52	5.66	-2.131	3.39E-34
DLG4	ENSG00000	8.03	46.131	-2.384	1.49E-54
DLGAP1	ENSG00000	0.71	6.24	-2.082	3.71E-48
DLGAP2	ENSG00000	0.06	14.64	-3.883	7.82E-64
DLGAP2-A	ENSG00000	0	5.3	-2.655	9.56E-52
DLGAP4-A	ENSG00000	0.88	8.95	-2.404	1.67E-63
DLX6	ENSG00000	0.1	7.73	-2.989	3.49E-86
DMGDH	ENSG00000	0.49	5.64	-2.156	5.84E-101
DMRT1	ENSG00000	3.59	26.44	-2.58	5.82E-23
DMRT3	ENSG00000	0.32	12.29	-3.332	4.80E-73
DMRTB1	ENSG00000	0.85	86.737	-5.568	1.74E-72
DMRTC1B	ENSG00000	0.21	11.42	-3.36	9.69E-57
DMRTC2	ENSG00000	0.07	60.249	-5.839	2.17E-100
DNAAF1	ENSG00000	0.85	132.119	-6.169	4.71E-70
DNAAF3	ENSG00000	2.29	141.807	-5.44	4.57E-64
DNAH1	ENSG00000	2.04	32.71	-3.471	4.19E-94
DNAH10	ENSG00000	1.91	15.83	-2.532	8.03E-25
DNAH12	ENSG00000	0.12	20.269	-4.247	2.04E-81
DNAH14	ENSG00000	5.72	34.961	-2.42	7.23E-45
DNAH17	ENSG00000	1.04	38.799	-4.286	3.12E-77
DNAH2	ENSG00000	0.11	8.65	-3.12	2.48E-64
DNAH3	ENSG00000	0.33	6.84	-2.559	5.39E-66
DNAH6	ENSG00000	0.13	9.81	-3.258	4.45E-62
DNAH7	ENSG00000	0.11	14.65	-3.818	1.77E-78
DNAH8	ENSG00000	0.28	6.37	-2.526	1.36E-58

DNAH9	ENSG00000	0.65	14.36	-3.219	8.08E-58
DNAI1	ENSG00000	0.77	54.24	-4.964	5.01E-71
DNAI2	ENSG00000	0.05	49.99	-5.602	1.28E-78
DNAJA4	ENSG00000	15.51	185.991	-3.502	1.33E-64
DNAJB13	ENSG00000	0.26	25.849	-4.413	1.40E-62
DNAJB3	ENSG00000	0.02	48.15	-5.591	3.73E-80
DNAJB7	ENSG00000	0.13	12.88	-3.619	7.22E-68
DNAJB8	ENSG00000	0	65.89	-6.064	3.04E-71
DNAJB8-A	ENSG00000	0	4.52	-2.465	1.46E-59
DNAJC12	ENSG00000	0.65	8.12	-2.467	4.33E-45
DNAJC18	ENSG00000	6.9	220.341	-4.808	7.28E-69
DNAJC24	ENSG00000	3.72	19.18	-2.096	3.01E-53
DNAJC27	ENSG00000	2.29	15.29	-2.308	1.54E-70
DNAJC27-	ENSG00000	0.77	20.141	-3.578	1.11E-77
DNAJC4	ENSG00000	35.631	407.483	-3.479	1.42E-65
DNAJC5B	ENSG00000	1.16	84.958	-5.315	4.94E-46
DNAJC5G	ENSG00000	0.18	34.071	-4.893	9.59E-137
DNAL1	ENSG00000	5.21	59.1	-3.275	5.02E-59
DNAL4	ENSG00000	16.54	87.851	-2.341	6.93E-54
DNALI1	ENSG00000	5.32	169.447	-4.753	1.67E-62
DND1P1	ENSG00000	0.44	5.3	-2.129	8.52E-30
DNHD1	ENSG00000	3.21	78.422	-4.238	2.83E-95
DNM1P41	ENSG00000	0.15	3.8	-2.061	1.59E-84
DNM1P46	ENSG00000	0.23	18.9	-4.016	1.05E-81
DOC2A	ENSG00000	3.9	83.899	-4.115	1.59E-54
DOCK3	ENSG00000	0.84	7.72	-2.245	2.78E-60
DOCK4-AS	ENSG00000	0.01	3.38	-2.117	4.80E-43
DOCK9-AS	ENSG00000	0.63	15.23	-3.316	5.52E-85
DOK6	ENSG00000	0.1	5.31	-2.52	2.02E-45
DOK7	ENSG00000	0.45	8.78	-2.754	6.01E-65
DOT1L	ENSG00000	18.06	139.072	-2.878	1.57E-54
DPCD	ENSG00000	22.529	181.144	-2.953	6.08E-49
DPEP1	ENSG00000	3.46	78.612	-4.158	3.25E-54
DPEP3	ENSG00000	3.28	61.789	-3.875	1.42E-45
DPF3	ENSG00000	0.53	19.92	-3.773	1.80E-73
DPP10-AS	ENSG00000	2.5	34.059	-3.324	1.76E-42
DPP10-AS	ENSG00000	0	4.93	-2.568	8.86E-46
DPP7	ENSG00000	51.911	259.573	-2.3	5.42E-48
DPY19L1	ENSG00000	8.07	44.28	-2.32	4.84E-50
DPY19L1P1	ENSG00000	0.43	5.04	-2.079	2.08E-94
DPY19L2	ENSG00000	2.7	47.422	-3.71	1.45E-80
DPY19L2P1	ENSG00000	0.75	12.61	-2.959	4.53E-66
DPY19L2P2	ENSG00000	1.61	68.96	-4.744	2.16E-71
DPY19L2P3	ENSG00000	0.57	5.64	-2.08	2.15E-73
DPY19L2P4	ENSG00000	0.08	13.97	-3.793	2.71E-75
DPYSL4	ENSG00000	1.69	14.71	-2.546	4.04E-27
DRC1	ENSG00000	0.23	37.731	-4.977	1.47E-61
DRC7	ENSG00000	0.14	52.691	-5.558	1.19E-72
DRICH1	ENSG00000	0.39	59.9	-5.453	1.90E-75

DSCR9	ENSG00000	0.09	14.72	-3.85	3.06E-71
DSG1-AS1	ENSG00000	0.09	10.41	-3.388	3.47E-49
DTNA	ENSG00000	1	10.24	-2.491	1.85E-31
DUSP1	ENSG00000	12.72	68.888	-2.349	5.98E-29
DUSP13	ENSG00000	0.3	68.669	-5.744	2.13E-74
DUSP15	ENSG00000	1.51	309.865	-6.952	9.14E-89
DUSP18	ENSG00000	3.42	35.879	-3.061	1.43E-47
DUSP21	ENSG00000	0.03	11.79	-3.634	5.01E-66
DUSP26	ENSG00000	0.38	4.79	-2.069	6.98E-28
DUSP28	ENSG00000	3.1	20.44	-2.387	5.16E-76
DUXAP8	ENSG00000	1.42	12	-2.425	1.53E-33
DXO	ENSG00000	12.12	92.539	-2.834	5.74E-85
DYDC1	ENSG00000	0.15	151.775	-7.054	3.30E-80
DYDC2	ENSG00000	0.49	13.03	-3.235	1.45E-43
DYNC2H1	ENSG00000	4.23	27.1	-2.426	3.67E-75
DYNC2LI1	ENSG00000	10.73	47.212	-2.039	2.47E-70
DYNLRB2	ENSG00000	0.76	321.482	-7.517	1.45E-83
DYRK1B	ENSG00000	11.22	115.703	-3.256	5.55E-65
DYRK3	ENSG00000	1.08	44.27	-4.444	7.85E-72
DZIP1	ENSG00000	3.67	77.471	-4.071	1.57E-64
EAF1-AS1	ENSG00000	0.14	6.94	-2.8	1.16E-77
EBLN1	ENSG00000	0.02	3.59	-2.17	2.26E-60
ECHDC2	ENSG00000	31.349	226.096	-2.812	5.50E-77
EDRF1-AS1	ENSG00000	0.36	26.44	-4.335	3.20E-79
EEF1DP2	ENSG00000	0	4.07	-2.342	1.76E-25
EFCAB1	ENSG00000	0.15	47.261	-5.391	6.31E-64
EFCAB10	ENSG00000	2.34	25.74	-3.001	2.88E-44
EFCAB11	ENSG00000	9.1	71.928	-2.852	6.28E-43
EFCAB12	ENSG00000	0.26	12.56	-3.428	6.38E-70
EFCAB13	ENSG00000	1.28	27.441	-3.641	1.14E-99
EFCAB14-AS1	ENSG00000	0	5.41	-2.68	7.39E-57
EFCAB2	ENSG00000	4.8	32.11	-2.513	3.72E-49
EFCAB3	ENSG00000	0.01	4.65	-2.484	8.84E-51
EFCAB5	ENSG00000	0.08	19.779	-4.266	3.80E-70
EFCAB6	ENSG00000	0.27	71.268	-5.83	1.93E-86
EFCAB8	ENSG00000	0.12	6.27	-2.698	9.45E-58
EFCAB9	ENSG00000	0	12.45	-3.75	9.45E-61
EFEMP2	ENSG00000	13.92	65.562	-2.157	1.18E-15
EFHB	ENSG00000	0.84	17.93	-3.363	3.05E-67
EFHC1	ENSG00000	4.92	36.811	-2.675	7.81E-60
EFHC2	ENSG00000	0.32	9.02	-2.924	3.22E-79
EFTUD1P1	ENSG00000	0.18	3.82	-2.03	4.82E-63
EGFEM1P	ENSG00000	0.14	3.73	-2.053	5.53E-46
EGFLAM-AS1	ENSG00000	0	8.27	-3.213	2.84E-57
EGLN2	ENSG00000	73.272	332.151	-2.165	8.18E-64
EGR4	ENSG00000	0.06	5.13	-2.532	6.50E-76
EHD1	ENSG00000	21.27	315.609	-3.83	1.12E-60
EID3	ENSG00000	4.61	70.589	-3.674	3.21E-66
EIF3J-AS1	ENSG00000	2.11	11.53	-2.01	3.75E-52

EIF4BP8	ENSG00000	0	4.31	-2.409	6.87E-60
EIF4G3	ENSG00000	18.04	85.65	-2.186	2.39E-51
EIF5A2	ENSG00000	2.52	46.189	-3.745	1.33E-60
EIF5AL1	ENSG00000	0.94	7.71	-2.167	9.72E-36
ELAVL4	ENSG00000	1.02	12.51	-2.742	8.28E-33
ELK2AP	ENSG00000	0.02	8.4	-3.204	7.53E-70
ELK2BP	ENSG00000	0	3.62	-2.208	1.51E-65
ELL	ENSG00000	10.89	53.66	-2.201	1.06E-38
ELL3	ENSG00000	1.41	33.42	-3.836	9.39E-77
ELOVL2	ENSG00000	1.14	7.9	-2.056	4.92E-35
ELOVL2-AS1	ENSG00000	0.07	11.14	-3.504	3.04E-86
ELP5	ENSG00000	37.4	212.172	-2.473	5.03E-53
EME2	ENSG00000	2.6	18.93	-2.469	9.31E-92
EMX1	ENSG00000	0.47	6.56	-2.363	4.91E-14
ENKD1	ENSG00000	11.39	77	-2.654	5.48E-76
ENKUR	ENSG00000	0.28	7.7	-2.765	2.56E-45
ENO1-AS1	ENSG00000	0.38	11.18	-3.142	1.40E-64
ENOX1	ENSG00000	0.55	12.26	-3.097	1.69E-62
ENPP5	ENSG00000	2.34	24.281	-2.92	4.28E-65
STPG1	ENSG00000	5.23	40.221	-2.726	1.02E-61
HECW1	ENSG00000	0.31	7.69	-2.73	2.12E-45
ICA1	ENSG00000	6.85	81.12	-3.387	4.50E-54
NDUFAF7	ENSG00000	20.4	94.352	-2.156	3.30E-36
HSPB6	ENSG00000	6.33	66.38	-3.2	4.35E-20
PDK4	ENSG00000	2.47	14.54	-2.163	6.95E-17
SLC22A16	ENSG00000	0.13	26.6	-4.61	6.24E-74
ZMYND10	ENSG00000	0.75	575.39	-8.364	2.49E-76
SKAP2	ENSG00000	4.72	23.14	-2.077	2.90E-33
SPPL2B	ENSG00000	22.45	133.37	-2.519	2.45E-80
YBX2	ENSG00000	5.25	930.91	-7.22	3.78E-73
KRT33A	ENSG00000	0	3.08	-2.029	7.02E-50
SPATA20	ENSG00000	14.14	213.633	-3.825	2.02E-74
FARP2	ENSG00000	8.67	51.56	-2.442	3.12E-61
SCIN	ENSG00000	1.06	10.5	-2.481	1.95E-30
PRSS21	ENSG00000	3.71	136.371	-4.866	9.51E-66
MARK4	ENSG00000	11.82	53.958	-2.1	2.50E-61
PAFAH1B1	ENSG00000	49.459	270.483	-2.428	8.11E-53
ST7L	ENSG00000	10.22	44.68	-2.025	1.43E-66
TKTL1	ENSG00000	2.8	129.84	-5.106	3.75E-21
PIGQ	ENSG00000	14.07	82.773	-2.475	2.31E-68
NFIX	ENSG00000	3.03	15.28	-2.014	1.16E-12
PKD1	ENSG00000	20.43	104.589	-2.301	8.52E-55
MAPK8IP2	ENSG00000	2.27	13.72	-2.17	5.14E-45
POMT2	ENSG00000	21.84	118.882	-2.392	3.50E-69
MLXIPL	ENSG00000	1.15	57.972	-4.778	5.36E-81
HHATL	ENSG00000	0.05	10.76	-3.485	4.12E-91
PHF7	ENSG00000	7.74	1705.406	-7.609	2.76E-84
FUZ	ENSG00000	13.66	132.66	-3.189	3.02E-68
SLC6A13	ENSG00000	0.2	5.93	-2.53	2.52E-37

PRSS3	ENSG00000	0.12	8.68	-3.112	6.48E-33
SCMH1	ENSG00000	9.17	51.421	-2.366	1.84E-60
ZBTB32	ENSG00000	0.93	93.002	-5.606	1.78E-77
SEMA3B	ENSG00000	2.1	26.451	-3.146	5.26E-36
UBR7	ENSG00000	14.05	63.412	-2.098	4.96E-39
MAMLD1	ENSG00000	0.74	28.391	-4.078	1.06E-86
MTMR11	ENSG00000	3.3	23.94	-2.536	5.74E-39
RGPD5	ENSG00000	3.54	22.841	-2.393	1.07E-33
RUFY3	ENSG00000	14.35	72.629	-2.262	1.95E-70
SAMD4A	ENSG00000	2.34	250.557	-6.235	1.45E-69
PLEKHB1	ENSG00000	3.61	47.339	-3.39	2.23E-49
NRXN3	ENSG00000	1.56	10.21	-2.131	2.93E-29
FHL1	ENSG00000	7.48	80.912	-3.272	1.02E-35
GRAMD1B	ENSG00000	1.53	18.95	-2.979	8.29E-68
GLRX2	ENSG00000	4.75	65.739	-3.537	1.54E-59
TOMM34	ENSG00000	31.701	154.161	-2.246	5.17E-56
TBPL1	ENSG00000	31.53	159.001	-2.298	4.26E-52
IFT88	ENSG00000	4.78	68.54	-3.589	4.53E-77
LRRC7	ENSG00000	0.28	5.05	-2.241	3.63E-51
MYOM2	ENSG00000	5.05	35.06	-2.575	3.16E-19
USP2	ENSG00000	0.89	115.703	-5.948	3.71E-91
RAI14	ENSG00000	8.2	42.109	-2.228	3.39E-35
SOX30	ENSG00000	0.26	107.083	-6.423	4.89E-83
RAB27B	ENSG00000	0.08	4.18	-2.262	2.37E-38
FAM65C	ENSG00000	1.22	17.65	-3.071	3.27E-68
SPATA7	ENSG00000	7.74	68.199	-2.985	1.41E-56
ZPBP	ENSG00000	0.1	136.153	-6.962	6.88E-93
TG	ENSG00000	0.5	6.76	-2.371	1.63E-51
ZIC2	ENSG00000	0.65	6.27	-2.14	7.21E-08
MAGEC2	ENSG00000	1.6	22.86	-3.198	9.14E-22
WDR37	ENSG00000	3.97	26.591	-2.473	8.60E-62
SCML1	ENSG00000	1.91	39.159	-3.787	8.26E-89
GUCA1A	ENSG00000	5.4	36.021	-2.532	1.85E-25
EPN3	ENSG00000	0.21	4.1	-2.076	4.23E-33
LAMC3	ENSG00000	10.42	55.211	-2.299	5.82E-26
FAM160A2	ENSG00000	18.491	91.62	-2.249	1.09E-85
MCF2L2	ENSG00000	1.13	8.31	-2.128	2.70E-28
ENTPD2	ENSG00000	0.87	7.83	-2.239	3.27E-29
SPO11	ENSG00000	0	6.91	-2.984	1.78E-86
KCNH2	ENSG00000	8.63	52.76	-2.481	1.31E-45
ITIH4	ENSG00000	3.76	28.769	-2.645	2.51E-39
PHF21B	ENSG00000	1.13	8.47	-2.152	2.33E-53
PIGV	ENSG00000	6.54	46.71	-2.662	3.34E-68
SPAG4	ENSG00000	5.67	59.42	-3.179	2.18E-64
SLC6A16	ENSG00000	1.29	92.378	-5.35	6.57E-87
SPHK2	ENSG00000	4.92	35.809	-2.636	8.56E-51
HAGH	ENSG00000	26.37	148.713	-2.452	1.09E-72
LIMCH1	ENSG00000	1.09	12.48	-2.689	6.93E-36
SPA17	ENSG00000	5.99	296.07	-5.409	3.08E-64

WISP2	ENSG00000	0.5	37.629	-4.687	4.52E-35
SUGP2	ENSG00000	35.15	187.103	-2.379	4.57E-94
SLC12A2	ENSG00000	2.08	13.58	-2.243	7.97E-39
EYA2	ENSG00000	0.86	7.07	-2.117	4.83E-25
SNCAIP	ENSG00000	0.86	9.74	-2.53	9.03E-26
PMS1	ENSG00000	11.22	62.141	-2.369	5.59E-53
IPO5	ENSG00000	54.681	223.572	-2.012	5.49E-43
ROPN1	ENSG00000	0.06	197.416	-7.548	2.27E-83
SNAP91	ENSG00000	0.56	12.31	-3.093	2.48E-54
SEC61A2	ENSG00000	6.07	31.41	-2.197	3.23E-64
TLE2	ENSG00000	7.06	43.209	-2.455	1.80E-26
PDE4A	ENSG00000	5.76	36.501	-2.472	1.01E-35
ZMYND12	ENSG00000	0.96	34.589	-4.183	6.54E-69
STAG3	ENSG00000	12.53	182.353	-3.76	3.04E-74
PFKP	ENSG00000	37.77	188.196	-2.287	3.23E-22
PRKCZ	ENSG00000	15.53	120.684	-2.88	2.84E-47
HDAC4	ENSG00000	3.25	27.401	-2.74	5.84E-45
REEP1	ENSG00000	3.89	48.741	-3.347	1.61E-61
TTC7A	ENSG00000	11.89	121.582	-3.249	3.14E-73
SIRT2	ENSG00000	16.03	95.749	-2.506	4.61E-74
PYGM	ENSG00000	0.9	11.99	-2.773	5.28E-63
PAGE1	ENSG00000	0	21.69	-4.504	2.31E-91
MAST4	ENSG00000	1.92	19.401	-2.805	2.38E-61
SDK2	ENSG00000	2.07	16.05	-2.473	1.84E-41
FSTL3	ENSG00000	7.61	94.202	-3.467	3.43E-73
FRMPD1	ENSG00000	0.46	11.16	-3.058	3.70E-71
ST6GALNA	ENSG00000	2.01	146.615	-5.616	8.85E-68
PTPN21	ENSG00000	4.05	32.869	-2.746	4.88E-68
RHOBTB1	ENSG00000	1.27	34.561	-3.969	3.74E-62
MOV10L1	ENSG00000	0.63	59.73	-5.219	2.05E-93
FNDC8	ENSG00000	0.1	115.559	-6.727	2.57E-68
PPP2R2C	ENSG00000	1.26	9.11	-2.161	1.63E-38
TUBE1	ENSG00000	6.63	30.271	-2.035	8.16E-61
KCNQ2	ENSG00000	4.11	26.119	-2.408	1.05E-26
VPS9D1	ENSG00000	4.89	26.779	-2.238	2.24E-54
WDR62	ENSG00000	18.17	98.489	-2.376	4.23E-26
SEC31B	ENSG00000	2.49	32.869	-3.279	2.76E-109
TUBA3D	ENSG00000	3.56	293.597	-6.014	4.50E-50
MKRN2	ENSG00000	16.12	71.5	-2.082	4.20E-56
MBNL3	ENSG00000	1.77	23.88	-3.167	5.78E-58
SPAG6	ENSG00000	0.74	76.5	-5.477	1.32E-73
LRCH4	ENSG00000	33.639	211.497	-2.617	2.23E-107
FAM76B	ENSG00000	8.07	61.72	-2.79	1.10E-66
NAALAD2	ENSG00000	2.45	21.61	-2.712	5.08E-44
FKBP6	ENSG00000	0.48	81.21	-5.796	1.07E-77
SMC1B	ENSG00000	0.16	30.391	-4.758	3.01E-80
MAP2	ENSG00000	0.98	8.33	-2.236	3.50E-29
PIAS2	ENSG00000	8.32	116.033	-3.65	3.30E-61
LAMP3	ENSG00000	3.5	18.77	-2.135	4.78E-18

NEBL	ENSG00000	1.33	28.499	-3.662	6.15E-37
ZCWPW1	ENSG00000	6.96	115.88	-3.876	7.98E-73
PKD2L2	ENSG00000	0.08	8.49	-3.135	4.53E-80
TP53INP2	ENSG00000	9.28	50.348	-2.32	5.48E-54
MYH7B	ENSG00000	0.89	30.53	-4.06	1.12E-60
TOLLIP	ENSG00000	16.27	102.828	-2.588	1.31E-84
TNS1	ENSG00000	6.31	30.22	-2.095	1.36E-17
LIPE	ENSG00000	5.04	96.85	-4.018	5.58E-65
LRRC16A	ENSG00000	4.32	22.54	-2.146	1.45E-54
EPHA6	ENSG00000	0.27	24.09	-4.304	6.73E-62
RFX3	ENSG00000	1.21	23.86	-3.492	2.39E-58
RDH8	ENSG00000	0.02	4.46	-2.42	3.09E-43
PIH1D3	ENSG00000	0	13.77	-3.885	1.01E-71
MOK	ENSG00000	6.24	112.477	-3.97	8.38E-70
SMARCD3	ENSG00000	8.29	59.309	-2.699	1.01E-34
PGR	ENSG00000	0.06	3.62	-2.124	2.01E-74
EPB41L3	ENSG00000	5.66	100.872	-3.935	4.00E-79
TRPM3	ENSG00000	0.1	6.05	-2.68	2.57E-35
ULK2	ENSG00000	6.02	37.801	-2.467	6.01E-55
SLC27A5	ENSG00000	7.53	56.172	-2.745	5.32E-59
GCKR	ENSG00000	0.32	8.64	-2.869	2.51E-80
MAPRE3	ENSG00000	6.77	95.18	-3.63	2.61E-90
OVGP1	ENSG00000	1.42	13.03	-2.535	8.37E-72
ZNF213	ENSG00000	5.17	38.91	-2.693	7.72E-67
TTC39A	ENSG00000	5.35	77.788	-3.633	1.48E-55
USP40	ENSG00000	8.07	35.461	-2.007	6.32E-70
NME8	ENSG00000	0.68	15.74	-3.317	1.00E-38
EPDR1	ENSG00000	1.99	11.15	-2.023	2.61E-33
FAT2	ENSG00000	0.09	16.14	-3.975	2.12E-54
ERO1LB	ENSG00000	2.51	16.53	-2.32	3.41E-61
PPEF1	ENSG00000	0.52	17.59	-3.612	2.21E-68
MT3	ENSG00000	0.54	8.49	-2.623	9.09E-31
GNAO1	ENSG00000	3.49	24.65	-2.514	1.83E-53
RFX2	ENSG00000	5.19	88.431	-3.853	3.58E-68
GP6	ENSG00000	0.15	3.78	-2.055	9.36E-54
GNA11	ENSG00000	15.35	77.551	-2.264	1.42E-67
KIF9	ENSG00000	16.26	90.327	-2.404	4.55E-33
PPP1R13B	ENSG00000	10.61	70.83	-2.629	8.86E-56
TESC	ENSG00000	5.53	50.209	-2.971	7.41E-49
SIRT4	ENSG00000	1.22	9.47	-2.238	1.33E-51
OTUB2	ENSG00000	0.74	17.64	-3.421	2.29E-51
THPO	ENSG00000	0.29	4.71	-2.146	8.69E-29
TF	ENSG00000	5.1	35.451	-2.579	5.01E-17
MYO15A	ENSG00000	1.04	31.491	-3.993	7.77E-88
ZFHX4	ENSG00000	0.15	5.36	-2.467	8.60E-30
RPGRIP1	ENSG00000	1.96	53.548	-4.204	1.48E-51
TEKT2	ENSG00000	0.65	97.531	-5.9	2.51E-58
XXbac-B46	ENSG00000	3.6	19.38	-2.147	1.12E-51
LRRFIP2	ENSG00000	18.69	94.208	-2.274	1.30E-69

NXPE1	ENSG00000	0	4.66	-2.501	2.55E-45
TDRD1	ENSG00000	0.54	7.57	-2.476	4.78E-66
MYO3A	ENSG00000	0.97	7.74	-2.149	1.67E-41
PALMD	ENSG00000	2.28	12.26	-2.015	4.67E-34
IZUMO4	ENSG00000	1.42	723.374	-8.226	2.00E-100
P2RX6	ENSG00000	0.5	11.02	-3.002	3.89E-96
SLC7A4	ENSG00000	2.97	19.48	-2.367	7.94E-32
UPB1	ENSG00000	0.23	5.42	-2.384	2.20E-98
YPEL1	ENSG00000	2.01	105.682	-5.147	2.24E-66
SLC35E4	ENSG00000	2.5	28.46	-3.073	2.25E-55
GGA1	ENSG00000	35.37	281.794	-2.959	1.67E-92
GGTLC2	ENSG00000	0	8.19	-3.2	1.34E-35
SOX10	ENSG00000	0.15	3.78	-2.055	4.49E-39
RSPH14	ENSG00000	0.83	32.619	-4.199	6.62E-77
PPP6R2	ENSG00000	23.76	114.332	-2.22	1.64E-86
SBF1	ENSG00000	33.76	182.746	-2.402	9.70E-75
TLL1	ENSG00000	3.88	19.91	-2.099	1.46E-48
KCTD17	ENSG00000	13.27	77.799	-2.465	5.79E-61
LRRC74A	ENSG00000	0.05	21.4	-4.415	3.64E-72
SAMD15	ENSG00000	0.57	18.76	-3.654	1.29E-67
PPM1A	ENSG00000	21.73	95.239	-2.082	3.04E-49
ZC3H14	ENSG00000	44.87	223.308	-2.29	3.43E-44
NFATC4	ENSG00000	23.95	115.679	-2.225	7.44E-40
NDRG3	ENSG00000	15.27	89.877	-2.482	3.73E-57
MRGBP	ENSG00000	11.86	64.128	-2.34	1.41E-63
TCFL5	ENSG00000	9.35	66.851	-2.713	1.71E-58
SPEF1	ENSG00000	0.3	21.711	-4.127	9.17E-64
SEL1L2	ENSG00000	0.07	12.4	-3.647	3.63E-70
SLC52A3	ENSG00000	4.85	52.559	-3.195	7.52E-62
PDYN	ENSG00000	0.01	4.88	-2.541	5.17E-44
MROH8	ENSG00000	3.32	36.041	-3.1	1.52E-64
EPPIN	ENSG00000	0.17	102.167	-6.462	2.83E-90
MAP1LC3A	ENSG00000	17.14	97.578	-2.442	3.96E-75
ZNF516	ENSG00000	7.04	48.341	-2.617	1.07E-73
MYOM1	ENSG00000	0.99	10.63	-2.547	2.98E-66
LIPG	ENSG00000	1.24	9.68	-2.253	8.53E-19
NOL4	ENSG00000	0.03	26.25	-4.726	3.41E-66
POLI	ENSG00000	7.21	54.041	-2.745	3.30E-94
VSIG1	ENSG00000	0.28	34.391	-4.789	6.79E-89
RHOXF1	ENSG00000	0.91	19.66	-3.435	1.60E-64
PAGE4	ENSG00000	0.1	6.61	-2.79	2.21E-30
MCF2	ENSG00000	0.13	18.9	-4.138	2.43E-128
SMARCA1	ENSG00000	4.52	51.581	-3.252	4.62E-31
PPP1R2P9	ENSG00000	1.36	100.148	-5.422	4.19E-68
PCYT1B	ENSG00000	1.34	16.99	-2.943	1.38E-51
TAF7L	ENSG00000	0.25	39.7	-5.025	1.09E-121
KIAA0226L	ENSG00000	2.89	27.149	-2.855	8.85E-66
KLF5	ENSG00000	8.18	36.061	-2.013	1.53E-19
UGGT2	ENSG00000	3.89	20.79	-2.156	6.25E-57

FLT1	ENSG00000	2.55	19.03	-2.496	1.30E-37
KATNAL1	ENSG00000	2.97	20.72	-2.452	3.43E-54
INTS6	ENSG00000	7.14	53.541	-2.744	6.70E-84
MEDAG	ENSG00000	0.54	6.04	-2.193	1.90E-46
HSF4	ENSG00000	3.69	36.87	-3.013	2.79E-51
TSNAXIP1	ENSG00000	1.59	57.328	-4.493	1.66E-84
PAR6A	ENSG00000	1.9	54.518	-4.259	1.50E-66
ZNF821	ENSG00000	5.79	44.721	-2.751	1.91E-56
PRSS54	ENSG00000	0	55.41	-5.818	2.26E-70
NDRG4	ENSG00000	6.11	109.599	-3.959	1.45E-74
SMPD3	ENSG00000	1.36	12.17	-2.48	1.01E-74
NECAB2	ENSG00000	0.72	13.43	-3.069	4.72E-63
WFDC1	ENSG00000	1.02	15.5	-3.03	1.02E-32
FAM173A	ENSG00000	15.76	92.219	-2.476	1.31E-48
RHBDL1	ENSG00000	0.82	7.84	-2.28	2.37E-73
TMC5	ENSG00000	0.88	10.34	-2.593	1.29E-36
SLC6A2	ENSG00000	0.11	5.54	-2.559	1.15E-65
IQCH	ENSG00000	1.39	11.54	-2.391	3.49E-49
SLC30A4	ENSG00000	1.01	8.9	-2.3	2.17E-68
MYEF2	ENSG00000	4.59	61.991	-3.494	2.63E-66
IL7	ENSG00000	0.32	5.97	-2.401	7.37E-55
TRPS1	ENSG00000	1.51	10.95	-2.251	7.63E-31
SPAG1	ENSG00000	2.19	12.28	-2.058	3.45E-31
GML	ENSG00000	0	3.35	-2.121	1.52E-67
NEFM	ENSG00000	0.42	23.36	-4.101	3.02E-37
FGL1	ENSG00000	0.28	6.24	-2.5	1.50E-39
TULP2	ENSG00000	1.13	50.331	-4.591	9.60E-56
NFKBIB	ENSG00000	25.81	107.813	-2.021	1.87E-36
LHB	ENSG00000	0.52	6.26	-2.256	3.47E-52
PEX11G	ENSG00000	2.3	38.561	-3.584	3.47E-79
LYL1	ENSG00000	4.05	27.83	-2.513	3.22E-42
RSPH6A	ENSG00000	0.01	40.26	-5.352	1.17E-71
VRK3	ENSG00000	26.77	218.183	-2.981	2.19E-59
MED26	ENSG00000	8.63	48.12	-2.351	2.78E-59
SLC1A6	ENSG00000	1.37	38.401	-4.055	6.91E-73
OVOL3	ENSG00000	0.13	4.77	-2.352	4.50E-69
ZFR2	ENSG00000	6.46	31.219	-2.111	1.55E-29
TJP3	ENSG00000	14.91	102.707	-2.705	8.70E-20
FZR1	ENSG00000	21.08	93.131	-2.092	2.07E-66
ICAM5	ENSG00000	0.25	6.16	-2.518	4.47E-70
ZNRF4	ENSG00000	0	160.574	-7.336	1.34E-75
SYNGR4	ENSG00000	0.24	69.329	-5.826	1.21E-88
THEG	ENSG00000	0.21	57.209	-5.588	3.30E-63
MAST1	ENSG00000	2.19	13.97	-2.23	5.39E-34
PDE4C	ENSG00000	1.55	9.54	-2.047	1.62E-43
ISYNA1	ENSG00000	76.802	497.24	-2.679	1.69E-65
ETV2	ENSG00000	1	24.33	-3.663	2.50E-60
GAPDHS	ENSG00000	0.08	387.646	-8.491	1.23E-76
GRIK5	ENSG00000	1.26	66.768	-4.906	4.46E-77

RNF32	ENSG00000	2.42	87.25	-4.69	3.30E-74
IQCE	ENSG00000	6.97	69.69	-3.149	1.15E-54
SPAM1	ENSG00000	0.1	12.71	-3.64	2.01E-50
FSCN3	ENSG00000	0.15	130.471	-6.837	2.11E-73
MOSPD3	ENSG00000	17.701	88.199	-2.254	8.65E-49
FBXO24	ENSG00000	0.88	120.333	-6.012	7.55E-77
PPP1R17	ENSG00000	0.04	3.44	-2.094	4.88E-28
TBL2	ENSG00000	28.999	259.285	-3.117	2.92E-57
GALNTL5	ENSG00000	0.02	40.19	-5.336	1.83E-66
SPATA6L	ENSG00000	0.42	24.931	-4.191	1.09E-73
OGN	ENSG00000	0.53	5.97	-2.188	4.21E-04
TLE4	ENSG00000	8.67	147.994	-3.946	4.00E-69
TESK1	ENSG00000	23.65	108.337	-2.149	9.83E-66
SH3GL2	ENSG00000	0.7	6.97	-2.229	1.63E-76
PTGDS	ENSG00000	97.032	4550.154	-5.537	3.13E-42
SFXN3	ENSG00000	6.57	30.13	-2.04	2.73E-31
MTPAP	ENSG00000	9.06	83.458	-3.07	1.55E-48
KRT23	ENSG00000	0.37	30.721	-4.533	2.92E-43
GIT1	ENSG00000	30.11	131.461	-2.09	1.25E-57
RUNDC3A	ENSG00000	1.89	38.929	-3.788	2.84E-56
SGCA	ENSG00000	0.53	34.09	-4.519	1.07E-64
RND2	ENSG00000	10.57	49.261	-2.119	2.00E-33
MYH3	ENSG00000	2.16	51.189	-4.046	4.74E-56
KIAA1211	ENSG00000	0.97	35.5	-4.212	1.10E-55
MAPK10	ENSG00000	0.96	39.229	-4.359	4.01E-66
INPP4B	ENSG00000	0.85	42.039	-4.54	2.33E-67
SOD3	ENSG00000	7.13	99.339	-3.625	8.97E-52
HGFAC	ENSG00000	0.09	18.93	-4.193	4.28E-83
LRP2BP	ENSG00000	0.64	11.05	-2.877	1.63E-70
PPARGC1A	ENSG00000	0.18	9.45	-3.147	4.63E-61
ZBTB16	ENSG00000	0.39	10.5	-3.049	7.53E-70
P2RX3	ENSG00000	0.05	10.3	-3.428	4.11E-53
RNF141	ENSG00000	9.44	118.094	-3.512	6.34E-65
GALNT18	ENSG00000	2.12	18.83	-2.668	4.19E-47
MADD	ENSG00000	14.66	64.248	-2.059	3.91E-71
PTPMT1	ENSG00000	25.52	140.808	-2.419	1.85E-49
SLC22A18	ENSG00000	7.19	50.839	-2.662	2.34E-55
SOX6	ENSG00000	0.16	20.97	-4.243	1.98E-74
NUP98	ENSG00000	38.95	170.295	-2.1	1.25E-51
PRPF40B	ENSG00000	13.72	62.15	-2.101	3.37E-67
IL23A	ENSG00000	3	23.03	-2.587	6.10E-26
LIN7A	ENSG00000	0.23	25.06	-4.405	1.46E-65
TNS2	ENSG00000	9.57	56.16	-2.435	1.21E-21
GSG1	ENSG00000	0.33	544.352	-8.68	6.35E-61
HCFC2	ENSG00000	2.86	41.469	-3.46	5.58E-82
RFX4	ENSG00000	0.05	68.341	-6.045	2.94E-76
MAK	ENSG00000	0.15	8.22	-3.003	7.65E-61
OPRM1	ENSG00000	0	5.55	-2.711	1.82E-57
SLC26A8	ENSG00000	0.12	44.12	-5.332	1.27E-79

SAYSD1	ENSG00000	16.05	78.042	-2.213	2.56E-51
ZNF451	ENSG00000	11.71	51.25	-2.039	2.07E-45
FHL5	ENSG00000	0.3	80.147	-5.964	4.82E-106
HDGFL1	ENSG00000	18.03	116.726	-2.629	4.02E-21
WASF1	ENSG00000	8.72	78.367	-3.03	1.22E-53
PHF1	ENSG00000	43.32	308.023	-2.802	1.91E-95
PACRG	ENSG00000	0.39	40.689	-4.907	2.51E-75
PDE10A	ENSG00000	0.26	4.35	-2.086	4.49E-48
SMOC2	ENSG00000	5.61	49.621	-2.937	2.18E-27
FAM120B	ENSG00000	5.85	28.829	-2.123	1.27E-55
WISP3	ENSG00000	0.16	6.01	-2.595	7.80E-61
PCDHB2	ENSG00000	0.78	7.09	-2.184	9.15E-29
NME5	ENSG00000	1.07	63.03	-4.951	4.71E-77
PCDHB5	ENSG00000	0.26	4.08	-2.011	1.40E-16
PCDHB15	ENSG00000	0.74	6.49	-2.106	8.24E-59
SLC27A6	ENSG00000	0.33	7.39	-2.657	4.17E-39
SLC12A7	ENSG00000	7.71	46	-2.432	7.84E-50
IL5	ENSG00000	0.03	5.04	-2.552	2.22E-71
PFKFB4	ENSG00000	8.13	37.46	-2.075	2.21E-51
PRKAR2A	ENSG00000	8.83	105.492	-3.437	1.66E-54
HES1	ENSG00000	3.44	17.45	-2.055	8.87E-09
IFT57	ENSG00000	16.41	167.834	-3.278	4.18E-54
IQCG	ENSG00000	6.27	84.488	-3.556	1.83E-87
MORC1	ENSG00000	0.09	8.1	-3.062	1.82E-78
ROPN1B	ENSG00000	0.22	295.906	-7.927	4.52E-84
KIAA1257	ENSG00000	1.56	28.41	-3.522	1.43E-56
NEK11	ENSG00000	1.44	24.63	-3.393	1.16E-78
HEMK1	ENSG00000	8.06	38.249	-2.115	1.34E-58
GORASP1	ENSG00000	14.34	64.789	-2.101	1.03E-66
PEX5L	ENSG00000	0.08	3.36	-2.013	6.10E-73
PLCH1	ENSG00000	0.4	13.33	-3.356	2.35E-54
ZBTB47	ENSG00000	1.57	11.5	-2.282	8.72E-30
TNNC1	ENSG00000	1.14	13.66	-2.776	4.59E-15
IL1A	ENSG00000	0.14	8.86	-3.113	7.82E-85
KCNIP3	ENSG00000	1.45	15.12	-2.718	8.89E-55
TP53I3	ENSG00000	7.87	53.039	-2.607	1.38E-29
SLC30A3	ENSG00000	1.19	60.241	-4.805	1.08E-119
ITGB6	ENSG00000	1.14	77.541	-5.198	4.27E-62
PDE1A	ENSG00000	1.12	27.68	-3.758	2.56E-51
REEP6	ENSG00000	36.579	394.997	-3.397	9.00E-68
PCSK4	ENSG00000	4.02	198.156	-5.31	8.01E-84
GRB14	ENSG00000	2.18	44.289	-3.832	1.92E-72
GALNT3	ENSG00000	1.94	14.73	-2.42	2.96E-29
SLC9A2	ENSG00000	0.04	4.77	-2.472	1.03E-71
RMDN2	ENSG00000	2.64	26.31	-2.907	2.61E-64
PLEKHA3	ENSG00000	6.09	30.64	-2.158	4.21E-51
PARD3B	ENSG00000	0.74	6.37	-2.083	4.45E-43
PRRX1	ENSG00000	3.74	40.43	-3.128	5.22E-35
MORN1	ENSG00000	2.38	23.19	-2.839	4.15E-77

RALGPS2	ENSG00000	6.59	45.339	-2.61	2.45E-45
KIAA1324	ENSG00000	1.47	31.6	-3.722	3.67E-53
SWT1	ENSG00000	3.12	22.32	-2.501	4.14E-64
TNNI3K	ENSG00000	0.29	6.41	-2.522	2.98E-74
KIF21B	ENSG00000	3.54	17.179	-2.002	2.27E-23
OSCP1	ENSG00000	6.03	105.499	-3.921	6.29E-71
HPCAL4	ENSG00000	0.09	5.13	-2.492	2.47E-65
SSX2IP	ENSG00000	5.67	128.871	-4.283	5.29E-72
KIF17	ENSG00000	5.19	48.529	-3	3.02E-62
TSPAN1	ENSG00000	0.43	46.769	-5.062	4.11E-42
FAAH	ENSG00000	10.78	88.707	-2.929	1.56E-27
NSUN4	ENSG00000	12.47	124.611	-3.221	8.88E-48
F3	ENSG00000	6.15	56.798	-3.015	3.61E-40
MTFR1L	ENSG00000	24.729	115.511	-2.179	2.59E-80
PROX1	ENSG00000	0.11	7.66	-2.964	1.20E-47
2-Mar	ENSG00000	1.9	17.94	-2.707	4.11E-42
STK11	ENSG00000	35.68	158.012	-2.116	1.92E-77
TREH	ENSG00000	0.04	3.47	-2.104	1.35E-30
ZNF541	ENSG00000	0.36	27.441	-4.386	1.19E-99
TNP1	ENSG00000	0.14	8134.285	-12.801	7.53E-75
SPACA1	ENSG00000	0.06	58.27	-5.805	3.22E-75
SGIP1	ENSG00000	0.48	9.89	-2.879	8.96E-61
ZC2HC1B	ENSG00000	0.06	20.559	-4.346	7.69E-59
PMFBP1	ENSG00000	1.03	26.259	-3.747	1.74E-61
SLC16A7	ENSG00000	0.34	13.24	-3.41	2.78E-59
TTLL5	ENSG00000	14.28	119.56	-2.98	6.26E-54
PPP4R4	ENSG00000	0.67	11.55	-2.91	6.47E-70
ZC2HC1C	ENSG00000	2.17	104.567	-5.058	2.88E-69
KCNIP2	ENSG00000	0.91	7.33	-2.125	1.80E-84
EQTN	ENSG00000	0.02	43.281	-5.44	1.58E-71
INSL6	ENSG00000	0.08	20.629	-4.324	7.39E-83
MAGEB4	ENSG00000	0	8.37	-3.228	3.61E-87
SLC25A2	ENSG00000	0.04	8.29	-3.159	8.60E-76
TTLL2	ENSG00000	0.08	25.259	-4.604	5.54E-63
SNX19	ENSG00000	9.06	39.541	-2.011	2.47E-45
TEX11	ENSG00000	1.46	13.4	-2.549	4.75E-39
KIAA1217	ENSG00000	3.4	21.941	-2.382	2.25E-34
SEPT7P9	ENSG00000	0.25	61.699	-5.648	6.01E-71
LYZL1	ENSG00000	0	74.49	-6.238	2.80E-71
IQSEC3	ENSG00000	0.93	8.22	-2.256	9.55E-29
SOHLH2	ENSG00000	1.38	18.47	-3.032	3.54E-44
FAM53C	ENSG00000	16.22	93.428	-2.455	4.84E-65
SIL1	ENSG00000	21.22	108.668	-2.303	2.10E-64
SORBS3	ENSG00000	92.212	377.805	-2.023	1.81E-49
RDH10	ENSG00000	4.63	25.49	-2.234	1.90E-32
TEX14	ENSG00000	0.83	44.73	-4.643	2.48E-70
PAPD5	ENSG00000	5.72	27.17	-2.068	9.73E-44
RP11-408E	ENSG00000	0	15.94	-4.082	1.14E-72
RGSL1	ENSG00000	0	18.939	-4.318	1.79E-67

GJA8	ENSG00000	0	6.18	-2.844	3.87E-65
MAPK8IP1	ENSG00000	7.01	38.77	-2.312	1.31E-51
PILRB	ENSG00000	17.859	164.505	-3.134	8.44E-79
HPCA	ENSG00000	1.01	13.56	-2.857	1.87E-50
POLK	ENSG00000	3.42	19.631	-2.223	2.45E-67
OBP2A	ENSG00000	0.13	4.63	-2.317	4.26E-25
TBX22	ENSG00000	0.09	28.23	-4.745	1.74E-110
PRM2	ENSG00000	0.06	15349.46	-13.822	2.20E-78
LDB3	ENSG00000	0.32	5.79	-2.363	1.01E-57
SPATA1	ENSG00000	0.64	12.14	-3.002	6.46E-91
LRRC39	ENSG00000	0.29	7.59	-2.735	1.83E-58
PQLC1	ENSG00000	33.13	142.606	-2.073	6.14E-45
PHF24	ENSG00000	2.19	22.161	-2.86	2.79E-46
IFT81	ENSG00000	6.56	29.531	-2.014	6.84E-45
RASSF8	ENSG00000	4.9	89.927	-3.946	2.01E-34
OPTN	ENSG00000	25.801	109.987	-2.05	7.20E-63
IL13RA2	ENSG00000	2.08	33.19	-3.473	5.11E-38
ESX1	ENSG00000	0.34	11.85	-3.261	2.01E-59
TNFAIP6	ENSG00000	1.34	16.12	-2.871	9.78E-36
LPGAT1	ENSG00000	3.9	20.8	-2.154	7.45E-31
GOS2	ENSG00000	6.37	36.45	-2.345	7.78E-32
INHA	ENSG00000	1.06	122.301	-5.903	5.69E-75
OBSL1	ENSG00000	28.67	423.347	-3.838	1.82E-73
FAM209A	ENSG00000	0.23	136.749	-6.807	1.58E-79
SLPI	ENSG00000	0.69	33.451	-4.349	1.03E-29
WFDC3	ENSG00000	0.97	131.78	-6.075	1.69E-57
GTSF1L	ENSG00000	0.2	278.879	-7.866	9.77E-72
RNF114	ENSG00000	72.549	344.7	-2.233	1.87E-42
TP53TG5	ENSG00000	0.15	21.35	-4.281	5.55E-58
IRGC	ENSG00000	0.07	197.129	-7.533	1.16E-76
TCP11	ENSG00000	0.31	526.795	-8.654	2.36E-84
OPN5	ENSG00000	0	8.19	-3.2	7.40E-71
SSUH2	ENSG00000	3.09	24.931	-2.664	4.90E-26
LRRC29	ENSG00000	1.56	9.42	-2.025	8.06E-73
PIWIL1	ENSG00000	1.4	59.358	-4.652	1.91E-28
GPR18	ENSG00000	1	13.03	-2.81	5.02E-33
GRK4	ENSG00000	1.46	81.673	-5.071	3.70E-100
SOX9	ENSG00000	1.19	33.889	-3.994	1.41E-43
TEKT3	ENSG00000	0.9	65.348	-5.126	3.54E-75
SLC25A35	ENSG00000	7.41	41.911	-2.351	6.56E-43
OPRL1	ENSG00000	1.36	8.81	-2.055	1.10E-48
LINC00029	ENSG00000	0	7.04	-3.007	4.04E-77
SDCBP2	ENSG00000	1.11	9.68	-2.34	4.93E-53
FAM182A	ENSG00000	0.46	13.92	-3.353	1.42E-42
TMX4	ENSG00000	12.26	66.638	-2.351	3.67E-67
PCSK2	ENSG00000	0.02	6.12	-2.803	7.24E-50
SIRPD	ENSG00000	0.21	75.598	-5.984	8.29E-66
ST3GAL3	ENSG00000	6.07	78.978	-3.5	8.12E-66
TMEM53	ENSG00000	9.27	44.099	-2.135	1.18E-38

F10	ENSG00000	1.49	13.81	-2.572	1.53E-12
TSKS	ENSG00000	2.87	172.469	-5.486	1.08E-62
SSX1	ENSG00000	0.05	8.49	-3.176	4.67E-74
HSPA2	ENSG00000	6.41	158.023	-4.424	4.44E-64
PZP	ENSG00000	0.08	4.39	-2.319	1.33E-45
PRDM7	ENSG00000	0.14	4.68	-2.317	7.90E-65
WDR60	ENSG00000	6.82	44.73	-2.548	3.14E-65
FAM78A	ENSG00000	5.23	39.76	-2.71	1.09E-50
HRASLS	ENSG00000	3.55	99.76	-4.469	9.64E-68
PLA2G5	ENSG00000	2.17	20.24	-2.744	2.61E-40
FBXL16	ENSG00000	2.73	19	-2.423	6.56E-43
TUBA4A	ENSG00000	12.95	72.881	-2.405	1.99E-30
HIP1	ENSG00000	6.19	57.939	-3.035	8.59E-38
SPINK2	ENSG00000	4.7	510.794	-6.488	2.82E-65
POM121L9	ENSG00000	0.3	70.908	-5.79	3.26E-90
IGLL1	ENSG00000	0	29.13	-4.913	3.02E-67
RIBC2	ENSG00000	1.36	41.489	-4.17	3.03E-53
KRT17	ENSG00000	0.38	5.21	-2.17	2.73E-04
STRIP2	ENSG00000	4.43	26.359	-2.333	1.68E-20
KLHDC10	ENSG00000	2.62	37.25	-3.401	9.86E-64
FEZF1	ENSG00000	0.06	5.49	-2.614	1.33E-48
PDE11A	ENSG00000	0.06	4.08	-2.261	4.97E-35
TTBK2	ENSG00000	2.71	24.299	-2.77	5.48E-58
USP6	ENSG00000	1.96	19.04	-2.759	3.45E-29
SHBG	ENSG00000	0.32	13.94	-3.501	5.91E-54
LRRC6	ENSG00000	6.06	40.419	-2.553	1.40E-23
KLK10	ENSG00000	0.93	8.81	-2.346	7.19E-42
RNASE1	ENSG00000	75.771	1255.111	-4.032	9.50E-54
QRICH2	ENSG00000	4.03	39.379	-3.005	3.39E-50
FOXJ1	ENSG00000	0.2	22.21	-4.274	1.84E-25
VCY	ENSG00000	0.69	129.489	-6.271	2.01E-59
SYT5	ENSG00000	1.06	7.77	-2.09	6.77E-39
GAMT	ENSG00000	14.88	73.791	-2.236	9.95E-30
TSPAN16	ENSG00000	0.07	174.925	-7.361	6.77E-74
GDF1	ENSG00000	0.5	6.5	-2.322	1.67E-63
KIF1A	ENSG00000	1.83	22.11	-3.03	1.98E-31
SLC27A1	ENSG00000	6.22	28.959	-2.053	3.89E-59
RSPH3	ENSG00000	1.3	16.91	-2.961	7.96E-62
STK33	ENSG00000	6.15	58.282	-3.052	1.93E-57
KIAA1683	ENSG00000	1.04	45.781	-4.519	4.93E-73
SAG	ENSG00000	0.08	10.06	-3.356	3.92E-56
TNNT3	ENSG00000	0.87	7.67	-2.213	2.61E-16
PNPLA7	ENSG00000	1.05	8.93	-2.276	2.77E-55
HBZ	ENSG00000	0.06	8.79	-3.207	1.29E-61
GATA5	ENSG00000	0.62	14.53	-3.261	1.12E-40
RBBP8NL	ENSG00000	0.02	3.59	-2.17	2.68E-35
POMT1	ENSG00000	16.829	116.791	-2.724	1.65E-86
PNCK	ENSG00000	4.56	23.02	-2.111	1.19E-30
PKDREJ	ENSG00000	0.06	3.38	-2.047	3.55E-74

HSD17B3	ENSG00000	0.44	44.919	-4.995	3.50E-78
HABP4	ENSG00000	9.66	58.1	-2.471	9.79E-55
RGN	ENSG00000	0.55	5.67	-2.105	9.97E-12
POLN	ENSG00000	0.4	11.76	-3.188	3.79E-114
SYNE1	ENSG00000	7.63	43.961	-2.381	1.38E-50
TTLL9	ENSG00000	0.26	17.21	-3.853	1.19E-75
TEX101	ENSG00000	0.07	184.004	-7.434	7.41E-94
RAB11FIP4	ENSG00000	14.16	85.609	-2.514	4.43E-21
GALNT15	ENSG00000	0.2	6.83	-2.706	1.18E-79
RHOXF2	ENSG00000	0.21	33.77	-4.845	5.98E-52
KHDRBS3	ENSG00000	20.11	195.265	-3.217	2.05E-46
ZSCAN5A	ENSG00000	5.94	34.649	-2.361	1.09E-59
USP29	ENSG00000	0.01	4.37	-2.411	1.58E-75
LRRC9	ENSG00000	0.09	7.57	-2.975	6.07E-54
PODNL1	ENSG00000	0.74	9.2	-2.551	6.43E-39
ZNF20	ENSG00000	2.08	11.4	-2.009	9.88E-48
SPATA6	ENSG00000	5.2	188.784	-4.936	3.03E-62
PRKAA1	ENSG00000	9.59	48.839	-2.235	5.53E-61
SERPINF1	ENSG00000	61.188	405.426	-2.708	2.01E-29
RGS22	ENSG00000	0.42	86.521	-5.946	4.03E-107
MATN2	ENSG00000	7.8	35.189	-2.04	4.44E-16
SCP2D1	ENSG00000	0	70.599	-6.162	5.38E-74
SNAP25	ENSG00000	0.5	6.64	-2.349	1.45E-36
HAPLN2	ENSG00000	0.14	4.36	-2.233	2.43E-99
IGHMBP2	ENSG00000	8.14	40.649	-2.188	5.78E-80
MTL5	ENSG00000	6.08	65.1	-3.223	4.25E-45
VSTM2L	ENSG00000	0.38	5.55	-2.247	9.53E-21
OSER1	ENSG00000	29.421	150.601	-2.317	1.61E-51
PDE6A	ENSG00000	0.03	3.59	-2.156	2.75E-74
TPTE2	ENSG00000	0.62	10.75	-2.859	1.56E-57
RNF17	ENSG00000	4.1	31.139	-2.656	3.13E-21
SPG20	ENSG00000	8.29	39.609	-2.128	2.85E-30
FAM104A	ENSG00000	19.1	193.635	-3.275	1.92E-56
MYH11	ENSG00000	4.68	136.541	-4.598	3.85E-34
PDZD2	ENSG00000	3.02	23.669	-2.617	5.92E-72
MYO18B	ENSG00000	0.77	31.051	-4.179	1.80E-53
FAM83F	ENSG00000	4.64	55.61	-3.327	2.63E-49
SEC14L4	ENSG00000	0.33	6.1	-2.416	8.00E-69
ZDHHC8P1	ENSG00000	1.53	10.05	-2.127	1.70E-51
LRRIQ1	ENSG00000	0.35	15.09	-3.575	1.24E-58
MICALCL	ENSG00000	0.23	19.77	-4.078	3.82E-64
MICAL2	ENSG00000	4.13	65.199	-3.69	2.09E-104
TEX15	ENSG00000	0.16	14.4	-3.731	2.08E-81
PEBP4	ENSG00000	0.18	7.54	-2.855	4.88E-65
MRO	ENSG00000	0.2	26.25	-4.505	2.77E-94
GSTM5	ENSG00000	1.94	14.84	-2.43	1.96E-24
GSTM3	ENSG00000	17.59	989.598	-5.736	3.22E-86
HMGCS2	ENSG00000	0.1	41.08	-5.258	2.40E-22
SPIRE1	ENSG00000	3.54	39.281	-3.149	4.11E-72

LPIN1	ENSG00000	13.98	115.032	-2.953	1.00E-47
SOX5	ENSG00000	0.5	40.689	-4.797	1.08E-65
PRH2	ENSG00000	0.06	3.83	-2.188	4.62E-21
PIWIL4	ENSG00000	2.17	11.8	-2.014	1.08E-48
SPOCD1	ENSG00000	0.96	17.3	-3.223	1.08E-80
PHC2	ENSG00000	18.11	97.951	-2.372	6.59E-35
HOOK1	ENSG00000	1.99	93.409	-4.981	2.51E-55
RNF138	ENSG00000	28.41	188.47	-2.688	1.46E-30
TPGS2	ENSG00000	36.931	226.976	-2.587	2.60E-52
TPP2	ENSG00000	23.02	102.728	-2.11	2.74E-55
USP30	ENSG00000	5.28	28.32	-2.223	1.11E-55
FAM71F1	ENSG00000	2.37	144.547	-5.433	9.12E-42
SRPK2	ENSG00000	27.2	132.348	-2.241	1.73E-39
PRPH	ENSG00000	8.41	96.241	-3.369	5.29E-36
FAM186B	ENSG00000	0.69	72.892	-5.45	9.16E-74
FAIM2	ENSG00000	3.73	45.1	-3.285	1.22E-36
PAN2	ENSG00000	27.331	127.053	-2.176	1.15E-64
MAP7	ENSG00000	5.26	35.321	-2.537	2.05E-46
LACE1	ENSG00000	3.62	27.729	-2.637	8.19E-42
SMPD2	ENSG00000	7.38	74.048	-3.163	1.09E-67
RAB11FIP5	ENSG00000	15.6	182.328	-3.465	7.61E-50
SLC9A5	ENSG00000	1.05	9.95	-2.417	4.41E-68
GLUL	ENSG00000	185.155	806.146	-2.116	3.58E-44
TSGA10	ENSG00000	3.68	71.031	-3.944	3.86E-70
STAB2	ENSG00000	0.2	4.29	-2.14	7.24E-44
USP44	ENSG00000	0.59	14.78	-3.311	1.12E-23
LMO7	ENSG00000	3.8	23.39	-2.345	9.01E-31
SPDYE1	ENSG00000	0.31	9.01	-2.934	7.73E-61
MMD2	ENSG00000	0.02	8.34	-3.195	1.71E-70
NKX2-8	ENSG00000	0.11	10.14	-3.327	9.98E-57
ZFHX2	ENSG00000	1.09	17.689	-3.161	4.19E-56
MYCBPAP	ENSG00000	0.28	179.606	-7.141	1.59E-103
ODF2	ENSG00000	30.5	425.111	-3.758	1.16E-55
RALGPS1	ENSG00000	4.56	25.591	-2.258	5.39E-54
SLC2A8	ENSG00000	14.56	103.902	-2.753	8.25E-67
GARNL3	ENSG00000	1.33	9.41	-2.16	3.46E-44
WDR38	ENSG00000	0.02	9.31	-3.337	6.42E-52
GABBR2	ENSG00000	0.29	4.18	-2.006	1.17E-39
HEMGN	ENSG00000	0.02	50.52	-5.658	4.60E-66
NR5A1	ENSG00000	2.18	18.35	-2.605	2.26E-58
IL11RA	ENSG00000	6.27	30.38	-2.11	9.97E-19
RNF38	ENSG00000	15.6	112.813	-2.777	4.96E-50
SPAG8	ENSG00000	0.38	51.46	-5.248	3.47E-90
TMEM8B	ENSG00000	3.74	26.999	-2.562	1.23E-52
FOXP4	ENSG00000	6.84	37.449	-2.294	1.00E-12
KLC4	ENSG00000	11.11	50.171	-2.079	2.03E-52
SLC22A7	ENSG00000	0.16	6.52	-2.697	3.51E-49
SLC22A23	ENSG00000	1.99	15.1	-2.429	3.53E-23
LRRC1	ENSG00000	2.1	18.939	-2.685	5.71E-39

FGFBP2	ENSG00000	0.91	10.64	-2.607	6.82E-26
TTC29	ENSG00000	0.05	79.798	-6.266	2.55E-74
MYO7A	ENSG00000	2.41	43.849	-3.717	2.68E-82
MMP20	ENSG00000	0	5.04	-2.595	4.62E-50
TRIM29	ENSG00000	0.26	12.94	-3.468	5.07E-39
PPP2R1B	ENSG00000	11.98	58.44	-2.195	2.21E-42
UNC13C	ENSG00000	0.07	8.91	-3.211	2.05E-43
MAPKBP1	ENSG00000	4.16	66.758	-3.715	5.43E-91
PARP6	ENSG00000	35.849	156.356	-2.094	5.34E-72
LRRC49	ENSG00000	3.81	19.03	-2.058	2.53E-58
ITPKA	ENSG00000	1.7	16.46	-2.693	5.26E-39
PAK6	ENSG00000	0.68	9.27	-2.612	6.38E-63
TTLL7	ENSG00000	1.18	19.45	-3.23	2.98E-83
SLC44A5	ENSG00000	0.18	4.79	-2.295	2.72E-24
TRIM54	ENSG00000	0.72	48.982	-4.861	9.28E-119
LOXL4	ENSG00000	0.47	6.96	-2.437	2.96E-29
STAMBPL1	ENSG00000	2.71	18.63	-2.404	5.43E-53
STAT4	ENSG00000	2.32	31.15	-3.276	2.40E-47
MDH1B	ENSG00000	1.09	33.8	-4.057	1.78E-70
MNS1	ENSG00000	1.55	52.269	-4.385	9.71E-56
FAM13A	ENSG00000	3.7	21.48	-2.258	7.79E-52
MMRN1	ENSG00000	0.4	4.75	-2.038	1.37E-32
PRDM5	ENSG00000	0.49	6.05	-2.242	1.86E-51
LEF1	ENSG00000	5.61	36.671	-2.511	8.51E-31
MTTP	ENSG00000	0.2	5.43	-2.422	3.72E-23
MAPK8IP3	ENSG00000	10.61	74.227	-2.696	6.59E-61
TTLL8	ENSG00000	0	9.27	-3.36	5.03E-65
PLCZ1	ENSG00000	0.04	82.773	-6.332	2.38E-69
PPFIA2	ENSG00000	0.26	11.76	-3.34	6.62E-78
TMEM132F	ENSG00000	0.56	7.15	-2.385	2.07E-50
FAM222A	ENSG00000	4.45	31.31	-2.568	3.04E-55
FOXN4	ENSG00000	0.27	14.41	-3.601	2.46E-72
SMIM2	ENSG00000	0.05	27.599	-4.768	7.90E-62
MORN3	ENSG00000	0.85	94.313	-5.687	5.85E-61
SLAIN1	ENSG00000	3.96	29.709	-2.63	1.88E-70
RNF113B	ENSG00000	0.13	59.01	-5.731	2.56E-81
TTC6	ENSG00000	0.2	8.76	-3.024	9.59E-48
REM2	ENSG00000	0.52	5.89	-2.18	2.27E-51
TSSK4	ENSG00000	0.71	57.531	-5.097	9.79E-77
ESR2	ENSG00000	0.56	6.78	-2.318	2.17E-104
FAM181A	ENSG00000	0	42.051	-5.428	3.10E-73
GCNT3	ENSG00000	0.33	4.9	-2.149	9.99E-37
MAN2C1	ENSG00000	41.961	213.796	-2.322	3.90E-77
GOLGA6D	ENSG00000	0.13	14.13	-3.743	3.51E-55
PCSK6	ENSG00000	2.74	16.03	-2.187	1.74E-44
WDR93	ENSG00000	0.31	13.65	-3.483	2.38E-66
SH3GL3	ENSG00000	2.34	119.353	-5.171	8.59E-57
12-Sep	ENSG00000	0.39	212.187	-7.261	6.15E-76
SLC5A2	ENSG00000	0.28	27.441	-4.474	1.39E-66

MYLK3	ENSG00000	0.21	6.99	-2.723	1.08E-74
KIFC3	ENSG00000	12.55	104.343	-2.959	9.39E-62
ZCCHC14	ENSG00000	5.96	48.05	-2.817	2.49E-70
OSGIN1	ENSG00000	1.24	20.89	-3.289	1.66E-81
RPL3L	ENSG00000	0.59	10.99	-2.915	3.47E-60
GALNS	ENSG00000	8.42	51.549	-2.48	1.51E-81
GAS8	ENSG00000	7.7	38.641	-2.188	1.87E-71
GID4	ENSG00000	8.18	81.109	-3.161	3.73E-54
KIF2B	ENSG00000	0	89.89	-6.506	1.05E-71
SPATA22	ENSG00000	7.4	169.248	-4.341	8.54E-49
SKAP1	ENSG00000	4.71	27.509	-2.32	8.50E-31
LRRC46	ENSG00000	0.84	83.221	-5.516	2.10E-74
SSH2	ENSG00000	6.64	38.88	-2.384	2.87E-59
SPACA3	ENSG00000	0.06	164.871	-7.29	4.89E-76
SLC25A52	ENSG00000	0.16	7.68	-2.904	7.72E-53
GATA6	ENSG00000	1.08	8.25	-2.153	1.65E-12
GREB1L	ENSG00000	0.21	5.56	-2.439	2.18E-55
ZMYND15	ENSG00000	1.31	43.901	-4.281	2.48E-59
RNF157	ENSG00000	4.21	45.05	-3.144	2.47E-54
MBD1	ENSG00000	20.71	132.357	-2.619	5.72E-89
ZCCHC2	ENSG00000	4.42	25.61	-2.296	5.67E-66
FBXO15	ENSG00000	1.03	34.63	-4.134	4.75E-81
TMEM91	ENSG00000	6.61	48.86	-2.712	1.19E-61
SIRT3	ENSG00000	8.93	54.681	-2.487	4.86E-76
EVI5L	ENSG00000	5.06	49.841	-3.069	1.35E-76
ZNF473	ENSG00000	6.37	39.14	-2.445	3.95E-47
FAM71E1	ENSG00000	6.76	179.158	-4.537	1.62E-51
SLC2A5	ENSG00000	2.93	55.372	-3.842	2.54E-61
MMEL1	ENSG00000	1.12	36.88	-4.159	7.27E-47
FHAD1	ENSG00000	0.7	38.609	-4.542	1.54E-64
MYOM3	ENSG00000	0.73	11.64	-2.869	1.79E-67
SYPL2	ENSG00000	0.62	12.18	-3.024	3.90E-78
PROK1	ENSG00000	0.29	68.029	-5.742	2.35E-61
MPC2	ENSG00000	48.691	303.32	-2.615	2.17E-56
MAEL	ENSG00000	3.23	164.369	-5.289	6.49E-53
ILDR2	ENSG00000	0.33	9.21	-2.941	9.31E-78
ISG20L2	ENSG00000	30.969	208.918	-2.715	2.63E-41
FAM163A	ENSG00000	0.06	15.47	-3.958	2.15E-60
RORC	ENSG00000	0.74	15.02	-3.203	5.15E-69
FAM63A	ENSG00000	2.77	30.6	-3.067	3.80E-75
SEMA6C	ENSG00000	11.8	73.5	-2.541	3.52E-60
OAZ3	ENSG00000	7.05	424.581	-5.724	2.05E-53
HORMAD1	ENSG00000	7.79	70.039	-3.015	6.94E-31
GABPB2	ENSG00000	2.37	18.5	-2.533	5.34E-83
HHIPL2	ENSG00000	0.66	13.93	-3.169	3.43E-57
NUP210L	ENSG00000	0.03	21.95	-4.478	1.97E-87
SCCPDH	ENSG00000	11.02	131.652	-3.464	3.72E-61
MLK4	ENSG00000	0.78	8.68	-2.443	2.34E-45
ETNK2	ENSG00000	19.79	177.995	-3.106	3.37E-75

PPFIA4	ENSG00000	1.46	8.87	-2.004	1.05E-52
PLEKHA6	ENSG00000	0.63	7.4	-2.366	7.83E-13
OSR1	ENSG00000	0.66	7.84	-2.413	1.15E-09
REG3G	ENSG00000	0.07	47.629	-5.506	7.26E-53
ST6GAL2	ENSG00000	0.09	4.27	-2.273	5.17E-27
NPHP1	ENSG00000	4.56	34.071	-2.657	6.16E-60
NT5DC4	ENSG00000	0.27	18.699	-3.955	7.60E-33
RABL2A	ENSG00000	4.7	39.36	-2.824	1.40E-65
FAHD2B	ENSG00000	14.5	83.528	-2.447	2.11E-66
LYG1	ENSG00000	0.65	7.14	-2.303	7.19E-71
KIAA1715	ENSG00000	5.58	32.139	-2.332	5.11E-38
ZNF385B	ENSG00000	0.54	14.17	-3.3	1.37E-86
PHOSPHO2	ENSG00000	2.97	19.55	-2.372	7.06E-56
GULP1	ENSG00000	1.22	13.65	-2.722	9.35E-23
UNC80	ENSG00000	0.13	5.85	-2.6	1.62E-95
SPAG16	ENSG00000	7.24	45.959	-2.511	1.24E-57
HES6	ENSG00000	4.58	30.181	-2.482	1.60E-35
STK11IP	ENSG00000	18.96	115.768	-2.548	3.63E-79
OSBPL10	ENSG00000	3.98	73.439	-3.902	7.14E-46
SLC22A14	ENSG00000	0.04	15.08	-3.951	4.09E-71
IGSF11	ENSG00000	0.5	44.929	-4.936	2.65E-98
TMEM108	ENSG00000	3.87	18.67	-2.014	6.00E-29
SPATA16	ENSG00000	0.06	44.059	-5.41	1.59E-68
LPP	ENSG00000	2.59	96.609	-4.765	1.41E-69
NICN1	ENSG00000	5.38	24.58	-2.003	5.02E-63
VPRBP	ENSG00000	13.53	69.642	-2.281	1.06E-46
LYAR	ENSG00000	19.24	105.799	-2.4	7.15E-33
SLC10A6	ENSG00000	0.04	5.34	-2.608	1.26E-52
SCD5	ENSG00000	1.38	28.281	-3.621	4.04E-49
ROPN1L	ENSG00000	0.8	463.587	-8.012	6.03E-79
UGT3A1	ENSG00000	0.21	10.61	-3.262	1.01E-38
PLK2	ENSG00000	7.97	41.231	-2.235	2.80E-24
IQGAP2	ENSG00000	9.62	59.399	-2.508	2.50E-29
SPATA9	ENSG00000	0.25	36.661	-4.913	2.58E-69
TSLP	ENSG00000	0.1	5.58	-2.581	2.86E-34
LECT2	ENSG00000	0.06	11.74	-3.587	1.77E-57
TIMD4	ENSG00000	0.59	184.221	-6.864	1.20E-70
RMND5B	ENSG00000	19.71	121.532	-2.565	6.07E-51
FAM50B	ENSG00000	2.13	18.28	-2.623	1.62E-75
FAM217A	ENSG00000	0.04	26.5	-4.725	2.00E-83
KLHL3	ENSG00000	2.12	13.13	-2.179	1.57E-78
HIST1H2B/	ENSG00000	0.08	6.67	-2.828	1.14E-49
RASGEF1C	ENSG00000	0.18	9.11	-3.099	7.69E-79
TCTE1	ENSG00000	0.51	40.221	-4.771	1.87E-71
RNF217	ENSG00000	0.94	13.25	-2.877	4.56E-71
PNLDC1	ENSG00000	1.59	14.8	-2.609	1.15E-21
SDK1	ENSG00000	1.09	15.23	-2.957	8.96E-40
TRIM50	ENSG00000	0.21	12.8	-3.512	3.26E-104
RAB41	ENSG00000	0.17	5.03	-2.366	9.65E-70

ZNF711	ENSG00000	2.02	35.859	-3.609	3.39E-55
NXF3	ENSG00000	0.46	239.187	-7.362	5.54E-99
FBXO25	ENSG00000	10.36	112.469	-3.32	4.46E-68
FATE1	ENSG00000	0.73	310.316	-7.491	5.08E-81
MAGEA4	ENSG00000	0.72	29.219	-4.135	1.28E-21
SLC25A37	ENSG00000	13.13	56.539	-2.026	6.60E-52
STAR	ENSG00000	1.94	60.199	-4.38	3.95E-53
SNTG1	ENSG00000	0	5.98	-2.803	7.35E-38
PXDNL	ENSG00000	0.93	6.81	-2.017	4.60E-13
TRIM55	ENSG00000	0.15	18.67	-4.096	4.91E-100
FAM135B	ENSG00000	0.21	20.45	-4.148	5.33E-60
ZNF462	ENSG00000	3.18	16.16	-2.037	4.22E-36
WDR31	ENSG00000	0.62	5.55	-2.015	6.36E-61
PTGES	ENSG00000	3.31	21.681	-2.396	2.71E-27
HMCN2	ENSG00000	0.75	11.24	-2.806	1.74E-65
ZEB1	ENSG00000	2.92	17.73	-2.256	5.16E-34
FAM13C	ENSG00000	0.73	8.71	-2.489	1.56E-52
LRIT1	ENSG00000	0.01	7.89	-3.138	2.24E-61
RGR	ENSG00000	0	4.22	-2.384	1.08E-46
HTR7	ENSG00000	0.27	7.31	-2.71	2.62E-63
LRRC27	ENSG00000	4.24	123.596	-4.572	1.66E-84
NKX6-2	ENSG00000	0.1	3.63	-2.074	1.86E-16
PAOX	ENSG00000	4.21	95.457	-4.211	5.78E-62
SESN3	ENSG00000	2.54	63.201	-4.181	1.70E-57
TTC12	ENSG00000	4.64	58.48	-3.399	6.59E-75
NCAM1	ENSG00000	1.28	9.65	-2.224	4.08E-18
GLB1L2	ENSG00000	1.76	11.68	-2.2	3.53E-49
GGTLC1	ENSG00000	0	21.84	-4.514	3.95E-62
TKFC	ENSG00000	24.669	112.938	-2.15	1.16E-64
ROM1	ENSG00000	1.18	7.98	-2.042	2.66E-53
ZP1	ENSG00000	0.02	9.21	-3.323	2.62E-57
OOSP2	ENSG00000	0	19.2	-4.336	6.60E-94
FEZ1	ENSG00000	3.32	36.539	-3.119	5.16E-55
SPATA25	ENSG00000	0.63	30.33	-4.265	2.95E-79
FAM57B	ENSG00000	0.23	154.214	-6.979	2.22E-73
HIRIP3	ENSG00000	12.28	57.472	-2.138	3.58E-54
MPP7	ENSG00000	0.68	9.41	-2.631	1.77E-50
CCDC7	ENSG00000	0.08	41.9	-5.312	1.92E-82
FRMPD2B	ENSG00000	0.01	5.53	-2.693	3.64E-54
LATS2	ENSG00000	3.43	19.5	-2.21	3.09E-52
KIAA1328	ENSG00000	1.99	18.539	-2.708	6.74E-93
LYPD6B	ENSG00000	2.55	48.87	-3.812	5.03E-38
SPATA4	ENSG00000	0.09	120.4	-6.799	1.35E-81
FSIP1	ENSG00000	0.28	6.06	-2.464	1.61E-65
PPP1R1C	ENSG00000	3.74	52.749	-3.503	1.92E-49
PIH1D2	ENSG00000	0.69	69.271	-5.378	2.73E-78
TEX12	ENSG00000	0.17	12.71	-3.551	1.82E-87
TKTL2	ENSG00000	0.07	34.91	-5.069	3.66E-80
LYZL2	ENSG00000	0	90.628	-6.518	5.95E-73

RAD9B	ENSG00000	0.38	16.27	-3.645	1.49E-89
MAT1A	ENSG00000	0.26	9.89	-3.111	2.65E-98
MAGI1	ENSG00000	4.02	21.07	-2.136	1.56E-31
TEX30	ENSG00000	11.22	136.276	-3.49	5.79E-72
ME3	ENSG00000	1.31	20.53	-3.22	1.50E-59
FER	ENSG00000	4.33	22.32	-2.129	1.35E-48
SLC25A31	ENSG00000	0.09	33.529	-4.985	1.66E-82
TEX9	ENSG00000	2.18	14.37	-2.273	7.82E-61
NR3C2	ENSG00000	0.41	11.82	-3.185	3.79E-71
INPP1	ENSG00000	3.87	78.129	-4.022	1.57E-78
SLC25A4	ENSG00000	7.84	39.579	-2.199	8.58E-46
SERP2	ENSG00000	2.06	62.37	-4.372	4.25E-95
ZNF385D	ENSG00000	0.67	35.429	-4.447	1.78E-71
PABPC3	ENSG00000	0.23	28.479	-4.583	2.49E-73
GLT1D1	ENSG00000	1.83	21.421	-2.986	6.48E-29
RBM46	ENSG00000	1.66	10.63	-2.128	3.39E-27
TUBA3E	ENSG00000	0.38	208.846	-7.249	2.31E-33
TMEM163	ENSG00000	0.93	9.96	-2.506	7.58E-51
HSPB8	ENSG00000	2.53	14.19	-2.105	1.67E-15
GRID2	ENSG00000	0.19	38.991	-5.071	1.13E-71
SH2D6	ENSG00000	0.72	22.07	-3.746	8.22E-54
SPOCK1	ENSG00000	1.8	18.43	-2.795	2.64E-38
SUV39H2	ENSG00000	8.1	46.429	-2.382	2.59E-39
OLAH	ENSG00000	1.76	31.84	-3.573	3.11E-30
ZSCAN1	ENSG00000	1.2	11.2	-2.471	6.00E-49
TRIM36	ENSG00000	2.78	212.85	-5.822	3.80E-61
PLEKHH2	ENSG00000	0.92	6.99	-2.057	3.42E-31
IGSF10	ENSG00000	0.47	10.4	-2.955	2.09E-39
SPEF2	ENSG00000	1.26	11.68	-2.488	8.28E-64
NADK2	ENSG00000	5.12	43.761	-2.871	9.68E-65
SAR1B	ENSG00000	11.9	59.858	-2.238	8.00E-56
WDR78	ENSG00000	0.86	27.31	-3.928	1.97E-76
UTRN	ENSG00000	11.7	66.389	-2.408	2.76E-31
LMNTD1	ENSG00000	0.09	8.06	-3.055	3.80E-27
STK32B	ENSG00000	1.33	12.35	-2.518	4.69E-36
TEKT5	ENSG00000	0.27	43.51	-5.131	3.44E-68
RGPD3	ENSG00000	0.13	8.29	-3.039	2.30E-77
NR4A2	ENSG00000	0.76	7.26	-2.231	1.15E-48
SCN3A	ENSG00000	0.09	4.54	-2.346	1.44E-55
SLC25A27	ENSG00000	2.55	43.721	-3.655	7.94E-80
FRMD1	ENSG00000	0.1	10.17	-3.344	7.40E-87
FAM81B	ENSG00000	0.07	118.528	-6.804	1.77E-66
LINC00467	ENSG00000	17.05	364.127	-4.338	4.66E-37
INO80C	ENSG00000	19.91	111.26	-2.425	3.92E-57
TEX29	ENSG00000	0.11	63.711	-5.865	4.93E-77
SPACA7	ENSG00000	0	109.972	-6.794	3.79E-76
FBXL2	ENSG00000	1.67	22.49	-3.137	1.32E-58
GOLGA8F	ENSG00000	0	27.179	-4.817	2.05E-74
TGIF2LX	ENSG00000	0.14	10.76	-3.367	2.31E-41

ZNF599	ENSG00000	3.46	19.48	-2.199	1.52E-75
SEMA3D	ENSG00000	0.37	5.02	-2.136	1.79E-29
FAM134B	ENSG00000	1.08	76.399	-5.218	8.85E-69
TNIK	ENSG00000	1.6	20.269	-3.032	1.29E-41
FAM167A	ENSG00000	0.5	5.16	-2.038	1.10E-33
FAM27C	ENSG00000	0.74	54.149	-4.986	2.57E-71
SRSF12	ENSG00000	3.01	20.99	-2.455	2.90E-42
PSMA8	ENSG00000	0.13	18.84	-4.134	1.90E-92
NCAM2	ENSG00000	0.5	6.93	-2.402	4.65E-61
L3MBTL4	ENSG00000	0.51	14.34	-3.345	1.65E-135
PDE1C	ENSG00000	0.42	7.73	-2.62	9.03E-50
JAM2	ENSG00000	3.94	34.951	-2.863	2.93E-52
EPHB1	ENSG00000	0.77	7.48	-2.26	8.18E-41
14-Sep	ENSG00000	0.27	14.54	-3.613	4.74E-71
RSPH10B	ENSG00000	1.87	25.95	-3.231	4.29E-35
ODF1	ENSG00000	0	507.828	-8.991	3.90E-79
SLC25A28	ENSG00000	29.28	138.976	-2.209	9.36E-83
USP25	ENSG00000	9.7	47.679	-2.186	1.65E-52
PPM1J	ENSG00000	2.86	92.808	-4.603	6.89E-62
TRIM74	ENSG00000	0.13	7.66	-2.938	1.45E-106
MAGEC1	ENSG00000	0.91	9.31	-2.432	1.06E-28
LRGUK	ENSG00000	0.32	5.37	-2.271	9.81E-73
SETD9	ENSG00000	6.66	48.468	-2.691	6.19E-46
PDZD9	ENSG00000	0.06	19.09	-4.244	5.66E-67
OTOA	ENSG00000	0.86	8.66	-2.377	5.10E-36
SPAG17	ENSG00000	0.61	65.981	-5.379	2.99E-74
SAXO1	ENSG00000	0.03	48.321	-5.581	7.65E-70
TRIM42	ENSG00000	0	20	-4.392	2.32E-57
PXYLP1	ENSG00000	4.11	47.441	-3.245	5.87E-46
PSD3	ENSG00000	2.6	65.839	-4.215	6.70E-63
FAM161B	ENSG00000	2.42	21.45	-2.715	1.67E-40
GPR61	ENSG00000	0.4	4.66	-2.015	7.44E-77
TDRD9	ENSG00000	2.26	57.09	-4.155	1.08E-64
SH3RF2	ENSG00000	0.67	526.065	-8.302	2.13E-84
PPP2R2B	ENSG00000	1.2	24.75	-3.549	1.41E-39
FBXO43	ENSG00000	1.1	7.91	-2.085	1.71E-43
TYSND1	ENSG00000	8.32	43.239	-2.247	1.38E-51
ZFAND3	ENSG00000	39.73	219.214	-2.435	7.74E-45
MAPK13	ENSG00000	6.42	51.789	-2.831	3.13E-59
FBRS	ENSG00000	20.72	208.166	-3.268	2.91E-88
PHKG2	ENSG00000	34.551	242.106	-2.774	3.20E-57
VPS8	ENSG00000	10.75	47.31	-2.04	6.71E-64
PDE6D	ENSG00000	14.73	74.048	-2.254	7.49E-57
FAM92A1P	ENSG00000	0.94	8.37	-2.272	7.59E-46
SHCBP1L	ENSG00000	0.19	141.317	-6.902	9.46E-90
NMNAT2	ENSG00000	1.26	25.3	-3.541	2.37E-73
LYZL4	ENSG00000	0	68.74	-6.124	7.02E-73
SLC6A1	ENSG00000	0.24	6.23	-2.544	6.17E-65
LRP8	ENSG00000	3.5	30.519	-2.808	6.52E-65

SUSD3	ENSG00000	20	102.508	-2.301	9.83E-28
HYDIN	ENSG00000	1.14	15.63	-2.958	2.87E-71
ZNF19	ENSG00000	1.7	17.82	-2.801	5.70E-85
MUM1L1	ENSG00000	0.24	19.68	-4.06	1.66E-97
LCA5L	ENSG00000	1.99	105.032	-5.148	8.18E-69
MEGF11	ENSG00000	0.5	16.3	-3.528	8.30E-53
RADIL	ENSG00000	3.41	22.161	-2.393	6.15E-46
UBXN11	ENSG00000	15	84.617	-2.42	4.02E-59
HPD	ENSG00000	2.7	15.98	-2.198	6.05E-23
LRRC43	ENSG00000	0.89	12.05	-2.788	1.62E-63
SLC13A3	ENSG00000	0.81	6.87	-2.12	9.93E-44
RHBDL2	ENSG00000	0.2	9	-3.059	5.75E-80
RIBC1	ENSG00000	2.95	49.148	-3.666	8.84E-52
POM121L2	ENSG00000	0.04	6.44	-2.839	2.95E-68
GDPD5	ENSG00000	11.84	62.969	-2.317	1.76E-44
PAGE5	ENSG00000	0.45	32.78	-4.542	7.30E-25
VWA5B1	ENSG00000	0.02	11.09	-3.567	2.58E-58
RAPGEF6	ENSG00000	2.97	15.78	-2.08	7.13E-67
FBXW5	ENSG00000	47.96	433.893	-3.151	1.03E-78
KCNE2	ENSG00000	0.31	4.99	-2.193	1.26E-54
GOLGA6A	ENSG00000	0.35	35.49	-4.756	6.81E-58
SCUBE1	ENSG00000	0.5	9.14	-2.757	5.84E-59
STARD9	ENSG00000	2.9	31.721	-3.069	5.33E-80
TGM7	ENSG00000	0.12	8.09	-3.021	3.32E-42
RGL4	ENSG00000	1.28	10.99	-2.395	6.56E-33
SPRR2G	ENSG00000	0	3.23	-2.081	6.00E-37
TEPP	ENSG00000	0.27	25.12	-4.362	6.64E-67
LRRC36	ENSG00000	0.82	81.12	-5.496	3.21E-84
TPPP3	ENSG00000	3.96	20.141	-2.092	3.79E-13
ZDHHHC1	ENSG00000	3.51	33.941	-2.954	1.45E-67
ZFYVE28	ENSG00000	1.59	17.869	-2.865	8.29E-94
NPR2	ENSG00000	3.65	27.729	-2.627	3.27E-40
TMEM234	ENSG00000	6.73	41.76	-2.468	3.59E-85
KALRN	ENSG00000	2.46	22.161	-2.743	4.31E-46
RSPH1	ENSG00000	1.55	43.931	-4.139	2.14E-50
HSF2BP	ENSG00000	0.83	31.73	-4.161	1.93E-82
PDXK	ENSG00000	45.689	629.995	-3.756	5.99E-62
FTCD	ENSG00000	0.54	64.11	-5.402	2.05E-69
SPATC1L	ENSG00000	8.56	64.248	-2.771	7.27E-36
GPSM1	ENSG00000	3.13	36.39	-3.178	4.43E-35
HIPK4	ENSG00000	0.07	24.01	-4.547	3.31E-70
TMEM190	ENSG00000	0.21	72.258	-5.92	1.93E-55
PPAPDC3	ENSG00000	0.86	6.51	-2.014	3.00E-68
SIK3	ENSG00000	6.73	47.441	-2.648	2.46E-77
LRRC71	ENSG00000	0.13	51.739	-5.544	3.07E-72
LY6K	ENSG00000	0.75	50.899	-4.89	3.90E-65
PPP1R16A	ENSG00000	20.031	112.454	-2.432	4.82E-68
PGLYRP2	ENSG00000	0.03	6.87	-2.934	2.07E-83
LRWD1	ENSG00000	38.689	403.94	-3.351	4.32E-46

FBXL13	ENSG00000	0.69	20.949	-3.699	3.10E-62
NAPEPLD	ENSG00000	3.53	18.09	-2.075	2.13E-70
LRRC56	ENSG00000	1.19	29.549	-3.802	9.39E-71
PLXDC1	ENSG00000	3.84	19.271	-2.066	7.03E-22
GRIN2C	ENSG00000	0.13	5.88	-2.606	4.48E-111
KLHL10	ENSG00000	0.36	71.12	-5.729	7.97E-70
IZUMO2	ENSG00000	0.24	86.228	-6.136	2.14E-69
SYCE2	ENSG00000	1.22	36.99	-4.097	3.90E-79
ZNF653	ENSG00000	6.61	43.761	-2.556	8.29E-80
WDR90	ENSG00000	15.82	182.543	-3.448	4.20E-84
MEIOB	ENSG00000	5.11	49.292	-3.041	1.45E-34
NEU3	ENSG00000	2.47	17.27	-2.396	1.05E-84
PPP1R32	ENSG00000	1.13	131.16	-5.955	1.37E-87
GNG3	ENSG00000	0.37	14.78	-3.526	7.23E-56
ITIH3	ENSG00000	0.88	10.56	-2.62	5.28E-61
TSSK3	ENSG00000	0.62	44.501	-4.812	2.85E-104
UBXN10	ENSG00000	0.62	13.86	-3.197	2.09E-65
TTL10	ENSG00000	0.12	63.751	-5.853	6.55E-67
SCNN1D	ENSG00000	1.9	47.751	-4.071	2.44E-107
LRRIQ3	ENSG00000	0.58	17.38	-3.54	2.09E-66
WDR63	ENSG00000	0.41	22.13	-4.036	7.53E-66
HFM1	ENSG00000	1.91	14.48	-2.411	1.13E-68
SLC9C2	ENSG00000	0.09	10.25	-3.368	7.37E-107
KLHDC9	ENSG00000	3.53	137.825	-4.938	6.72E-75
LRRC52	ENSG00000	0	21.04	-4.462	1.76E-56
FAM71A	ENSG00000	0	98.291	-6.634	4.26E-65
TDRD5	ENSG00000	1.88	21.12	-2.941	2.00E-50
SNED1	ENSG00000	1	13.68	-2.876	1.62E-46
SPATA17	ENSG00000	2.52	90.408	-4.699	1.27E-51
WDR64	ENSG00000	0.04	8.51	-3.193	9.08E-62
KLHDC8A	ENSG00000	1.01	7.12	-2.014	1.76E-20
TRIM17	ENSG00000	1.52	54.059	-4.45	8.70E-58
RFTN2	ENSG00000	1.8	10.87	-2.084	1.42E-28
FAM84A	ENSG00000	0.23	16.429	-3.825	2.16E-56
ZSWIM2	ENSG00000	0	5.38	-2.674	7.93E-61
TEKT4	ENSG00000	0.04	20.89	-4.396	5.59E-61
SPATA18	ENSG00000	1.05	93.137	-5.521	3.67E-70
NOSTRIN	ENSG00000	3.59	34.22	-2.94	2.44E-62
INHBB	ENSG00000	1.3	21.61	-3.297	2.69E-62
PDHA2	ENSG00000	0	68.071	-6.11	2.91E-81
PACRGL	ENSG00000	8.04	56.001	-2.657	2.41E-63
SMCP	ENSG00000	0	1037.502	-10.02	2.72E-81
TDRD10	ENSG00000	4.22	110.468	-4.416	1.95E-47
PAQR3	ENSG00000	7.25	39.749	-2.304	1.16E-58
HIPK1	ENSG00000	10.01	48.12	-2.158	1.22E-54
IGFN1	ENSG00000	0.16	10.74	-3.339	1.19E-60
PROK2	ENSG00000	0.32	10.59	-3.134	4.58E-68
LMOD1	ENSG00000	1.48	21.96	-3.211	3.92E-30
PDCL2	ENSG00000	2.68	77.842	-4.421	1.01E-45

TSACC	ENSG00000	9.59	1237.917	-6.87	1.97E-63
STK36	ENSG00000	23.99	111.183	-2.166	1.68E-62
NEK10	ENSG00000	0.56	30.77	-4.348	3.35E-68
HDAC11	ENSG00000	4.56	122.03	-4.468	2.77E-67
GLB1L	ENSG00000	5.81	87.65	-3.702	8.58E-78
SPTA1	ENSG00000	0.1	3.99	-2.182	1.42E-54
ICA1L	ENSG00000	2.23	12.19	-2.03	6.88E-49
KIAA1407	ENSG00000	1.61	16.05	-2.708	1.36E-69
ERICH6	ENSG00000	0.07	33.4	-5.007	5.68E-74
TIPARP	ENSG00000	3.67	36.931	-3.022	1.14E-70
FANCD2O8	ENSG00000	0.06	111.121	-6.725	1.25E-73
MTHFD2L	ENSG00000	1.57	11.19	-2.246	2.27E-75
PLSCR2	ENSG00000	0.16	13.65	-3.659	5.99E-38
SPDYA	ENSG00000	0.78	42.94	-4.626	9.44E-90
ZDHHC3	ENSG00000	32.901	156.226	-2.213	9.37E-53
LZTFL1	ENSG00000	8.06	59.35	-2.736	5.39E-52
NMNAT3	ENSG00000	2.16	43.431	-3.814	5.31E-70
IFT122	ENSG00000	15.85	130.553	-2.965	2.57E-74
RPL39L	ENSG00000	59.272	269.603	-2.167	1.55E-28
SFMBT1	ENSG00000	6.03	39.11	-2.512	4.74E-40
UVSSA	ENSG00000	3.05	32.13	-3.032	9.29E-88
ZDHHC19	ENSG00000	1.68	114.039	-5.424	9.50E-81
SLC51A	ENSG00000	3.84	29.57	-2.659	1.34E-61
SGMS2	ENSG00000	0.5	9.53	-2.811	1.22E-47
SLC9B1	ENSG00000	0.99	47.669	-4.612	1.81E-73
HSPA4L	ENSG00000	1.06	92.27	-5.501	2.83E-82
GRM2	ENSG00000	2.44	21.01	-2.678	4.49E-36
SCRG1	ENSG00000	0.07	18.26	-4.17	4.52E-89
TMEM144	ENSG00000	4.08	23.429	-2.266	2.37E-36
ZNF474	ENSG00000	0.03	6.93	-2.945	6.01E-50
PRDM9	ENSG00000	0.05	4.52	-2.394	7.58E-78
SPZ1	ENSG00000	0.99	33.07	-4.098	1.22E-49
FAM170A	ENSG00000	0	21.6	-4.498	6.59E-78
ACSL6	ENSG00000	1.26	49.49	-4.482	3.01E-71
GDF9	ENSG00000	0.33	11.46	-3.228	6.94E-99
STXBP5	ENSG00000	2.89	15.14	-2.053	2.73E-53
HIST1H2A	ENSG00000	0	6.73	-2.95	3.12E-70
PI16	ENSG00000	1.08	14.31	-2.88	4.45E-16
KIAA0895	ENSG00000	3.19	21.22	-2.407	9.55E-46
FAM183B	ENSG00000	0.06	35.911	-5.122	2.36E-79
GPR85	ENSG00000	0.96	10.1	-2.502	6.05E-37
IQUB	ENSG00000	0.27	25.069	-4.359	5.11E-76
SLC13A4	ENSG00000	0.99	11.29	-2.627	4.38E-15
PGAM2	ENSG00000	1.08	254.813	-6.942	1.85E-69
SUN3	ENSG00000	3.89	46.311	-3.274	1.12E-33
SBSPON	ENSG00000	1.07	8.88	-2.255	5.99E-33
OXR1	ENSG00000	4.2	48.04	-3.237	1.98E-61
TMEM184	ENSG00000	0.24	7	-2.69	4.21E-27
GBX1	ENSG00000	0.07	9.06	-3.233	2.39E-83

OSR2	ENSG00000	1.22	41.639	-4.264	1.18E-40
FREM1	ENSG00000	0.6	8.37	-2.55	7.69E-12
TMEM67	ENSG00000	3.96	20.1	-2.089	4.78E-50
LETM2	ENSG00000	1.39	38.711	-4.054	3.12E-67
PRKACG	ENSG00000	0.15	32.119	-4.848	1.11E-69
PRSS37	ENSG00000	0.01	58.12	-5.871	3.79E-70
GKAP1	ENSG00000	11.2	188.562	-3.958	1.72E-51
KIF27	ENSG00000	2.25	26.969	-3.105	3.87E-72
SSMEM1	ENSG00000	0.03	31.48	-4.979	2.72E-68
RP11-213C	ENSG00000	1.4	9.81	-2.171	7.31E-66
TRPV6	ENSG00000	0.55	5.31	-2.025	8.02E-32
RNF183	ENSG00000	0.74	7.99	-2.369	1.91E-46
LRRC18	ENSG00000	0.02	17.01	-4.142	4.31E-60
PHYHIPL	ENSG00000	0.23	31.051	-4.704	3.06E-81
PKNOX2	ENSG00000	0.45	6.08	-2.288	1.46E-32
RPL10L	ENSG00000	6.11	119.361	-4.081	8.56E-40
TMEM63C	ENSG00000	0.97	15.47	-3.064	4.87E-72
NOXRED1	ENSG00000	0.47	11.13	-3.045	4.71E-65
SSX3	ENSG00000	0.09	16.89	-4.037	6.69E-86
VSTM4	ENSG00000	0.85	9.56	-2.513	4.33E-38
SOHLH1	ENSG00000	0.07	21.9	-4.42	2.61E-97
PDZD8	ENSG00000	6.15	58.732	-3.063	2.05E-39
GFI1B	ENSG00000	0.02	5.76	-2.728	6.56E-63
STK32C	ENSG00000	7.51	71.818	-3.097	9.75E-76
PPP1R36	ENSG00000	0.29	55.629	-5.456	2.93E-77
ERICH6B	ENSG00000	0.34	5.37	-2.249	2.09E-86
HSPA12A	ENSG00000	1.16	7.97	-2.054	2.84E-42
FAM35BP	ENSG00000	0.8	10.15	-2.631	3.47E-77
UBTD1	ENSG00000	16.09	76.962	-2.19	1.59E-51
SLC39A13	ENSG00000	13.72	109.873	-2.913	2.48E-76
IFI27L1	ENSG00000	17.67	140.857	-2.926	1.03E-92
PDZRN4	ENSG00000	0.07	3.36	-2.027	1.20E-26
PASD1	ENSG00000	0.3	15.14	-3.634	5.36E-52
TMCO5A	ENSG00000	0	149.582	-7.234	2.00E-75
RP11-299F	ENSG00000	0.09	4.63	-2.369	1.91E-56
SPATA19	ENSG00000	0	171.135	-7.427	8.94E-77
TBATA	ENSG00000	0.02	32.68	-5.045	1.57E-65
FAM227B	ENSG00000	4.1	19.929	-2.037	9.68E-54
POTED	ENSG00000	0.02	4.04	-2.305	1.48E-42
WDR88	ENSG00000	0.16	10.59	-3.321	1.06E-66
PPFIBP2	ENSG00000	12.02	58.06	-2.181	5.74E-41
RIC3	ENSG00000	3.51	20.53	-2.255	5.05E-67
XRRA1	ENSG00000	3.2	56.172	-3.767	2.80E-78
TRIM66	ENSG00000	1.42	34.251	-3.865	3.04E-92
TMEM130	ENSG00000	0.95	45.759	-4.584	7.75E-59
MFAP4	ENSG00000	6.54	32.43	-2.149	4.83E-04
TK2	ENSG00000	8	44.01	-2.322	3.29E-77
IQCD	ENSG00000	1.45	57.209	-4.57	4.01E-65
ZNF667-A	ENSG00000	18.71	83.008	-2.092	3.47E-56

LDHC	ENSG00000	0.81	335.809	-7.54	1.39E-83
LDHAL6A	ENSG00000	0.24	7.77	-2.822	5.87E-50
PLIN1	ENSG00000	0.11	15.15	-3.863	1.12E-97
GPR182	ENSG00000	0.06	7.06	-2.927	6.04E-57
MIR202HG	ENSG00000	0.22	577.428	-8.889	1.33E-92
NYAP1	ENSG00000	1.68	12.5	-2.333	2.47E-70
MS4A6E	ENSG00000	0	125.078	-6.978	6.02E-75
MS4A14	ENSG00000	0.42	111.63	-6.31	2.51E-81
MS4A5	ENSG00000	0	59.659	-5.923	1.61E-67
EPB42	ENSG00000	0.11	7.21	-2.887	6.88E-85
EVA1C	ENSG00000	2.96	32.41	-3.077	5.13E-61
TCP10L2	ENSG00000	0.05	27.249	-4.75	2.17E-83
NKX3-1	ENSG00000	0.7	18.13	-3.492	1.35E-63
MEI1	ENSG00000	9.59	70.8	-2.761	7.58E-37
TTC16	ENSG00000	0.17	28.381	-4.65	5.59E-78
SUN5	ENSG00000	0	58.72	-5.9	9.77E-72
TBC1D21	ENSG00000	0	63.482	-6.011	1.19E-70
UGT1A6	ENSG00000	0.07	3.85	-2.18	8.39E-47
ISLR2	ENSG00000	0.38	22.7	-4.102	5.01E-47
GOLGA6C	ENSG00000	0.03	9.51	-3.351	1.36E-53
LOXHD1	ENSG00000	0.82	28.58	-4.023	8.76E-56
KATNAL2	ENSG00000	2.36	20.99	-2.71	1.90E-65
ZNF91	ENSG00000	12.19	67.4	-2.375	3.85E-54
RBFOX3	ENSG00000	1.64	10.93	-2.176	3.67E-30
PRRT2	ENSG00000	1.54	16.08	-2.749	2.64E-47
LINC00905	ENSG00000	0	34.999	-5.17	1.82E-89
GPX4	ENSG00000	283.419	1968.252	-2.792	1.70E-51
NOS2P2	ENSG00000	0	9.53	-3.396	3.23E-48
SPATA33	ENSG00000	6.39	190.916	-4.699	4.12E-72
PROCA1	ENSG00000	8.72	348.858	-5.17	3.24E-63
PROSER3	ENSG00000	8.24	41.619	-2.206	1.44E-43
TTYH1	ENSG00000	15.73	94.359	-2.511	1.76E-33
LENG8	ENSG00000	36.859	275.727	-2.87	8.05E-103
PPP1R14A	ENSG00000	20.92	100.141	-2.206	2.40E-40
GPT	ENSG00000	0.18	6.67	-2.7	5.89E-82
KIFC2	ENSG00000	5.97	51.069	-2.901	2.06E-87
SERPINF2	ENSG00000	1.58	14.84	-2.618	1.89E-23
KLK2	ENSG00000	1.22	38.63	-4.158	4.33E-61
KLK5	ENSG00000	0.73	18.52	-3.496	1.14E-31
KLK11	ENSG00000	0.15	28.499	-4.681	3.25E-56
TEKT1	ENSG00000	0.05	37.731	-5.205	2.70E-59
TMEM99	ENSG00000	11.03	139.14	-3.542	2.85E-76
RAB3IL1	ENSG00000	7.68	60.12	-2.816	4.52E-65
HRASLS5	ENSG00000	1.75	84.01	-4.95	4.62E-78
TTC21A	ENSG00000	3.11	141.847	-5.119	8.20E-96
ULK4	ENSG00000	4.1	26.259	-2.418	1.35E-45
HIST3H3	ENSG00000	0	3.48	-2.163	2.38E-58
KIF5C	ENSG00000	5.2	38.499	-2.671	3.73E-61
FAM107A	ENSG00000	0.86	7.05	-2.114	7.62E-14

MOBP	ENSG00000	0.23	16.28	-3.812	7.40E-78
LINC00917	ENSG00000	0.03	138.102	-7.077	8.22E-75
FILIP1L	ENSG00000	4.2	21.54	-2.116	1.55E-28
MFSD2A	ENSG00000	7.79	53.742	-2.639	8.20E-46
HR	ENSG00000	2.11	20.129	-2.764	6.91E-35
TXNDC2	ENSG00000	0.03	149.872	-7.195	7.77E-73
TNXB	ENSG00000	4.15	22.689	-2.202	2.29E-38
SFTPC	ENSG00000	0	5.07	-2.602	1.33E-49
PHYHIP	ENSG00000	0.46	12.63	-3.223	7.95E-67
GFRA2	ENSG00000	1.16	12.22	-2.614	3.39E-32
VWA3B	ENSG00000	0.36	85.342	-5.988	2.22E-66
LDLRAD4	ENSG00000	1.55	17.57	-2.864	7.70E-50
KCTD19	ENSG00000	0.52	79.522	-5.727	6.45E-85
TSPY2	ENSG00000	0.86	20.559	-3.535	6.04E-12
SHOX2	ENSG00000	0.45	5.58	-2.182	7.38E-24
PIIP5K1	ENSG00000	4.31	27.389	-2.419	8.56E-71
LRRC28	ENSG00000	10.1	50.059	-2.202	1.18E-47
SLC35G2	ENSG00000	1.09	18.79	-3.243	1.54E-94
FEM1B	ENSG00000	11.89	91.448	-2.842	5.03E-54
MFSD7	ENSG00000	4.34	28.34	-2.458	3.09E-34
VCX3A	ENSG00000	1.15	88.781	-5.384	7.18E-55
ZBBX	ENSG00000	0.8	51.239	-4.859	1.50E-62
GOT1L1	ENSG00000	0	18.539	-4.288	1.92E-58
IL13	ENSG00000	0.02	57.531	-5.843	5.15E-76
GCSAML	ENSG00000	0.06	3.76	-2.167	4.65E-83
THBS3	ENSG00000	8.33	101.567	-3.459	2.17E-68
SH3TC2	ENSG00000	0.67	11.52	-2.906	3.02E-85
SHE	ENSG00000	5.06	28.57	-2.287	1.58E-34
NR0B1	ENSG00000	0.6	23.6	-3.943	1.51E-84
PDILT	ENSG00000	0	22.59	-4.56	1.15E-65
RSPH10B2	ENSG00000	0.92	21.48	-3.549	2.24E-36
SCN9A	ENSG00000	0.14	4.44	-2.255	1.54E-77
GJB1	ENSG00000	0.33	13.67	-3.463	1.93E-26
RGPD8	ENSG00000	2.05	17.17	-2.575	1.35E-41
NRG4	ENSG00000	0.82	15.42	-3.173	1.65E-57
NLGN1	ENSG00000	0.41	6.28	-2.368	9.61E-46
TAPT1	ENSG00000	4.96	38.289	-2.721	1.66E-84
ONECUT1	ENSG00000	0.07	4.66	-2.403	1.03E-54
OTUD7A	ENSG00000	0.57	5.85	-2.125	2.49E-76
ZFPM2	ENSG00000	0.67	6.16	-2.1	1.58E-35
HSFY2	ENSG00000	0.01	15.65	-4.043	5.10E-52
FAM153A	ENSG00000	0.56	139.913	-6.497	8.23E-124
SIMC1	ENSG00000	3.15	37.919	-3.229	9.87E-71
HMP19	ENSG00000	0.08	19.231	-4.227	6.91E-65
USP50	ENSG00000	0.78	14.68	-3.139	1.39E-51
FAM161A	ENSG00000	3.94	19.08	-2.023	3.82E-40
FAXDC2	ENSG00000	3.32	18.78	-2.195	5.17E-39
STX8	ENSG00000	29.48	122.326	-2.017	3.60E-41
FRMPD2	ENSG00000	0.06	12.66	-3.688	1.10E-58

KRT86	ENSG00000	0.09	5.18	-2.503	5.44E-54
SPATA24	ENSG00000	4.95	188.535	-4.993	3.42E-66
NPAS2	ENSG00000	2.34	23.659	-2.884	2.18E-58
KRT72	ENSG00000	0.06	31.21	-4.925	4.62E-66
KISS1	ENSG00000	0.49	5.82	-2.194	3.01E-21
FAM71B	ENSG00000	0	39.62	-5.344	4.57E-64
TTLL6	ENSG00000	0.99	37.229	-4.264	4.14E-66
RBMXL2	ENSG00000	6.81	46.96	-2.618	5.19E-31
GPR37	ENSG00000	1.73	13.66	-2.425	2.90E-38
TPD52L3	ENSG00000	0	143.349	-7.173	3.68E-85
USP32	ENSG00000	27.889	115.607	-2.013	1.76E-38
RNF139	ENSG00000	16.04	81.701	-2.279	1.05E-55
PLA2G1B	ENSG00000	0.1	5.22	-2.499	1.32E-59
TPT1-AS1	ENSG00000	10.54	131.379	-3.52	2.22E-73
TANC2	ENSG00000	3.6	22.389	-2.346	8.87E-53
NCBP2L	ENSG00000	0	3.09	-2.032	5.09E-49
MBD3L1	ENSG00000	0.03	35.009	-5.128	4.17E-63
PGK2	ENSG00000	0	181.697	-7.513	1.90E-78
ZNF415	ENSG00000	4.42	29.97	-2.514	3.36E-70
PRKCDBP	ENSG00000	10.51	191.114	-4.061	2.06E-59
XKR6	ENSG00000	1.49	9.54	-2.082	6.30E-65
OBP2B	ENSG00000	0.03	13.62	-3.827	7.31E-73
FUT3	ENSG00000	0.25	4.59	-2.161	2.01E-37
PRKCE	ENSG00000	0.96	22.98	-3.613	2.55E-67
KRT15	ENSG00000	0.41	25.221	-4.217	1.83E-24
LURAP1	ENSG00000	1.5	10.98	-2.261	1.32E-58
KRT13	ENSG00000	0.12	14.84	-3.822	6.11E-23
HOPX	ENSG00000	6.11	59.149	-3.081	4.13E-50
SPACA5B	ENSG00000	0	32.969	-5.086	8.98E-64
SPACA5	ENSG00000	0.05	13.33	-3.771	1.92E-66
MROH2B	ENSG00000	0.01	37.509	-5.253	5.29E-75
LPAR3	ENSG00000	1.29	9.21	-2.157	1.77E-59
MAP6	ENSG00000	2.12	23.9	-2.997	8.81E-53
LKAAEAR1	ENSG00000	0.15	43.561	-5.276	2.34E-63
TCEA2	ENSG00000	29.991	157.084	-2.351	8.17E-57
LRRC34	ENSG00000	2.03	18.59	-2.693	1.89E-45
PAH	ENSG00000	0.46	13.37	-3.299	4.95E-48
GATM	ENSG00000	5.44	59.8	-3.239	2.34E-66
SYCE1	ENSG00000	3.12	131.99	-5.013	3.30E-68
SLFNL1	ENSG00000	0.29	97.937	-6.261	1.43E-77
WDR87	ENSG00000	0.15	13.3	-3.636	1.98E-65
PWWP2B	ENSG00000	3.56	22.299	-2.353	2.81E-58
FBXL14	ENSG00000	12.7	55.441	-2.043	2.13E-30
TRAPPC12	ENSG00000	53.809	248.395	-2.186	4.12E-51
PRND	ENSG00000	0.69	74.899	-5.489	2.03E-67
KLF17	ENSG00000	0.31	15.81	-3.682	5.38E-24
FBXW10	ENSG00000	0.04	12.77	-3.727	7.77E-73
FOXB1	ENSG00000	0.08	3.62	-2.097	7.64E-33
LRRC48	ENSG00000	1.26	32.11	-3.873	1.03E-77

LDHAL6B	ENSG00000	0.03	36.111	-5.171	5.75E-89
TEX37	ENSG00000	0.6	106.498	-6.07	1.95E-52
SLC9C1	ENSG00000	0.02	4.21	-2.353	8.51E-59
FRMD3	ENSG00000	0.69	13.76	-3.127	7.45E-67
TPSAB1	ENSG00000	0.23	8.43	-2.939	7.31E-20
SERHL	ENSG00000	0.38	15.82	-3.607	1.18E-83
MACROD2	ENSG00000	1.04	7.61	-2.077	1.31E-66
SPTLC3	ENSG00000	0.36	4.55	-2.029	1.19E-32
FAM195A	ENSG00000	23.691	103.737	-2.085	2.49E-50
RSPH9	ENSG00000	1.01	20.29	-3.405	8.58E-59
PRSS30P	ENSG00000	0.57	19.87	-3.733	4.52E-87
TCEAL1	ENSG00000	5.07	30.279	-2.365	9.93E-36
HSFY1	ENSG00000	0	9.77	-3.429	3.22E-30
FAM170B	ENSG00000	0	7.01	-3.002	4.18E-48
SNTG2	ENSG00000	0.38	10.75	-3.09	3.48E-72
ZFAND4	ENSG00000	3.44	74.847	-4.094	6.52E-73
FAM71D	ENSG00000	0.1	41.12	-5.259	8.13E-68
LRRC20	ENSG00000	2.99	15.47	-2.045	2.64E-37
TMEM217	ENSG00000	0.74	22.63	-3.763	2.12E-83
SNX32	ENSG00000	0.54	10.07	-2.846	5.38E-85
OVOL1	ENSG00000	0.7	47.019	-4.82	1.19E-43
NBEA	ENSG00000	0.54	5.56	-2.091	4.19E-44
XKR3	ENSG00000	0.01	7.85	-3.131	1.44E-49
SH3RF3	ENSG00000	0.61	5.5	-2.013	6.87E-41
LRRN3	ENSG00000	0.51	8.93	-2.717	2.43E-38
PLAC8L1	ENSG00000	0.31	21.941	-4.13	2.43E-58
SLC2A14	ENSG00000	9.31	60.442	-2.575	1.50E-17
GPR137	ENSG00000	30.681	335.227	-3.408	1.15E-83
NDNF	ENSG00000	0.06	11.63	-3.575	5.13E-49
IQCF1	ENSG00000	0.49	147.604	-6.64	1.99E-59
GLIPR1L1	ENSG00000	0.03	37.431	-5.222	6.02E-60
THAP2	ENSG00000	1.94	18.65	-2.741	2.21E-62
RNASE11	ENSG00000	0	68.251	-6.114	4.34E-73
MST1	ENSG00000	11.9	115.239	-3.172	1.98E-76
PC	ENSG00000	5.14	41.55	-2.793	5.94E-66
LRFN4	ENSG00000	4.38	33.901	-2.698	6.93E-59
HSPB7	ENSG00000	0.58	28.779	-4.236	1.33E-63
TAS1R1	ENSG00000	0.21	5.3	-2.38	2.32E-68
SPATA3	ENSG00000	0	252.09	-7.984	1.71E-73
TIGD3	ENSG00000	0.27	6.3	-2.523	1.06E-80
10-Mar	ENSG00000	0.2	216.781	-7.504	7.61E-87
PHOSPHO:	ENSG00000	0.81	119.51	-6.057	4.16E-59
SPTBN2	ENSG00000	6.27	138.533	-4.263	2.58E-52
3-Mar	ENSG00000	2.39	34.589	-3.392	1.62E-80
LRRC63	ENSG00000	0.29	4.71	-2.146	6.76E-49
SPERT	ENSG00000	0.06	122.742	-6.867	1.86E-72
FAM174A	ENSG00000	6.98	36.259	-2.223	3.25E-84
FAM53A	ENSG00000	2.59	26.9	-2.958	1.06E-54
GSTA3	ENSG00000	0.86	9.25	-2.462	7.27E-33

SNX31	ENSG00000	0.19	4.25	-2.141	5.85E-19
ZNHIT2	ENSG00000	9.72	86.138	-3.023	6.24E-60
EVX2	ENSG00000	0.01	3.8	-2.249	1.57E-44
ZHX3	ENSG00000	4.5	40.481	-2.915	8.29E-54
PODN	ENSG00000	3.26	33.581	-3.021	5.57E-29
STAG3L3	ENSG00000	10.82	78.809	-2.755	1.73E-64
RP11-313F	ENSG00000	6.41	31.97	-2.154	1.38E-70
GTF2IRD2B	ENSG00000	4.1	26.07	-2.408	3.54E-41
STARD6	ENSG00000	0.06	19.74	-4.29	1.05E-72
GOLGA6L2	ENSG00000	0	52.45	-5.74	1.20E-66
KLK15	ENSG00000	0.09	4.73	-2.394	1.25E-79
IL20RB	ENSG00000	1.18	10.44	-2.392	2.89E-30
IQCK	ENSG00000	4.06	42.101	-3.091	6.97E-64
PCP2	ENSG00000	0.62	169.377	-6.717	7.61E-75
PTDSS2	ENSG00000	18.23	107.418	-2.495	4.78E-62
KCTD13	ENSG00000	12.22	104.43	-2.995	9.75E-99
TEX36	ENSG00000	0	29.03	-4.908	1.47E-60
ZDHHHC14	ENSG00000	3.04	16.8	-2.14	1.62E-53
FAM182B	ENSG00000	1.47	35.221	-3.874	7.05E-47
PPM1E	ENSG00000	0.58	7.39	-2.409	1.37E-53
HIGD2B	ENSG00000	0.04	4.76	-2.47	9.88E-64
NPPA	ENSG00000	0.36	4.7	-2.067	1.67E-34
GOLGA8A	ENSG00000	26.08	118.668	-2.144	2.17E-30
VWA3A	ENSG00000	0.06	12.46	-3.666	2.53E-57
PHYKPL	ENSG00000	13.28	96.857	-2.777	1.48E-88
NRIP3	ENSG00000	3.92	47.751	-3.309	2.21E-52
RFESD	ENSG00000	2.74	17.259	-2.288	7.21E-50
TSGA10IP	ENSG00000	1.29	15.47	-2.846	2.51E-35
UBQLNL	ENSG00000	0.23	37.959	-4.985	1.95E-72
UBQLN3	ENSG00000	0.02	205.101	-7.659	1.53E-74
UCP3	ENSG00000	0.65	7.19	-2.311	1.96E-83
PRM1	ENSG00000	0.1	17993.65	-13.998	7.84E-77
TOM1L2	ENSG00000	7.41	56.199	-2.766	5.42E-82
TEX26	ENSG00000	0	42.541	-5.444	1.39E-72
GOLGA8EP	ENSG00000	0	11.35	-3.626	3.61E-64
LINC00521	ENSG00000	0	28.879	-4.901	8.05E-70
TTLL11	ENSG00000	1.44	18.27	-2.981	9.25E-73
RP11-121M	ENSG00000	0.28	13.9	-3.541	7.54E-58
ZNF645	ENSG00000	0	10.71	-3.55	8.33E-62
SWI5	ENSG00000	23.33	203.459	-3.071	3.40E-62
WBSCR28	ENSG00000	0	126.956	-7	1.67E-72
HOXD8	ENSG00000	1.3	23.95	-3.439	5.81E-95
ZNF683	ENSG00000	1.27	105.441	-5.551	1.02E-54
HSF5	ENSG00000	0.15	31.139	-4.805	6.55E-81
FOXG1	ENSG00000	0.2	5.06	-2.336	3.50E-58
ENTHD1	ENSG00000	0.08	8.4	-3.122	5.93E-93
HMGB4	ENSG00000	0.02	1033.913	-9.987	1.46E-82
SLCO3A1	ENSG00000	6.85	62.141	-3.008	6.85E-78
PLA2G16	ENSG00000	21.08	174.332	-2.989	3.65E-46

GNG7	ENSG00000	1.46	11.18	-2.308	3.40E-62
MAP3K19	ENSG00000	0.3	14.28	-3.555	2.35E-35
MEX3C	ENSG00000	17.94	145.431	-2.951	2.96E-49
HORMAD2	ENSG00000	0.09	24.591	-4.553	5.02E-88
TGIF2LY	ENSG00000	0	4.92	-2.566	1.30E-40
PFN4	ENSG00000	0.33	133.796	-6.663	8.38E-88
MAGEB6	ENSG00000	0.24	4.12	-2.046	7.33E-45
LRRC37A3	ENSG00000	3.55	36.77	-3.053	3.34E-75
MIR7-3HG	ENSG00000	0	18.03	-4.25	1.97E-63
MAMSTR	ENSG00000	1.61	11.66	-2.278	7.82E-44
MUC20	ENSG00000	1.45	13.75	-2.59	9.21E-21
FMR1NB	ENSG00000	0.1	76.818	-6.145	4.31E-85
TMEM80	ENSG00000	6.9	47.871	-2.629	4.03E-90
MRVI1-AS	ENSG00000	0.13	216.405	-7.588	3.61E-87
LINC00982	ENSG00000	0.55	42.579	-4.813	9.39E-70
FAM9B	ENSG00000	0.36	8.08	-2.739	2.33E-44
SPACA4	ENSG00000	0.06	161.064	-7.256	8.97E-77
FBXO39	ENSG00000	0.22	39.24	-5.044	2.05E-66
ZBTB38	ENSG00000	5.02	25.43	-2.134	1.98E-44
OVOS2	ENSG00000	19.73	134.969	-2.713	3.28E-22
FLJ40194	ENSG00000	0.01	52.928	-5.739	5.01E-66
UBE2U	ENSG00000	0.15	45.591	-5.34	3.08E-65
RBM44	ENSG00000	0.16	13.96	-3.689	2.88E-89
VCX2	ENSG00000	0.05	24.35	-4.594	3.20E-62
FAM187B	ENSG00000	0.02	87.869	-6.445	8.20E-72
PVRL3	ENSG00000	1.59	36.491	-3.856	3.65E-69
SPATA31C	ENSG00000	0.11	16.47	-3.976	1.56E-63
MAMDC4	ENSG00000	3.39	17.09	-2.043	2.57E-41
ODF3	ENSG00000	0.01	11.84	-3.668	6.00E-56
SPATA31E	ENSG00000	0.09	9.27	-3.236	3.50E-47
TSPYL6	ENSG00000	0.38	20.53	-3.964	2.79E-51
MLF1	ENSG00000	16.979	527.928	-4.879	5.48E-67
NDUFAF3	ENSG00000	52.508	487.513	-3.191	3.96E-66
GRAMD1C	ENSG00000	1.79	20.01	-2.913	3.42E-62
TSSK6	ENSG00000	1.01	267.333	-7.061	7.66E-74
GOLGA8Q	ENSG00000	0.14	8.91	-3.12	7.57E-65
PPP1R42	ENSG00000	0.08	32.981	-4.976	3.78E-77
FAR2P2	ENSG00000	8.01	62.9	-2.826	9.03E-55
RNF212	ENSG00000	1.18	23.19	-3.472	1.98E-66
PRM3	ENSG00000	0	101.948	-6.686	1.70E-72
TNP2	ENSG00000	0	51.041	-5.702	5.14E-57
TMPRSS9	ENSG00000	0.2	7.75	-2.866	4.18E-80
FAM220A	ENSG00000	17.85	95.862	-2.361	1.19E-40
MCMDC2	ENSG00000	0.42	9.92	-2.943	4.11E-76
P4HTM	ENSG00000	5.18	41.969	-2.798	1.34E-61
KLHL11	ENSG00000	1.76	12.14	-2.251	2.51E-30
PSAPL1	ENSG00000	0.02	5.93	-2.764	4.07E-53
PARP10	ENSG00000	16.3	69.632	-2.03	2.15E-42
THBD	ENSG00000	1.64	9.75	-2.026	6.36E-25

FAM132B	ENSG00000	1.46	22.899	-3.28	3.18E-47
GDPD4	ENSG00000	1.28	24.25	-3.469	8.16E-32
RIIAD1	ENSG00000	0.7	22.83	-3.809	4.41E-56
H1FOO	ENSG00000	0.04	9.26	-3.302	1.59E-55
TRIM73	ENSG00000	0.81	23.831	-3.778	9.05E-119
OPLAH	ENSG00000	2.88	93.428	-4.605	2.02E-73
TMEM52	ENSG00000	2.7	42.929	-3.57	1.09E-71
ERICH3	ENSG00000	0.04	46.391	-5.51	2.25E-73
EXD1	ENSG00000	0.16	29.941	-4.737	5.85E-88
PER1	ENSG00000	12.42	72.71	-2.457	1.36E-63
GGN	ENSG00000	0.68	153.958	-6.527	5.84E-75
SIGLECL1	ENSG00000	0.07	26.79	-4.699	6.58E-69
NSUN7	ENSG00000	1.59	14.3	-2.562	3.11E-46
WSCD1	ENSG00000	2.42	25.01	-2.927	1.75E-36
TMEM31	ENSG00000	1.07	136.361	-6.052	2.07E-59
GPC5	ENSG00000	0.07	3.33	-2.017	1.75E-67
LINC00174	ENSG00000	5.93	32.251	-2.262	1.20E-39
SHARPIN	ENSG00000	54.36	266.039	-2.27	2.07E-60
LSMEM2	ENSG00000	0.3	4.62	-2.112	3.84E-58
RNF151	ENSG00000	0.1	260.293	-7.892	1.70E-76
PLD6	ENSG00000	2.98	27.851	-2.858	7.09E-71
GRM8	ENSG00000	0.22	8.74	-2.997	1.08E-46
TPPP2	ENSG00000	0.08	440.225	-8.674	5.53E-76
LINC00305	ENSG00000	0.05	6.4	-2.817	8.57E-49
KIAA1875	ENSG00000	0.71	31.169	-4.234	9.45E-80
SYCN	ENSG00000	0	35.36	-5.184	4.59E-88
LRRC3B	ENSG00000	0.07	6.49	-2.807	7.47E-44
PCBP1-AS1	ENSG00000	12.39	56.551	-2.104	6.59E-35
PDXDC1	ENSG00000	29.761	152.249	-2.317	1.26E-49
NRXN1	ENSG00000	0.38	8.53	-2.788	5.19E-43
GOLGA8J	ENSG00000	0.04	6.3	-2.811	3.24E-67
RP11-1319	ENSG00000	0.55	9.91	-2.815	2.27E-63
FAM71E2	ENSG00000	0	45.241	-5.531	8.87E-68
WFDC11	ENSG00000	0	4.73	-2.518	2.96E-54
EXOC3	ENSG00000	15.64	85.241	-2.374	2.13E-79
TDRD6	ENSG00000	1.46	40.07	-4.061	5.89E-84
FAR2P1	ENSG00000	0.74	91.448	-5.732	6.46E-48
FAM71C	ENSG00000	0	35.25	-5.18	3.74E-69
PRNT	ENSG00000	0	9.73	-3.424	8.34E-42
MGC45922	ENSG00000	0.3	11.79	-3.298	1.42E-85
HARBI1	ENSG00000	2.79	14.18	-2.002	2.12E-44
GLIPR1L2	ENSG00000	0.16	30.67	-4.771	9.89E-87
TSPYL5	ENSG00000	7.43	46.639	-2.499	3.68E-49
PIPSL	ENSG00000	0.25	14.84	-3.664	1.69E-61
LSMEM1	ENSG00000	0.56	7.52	-2.449	1.78E-79
MAPK15	ENSG00000	1.55	71.619	-4.832	3.00E-69
RP11-429J	ENSG00000	0.41	6.89	-2.484	3.02E-74
HLA-V	ENSG00000	0.07	5.02	-2.492	8.61E-62
PJA1	ENSG00000	7.04	33.079	-2.084	2.64E-18

PENK	ENSG00000	1.23	175.095	-6.303	8.36E-72
SLC25A41	ENSG00000	0.21	14.44	-3.674	8.45E-71
NME9	ENSG00000	0.44	7.91	-2.629	2.17E-67
SPEM1	ENSG00000	0.19	90.49	-6.265	1.96E-69
SAGE1	ENSG00000	0.01	4.29	-2.389	5.65E-82
MEX3D	ENSG00000	16.64	107.187	-2.617	1.01E-38
GPR135	ENSG00000	0.16	28.929	-4.689	6.27E-84
ZBTB20	ENSG00000	0.22	21.5	-4.205	4.74E-79
ODF3L2	ENSG00000	0.2	66.712	-5.818	8.24E-66
FTMT	ENSG00000	0.23	71.491	-5.881	2.11E-67
GOLGA8CP	ENSG00000	0	18.67	-4.298	2.01E-74
LINC00301	ENSG00000	0	112.29	-6.824	6.85E-81
MGAT4C	ENSG00000	0.1	7.26	-2.909	5.91E-64
RP11-69E1	ENSG00000	5.12	26.13	-2.148	1.07E-45
FAM153B	ENSG00000	0.69	215.209	-6.999	4.86E-146
GABRG3	ENSG00000	0.1	9.89	-3.307	7.69E-58
IZUMO1	ENSG00000	0.14	44.941	-5.333	1.11E-74
SPACA6P	ENSG00000	5.75	54.409	-3.037	6.05E-86
YBEY	ENSG00000	20.54	105.419	-2.305	5.42E-36
TEX19	ENSG00000	0.33	36.839	-4.83	3.99E-77
VCX	ENSG00000	1.11	59.56	-4.843	9.46E-45
PPP1R27	ENSG00000	0.1	6.27	-2.724	9.00E-55
RGS6	ENSG00000	0.24	15.38	-3.724	9.33E-60
PAQR7	ENSG00000	5.73	61.75	-3.221	8.26E-94
MAFA	ENSG00000	0.41	4.93	-2.072	1.36E-22
GRID1	ENSG00000	0.45	5.78	-2.225	9.44E-75
TMEM198I	ENSG00000	10.33	64.498	-2.531	5.25E-91
FUNDC2P2	ENSG00000	0	60.93	-5.953	1.93E-66
RP11-181C	ENSG00000	1.7	11.11	-2.165	4.86E-60
GLUD2	ENSG00000	1.71	19.821	-2.942	1.08E-53
TMEM95	ENSG00000	0	13.21	-3.829	8.69E-65
WFDC10B	ENSG00000	0.06	3.5	-2.086	4.08E-48
ODF3L1	ENSG00000	0.09	30.149	-4.837	6.87E-61
OTOP2	ENSG00000	0.02	5.61	-2.696	9.74E-54
SLC25A10	ENSG00000	11.3	51.172	-2.085	5.98E-39
RGPD6	ENSG00000	10.08	51.52	-2.245	1.35E-61
WBP2NL	ENSG00000	0.46	110.913	-6.26	1.31E-84
GAS6	ENSG00000	23.3	136.153	-2.497	1.61E-54
POM121L1	ENSG00000	0	8.33	-3.222	8.12E-55
POTEC	ENSG00000	0.03	7.44	-3.035	3.37E-64
WT1-AS	ENSG00000	0.21	6.86	-2.7	5.98E-82
RIMBP3C	ENSG00000	0.09	14.21	-3.803	1.84E-47
TISP43	ENSG00000	0	13.22	-3.83	5.28E-63
FAM9A	ENSG00000	0.05	5.51	-2.632	1.01E-79
EPHA10	ENSG00000	1.34	41.619	-4.187	2.20E-55
SPDYE4	ENSG00000	0	10.1	-3.472	3.61E-71
REC114	ENSG00000	0.6	51.749	-5.043	2.13E-66
JRKL	ENSG00000	2.4	15.48	-2.277	8.89E-55
TMEM89	ENSG00000	0.1	30.92	-4.859	1.69E-64

NPIPA1	ENSG00000	54.511	251.863	-2.188	7.39E-79
TFDP3	ENSG00000	0.16	5.33	-2.448	3.08E-28
RP11-958M	ENSG00000	3.39	20.29	-2.278	1.40E-37
MEX3B	ENSG00000	4.43	61.991	-3.536	3.15E-57
FAM46C	ENSG00000	6.77	52.109	-2.773	3.66E-23
PCBP3	ENSG00000	2.86	27.57	-2.888	1.22E-64
GOLGA8G	ENSG00000	0	37.509	-5.267	5.02E-78
TP53TG3	ENSG00000	0.6	8.97	-2.64	1.91E-46
11-Mar	ENSG00000	0.47	130.119	-6.479	3.00E-87
OR4N4	ENSG00000	0	7.71	-3.123	1.21E-45
TUBA8	ENSG00000	0.98	67.578	-5.114	4.34E-73
NPIPA5	ENSG00000	14.1	62.882	-2.081	1.55E-26
MAATS1	ENSG00000	0.91	52.921	-4.819	4.24E-91
PNMA3	ENSG00000	1.08	22.279	-3.484	6.40E-67
FAM3B	ENSG00000	1.07	15.8	-3.021	1.14E-29
NPIPA5	ENSG00000	74.682	308.686	-2.033	1.53E-51
PP2D1	ENSG00000	0.1	16.97	-4.03	5.60E-59
TRIML1	ENSG00000	0	16.979	-4.168	2.87E-58
RP13-103C	ENSG00000	0.05	20.129	-4.331	2.29E-60
RPL7AP28	ENSG00000	0.14	9.02	-3.136	1.23E-52
SPRR4	ENSG00000	0	7.54	-3.094	1.73E-38
LRTOMT	ENSG00000	4.52	171.586	-4.967	6.97E-82
TSPYL2	ENSG00000	20.8	256.532	-3.562	7.00E-110
GOLGA6L4	ENSG00000	1.66	16.32	-2.703	5.52E-91
PGP	ENSG00000	14.72	68.688	-2.148	4.57E-52
OLIG1	ENSG00000	0.21	4.01	-2.05	2.41E-41
PRKD1	ENSG00000	0.9	17.04	-3.247	7.24E-57
MROH7	ENSG00000	0.44	126.027	-6.463	6.66E-100
IQCF2	ENSG00000	0	113.59	-6.84	2.02E-71
SPATA32	ENSG00000	0.06	65.471	-5.971	3.55E-74
PLA2G6	ENSG00000	11.95	84.021	-2.715	2.13E-62
NUTM1	ENSG00000	0.39	25.77	-4.267	6.61E-68
FAM19A3	ENSG00000	0.52	10.2	-2.881	3.12E-54
PRSS55	ENSG00000	0	39.281	-5.332	2.07E-66
ODF4	ENSG00000	0	18.5	-4.285	4.48E-71
SERINC4	ENSG00000	0.12	4.73	-2.355	3.89E-96
FAM110C	ENSG00000	0.26	4.06	-2.006	3.83E-55
SMIM10	ENSG00000	1.28	29.619	-3.747	9.56E-70
TCTE3	ENSG00000	1.4	26.67	-3.527	5.24E-83
OSBP2	ENSG00000	2.11	41.81	-3.783	5.14E-47
ZBTB7C	ENSG00000	0.63	6.56	-2.214	9.83E-62
TCEAL2	ENSG00000	1.69	52.98	-4.327	2.44E-59
LCN12	ENSG00000	0.33	26.829	-4.387	2.44E-95
WT1	ENSG00000	1	32.76	-4.077	1.24E-90
FAM227A	ENSG00000	0.9	16.381	-3.193	1.36E-63
NT5C1B	ENSG00000	0.16	51.371	-5.497	1.91E-69
MROH2A	ENSG00000	0.06	6.38	-2.8	2.96E-77
FLRT2	ENSG00000	2.64	14.28	-2.07	1.86E-07
MFSD6L	ENSG00000	0.36	33.599	-4.669	1.98E-53

GOLGA8DF	ENSG00000	0	11.63	-3.659	3.16E-64
LINC00313	ENSG00000	0.25	4.95	-2.251	2.64E-87
NRBP2	ENSG00000	7.02	34.84	-2.16	7.07E-48
MAGEA11	ENSG00000	0.25	6.38	-2.562	1.75E-61
PPIL6	ENSG00000	1.14	30.721	-3.89	1.15E-68
TEX33	ENSG00000	0	123.956	-6.965	4.92E-72
NUPR1L	ENSG00000	1.24	443.779	-7.633	2.70E-69
SPPL2C	ENSG00000	0	48.65	-5.634	2.47E-68
RGPD2	ENSG00000	6.36	29.09	-2.031	7.65E-32
PARK2	ENSG00000	0.55	5.73	-2.118	1.70E-76
LINC00158	ENSG00000	0.08	6.1	-2.717	1.85E-54
MUC1	ENSG00000	2.57	72.821	-4.37	2.32E-57
LMNTD2	ENSG00000	1.26	42.611	-4.27	8.67E-77
SPATA45	ENSG00000	0.14	12.88	-3.606	6.22E-57
SPATA8	ENSG00000	0.08	497.136	-8.849	7.32E-91
LMLN	ENSG00000	2.01	14.67	-2.38	2.34E-79
SHC4	ENSG00000	0.23	9.06	-3.032	8.14E-90
SMIM23	ENSG00000	0	35.75	-5.2	1.93E-62
MORN5	ENSG00000	0.16	111.538	-6.6	7.61E-72
EP400NL	ENSG00000	6.48	69.859	-3.244	6.03E-92
WDR53	ENSG00000	20.559	91.689	-2.104	2.21E-30
PCYT2	ENSG00000	16.33	358.218	-4.374	3.88E-63
NAT8L	ENSG00000	1.13	19.92	-3.296	3.36E-73
TMEM210	ENSG00000	0.06	111.46	-6.729	2.24E-76
NPIP4	ENSG00000	29.29	124.154	-2.047	2.64E-31
TRIM69	ENSG00000	9.67	46.471	-2.153	5.75E-36
PRSS38	ENSG00000	0	5.01	-2.587	4.67E-68
FAM186A	ENSG00000	0.14	22.05	-4.338	1.37E-58
PLK5	ENSG00000	0.58	9.16	-2.685	3.06E-71
LEMD1	ENSG00000	1.52	111.136	-5.476	4.22E-69
ZPBP2	ENSG00000	0.04	103.73	-6.654	2.10E-93
PIP5K1C	ENSG00000	14.52	82.681	-2.431	4.59E-63
TEX38	ENSG00000	0.21	522.142	-8.756	9.72E-81
PRR30	ENSG00000	0	197.566	-7.633	1.14E-75
UBL4B	ENSG00000	0.07	137.443	-7.016	5.79E-75
SLC51B	ENSG00000	0.09	12.45	-3.625	9.81E-67
KDM4D	ENSG00000	1.37	32.999	-3.843	9.32E-62
GPAT2	ENSG00000	1.89	22.011	-2.993	9.94E-50
MST1P2	ENSG00000	0.82	22.99	-3.72	2.19E-77
SLC36A3	ENSG00000	0	7.5	-3.087	2.01E-54
LINC00643	ENSG00000	0.08	41.489	-5.298	3.35E-67
GOLGA8R	ENSG00000	0.42	9.56	-2.895	1.24E-70
TRDN	ENSG00000	0.24	5.8	-2.455	1.32E-41
SPATA12	ENSG00000	0.13	25.24	-4.537	9.04E-63
TMPRSS12	ENSG00000	0	22.011	-4.524	2.76E-72
FAM228A	ENSG00000	0.4	55.291	-5.329	4.15E-91
GNG2	ENSG00000	11.04	153.553	-3.682	1.00E-56
MYT1L	ENSG00000	0.16	6.63	-2.718	1.25E-63
ZNF396	ENSG00000	0.92	6.94	-2.048	9.31E-71

SPATC1	ENSG00000	0.15	50.73	-5.491	1.55E-70
KIF24	ENSG00000	1.65	12.23	-2.32	3.52E-52
ZFP91	ENSG00000	11.01	71.051	-2.585	1.36E-64
MST1L	ENSG00000	1.9	26.07	-3.223	1.28E-51
MPPED1	ENSG00000	0.09	7.21	-2.913	6.84E-52
SPATA31D	ENSG00000	0	10.08	-3.47	3.32E-66
HYAL3	ENSG00000	2.62	17.771	-2.374	7.54E-46
SELV	ENSG00000	1.59	22.36	-3.173	2.90E-42
TRABD2A	ENSG00000	2.3	59.301	-4.192	2.36E-47
MAPT	ENSG00000	0.71	41.639	-4.64	2.19E-47
TMEM232	ENSG00000	0.59	18.41	-3.61	7.25E-76
LINC01551	ENSG00000	0	8.77	-3.288	2.84E-61
FAM183A	ENSG00000	0.94	17.321	-3.239	1.26E-35
ESPN	ENSG00000	4.87	198.335	-5.086	7.64E-73
TMPRSS6	ENSG00000	0.25	9.9	-3.124	4.63E-51
TMEM262	ENSG00000	0.4	28.789	-4.411	1.40E-82
PLCD1	ENSG00000	10.02	76.85	-2.821	3.01E-50
HEATR4	ENSG00000	0.31	15.41	-3.647	2.20E-74
LYPD6	ENSG00000	0.68	7.58	-2.353	1.69E-24
SPATA21	ENSG00000	0.05	12.41	-3.675	4.86E-66
H1FNT	ENSG00000	0.06	284.818	-8.075	9.89E-86
RP11-195F	ENSG00000	4.96	332.819	-5.808	8.50E-79
ZNF546	ENSG00000	1.13	17.06	-3.084	1.49E-86
HYPM	ENSG00000	0.08	53.16	-5.648	2.11E-66
IFT140	ENSG00000	4.73	43.081	-2.944	6.45E-69
POTEG	ENSG00000	0.01	3.13	-2.032	1.36E-57
ZNF385C	ENSG00000	1.81	22.139	-3.042	1.39E-64
TMEM247	ENSG00000	0.57	65.748	-5.41	1.15E-62
RGPD1	ENSG00000	10.69	66.879	-2.538	2.85E-31
KRT18P59	ENSG00000	0.03	4.84	-2.503	1.00E-70
RP11-723C	ENSG00000	0.18	5.92	-2.552	2.06E-53
FAM69C	ENSG00000	0.16	7.13	-2.809	1.62E-44
TMEM72	ENSG00000	0.03	3.76	-2.208	4.72E-38
FAM205C	ENSG00000	0	34.539	-5.151	3.97E-66
TMEM202	ENSG00000	0	25.06	-4.704	2.50E-59
RP11-24M	ENSG00000	0	6.06	-2.82	4.67E-54
TMEM220	ENSG00000	5.56	32.86	-2.368	9.18E-55
LRRC74B	ENSG00000	0.08	14.95	-3.884	8.53E-78
LCN10	ENSG00000	0.96	10.63	-2.569	8.91E-44
ZCCHC13	ENSG00000	0.04	28.201	-4.811	2.03E-60
TPRG1	ENSG00000	1.06	9.82	-2.393	1.90E-82
RP11-43F1	ENSG00000	2.63	19.32	-2.485	5.43E-61
MORN2	ENSG00000	15.46	223.417	-3.769	4.71E-59
RNF133	ENSG00000	0.02	55.572	-5.793	3.01E-72
TMEM215	ENSG00000	0.12	4.56	-2.312	8.24E-45
FAM166A	ENSG00000	0.18	84.858	-6.185	3.61E-87
LINC00265	ENSG00000	5.19	50.181	-3.048	1.07E-56
FAM230A	ENSG00000	0	9.05	-3.329	6.34E-59
LRRIQ4	ENSG00000	0.04	3.43	-2.091	3.58E-45

FAM92A1	ENSG00000	29.769	157.204	-2.362	2.76E-47
PRR19	ENSG00000	5.14	29.171	-2.297	6.60E-38
H3F3C	ENSG00000	0.2	26.999	-4.544	1.32E-68
PPP3R2	ENSG00000	0.01	47.029	-5.571	1.04E-75
GOLGA6L3	ENSG00000	0.08	11.82	-3.569	1.61E-81
NANOS2	ENSG00000	0.06	4.57	-2.394	4.54E-68
SERPINA5	ENSG00000	7.31	416.363	-5.65	1.18E-72
KRTDAP	ENSG00000	0.07	14.27	-3.835	1.72E-36
HBA2	ENSG00000	11.21	67.102	-2.48	8.60E-04
PAQR9	ENSG00000	0.14	26.09	-4.571	6.32E-58
GOLGA8M	ENSG00000	0.2	8.09	-2.921	1.21E-71
SAXO2	ENSG00000	1.76	32.54	-3.603	1.22E-65
HILS1	ENSG00000	0.09	25.479	-4.602	2.39E-68
TEKT4P2	ENSG00000	2.33	12.59	-2.029	2.24E-29
SLC4A5	ENSG00000	1.18	14.61	-2.84	2.46E-66
FSIP2	ENSG00000	0.32	25.871	-4.347	9.80E-71
TBC1D3P2	ENSG00000	0.02	14.35	-3.912	1.64E-69
TMCO2	ENSG00000	0	158.034	-7.313	1.92E-76
ZDHHC11	ENSG00000	3.22	28.041	-2.783	6.70E-56
ZNF563	ENSG00000	1.98	15.26	-2.448	2.93E-70
FBF1	ENSG00000	6.77	60.572	-2.986	3.06E-85
USP32P1	ENSG00000	15.95	132.357	-2.976	8.72E-34
UTS2B	ENSG00000	0.24	5.28	-2.34	9.29E-41
MSANTD1	ENSG00000	0.27	4.71	-2.169	2.47E-71
RNFT1	ENSG00000	6.84	58.048	-2.913	1.30E-68
GAGE2A	ENSG00000	0.61	62.53	-5.302	1.19E-59
TMEM120	ENSG00000	35.231	252.387	-2.806	7.79E-89
PLAC9	ENSG00000	3.35	19.16	-2.212	1.92E-09
FAM47B	ENSG00000	0	11.95	-3.695	4.68E-66
NKAPL	ENSG00000	0.49	39.01	-4.747	1.00E-94
UBE2Q2P1	ENSG00000	1.44	10.79	-2.273	6.91E-50
FSCB	ENSG00000	0.01	39.871	-5.339	6.98E-63
FAM47E	ENSG00000	0.84	12.56	-2.882	5.04E-73
LINC00943	ENSG00000	0.03	84.87	-6.381	2.60E-73
SPANXN3	ENSG00000	0	55.291	-5.815	3.75E-79
FAM150B	ENSG00000	1.3	40.571	-4.176	9.87E-96
SPANXN4	ENSG00000	0	28.22	-4.869	7.05E-67
RP11-113C	ENSG00000	0	19.66	-4.369	1.16E-70
FAM179A	ENSG00000	1.03	7.55	-2.074	1.76E-34
SPATA31D	ENSG00000	0	6.71	-2.947	1.16E-51
KIAA0408	ENSG00000	0.37	5.22	-2.183	1.78E-43
TBC1D28	ENSG00000	0	32.701	-5.075	2.95E-71
OTUD6A	ENSG00000	0.21	5.13	-2.341	3.15E-16
MMP23B	ENSG00000	3.7	20.53	-2.196	2.76E-21
SPATA41	ENSG00000	0.25	6.96	-2.671	3.96E-87
USP32P3	ENSG00000	4.65	60.501	-3.444	2.20E-31
SYCP2	ENSG00000	1.75	40.461	-3.914	1.53E-58
MYBPC1	ENSG00000	0.07	6.81	-2.868	2.71E-58
KIAA0895L	ENSG00000	11.3	65.689	-2.439	3.44E-78

VN1R2	ENSG00000	0.02	4.06	-2.311	8.78E-44
PLEKHG4	ENSG00000	12.63	97.423	-2.852	7.88E-43
STK40	ENSG00000	16.45	73.449	-2.093	7.42E-77
OR10J1	ENSG00000	0	8.5	-3.248	3.89E-47
SRGAP3	ENSG00000	1.14	10.56	-2.433	4.89E-57
RP11-497F	ENSG00000	1.07	10.64	-2.491	9.95E-27
ZBTB44	ENSG00000	8.83	44.359	-2.206	4.74E-57
STK31	ENSG00000	2.75	60.77	-4.042	8.96E-55
NLGN3	ENSG00000	0.3	5.41	-2.302	1.46E-39
ZNF781	ENSG00000	2.75	15.51	-2.138	2.40E-33
INCA1	ENSG00000	1.58	65.181	-4.681	2.75E-91
SPANXD	ENSG00000	0.04	26.8	-4.74	2.95E-62
NOXO1	ENSG00000	0.48	7.55	-2.53	1.84E-67
NBPF4	ENSG00000	0.02	4.01	-2.296	1.11E-62
NPIP15	ENSG00000	3.74	74.227	-3.988	2.76E-54
GK2	ENSG00000	0.01	75.583	-6.245	9.85E-80
TCEAL3	ENSG00000	7.17	43.099	-2.432	2.26E-30
LINC00238	ENSG00000	0	107.761	-6.765	1.02E-70
PFN3	ENSG00000	0.08	30.93	-4.886	3.17E-61
ZNF846	ENSG00000	3.34	46.649	-3.457	1.52E-96
PDXDC2P	ENSG00000	5.49	33.62	-2.415	8.21E-60
TOMM20L	ENSG00000	0.06	17.8	-4.149	1.18E-69
RGPD4	ENSG00000	0.01	4.42	-2.424	3.09E-68
KIAA1211L	ENSG00000	1.12	10.18	-2.399	1.42E-63
TEX43	ENSG00000	0	27.249	-4.82	2.47E-66
KPNA5	ENSG00000	2.35	43.09	-3.718	1.84E-72
SCOC-AS1	ENSG00000	1.47	14.03	-2.605	5.24E-63
SMIM10L2	ENSG00000	0.49	7.01	-2.426	1.52E-55
NPIP9	ENSG00000	0.93	19.92	-3.438	1.18E-79
RP11-573C	ENSG00000	0.58	7.62	-2.448	1.36E-28
LRRC8B	ENSG00000	1.23	11.41	-2.476	2.18E-49
NEK5	ENSG00000	0.92	10.7	-2.607	5.72E-40
MAGEA6	ENSG00000	0.09	9.65	-3.288	6.32E-38
PIWIL2	ENSG00000	4.21	21.021	-2.079	1.11E-19
NOL4L	ENSG00000	14.77	71.13	-2.193	5.03E-42
KB-1592A4	ENSG00000	0.02	91.088	-6.496	2.01E-83
TPSB2	ENSG00000	0.25	8.83	-2.975	7.14E-22
ZNF165	ENSG00000	2.2	21.299	-2.801	2.25E-44
VEPH1	ENSG00000	0.17	9.61	-3.181	2.42E-34
FABP12	ENSG00000	0	6.67	-2.939	2.11E-45
GGT3P	ENSG00000	0.12	3.85	-2.114	5.14E-57
ZNF628	ENSG00000	5.45	31.71	-2.342	7.35E-45
LINC00477	ENSG00000	0	3.13	-2.046	2.66E-64
TTC30A	ENSG00000	0.72	8.9	-2.525	2.63E-64
SSPO	ENSG00000	0.12	4.55	-2.309	3.11E-64
ZNF433	ENSG00000	2.61	32.919	-3.232	1.77E-75
TXNRD3	ENSG00000	4.66	39.029	-2.822	1.64E-73
KLHDC1	ENSG00000	0.34	4.76	-2.104	2.05E-72
RP1-253P7	ENSG00000	0.13	5.34	-2.488	2.48E-79

FAM212B	ENSG00000	1.34	10.17	-2.255	6.77E-57
ZNF790	ENSG00000	2.14	13.38	-2.195	1.64E-51
MEIG1	ENSG00000	0.62	19.35	-3.651	7.31E-71
LEKR1	ENSG00000	0.16	13.32	-3.626	1.73E-84
KEL	ENSG00000	1.46	76.468	-4.977	1.01E-72
SPANXA1	ENSG00000	1.29	22.15	-3.338	1.13E-27
TUBA3C	ENSG00000	0.13	532.411	-8.883	5.45E-83
NUP62CL	ENSG00000	0.83	11.63	-2.787	2.23E-50
MB	ENSG00000	0.47	4.95	-2.017	9.73E-25
NPIP6	ENSG00000	0.87	53.101	-4.855	4.40E-78
HMG5	ENSG00000	8.52	103.852	-3.461	8.18E-60
SVIP	ENSG00000	7.82	75.829	-3.123	1.49E-76
FAM47C	ENSG00000	0.03	3.8	-2.22	1.05E-55
RPS6KL1	ENSG00000	4.89	26.521	-2.224	2.66E-59
TUBB3	ENSG00000	0.09	19.721	-4.249	6.63E-75
RP11-98J2	ENSG00000	1.51	17.99	-2.919	5.17E-56
TMEM116	ENSG00000	7.27	33.139	-2.045	8.79E-57
NUP210P1	ENSG00000	0	7.16	-3.029	5.26E-51
TMEM239	ENSG00000	0	137.319	-7.112	1.80E-74
MYL4	ENSG00000	0.91	19.849	-3.448	2.49E-27
PLN	ENSG00000	0.34	5.31	-2.235	8.34E-31
RP11-598C	ENSG00000	0.2	9.38	-3.113	2.34E-69
SPANXC	ENSG00000	0	25.41	-4.723	1.07E-47
FAM19A2	ENSG00000	1.18	18.45	-3.157	8.86E-71
MAGEA1	ENSG00000	0.06	5.78	-2.677	1.53E-47
SMOC1	ENSG00000	3.31	44.749	-3.408	2.59E-56
LRR3	ENSG00000	0.02	15.2	-3.989	5.10E-78
PLXNB3	ENSG00000	0.39	27.651	-4.365	7.93E-58
OXCT2	ENSG00000	0.47	93.72	-6.01	5.85E-76
EPS8L3	ENSG00000	0.09	9.1	-3.212	1.16E-35
SYCP1	ENSG00000	0.13	44.479	-5.331	1.63E-93
MAGEB3	ENSG00000	0.17	5.28	-2.424	1.10E-69
STKLD1	ENSG00000	1.36	25.77	-3.504	1.25E-68
PNMA5	ENSG00000	1.42	11.12	-2.324	1.88E-12
ITPR1L1	ENSG00000	2.47	35.631	-3.4	9.91E-43
MT-ND1	ENSG00000	2644.904	15412.36	-2.542	2.10E-43
SHISA4	ENSG00000	4.14	23.92	-2.277	2.91E-37
KIAA0753	ENSG00000	5.14	29.37	-2.306	4.88E-49
MFAP3L	ENSG00000	2.28	71.218	-4.461	6.58E-64
RNU5B-1	ENSG00000	0	14.32	-3.937	8.38E-14
SNORD118	ENSG00000	0	5.62	-2.727	1.63E-07
RNU4-1	ENSG00000	2.93	14.95	-2.021	6.49E-12
SNORA73	ENSG00000	0	3.25	-2.087	6.32E-39
RN7SK	ENSG00000	14.29	71.002	-2.235	7.87E-29
RN7SKP23C	ENSG00000	0	3.43	-2.147	5.75E-49
RP11-98D1	ENSG00000	0.78	6.89	-2.148	1.24E-43
FAM83H-1	ENSG00000	1.63	11.57	-2.257	7.66E-36
IBA57-AS1	ENSG00000	0.18	25.801	-4.505	4.02E-85
TCP10	ENSG00000	0	28.14	-4.865	2.53E-81

MSTO2P	ENSG00000	1.95	15.519	-2.485	7.46E-56
FAM229B	ENSG00000	15.55	586.789	-5.15	2.23E-71
FANK1	ENSG00000	2.08	104.133	-5.093	5.74E-79
PRR9	ENSG00000	0.02	3.43	-2.119	5.36E-24
LELP1	ENSG00000	0.06	1406.408	-10.375	1.80E-79
FAM24A	ENSG00000	0	21.18	-4.471	1.33E-62
PPAPDC1A	ENSG00000	1.45	10.93	-2.284	6.54E-39
HIST2H2A	ENSG00000	33.831	198.775	-2.52	2.71E-42
SPATA42	ENSG00000	0	353.654	-8.47	9.40E-75
SPANXA2	ENSG00000	0.24	15.3	-3.717	3.53E-36
SAMD13	ENSG00000	1.4	12.15	-2.454	2.52E-65
RP11-188C	ENSG00000	0.04	8.54	-3.197	1.60E-58
RHOXF2B	ENSG00000	0.08	16.89	-4.05	1.11E-23
LIPJ	ENSG00000	0.02	5.53	-2.678	1.49E-55
TRPC5OS	ENSG00000	0.06	15.72	-3.979	1.44E-96
LRRC73	ENSG00000	0.29	60.522	-5.576	1.74E-82
TCEAL5	ENSG00000	1.26	73.231	-5.038	1.37E-61
TCEAL6	ENSG00000	0.04	33.831	-5.066	2.16E-94
TDRG1	ENSG00000	0.21	112.938	-6.557	4.74E-91
TRAF3IP1	ENSG00000	4.09	43.549	-3.13	2.51E-66
GIGYF2	ENSG00000	16.72	72.7	-2.056	6.39E-52
PTPN20	ENSG00000	0.73	12.21	-2.933	6.20E-87
GGNBP1	ENSG00000	0.1	5.99	-2.668	1.04E-57
TXNDC8	ENSG00000	0	26.64	-4.789	1.54E-68
PAGE3	ENSG00000	0	9.81	-3.434	1.03E-74
TMEM225	ENSG00000	0	15.49	-4.044	5.11E-63
ERICH2	ENSG00000	2.17	222.443	-6.139	1.18E-63
SPANXN5	ENSG00000	0	17.64	-4.22	1.17E-64
XAGE1A	ENSG00000	7.16	39.349	-2.306	4.62E-06
XAGE1B	ENSG00000	3.49	53.731	-3.608	1.02E-13
HSPA1L	ENSG00000	1.5	82.968	-5.07	1.34E-66
MSH5	ENSG00000	8.48	59.991	-2.686	8.41E-72
LY6G5C	ENSG00000	2.46	26.8	-3.006	6.55E-65
PSORS1C1	ENSG00000	1.46	136.692	-5.807	5.78E-95
LINC01552	ENSG00000	0.05	13.42	-3.78	2.47E-79
TRIM31	ENSG00000	0.39	5.6	-2.247	1.38E-47
ZNRD1-AS	ENSG00000	1.85	32.199	-3.542	2.85E-72
RPS26P8	ENSG00000	0.28	14	-3.551	7.74E-58
FAM153C	ENSG00000	0.53	154.075	-6.663	1.74E-138
OR2H1	ENSG00000	0	19.149	-4.333	1.21E-69
MAMDC2-	ENSG00000	0.11	6.06	-2.669	1.06E-101
RANBP17	ENSG00000	2.68	21.9	-2.638	1.73E-70
TTC25	ENSG00000	2.22	58.282	-4.202	7.49E-56
SPATA31A	ENSG00000	0.15	10.76	-3.354	1.24E-59
FAM216A	ENSG00000	11.27	57.181	-2.245	3.33E-50
FAM201A	ENSG00000	0.14	3.92	-2.11	4.32E-73
IGFL2	ENSG00000	0.83	9.44	-2.512	1.15E-40
RP6-99M1	ENSG00000	0	5.21	-2.635	2.95E-52
FAM221B	ENSG00000	0.02	19.231	-4.31	2.78E-69

LRRC10B	ENSG00000	0.71	6.87	-2.202	2.93E-40
TRIM13	ENSG00000	21.04	93.87	-2.106	7.47E-40
MS4A13	ENSG00000	0	4.4	-2.433	1.93E-48
PRSS1	ENSG00000	0.05	5.54	-2.639	1.67E-13
SYCE1L	ENSG00000	1.69	31.13	-3.578	2.35E-61
FAM71F2	ENSG00000	0.66	35.68	-4.466	2.52E-65
FAM205A	ENSG00000	0	30.01	-4.955	2.95E-68
LINC00654	ENSG00000	0.57	17.321	-3.545	1.64E-77
KRT17P7	ENSG00000	0.04	20.841	-4.392	2.25E-79
TTLL10-AS	ENSG00000	0.04	4.52	-2.408	7.25E-50
SPDYE2	ENSG00000	1.12	12.85	-2.708	1.72E-49
KRT17P5	ENSG00000	0.04	28.949	-4.848	1.88E-89
MGAT4D	ENSG00000	0	19	-4.322	5.74E-70
KRT17P4	ENSG00000	0.14	21.66	-4.313	1.46E-76
SLCO6A1	ENSG00000	0.05	39.829	-5.281	1.05E-80
LINC00661	ENSG00000	0.06	66.661	-5.996	9.25E-84
IZUMO3	ENSG00000	0	16.79	-4.153	2.78E-59
RP11-812E	ENSG00000	0	4.61	-2.488	5.39E-69
TP53TG3D	ENSG00000	0.92	19.929	-3.446	4.26E-71
TP53TG3C	ENSG00000	0.22	7.56	-2.811	3.19E-53
SERF1B	ENSG00000	42.2	221.367	-2.364	4.87E-51
STAG3L1	ENSG00000	2.37	27.88	-3.099	5.05E-92
MUC19	ENSG00000	0.49	67.822	-5.529	6.15E-73
VCX3B	ENSG00000	0.8	82.738	-5.54	5.14E-54
FAM183DF	ENSG00000	0	5.77	-2.759	9.15E-57
RP11-1212	ENSG00000	10.87	57.871	-2.31	1.11E-34
GAGE1	ENSG00000	0.45	53.4	-5.229	1.53E-46
LINC01531	ENSG00000	0	6.18	-2.844	1.40E-48
TTC23L	ENSG00000	0.21	40.31	-5.093	1.91E-86
RFPL3S	ENSG00000	3.17	109.068	-4.722	6.57E-59
LRRC72	ENSG00000	0	6.06	-2.82	5.88E-53
SRRM2-AS	ENSG00000	0.53	25.91	-4.137	8.90E-83
RP11-404K	ENSG00000	0	83.8	-6.406	7.00E-74
SMIM21	ENSG00000	0	3.13	-2.046	4.56E-66
ZDHC11E	ENSG00000	0.6	7.9	-2.476	3.89E-57
RP11-503M	ENSG00000	0.11	19.34	-4.196	7.40E-82
GOLGA8O	ENSG00000	0.05	8.41	-3.164	9.24E-68
TMEM191C	ENSG00000	2.95	151.628	-5.272	3.35E-65
KB-1183D	ENSG00000	0	27.49	-4.832	3.93E-70
HBA1	ENSG00000	6.76	39.21	-2.373	1.46E-06
TCEB3B	ENSG00000	0	5.19	-2.63	2.33E-58
TSSK2	ENSG00000	0	169.353	-7.412	5.70E-74
RP11-93O	ENSG00000	0	4.76	-2.526	8.68E-55
RP11-553A	ENSG00000	0.42	6.6	-2.42	1.04E-65
LNP1	ENSG00000	2.12	23.131	-2.951	2.22E-48
PRSS50	ENSG00000	1.56	71.908	-4.832	3.98E-71
KRBOX1-A	ENSG00000	0	3.17	-2.06	2.05E-65
ZCWPW2	ENSG00000	0.63	10.06	-2.762	4.79E-65
RNU1-28P	ENSG00000	4.86	44.2	-2.947	1.13E-33

RNU1-27P	ENSG00000	4.86	44.301	-2.951	1.70E-36
RNU1-1	ENSG00000	4.86	44.2	-2.947	1.13E-33
RNVU1-18	ENSG00000	4.86	44.2	-2.947	1.13E-33
RNU1-2	ENSG00000	4.86	44.301	-2.951	1.70E-36
RNU1-4	ENSG00000	4.86	44.301	-2.951	1.70E-36
RNU1-3	ENSG00000	4.86	44.2	-2.947	1.13E-33
MT-RNR2	ENSG00000	1962.53	9678.044	-2.301	1.70E-34
KB-1572G7	ENSG00000	0.13	10.67	-3.368	9.46E-64
TRBV7-1	ENSG00000	0	9.55	-3.399	1.06E-53
TSSK1B	ENSG00000	0.02	68.659	-6.094	1.12E-69
PRR22	ENSG00000	7.16	66.32	-3.044	1.97E-44
SNORA57	ENSG00000	0	17.49	-4.209	1.74E-24
EWSAT1	ENSG00000	0.16	19.02	-4.109	1.60E-67
RPL29P7	ENSG00000	0	12.15	-3.717	1.76E-56
FGFR1OP	ENSG00000	12.3	69.772	-2.412	9.72E-54
RP11-760I	ENSG00000	0.03	3.5	-2.127	6.96E-52
RPL36AP4E	ENSG00000	0	5.42	-2.683	2.65E-62
FAM24B	ENSG00000	2.41	13.1	-2.048	3.63E-66
C6orf165	ENSG00000	0.24	20.35	-4.106	1.12E-59
PPP1R2P1C	ENSG00000	0.55	5.42	-2.05	6.15E-45
TSGA13	ENSG00000	0	17.95	-4.244	2.97E-66
GSTM2	ENSG00000	18.39	138.418	-2.846	3.89E-40
MAGEA12	ENSG00000	0.06	3.66	-2.136	2.26E-27
RPLP1P6	ENSG00000	1	14.3	-2.935	9.13E-83
YBX2P1	ENSG00000	0	6.17	-2.842	7.26E-71
TTLL13P	ENSG00000	0.15	18.75	-4.102	9.20E-73
RP13-39P1	ENSG00000	0.38	8.8	-2.828	3.33E-62
VN1R64P	ENSG00000	0	3.45	-2.154	3.83E-59
SLC25A1P3	ENSG00000	0.04	13.88	-3.839	3.36E-69
FAM209B	ENSG00000	0.41	147.298	-6.717	1.14E-77
TTLL3	ENSG00000	11.16	134.13	-3.474	4.17E-76
UCA1	ENSG00000	0.05	3.84	-2.205	9.18E-25
ST7-OT4	ENSG00000	0.06	21.98	-4.438	4.68E-88
TTC41P	ENSG00000	0.62	7.68	-2.422	3.33E-64
LCNL1	ENSG00000	0.24	58.141	-5.576	1.53E-115
LRRC37A4F	ENSG00000	3.62	42.209	-3.225	2.16E-23
FAM187A	ENSG00000	0.62	20.68	-3.742	1.27E-58
PLIN5	ENSG00000	0.38	4.54	-2.005	6.31E-50
SEC14L6	ENSG00000	0.38	6.68	-2.476	1.23E-66
STARD10	ENSG00000	27.42	387.216	-3.772	5.59E-52
LRRC37A11	ENSG00000	0.1	4.55	-2.335	2.49E-55
RP11-74E2	ENSG00000	0.02	7.3	-3.025	1.29E-67
RP11-989E	ENSG00000	0	8.19	-3.2	5.21E-75
SLC6A10P	ENSG00000	1.07	66.8	-5.034	1.94E-70
RP11-83B2	ENSG00000	0.03	4.24	-2.347	3.52E-66
ZSWIM8	ENSG00000	35.05	205.044	-2.515	3.38E-75
IQCF5	ENSG00000	0.26	135.889	-6.763	3.83E-62
IQCF6	ENSG00000	0	24.401	-4.667	8.63E-62
RP1-139D8	ENSG00000	0	155.19	-7.287	2.07E-73

RP11-429J	ENSG00000	0.23	9.99	-3.159	8.38E-79
HNRNPA1F	ENSG00000	0.03	40.461	-5.331	2.26E-66
LINC01347	ENSG00000	1.86	22.969	-3.067	3.09E-46
RAD51AP2	ENSG00000	0.09	7.69	-2.995	6.78E-75
U82695.5	ENSG00000	0.04	16.34	-4.059	2.39E-88
SPATA31D	ENSG00000	0.03	14.84	-3.943	2.99E-79
NPIPA8	ENSG00000	1.95	17.95	-2.683	2.20E-19
TBC1D26	ENSG00000	0.09	12.15	-3.593	3.34E-77
FAM74A1	ENSG00000	0	4.84	-2.546	4.44E-36
LINC00588	ENSG00000	0	3.52	-2.176	7.36E-58
RP11-102E	ENSG00000	0.03	25.189	-4.668	8.88E-70
RP11-102E	ENSG00000	1.68	10.71	-2.127	3.06E-52
GOLGA6B	ENSG00000	0.03	12.11	-3.67	5.05E-56
GOLGA8B	ENSG00000	18.75	106.92	-2.45	2.10E-33
KCNU1	ENSG00000	0	6.29	-2.866	9.98E-56
HOMEZ	ENSG00000	3.62	47.389	-3.389	7.01E-62
RNF212B	ENSG00000	0.49	11.22	-3.036	1.30E-57
RP11-613F	ENSG00000	0	3.45	-2.154	2.76E-53
TMCO5B	ENSG00000	0	75.94	-6.266	8.14E-74
SLC25A5P1	ENSG00000	0.21	13.17	-3.55	1.03E-79
NPEPL1	ENSG00000	13.02	60.329	-2.129	3.89E-59
FAM230B	ENSG00000	0.01	33.42	-5.091	9.36E-71
GAB4	ENSG00000	0.02	4.47	-2.423	1.79E-76
GRK6P1	ENSG00000	0.07	3.86	-2.183	1.08E-53
GUSBP9	ENSG00000	1.7	25.989	-3.321	1.60E-69
RP13-104F	ENSG00000	1.92	15.43	-2.492	7.75E-72
ZC3H11B	ENSG00000	0.06	6.03	-2.729	7.37E-64
TTC34	ENSG00000	0.16	11.8	-3.464	5.49E-83
HIST1H2AI	ENSG00000	0	22.721	-4.568	7.10E-72
RP11-244K	ENSG00000	0	9.32	-3.367	7.95E-67
GAPDHP72	ENSG00000	0.03	9.52	-3.352	5.57E-68
POM121L4	ENSG00000	0	4.81	-2.539	5.49E-52
RPS7P5	ENSG00000	0	10.64	-3.541	1.78E-50
PSMC1P11	ENSG00000	0	5.13	-2.616	2.21E-57
ISCA1P1	ENSG00000	3.47	32.03	-2.885	2.25E-37
SYCE3	ENSG00000	0.57	190.506	-6.93	5.82E-88
KRT19P1	ENSG00000	0	23.779	-4.631	3.53E-69
RP11-889L	ENSG00000	2.3	74.718	-4.52	1.10E-127
PAPOLB	ENSG00000	0.05	16.45	-4.055	4.89E-73
TEX40	ENSG00000	0	12.66	-3.772	1.31E-70
FAM228B	ENSG00000	5.11	48.341	-3.014	3.14E-66
RPL23AP47	ENSG00000	0	6.31	-2.87	2.04E-12
RP11-394Z	ENSG00000	0.25	12.13	-3.393	2.78E-42
FLJ35934	ENSG00000	0.79	37.131	-4.413	2.59E-75
VAMP2	ENSG00000	17.73	86.258	-2.22	7.20E-51
SLC25A51F	ENSG00000	0	6.93	-2.987	1.00E-58
RP3-406A7	ENSG00000	0	9.01	-3.323	9.16E-60
MTMR9LP	ENSG00000	1.38	9.26	-2.108	1.25E-24
MAGEA3	ENSG00000	0.13	10.39	-3.333	3.40E-35

POM121L1	ENSG00000	0	16.8	-4.154	4.77E-69
EXOC3-AS	ENSG00000	1.08	10.21	-2.43	5.49E-73
RNU2-2P	ENSG00000	0.13	10.04	-3.288	8.26E-31
RN7SKP7	ENSG00000	0	4.46	-2.449	1.37E-37
RP1-171K1	ENSG00000	0.09	3.79	-2.136	6.37E-22
TH2LCRR	ENSG00000	0	19.48	-4.356	1.54E-70
RP11-274J	ENSG00000	0	5.03	-2.592	1.70E-50
RP11-542F	ENSG00000	0	3.05	-2.018	2.90E-47
RP11-223F	ENSG00000	0.02	7.5	-3.059	4.51E-56
SMPD4P1	ENSG00000	0	3.13	-2.046	6.39E-76
RP11-393K	ENSG00000	0	3.99	-2.319	6.55E-55
LINC01120	ENSG00000	0.04	17.64	-4.164	3.53E-86
RP4-613A2	ENSG00000	0.12	16.19	-3.94	1.53E-75
LINC01208	ENSG00000	0.04	3.51	-2.117	7.16E-44
RP11-644K	ENSG00000	0.06	11.51	-3.561	2.32E-68
RP4-717I2	ENSG00000	7.06	40.731	-2.372	3.88E-50
MIR503HG	ENSG00000	2.21	51.789	-4.04	5.58E-53
FAM95B1	ENSG00000	2.39	208.831	-5.952	3.83E-65
RP11-73B2	ENSG00000	0	6.01	-2.809	8.64E-55
RP11-430C	ENSG00000	0	5.71	-2.746	4.80E-56
RP11-252F	ENSG00000	0	4.08	-2.345	3.84E-49
ROR1-AS1	ENSG00000	0.06	4.36	-2.338	9.81E-50
SNRPD2P2	ENSG00000	0	14.55	-3.959	1.20E-59
RP4-622L5	ENSG00000	0.14	4.05	-2.147	1.47E-63
LINC00633	ENSG00000	0	14.44	-3.949	1.59E-60
POM121L1	ENSG00000	0	12.18	-3.72	4.13E-56
RP11-433C	ENSG00000	0.03	3.59	-2.156	3.57E-45
HAGLR	ENSG00000	2.23	69.879	-4.456	1.40E-53
LINC00466	ENSG00000	0	4.13	-2.359	3.54E-75
RP11-336K	ENSG00000	0	3.14	-2.05	3.25E-52
MSL3P1	ENSG00000	4.72	23.02	-2.07	3.16E-29
RP11-462C	ENSG00000	0.11	11.44	-3.486	2.49E-66
LINC00703	ENSG00000	0	4.94	-2.57	1.13E-58
PRR29	ENSG00000	0.8	19.28	-3.494	6.07E-61
RP11-48F1	ENSG00000	0	6.63	-2.932	1.58E-44
PRKAR2A-1	ENSG00000	0.42	23.76	-4.124	1.61E-70
RP11-61J1	ENSG00000	0	4.66	-2.501	3.83E-29
RP11-385M	ENSG00000	0.05	4.09	-2.277	1.14E-58
LINC01015	ENSG00000	0	20.06	-4.396	3.90E-75
GPX5	ENSG00000	0.02	4.03	-2.302	2.18E-53
ZMIZ1-AS1	ENSG00000	0.35	5.64	-2.298	5.04E-58
HSD52	ENSG00000	0	11.45	-3.638	5.07E-64
PDSS1P2	ENSG00000	0	9.26	-3.359	1.49E-63
LAMTOR5-1	ENSG00000	2.5	43.721	-3.676	1.10E-84
RP11-697E	ENSG00000	0	3.73	-2.242	3.61E-47
TEX26-AS1	ENSG00000	0.05	23.309	-4.533	2.00E-76
RP11-54O1	ENSG00000	0	6.32	-2.872	1.72E-55
IQCF4	ENSG00000	0	275.192	-8.11	1.39E-73
LINC00240	ENSG00000	1.32	9.39	-2.163	6.42E-59

RP1-90J20	ENSG00000	0.26	12.86	-3.459	2.12E-44
XX-FW810	ENSG00000	0	15.75	-4.066	1.38E-58
LARGE-AS1	ENSG00000	0	31.18	-5.008	3.11E-64
RP11-160F	ENSG00000	0	7	-3	6.96E-66
RP11-228E	ENSG00000	0.51	6.36	-2.285	2.76E-74
RP11-349E	ENSG00000	0	20.391	-4.419	1.67E-58
HMGB3P22	ENSG00000	0.5	21.29	-3.893	7.05E-65
RP11-383C	ENSG00000	0	5.32	-2.66	3.08E-46
RP11-456F	ENSG00000	0	12.61	-3.767	1.73E-56
RP1-127D	ENSG00000	0	4.87	-2.553	6.07E-52
LA16c-83F	ENSG00000	0.09	8.46	-3.117	3.60E-75
RP5-937E2	ENSG00000	0.05	24.18	-4.584	5.24E-70
PCDH9-AS	ENSG00000	0	3.58	-2.195	5.64E-48
TAF1A-AS1	ENSG00000	1.26	10.01	-2.284	1.72E-53
RP11-415J	ENSG00000	0.58	9	-2.662	6.99E-83
RP11-449J	ENSG00000	0	4.69	-2.508	7.74E-45
SNX18P3	ENSG00000	0.17	15.39	-3.808	1.22E-93
RP11-69A2	ENSG00000	0	3.65	-2.217	4.89E-60
RP11-3B7	ENSG00000	0.23	16.09	-3.796	2.53E-91
RP1-257A1	ENSG00000	0	12.74	-3.78	2.92E-63
RAB6C-AS	ENSG00000	0.13	5.77	-2.583	1.25E-51
PLCB1-IT1	ENSG00000	0	3.28	-2.098	1.52E-44
RP11-760I	ENSG00000	0	3.9	-2.293	9.19E-66
RP11-390F	ENSG00000	0.7	26.999	-4.042	9.77E-74
KCNMA1-1	ENSG00000	0	4.39	-2.43	1.80E-44
LINC01492	ENSG00000	0	4.49	-2.457	6.78E-53
RP11-550F	ENSG00000	0	8.07	-3.181	1.76E-55
RP11-70C1	ENSG00000	0.07	3.72	-2.141	4.99E-60
RP5-1022F	ENSG00000	0	6.98	-2.996	3.04E-58
FAM225B	ENSG00000	0.16	19.34	-4.132	4.10E-76
NRG3-AS1	ENSG00000	0	9.33	-3.369	3.36E-55
RP5-850O	ENSG00000	0	3.77	-2.254	1.15E-48
PROSER2-1	ENSG00000	0.2	6.71	-2.684	1.14E-67
FAM229A	ENSG00000	1.84	174.525	-5.95	2.60E-96
RP11-452K	ENSG00000	1.14	32.491	-3.968	1.31E-57
LINC00694	ENSG00000	0.08	49.47	-5.546	1.72E-79
RP3-495K2	ENSG00000	0	13.53	-3.861	7.59E-61
RP3-476KE	ENSG00000	0	3.34	-2.118	2.36E-57
RP11-384K	ENSG00000	8.28	43.691	-2.268	2.41E-61
ODF2-AS1	ENSG00000	0.31	7.87	-2.759	3.59E-68
MTND1P2	ENSG00000	3.32	17.08	-2.065	7.33E-06
OR7E19P	ENSG00000	0.03	6.58	-2.88	3.15E-58
UBXN10-A	ENSG00000	0.6	6.79	-2.284	1.85E-69
KCNIP2-AS	ENSG00000	0.11	42.851	-5.304	7.35E-79
RP11-180C	ENSG00000	0.18	10.28	-3.257	1.34E-61
RP4-712E4	ENSG00000	0	7.12	-3.021	5.85E-54
TEX22	ENSG00000	0.34	13.69	-3.455	6.39E-65
RP11-419C	ENSG00000	3.82	28.31	-2.604	2.34E-59
LEMD1-AS	ENSG00000	0.09	4.07	-2.218	2.76E-69

RP11-307F	ENSG00000100000	0	5.06	-2.599	5.54E-36
GRM7-AS3	ENSG00000100000	0	16.05	-4.092	1.37E-59
RP11-61N2	ENSG00000100000	10.06	58.63	-2.431	2.55E-30
TMEM1917	ENSG00000100000	11.29	150.33	-3.622	2.95E-45
RP11-435M	ENSG00000100000	0	6.87	-2.976	1.71E-59
ZNF192P1	ENSG00000100000	0.61	6.6	-2.239	9.24E-89
ST7-AS2	ENSG00000100000	0	3.7	-2.233	3.34E-51
SORCS3-A	ENSG00000100000	0	39.221	-5.33	6.44E-74
RP11-358L	ENSG00000100000	0	6.37	-2.882	6.61E-57
RP11-31F1	ENSG00000100000	2.72	24.02	-2.75	1.29E-54
OR8T1P	ENSG00000100000	0.09	3.6	-2.077	2.20E-64
RP11-393J	ENSG00000100000	0	3.49	-2.167	2.65E-49
RP3-462C1	ENSG00000100000	0	22.8	-4.573	3.72E-31
RP13-401M	ENSG00000100000	6.94	34.951	-2.179	2.50E-21
RBM22P3	ENSG00000100000	0	7.65	-3.113	1.35E-71
LINC00390	ENSG00000100000	0	3.7	-2.233	6.97E-57
LINC00606	ENSG00000100000	0	7.07	-3.013	8.41E-55
RP11-340H	ENSG00000100000	0.19	7.79	-2.885	7.12E-61
LINC00343	ENSG00000100000	0	37.741	-5.276	6.49E-74
RP11-128M	ENSG00000100000	0.47	5.03	-2.036	8.82E-48
KIF4B	ENSG00000100000	0.01	3.11	-2.025	9.32E-64
PSMD10P2	ENSG00000100000	0.06	4.36	-2.338	4.99E-49
RP11-526L	ENSG00000100000	0.05	21.29	-4.408	3.76E-71
TEX41	ENSG00000100000	1.96	10.88	-2.005	4.84E-62
LENG8-AS1	ENSG00000100000	1.69	14.05	-2.484	2.14E-92
LINC00424	ENSG00000100000	0	4.7	-2.511	8.65E-55
PSMD5-AS1	ENSG00000100000	7.2	38.751	-2.277	1.99E-48
RP5-1024C	ENSG00000100000	0.95	34.151	-4.172	1.16E-70
SRRM5	ENSG00000100000	0.4	57.452	-5.384	3.48E-72
RP11-203E	ENSG00000100000	0.96	17.97	-3.275	3.35E-98
MROH5	ENSG00000100000	0.1	11.07	-3.456	6.21E-55
RP11-148E	ENSG00000100000	0.06	6.01	-2.725	9.61E-55
RP11-402F	ENSG00000100000	0.77	13.43	-3.027	2.14E-23
RP11-575L	ENSG00000100000	0.18	7.96	-2.925	2.21E-72
LINC01359	ENSG00000100000	0.05	4.3	-2.336	4.00E-89
LINC00354	ENSG00000100000	0	9.74	-3.425	3.05E-65
LINC00454	ENSG00000100000	0	19.7	-4.372	8.99E-86
RBM11J	ENSG00000100000	0	5.72	-2.748	2.46E-68
LINC00658	ENSG00000100000	0	77.128	-6.288	6.11E-76
RP5-956O	ENSG00000100000	0.03	8.68	-3.232	5.66E-62
RP11-168F	ENSG00000100000	0	12.35	-3.739	4.11E-61
LINC00511	ENSG00000100000	1.26	13.42	-2.674	1.09E-40
RP11-286M	ENSG00000100000	0	16.31	-4.114	2.07E-66
RBMX2P5	ENSG00000100000	0.03	7.31	-3.012	7.26E-64
RP11-433J	ENSG00000100000	0	10.92	-3.575	3.17E-61
LBX1-AS1	ENSG00000100000	0.28	12.48	-3.397	3.09E-55
RP11-5457	ENSG00000100000	0.15	6.89	-2.778	1.06E-71
RP11-196L	ENSG00000100000	0.32	12.39	-3.343	3.30E-47
RP11-214L	ENSG00000100000	0	10.73	-3.552	9.95E-55

RP11-317F	ENSG00000	0	10.24	-3.491	3.95E-47
MIR663AH	ENSG00000	0.1	45.069	-5.388	1.95E-74
RP11-121F	ENSG00000	0	4.45	-2.446	3.57E-49
XXbac-BCX	ENSG00000	0	4.51	-2.462	1.89E-50
RP11-367J	ENSG00000	0	5.83	-2.772	5.65E-42
RP11-203J	ENSG00000	0.23	10.07	-3.17	1.40E-73
SPANXB1	ENSG00000	0.24	92.161	-6.231	7.16E-66
SMIM2-AS	ENSG00000	0.84	12.09	-2.831	2.24E-56
LINC01364	ENSG00000	0	11.19	-3.608	7.74E-53
RP4-669P1	ENSG00000	0.52	13.57	-3.261	2.60E-79
STK4-AS1	ENSG00000	0.24	4.49	-2.146	4.28E-62
RP11-152M	ENSG00000	3.91	23.74	-2.333	1.02E-70
SPAG5-AS	ENSG00000	1.49	45.01	-4.208	3.13E-94
RP5-905H	ENSG00000	0	17.81	-4.233	1.07E-61
RP1-2801C	ENSG00000	0.5	7.07	-2.428	1.29E-78
LINC01068	ENSG00000	0	4.58	-2.48	2.80E-58
RP11-730G	ENSG00000	0.4	8.64	-2.784	1.48E-46
RP11-578F	ENSG00000	0	19.46	-4.355	7.37E-64
PSPC1P1	ENSG00000	0	5.46	-2.692	4.38E-59
RP11-102C	ENSG00000	0	21.96	-4.521	1.35E-60
RP11-73B2	ENSG00000	0.55	6.15	-2.206	4.48E-50
RP11-141M	ENSG00000	0	3.74	-2.245	3.03E-49
RP11-143M	ENSG00000	0.06	18.47	-4.199	1.70E-61
RP11-191M	ENSG00000	0	21.64	-4.501	5.52E-68
RP11-372M	ENSG00000	0	4.35	-2.42	3.92E-42
LINC01341	ENSG00000	1.16	12.95	-2.691	6.90E-47
RP11-383C	ENSG00000	0.05	10.88	-3.5	4.90E-64
RP11-69E1	ENSG00000	0	12.48	-3.753	4.63E-67
MFI2-AS1	ENSG00000	3.95	68.379	-3.809	9.20E-71
RP11-165F	ENSG00000	0.13	5.48	-2.52	5.73E-60
RP3-467K1	ENSG00000	0.02	4.77	-2.5	6.79E-69
RP1-317E2	ENSG00000	0.67	11.24	-2.874	9.16E-79
RP11-244M	ENSG00000	0	4.25	-2.392	9.09E-39
RP13-60M	ENSG00000	0	8.21	-3.203	4.56E-55
MT-ATP8	ENSG00000	6584.233	28407.81	-2.109	2.00E-30
RP11-137C	ENSG00000	0	7.77	-3.133	2.32E-63
RALY-AS1	ENSG00000	1.39	18.379	-3.019	1.78E-66
PCAT6	ENSG00000	4.29	119.684	-4.512	7.97E-67
RP11-132M	ENSG00000	0	78.858	-6.319	2.60E-72
LINC01350	ENSG00000	0	79.798	-6.336	3.16E-69
RP11-235C	ENSG00000	0.04	10.93	-3.52	2.91E-69
RP11-206L	ENSG00000	2.76	14.94	-2.084	2.02E-29
RPL17P43	ENSG00000	0.3	13.96	-3.525	4.49E-52
RP5-845O2	ENSG00000	0	10.54	-3.529	3.03E-53
MIR646HG	ENSG00000	0.6	17.179	-3.506	1.26E-56
RP11-365F	ENSG00000	0.2	7.69	-2.856	1.40E-59
RP11-85L2	ENSG00000	0.06	27.971	-4.772	9.96E-57
GAS2L1P2	ENSG00000	0.22	8.1	-2.899	1.93E-54
LINC00687	ENSG00000	0	15.8	-4.07	1.84E-63

RP5-864K1	ENSG00000	0.52	20.05	-3.792	3.09E-69
LINC01125	ENSG00000	5.18	46.09	-2.93	5.77E-49
LINC01013	ENSG00000	0.16	6.27	-2.648	5.70E-52
RP11-347C	ENSG00000	0	8.49	-3.246	1.04E-61
RP4-586O	ENSG00000	0	81.007	-6.358	1.24E-68
RP11-108M	ENSG00000	0.24	11.37	-3.318	6.89E-58
HOTAIR	ENSG00000	0.09	6.77	-2.834	1.02E-54
RP5-1051F	ENSG00000	0.35	99.898	-6.224	2.24E-61
LINC00448	ENSG00000	0	7.9	-3.154	5.39E-55
RP4-676J1	ENSG00000	0	3.06	-2.021	1.26E-50
RP11-336A	ENSG00000	0	3.6	-2.202	1.13E-38
RP3-335N	ENSG00000	0	8.6	-3.263	1.71E-60
TNKS2-AS	ENSG00000	1.12	13.43	-2.767	1.26E-58
RP11-284C	ENSG00000	0	4.19	-2.376	6.04E-56
GS1-18A1	ENSG00000	0	5.2	-2.632	9.06E-58
GABRG3-A	ENSG00000	0	41.659	-5.415	9.24E-69
RP13-39P1	ENSG00000	8.45	63.109	-2.762	2.17E-41
RP11-242F	ENSG00000	0.01	6.08	-2.809	1.34E-60
RP4-784A1	ENSG00000	0	3.34	-2.118	2.31E-44
PIK3IP1-AS	ENSG00000	0.26	8.7	-2.945	4.28E-99
TSPY3	ENSG00000	0.32	7.09	-2.616	1.16E-05
HOMER2P	ENSG00000	0.21	5.08	-2.329	2.43E-09
RP11-265C	ENSG00000	0.19	4.82	-2.29	7.91E-06
LINC01277	ENSG00000	0.02	5.41	-2.652	2.06E-54
HSFY1P1	ENSG00000	0	3.01	-2.004	4.47E-50
SPRR2C	ENSG00000	0	47.669	-5.605	3.11E-67
RP11-20P5	ENSG00000	0	3.38	-2.131	4.94E-53
LINC01548	ENSG00000	0	14.08	-3.915	7.46E-61
RP11-250F	ENSG00000	0.12	6.61	-2.764	7.87E-46
PGA4	ENSG00000	0.05	4.19	-2.305	5.17E-32
LINC00710	ENSG00000	0	63.848	-6.019	1.18E-69
HNRNPA1F	ENSG00000	0.14	4.29	-2.214	2.20E-52
RP11-552C	ENSG00000	0	14.85	-3.986	3.18E-73
POM121L8	ENSG00000	0	22.38	-4.547	7.21E-67
MCHR2-AS	ENSG00000	0	99.442	-6.65	4.43E-78
KRT8P12	ENSG00000	6.25	32.599	-2.212	7.09E-46
LINC00452	ENSG00000	0.03	5.24	-2.599	1.16E-69
RP11-12M	ENSG00000	0	9.52	-3.395	5.37E-62
RP11-494C	ENSG00000	0	8.18	-3.199	1.03E-27
RP11-202I	ENSG00000	0	5.55	-2.711	4.22E-51
RP11-202C	ENSG00000	0	6.99	-2.998	8.52E-55
LINC01523	ENSG00000	0	6.37	-2.882	5.64E-59
RP11-119E	ENSG00000	0.69	5.95	-2.04	3.42E-56
UBE2DNL	ENSG00000	0.52	34.951	-4.564	2.48E-59
RP11-423C	ENSG00000	0.05	4.33	-2.344	1.83E-58
RP5-827L5	ENSG00000	0	12.29	-3.732	4.10E-58
RP11-390F	ENSG00000	0.1	4.48	-2.317	2.22E-44
LINC01501	ENSG00000	0.04	3.66	-2.164	1.75E-54
ISPD-AS1	ENSG00000	0.11	10.64	-3.39	6.70E-57

RP11-374M	ENSG00000	0	64.829	-6.041	5.36E-74
XX-CR54.1	ENSG00000	0.09	14.32	-3.813	4.57E-88
RP5-971N	ENSG00000	0.02	8.06	-3.151	1.34E-75
RP11-298F	ENSG00000	0	3.49	-2.167	6.75E-45
UBE2Q1-A	ENSG00000	0.1	7.11	-2.882	6.75E-72
SNRPF2	ENSG00000	0	3.27	-2.094	2.40E-44
ZNF688	ENSG00000	5.43	41.821	-2.735	4.18E-59
PGA3	ENSG00000	0.1	10.78	-3.421	2.35E-59
RP11-363M	ENSG00000	0	3.75	-2.248	7.91E-66
RP11-668C	ENSG00000	0.02	15.95	-4.055	1.03E-62
HSPD1P21	ENSG00000	0	17.81	-4.233	2.39E-77
RHEBP1	ENSG00000	1.78	10.5	-2.049	7.68E-35
PRPS1L1	ENSG00000	0.05	37.379	-5.192	2.95E-82
ZRANB2-A	ENSG00000	0.45	5.41	-2.144	5.75E-88
RP11-366F	ENSG00000	0.03	4.53	-2.425	5.58E-44
IQCF3	ENSG00000	0.03	177.293	-7.435	6.42E-71
TOB1-AS1	ENSG00000	0.59	10.2	-2.816	1.04E-69
RP5-905H	ENSG00000	0.09	42.851	-5.33	1.68E-61
RP11-217E	ENSG00000	0.07	43.449	-5.376	2.85E-73
RP11-80B9	ENSG00000	0	30.33	-4.969	5.23E-61
LINC00364	ENSG00000	0	4.15	-2.365	1.46E-42
RP11-402C	ENSG00000	0	77.541	-6.295	2.53E-71
RP11-407E	ENSG00000	0.07	12.69	-3.677	3.78E-54
RP11-232C	ENSG00000	1.91	24.429	-3.127	2.43E-22
FAM92A1P	ENSG00000	0.01	13.6	-3.854	8.50E-63
RP4-697K1	ENSG00000	0	3.09	-2.032	1.02E-45
SPATA31C	ENSG00000	0.1	17.45	-4.068	9.15E-68
RP11-90C4	ENSG00000	0	3.37	-2.128	1.74E-50
RP11-334J	ENSG00000	0.5	9.36	-2.788	7.69E-67
NAALADL2	ENSG00000	0	4.65	-2.498	1.93E-43
RP11-213C	ENSG00000	0	28.019	-4.859	8.01E-84
TPI1P2	ENSG00000	0.46	4.91	-2.017	5.09E-43
VN1R32P	ENSG00000	0.05	14.04	-3.84	4.37E-76
KARSP2	ENSG00000	0.04	6.57	-2.864	3.10E-74
GOLGA6L5	ENSG00000	2.33	43.09	-3.727	3.17E-94
RP4-737E2	ENSG00000	0.01	12.48	-3.738	4.99E-69
LINC01066	ENSG00000	0	4.75	-2.524	2.08E-49
RP5-902P8	ENSG00000	0.81	23.53	-3.76	5.11E-99
RP11-14O	ENSG00000	0	6.77	-2.958	4.77E-45
RP11-390E	ENSG00000	0	7.05	-3.009	1.03E-51
LRRC37A6F	ENSG00000	0.2	5.11	-2.348	5.67E-63
U73166.2	ENSG00000	0.16	26.87	-4.587	1.10E-83
PROX1-AS	ENSG00000	0	6.63	-2.932	3.50E-60
NOS2P3	ENSG00000	0.06	13.25	-3.749	5.27E-77
RP11-95M	ENSG00000	0	4.5	-2.459	1.23E-54
RP11-297A	ENSG00000	0.06	8.93	-3.228	5.69E-81
RP11-74C1	ENSG00000	0.04	7.63	-3.053	4.28E-65
LINC01183	ENSG00000	0.21	17.579	-3.941	4.67E-72
RP5-828H9	ENSG00000	0.03	16.62	-4.096	1.11E-63

ZNF32-AS2	ENSG00000100000	0.44	5.03	-2.066	1.24E-77
GPAA1P2	ENSG00000100000	0.82	6.75	-2.09	1.18E-50
RP11-402C	ENSG00000100000	0	30.26	-4.966	4.82E-67
RP5-1198C	ENSG00000100000	1.29	11.1	-2.402	7.89E-46
RP11-286F	ENSG00000100000	0.14	6.39	-2.697	8.23E-66
RP3-406P2	ENSG00000100000	0	4.84	-2.546	1.28E-41
RGPD4-AS	ENSG00000100000	0	32.581	-5.07	1.30E-82
SAP18P3	ENSG00000100000	0	3.35	-2.121	9.19E-49
LINC01001	ENSG00000100000	36.849	169.177	-2.169	7.59E-29
RP4-738P1	ENSG00000100000	0.01	5.39	-2.662	1.69E-58
ZNF341-A5	ENSG00000100000	0	4.84	-2.546	8.64E-60
RP11-251F	ENSG00000100000	0	52.091	-5.73	1.09E-67
FOXD3-AS	ENSG00000100000	0.17	13.55	-3.636	3.52E-05
RP5-968J1	ENSG00000100000	0	5.53	-2.707	4.10E-44
RP11-383M	ENSG00000100000	0	3.33	-2.114	7.21E-55
RP11-195E	ENSG00000100000	0.12	3.95	-2.144	4.66E-11
RP11-379C	ENSG00000100000	0	3.77	-2.254	1.53E-51
STMND1	ENSG00000100000	0.05	7	-2.93	1.73E-61
LINC00692	ENSG00000100000	0	5.44	-2.687	3.42E-59
RP11-314C	ENSG00000100000	0.24	4.09	-2.037	5.29E-68
RP4-631H1	ENSG00000100000	0	5.3	-2.655	4.38E-27
LINC00326	ENSG00000100000	0	13.32	-3.84	9.99E-67
LINC00271	ENSG00000100000	0.14	14.52	-3.767	2.54E-81
RP1-140A9	ENSG00000100000	0.13	4.47	-2.275	2.10E-64
RP11-263k	ENSG00000100000	1.22	15.56	-2.899	6.61E-57
RP11-514F	ENSG00000100000	0	3.27	-2.094	4.29E-38
TSSK1A	ENSG00000100000	0.18	6.78	-2.721	3.40E-77
RP5-1073C	ENSG00000100000	0	9.09	-3.335	1.09E-73
HAR1B	ENSG00000100000	0.05	6.24	-2.786	9.88E-57
RP1-207H1	ENSG00000100000	0.03	5.03	-2.549	1.24E-49
RP11-34D1	ENSG00000100000	0	8.35	-3.225	6.63E-61
RP11-495F	ENSG00000100000	0.37	7.88	-2.696	6.05E-43
PCED1CP	ENSG00000100000	0	4.71	-2.513	6.52E-69
RP11-723C	ENSG00000100000	0.7	9.52	-2.63	2.64E-70
RP1-225E1	ENSG00000100000	0.09	7.44	-2.953	2.82E-101
RP11-148E	ENSG00000100000	0	3.28	-2.098	1.58E-34
RP11-413C	ENSG00000100000	0	7.8	-3.138	2.00E-54
FAR2P4	ENSG00000100000	0.11	21.769	-4.358	6.32E-64
LINC00441	ENSG00000100000	0.07	7.83	-3.045	1.28E-68
FAM225A	ENSG00000100000	0.77	36.969	-4.423	1.83E-77
RP11-410C	ENSG00000100000	0	4.11	-2.353	2.19E-56
LINC01249	ENSG00000100000	0.21	9.07	-3.057	4.34E-27
RP11-162k	ENSG00000100000	0	6.59	-2.924	2.44E-56
FAHD2CP	ENSG00000100000	6.83	47.52	-2.631	7.33E-64
RP11-575L	ENSG00000100000	0.05	10.14	-3.407	1.05E-74
RPS6KA2-1	ENSG00000100000	0	13.94	-3.901	2.62E-62
RP11-404C	ENSG00000100000	0.07	8.07	-3.083	1.58E-65
LINC-PINT	ENSG00000100000	1.78	13.86	-2.418	5.63E-61
TSPAN19	ENSG00000100000	0.06	5.98	-2.719	3.96E-58

RP11-227F	ENSG00000	0.21	4.35	-2.144	1.25E-22
RP11-402F	ENSG00000	0	9.05	-3.329	6.24E-27
PCAT7	ENSG00000	0.19	4.12	-2.105	3.97E-39
LINC01388	ENSG00000	0	3.05	-2.018	1.88E-56
LINC01198	ENSG00000	3.38	38.62	-3.177	4.94E-27
PRH1	ENSG00000	1.18	80.738	-5.229	2.32E-63
RP11-29BC	ENSG00000	0	6.47	-2.901	4.02E-52
RP11-557F	ENSG00000	0	4.57	-2.478	1.42E-51
LINC00202	ENSG00000	0.71	213.027	-6.968	1.96E-76
PPP1R2P3	ENSG00000	0.06	50.611	-5.606	2.42E-76
RP11-111F	ENSG00000	0.35	8.33	-2.789	1.26E-45
FLJ27354	ENSG00000	0.71	39.021	-4.549	1.08E-99
LEF1-AS1	ENSG00000	0.21	49.6	-5.386	3.22E-82
ZBED9	ENSG00000	1.26	12.72	-2.602	7.96E-69
XXbac-BPC	ENSG00000	0	29.9	-4.95	1.05E-65
RFX3-AS1	ENSG00000	0.26	5.79	-2.43	6.83E-75
RP11-360I	ENSG00000	0	32.479	-5.065	3.05E-74
RP3-461P1	ENSG00000	0	14.9	-3.991	4.13E-65
RP11-302L	ENSG00000	0	8.28	-3.214	5.62E-67
LINC00202	ENSG00000	1.25	91.842	-5.367	4.76E-54
LINC00865	ENSG00000	0.36	21.421	-4.043	4.68E-73
RP11-4C2C	ENSG00000	0	3.11	-2.039	1.46E-52
XXyac-YX1	ENSG00000	2.51	88.223	-4.668	9.55E-48
RP11-240L	ENSG00000	0	3.3	-2.104	1.01E-72
GNG12-AS	ENSG00000	0.04	3.68	-2.17	2.66E-56
RP4-715N	ENSG00000	0	4.84	-2.546	5.85E-71
RP11-154I	ENSG00000	0.06	20.09	-4.314	1.21E-71
RP11-46O	ENSG00000	0	4.14	-2.362	3.35E-41
VIPR1-AS1	ENSG00000	0.04	4.43	-2.384	5.62E-43
RP3-399L1	ENSG00000	0	3.17	-2.06	2.75E-45
RP5-1022J	ENSG00000	0	7.81	-3.139	1.97E-52
OSBPL10-1	ENSG00000	0	14.74	-3.976	3.52E-67
RP11-403M	ENSG00000	0	4.15	-2.365	1.42E-53
XXbac-BPC	ENSG00000	0	7.96	-3.163	5.89E-65
RP11-385M	ENSG00000	0.1	8.31	-3.081	3.12E-52
RSU1P2	ENSG00000	0	7.87	-3.149	9.72E-57
LINC01517	ENSG00000	0.07	7.1	-2.92	9.36E-65
LINC00385	ENSG00000	0	7.27	-3.048	9.41E-49
LINC01431	ENSG00000	0.7	16.939	-3.4	3.51E-70
GOLGA8N	ENSG00000	2.11	28.019	-3.222	2.27E-71
RP4-718D	ENSG00000	0	4.43	-2.441	3.94E-41
LINC00442	ENSG00000	0	20.33	-4.415	1.45E-65
MARK2P9	ENSG00000	0.05	7.07	-2.942	5.36E-73
KIZ-AS1	ENSG00000	0.01	3.3	-2.09	3.10E-53
LINC01022	ENSG00000	0	4.66	-2.501	1.81E-61
YWHAEP1	ENSG00000	0.05	10.8	-3.49	1.96E-72
RP11-382F	ENSG00000	0.31	6.47	-2.512	2.52E-29
RP11-498E	ENSG00000	0.18	44.56	-5.271	1.76E-61
LMLN-AS1	ENSG00000	0.05	4.01	-2.254	2.30E-54

SNX18P2	ENSG00000	0	3.01	-2.004	8.01E-50
SMG7-AS1	ENSG00000	0.27	23.669	-4.28	3.46E-80
RP4-665N2	ENSG00000	0.03	10.54	-3.486	1.80E-69
SEC1P	ENSG00000	0.08	6.59	-2.813	3.98E-70
RP5-11157	ENSG00000	0.11	4.79	-2.383	2.11E-54
PLCE1-AS2	ENSG00000	0	22.11	-4.53	4.99E-69
LINC00342	ENSG00000	3.27	93.118	-4.462	6.76E-106
VPS13A-A1	ENSG00000	0	24.55	-4.675	2.02E-64
RP11-475C	ENSG00000	0.03	5.88	-2.74	1.12E-71
RP5-908M	ENSG00000	0	20.21	-4.407	6.45E-65
RP11-1212	ENSG00000	64.382	306.384	-2.233	5.30E-48
RP11-24P1	ENSG00000	0	6.17	-2.842	6.78E-49
RP5-930J4	ENSG00000	0	3.08	-2.029	3.39E-38
RP11-90C2	ENSG00000	0	3.06	-2.021	5.45E-42
RP11-440C	ENSG00000	0.1	4.06	-2.202	3.57E-50
RP11-375C	ENSG00000	0.01	5.37	-2.657	1.60E-61
HOXB-AS3	ENSG00000	0.48	9.03	-2.761	1.41E-46
VN1R20P	ENSG00000	0.1	3.73	-2.104	2.96E-83
RP11-364E	ENSG00000	0	16.17	-4.102	1.12E-48
UBE2E2-A1	ENSG00000	0	12.21	-3.724	3.54E-75
RP11-863K	ENSG00000	1.36	8.62	-2.027	3.39E-49
RP11-536F	ENSG00000	0	3.32	-2.111	3.74E-45
RP3-468B3	ENSG00000	0.03	24.01	-4.602	3.54E-73
RP11-67L3	ENSG00000	0.43	23.28	-4.086	4.59E-62
LINC00642	ENSG00000	0.01	7.45	-3.065	1.68E-61
LINC00167	ENSG00000	0.04	3.49	-2.11	6.54E-65
NPIP7	ENSG00000	0.4	33.77	-4.634	1.88E-75
LINC00472	ENSG00000	0.11	4.03	-2.18	3.88E-73
RP11-415J	ENSG00000	0	15.82	-4.072	1.97E-68
LINC00264	ENSG00000	0.09	50.422	-5.56	5.85E-76
RP5-1030M	ENSG00000	0	5.73	-2.751	1.29E-54
RP5-875O1	ENSG00000	0.19	17.43	-3.953	2.27E-64
STXBP5-A1	ENSG00000	0.14	11.43	-3.447	7.52E-74
RP11-295C	ENSG00000	3.33	55.001	-3.693	1.78E-68
LINC01518	ENSG00000	0	8.34	-3.223	1.98E-79
RP3-486I3	ENSG00000	0.93	10.2	-2.537	2.84E-70
LINC00690	ENSG00000	0	7.44	-3.077	1.41E-62
RP4-665J2	ENSG00000	1.31	12.94	-2.593	6.68E-58
RP11-22M	ENSG00000	0	8.51	-3.249	6.58E-54
RP11-123C	ENSG00000	0	4.12	-2.356	1.88E-46
LINC01251	ENSG00000	0.05	11.15	-3.532	1.12E-81
RP11-295C	ENSG00000	0	7.98	-3.167	7.78E-61
TSPY4	ENSG00000	1.53	36.131	-3.875	8.57E-08
RP4-650F1	ENSG00000	0	17.759	-4.23	2.25E-73
LINC01360	ENSG00000	0	5.63	-2.729	1.73E-36
RP11-823F	ENSG00000	0.02	15.12	-3.982	3.94E-63
PPP1R2P2	ENSG00000	0.07	8.55	-3.158	9.49E-64
PAGE2	ENSG00000	0.89	32.45	-4.146	8.19E-37
RP11-1217	ENSG00000	0	22.59	-4.56	1.73E-67

RP11-168C	ENSG00000	0	15.76	-4.067	3.45E-54
RP11-395L	ENSG00000	0	9.1	-3.336	9.96E-65
RP11-446F	ENSG00000	0	3.1	-2.036	7.04E-44
LINC01191	ENSG00000	0.19	172.792	-7.19	3.12E-72
RP5-94211	ENSG00000	0.11	54.738	-5.65	2.37E-79
RP11-3151	ENSG00000	0.51	17.55	-3.619	1.25E-74
TMEM229	ENSG00000	0.21	5.42	-2.408	2.45E-54
RP11-3531	ENSG00000	0.09	10.58	-3.409	1.91E-64
RP3-325F2	ENSG00000	0	34.859	-5.164	1.31E-62
RP11-157E	ENSG00000	0	36.511	-5.229	2.36E-74
TULP3P1	ENSG00000	0	3.63	-2.211	1.24E-68
RPL36P20	ENSG00000	0	9.85	-3.44	8.29E-69
RP13-16H	ENSG00000	0	18.371	-4.276	2.77E-69
LINC00229	ENSG00000	0	12.92	-3.799	6.39E-59
RP11-52J3	ENSG00000	0	5.43	-2.685	1.30E-54
RP11-3401	ENSG00000	0.09	13.82	-3.765	1.34E-72
RP11-561C	ENSG00000	0.08	34.391	-5.034	3.17E-74
RBM1Y1A1	ENSG00000	0.07	11.47	-3.543	7.04E-62
FGF14-AS1	ENSG00000	0	14.23	-3.929	4.88E-61
SLC16A12	ENSG00000	0	8.73	-3.282	4.99E-52
ERICH3-AS1	ENSG00000	0	3.93	-2.302	4.01E-41
RP11-78H	ENSG00000	0	5.53	-2.707	1.12E-45
LINC01309	ENSG00000	0	5.92	-2.791	1.26E-43
RPSAP9	ENSG00000	1.01	7.49	-2.079	3.36E-69
RP1-149A1	ENSG00000	0	3.43	-2.147	2.02E-47
WDR82P1	ENSG00000	0.1	3.43	-2.01	1.70E-65
PCCA-AS1	ENSG00000	0	8.31	-3.219	4.67E-55
RP11-262F	ENSG00000	0.22	8.61	-2.978	6.85E-37
RP1-92O1	ENSG00000	0.32	5.3	-2.255	7.88E-70
RP11-166E	ENSG00000	3.37	37.049	-3.122	4.83E-70
FAM170B	ENSG00000	0	6.89	-2.98	2.01E-58
RP11-272F	ENSG00000	0.12	3.52	-2.013	2.63E-53
LINC01052	ENSG00000	0	7.15	-3.027	1.83E-55
RFTN1P1	ENSG00000	0	5.42	-2.683	1.08E-54
RP11-526F	ENSG00000	0.01	8.59	-3.247	7.23E-57
SLIT1-AS1	ENSG00000	0	41.781	-5.419	2.21E-65
RP11-547C	ENSG00000	0	13.72	-3.88	8.04E-60
SOX9-AS1	ENSG00000	0.11	9.06	-3.18	3.45E-79
RP11-85O	ENSG00000	0	8.05	-3.178	2.30E-55
GRID1-AS1	ENSG00000	0	12.79	-3.786	2.17E-66
GTF3C2-AS1	ENSG00000	0.57	42.311	-4.786	4.38E-83
RP11-328K	ENSG00000	0	4.84	-2.546	4.02E-63
LINC00700	ENSG00000	0	6.54	-2.915	1.53E-50
RP11-347I	ENSG00000	0	11.57	-3.652	7.42E-60
RP11-272J	ENSG00000	0	8.98	-3.319	5.26E-57
RP11-611I	ENSG00000	0.42	5.33	-2.156	3.38E-98
GAPDHP52	ENSG00000	0.03	5.27	-2.606	7.59E-55
ID2-AS1	ENSG00000	0.12	4.1	-2.187	4.43E-43
SETP9	ENSG00000	0.06	3.31	-2.024	5.13E-50

ZSCAN31	ENSG00000	2.18	34.58	-3.484	2.30E-59
RP3-417L2	ENSG00000	0	24.271	-4.659	1.09E-69
RP11-374F	ENSG00000	0.05	10.33	-3.432	1.08E-56
TMEM30C	ENSG00000	0.07	3.59	-2.101	9.17E-45
LINC01440	ENSG00000	0	6.14	-2.836	1.75E-48
SMIM1	ENSG00000	3.66	54.198	-3.566	1.88E-72
PPP1R3E	ENSG00000	2.94	44.891	-3.542	3.93E-96
LINC01525	ENSG00000	0	5.2	-2.632	1.62E-61
RP11-121F	ENSG00000	0	3.99	-2.319	1.74E-40
FAM83C-A	ENSG00000	0.13	5.08	-2.428	1.15E-49
SMIM2-IT1	ENSG00000	0	7.03	-3.005	4.37E-61
RP11-399E	ENSG00000	0	58.858	-5.903	1.34E-80
LINC00961	ENSG00000	0.3	9.21	-2.973	1.46E-88
RP11-397C	ENSG00000	0	3.62	-2.208	3.52E-41
TOPORS-A	ENSG00000	10.22	46.061	-2.068	1.17E-52
RP5-928E2	ENSG00000	0	4.34	-2.417	2.45E-57
NEURL1-A1	ENSG00000	0	6	-2.807	9.21E-57
UBE2R2-A1	ENSG00000	0.04	4.4	-2.376	2.17E-57
JARID2-AS1	ENSG00000	0.18	62.331	-5.746	4.85E-75
RP4-639F2	ENSG00000	1.41	20.281	-3.142	9.52E-66
HIPK1-AS1	ENSG00000	0.2	7.65	-2.85	4.66E-79
LINC00533	ENSG00000	0	3.39	-2.134	8.71E-59
LINC00494	ENSG00000	0.14	13.28	-3.647	3.68E-55
RNF148	ENSG00000	0.04	60.141	-5.877	4.02E-70
MIR670HG	ENSG00000	0	10.43	-3.515	1.48E-76
LINC00993	ENSG00000	0	5.65	-2.733	3.21E-76
LINC00894	ENSG00000	1.01	13.7	-2.871	2.64E-78
RP11-342M	ENSG00000	0	17.09	-4.177	3.07E-56
RP11-436I1	ENSG00000	0	17.28	-4.192	2.94E-67
RP11-634E	ENSG00000	0.04	3.45	-2.097	2.80E-62
RP11-73M	ENSG00000	0.11	8.13	-3.04	3.99E-94
LINC00837	ENSG00000	0.41	16.959	-3.671	2.05E-52
RP11-338C	ENSG00000	0	6.56	-2.918	4.09E-54
TSPEAR-A1	ENSG00000	0.25	4.22	-2.062	9.61E-50
TM4SF19-1	ENSG00000	0.3	9.25	-2.979	6.52E-80
MACROD2	ENSG00000	0	28.489	-4.882	9.10E-68
LINC01553	ENSG00000	0	9.51	-3.394	3.02E-57
UBOX5-AS1	ENSG00000	0.03	4.01	-2.282	3.24E-58
MORC2-A1	ENSG00000	0.32	56.23	-5.438	9.41E-76
PRRX2-AS1	ENSG00000	0	35.041	-5.172	2.16E-65
LINC00445	ENSG00000	0	11.36	-3.628	3.14E-58
LL22NC03-1	ENSG00000	0	6.78	-2.96	1.57E-47
LINC01069	ENSG00000	0	4.88	-2.556	4.16E-50
MIR7515H1	ENSG00000	0	68.18	-6.112	6.64E-70
SLC25A3P1	ENSG00000	0.27	16.37	-3.774	1.74E-63
Z82214.3	ENSG00000	0	13.44	-3.852	2.44E-95
RP5-1099E	ENSG00000	0	3.78	-2.257	1.56E-45
RP11-340I1	ENSG00000	0	6.15	-2.838	1.25E-61
MRGPRG-1	ENSG00000	0	11.37	-3.629	3.77E-61

LINC01241	ENSG0000I	0	5	-2.585	3.33E-45
RP3-430A1	ENSG0000I	0	12.5	-3.755	5.45E-63
LINC00854	ENSG0000I	1.74	148.137	-5.766	2.02E-68
RP11-307C	ENSG0000I	0	4.62	-2.491	2.59E-51
LINC01134	ENSG0000I	0.24	7.31	-2.745	5.02E-69
TSPY10	ENSG0000I	0.57	19.49	-3.706	1.15E-06
RP11-79M	ENSG0000I	0.07	3.34	-2.02	2.11E-50
RP11-107M	ENSG0000I	0.31	4.64	-2.106	1.02E-49
UBE2L5P	ENSG0000I	0.33	45.402	-5.125	4.31E-81
LINC00608	ENSG0000I	0	45.521	-5.54	4.61E-71
LINC00427	ENSG0000I	0	5.51	-2.703	5.69E-60
KCNMA1-1	ENSG0000I	0.01	3.63	-2.197	4.47E-54
RP11-66A2	ENSG0000I	0	5.95	-2.797	5.66E-58
KLF2P4	ENSG0000I	0.18	4.93	-2.329	7.78E-51
LINC01424	ENSG0000I	0.33	9.06	-2.919	2.62E-70
RP1-125I3	ENSG0000I	0	15.5	-4.044	2.80E-29
RP13-254E	ENSG0000I	0.37	15.93	-3.627	2.98E-53
STARD13-1	ENSG0000I	0.08	35.879	-5.094	4.44E-74
LINC00347	ENSG0000I	0	32.96	-5.086	8.89E-68
RPL23AP24	ENSG0000I	0	5.52	-2.705	1.88E-21
LINC01010	ENSG0000I	0.11	10.69	-3.397	7.09E-39
RP11-478F	ENSG0000I	0	5.84	-2.774	1.55E-47
GAGE12B	ENSG0000I	0	183.915	-7.531	4.06E-28
RP11-168F	ENSG0000I	0	5.21	-2.635	8.40E-47
INTS6-AS1	ENSG0000I	1.45	23.321	-3.311	1.10E-115
RP11-383C	ENSG0000I	0	5.13	-2.616	2.29E-45
RP11-978I	ENSG0000I	0	4.29	-2.403	2.55E-48
RP11-535C	ENSG0000I	0	3.34	-2.118	9.39E-55
LINC00614	ENSG0000I	0.05	15.06	-3.935	6.20E-63
RP11-544F	ENSG0000I	0	12.31	-3.734	2.09E-58
ZEB1-AS1	ENSG0000I	2.11	17.111	-2.542	1.85E-67
NDUFA6-A	ENSG0000I	4.27	51.399	-3.314	2.60E-69
PRMT5-AS	ENSG0000I	0.59	16.36	-3.449	1.18E-81
RP4-669L1	ENSG0000I	21.12	143.419	-2.707	9.68E-35
RP11-415E	ENSG0000I	0.08	8.56	-3.146	5.54E-49
NR2F1-AS1	ENSG0000I	1.36	20.381	-3.179	2.28E-51
ZNF295-A1	ENSG0000I	0.1	34.82	-5.025	4.92E-49
RP11-402F	ENSG0000I	0.11	8.75	-3.135	4.79E-59
LINC00851	ENSG0000I	0	28.509	-4.883	2.95E-68
GS1-124K1	ENSG0000I	3.63	59.821	-3.715	2.04E-69
SYP-AS1	ENSG0000I	0	3.56	-2.189	1.17E-46
RP11-473M	ENSG0000I	0.4	7.3	-2.568	1.04E-21
LINC01304	ENSG0000I	0	40.29	-5.368	1.16E-67
PRSS56	ENSG0000I	0.01	3.25	-2.073	1.84E-42
LINC01522	ENSG0000I	0	5.14	-2.618	1.32E-56
RP11-147C	ENSG0000I	0	32.59	-5.07	2.39E-65
RP11-67L3	ENSG0000I	0	8.57	-3.259	5.44E-57
LINC01351	ENSG0000I	0.24	5.48	-2.386	5.24E-33
RP11-280C	ENSG0000I	0.04	10.02	-3.406	5.14E-60

RP11-206L	ENSG00000	1.63	29.13	-3.518	2.36E-85
LINC01514	ENSG00000	0	4.39	-2.43	3.11E-51
RP11-112L	ENSG00000	0.21	9	-3.047	3.21E-64
RP11-343F	ENSG00000	0.29	22.441	-4.184	1.14E-71
OXCT2P1	ENSG00000	0.46	22.99	-4.038	5.52E-82
RP11-406A	ENSG00000	0	3.53	-2.18	1.21E-46
RP11-690I	ENSG00000	0.36	8.97	-2.874	2.78E-81
ERICH1-AS1	ENSG00000	0.05	15.87	-4.006	5.79E-75
HCG4P3	ENSG00000	0.69	7.17	-2.273	6.19E-47
TEX36-AS1	ENSG00000	0	42.229	-5.434	6.54E-66
RP3-400B1	ENSG00000	0	3.82	-2.269	4.37E-47
RP3-453P2	ENSG00000	0	9.04	-3.328	2.23E-58
RP11-483E	ENSG00000	0	24.939	-4.697	3.61E-75
NFIA-AS1	ENSG00000	0	60.249	-5.937	8.77E-67
RP1-63G5	ENSG00000	0.02	33.941	-5.098	6.30E-68
LINC01430	ENSG00000	0	13.02	-3.809	2.87E-62
RP11-181E	ENSG00000	0	7.26	-3.046	6.48E-50
KCNQ1DN	ENSG00000	0	5.05	-2.597	2.24E-54
RP11-443E	ENSG00000	0.22	6.51	-2.622	6.64E-61
RP11-38C1	ENSG00000	0	10.29	-3.497	2.36E-50
PAGR1	ENSG00000	5.04	54.089	-3.189	1.24E-105
SPATA3-AS1	ENSG00000	0.13	75.792	-6.087	2.42E-68
TSPY6P	ENSG00000	0.9	27.839	-3.924	1.65E-08
GOLGA2P5	ENSG00000	1.79	31.979	-3.563	3.93E-66
LINC01589	ENSG00000	0.06	14.09	-3.831	1.39E-52
RP11-420L	ENSG00000	0	9.5	-3.392	2.21E-58
RP11-252M	ENSG00000	0	12.14	-3.716	2.19E-56
PAXBP1-AS1	ENSG00000	0.39	5.07	-2.127	3.13E-88
MPC1L	ENSG00000	1.11	18.68	-3.221	7.90E-39
RP13-210C	ENSG00000	0	21.591	-4.498	1.07E-64
MYO5BP2	ENSG00000	0	8.71	-3.279	1.29E-56
PAGE2B	ENSG00000	1.06	70.18	-5.111	5.22E-63
HOMER2P2	ENSG00000	0.1	7.25	-2.907	1.17E-38
TBC1D3P1	ENSG00000	0	12.15	-3.717	8.02E-71
SNORD97	ENSG00000	0	3.58	-2.195	1.76E-03
RP11-379K	ENSG00000	0.1	4.36	-2.285	2.17E-62
RP11-400L	ENSG00000	0.06	16.62	-4.055	3.98E-70
RPS17P15	ENSG00000	0	7.57	-3.099	9.83E-56
RP4-584D	ENSG00000	0.1	32.751	-4.939	2.72E-62
RP11-634E	ENSG00000	0	3.24	-2.084	6.67E-49
POM121L7	ENSG00000	0.01	42.291	-5.422	2.08E-79
LINC01210	ENSG00000	0	32.05	-5.047	1.86E-72
MYLK-AS1	ENSG00000	0.9	11.31	-2.696	1.45E-82
LINC00879	ENSG00000	0.25	4.94	-2.249	8.46E-40
RP11-88I2	ENSG00000	1.12	7.67	-2.032	1.75E-27
MEIKIN	ENSG00000	0.22	12.15	-3.43	3.09E-84
MYADML	ENSG00000	0	17.759	-4.23	1.54E-71
RP11-295F	ENSG00000	6.24	45.679	-2.689	2.99E-70
RP11-65N	ENSG00000	0	4.86	-2.551	4.64E-71

RP11-789F	ENSG00000	0	4.91	-2.563	7.60E-50
RP11-446F	ENSG00000	0.11	5.38	-2.523	5.69E-121
IGSF11-AS	ENSG00000	0	30.17	-4.962	3.05E-65
LINC01471	ENSG00000	0	6.24	-2.856	3.85E-67
RP11-169M	ENSG00000	0	7.63	-3.109	4.56E-60
RP11-293A	ENSG00000	0.68	70.35	-5.408	5.27E-75
TEX35	ENSG00000	0.05	152.165	-7.189	9.05E-72
RP1-93H18	ENSG00000	0.06	8.7	-3.194	1.95E-71
SMKR1	ENSG00000	3.88	307.639	-5.983	5.20E-58
RP11-379F	ENSG00000	0.47	14.4	-3.389	3.72E-66
RP11-758F	ENSG00000	0	85.662	-6.437	1.83E-77
RP11-430C	ENSG00000	0.45	4.87	-2.017	1.58E-68
RP11-146E	ENSG00000	0.33	20.21	-3.995	2.60E-100
FAR2P3	ENSG00000	2.28	47.11	-3.875	7.95E-59
TCAM1P	ENSG00000	0.16	30.721	-4.773	2.49E-86
LA16c-306	ENSG00000	0.04	10.59	-3.478	2.28E-76
RP11-206L	ENSG00000	0.34	4.4	-2.011	1.31E-11
SPATA31D	ENSG00000	0	11.37	-3.629	1.98E-61
RN7SL860F	ENSG00000	0	9.18	-3.348	2.39E-35
LRRD1	ENSG00000	0.04	11.37	-3.572	1.58E-60
KRBOX1	ENSG00000	1.48	271.949	-6.782	1.72E-93
PLCXD2-A1	ENSG00000	0	4.71	-2.513	6.76E-53
RP5-1002M	ENSG00000	0	6.16	-2.84	1.94E-47
NSUN6	ENSG00000	5.66	29.691	-2.204	3.86E-81
RP11-639E	ENSG00000	0	32.43	-5.063	2.63E-59
RP11-147I	ENSG00000	0.92	9.6	-2.465	4.21E-50
IQCJ-SCHI	ENSG00000	0	6.44	-2.895	4.78E-50
RP11-768C	ENSG00000	0	15.48	-4.043	1.47E-65
RP11-342M	ENSG00000	0	7.98	-3.167	2.19E-63
LINC01487	ENSG00000	0	11.31	-3.622	6.62E-58
LINC01192	ENSG00000	0	12.72	-3.778	3.45E-57
RP11-545C	ENSG00000	0.45	189.216	-7.035	3.18E-51
LINC00635	ENSG00000	0.01	28	-4.844	1.65E-65
PTPRG-AS1	ENSG00000	2.54	15.55	-2.225	3.14E-62
SSX2	ENSG00000	0.09	27.131	-4.69	2.21E-51
IDS	ENSG00000	0.94	11.15	-2.647	8.42E-47
RP11-6F25	ENSG00000	0	6.93	-2.987	2.40E-56
ZBTB20-AS1	ENSG00000	0.11	60.012	-5.78	2.14E-70
PAQR9-AS	ENSG00000	0.11	4.8	-2.385	1.37E-39
PRICKLE2-1	ENSG00000	0	4.88	-2.556	9.92E-51
RN7SL484F	ENSG00000	0	3.8	-2.263	8.20E-23
INMT	ENSG00000	2.25	17.37	-2.499	3.20E-27
TMEM239	ENSG00000	0.02	17.13	-4.152	4.29E-65
RP11-420J	ENSG00000	0	7.63	-3.109	1.21E-56
SUMO1P1	ENSG00000	2.15	15	-2.345	1.60E-28
FABP5P3	ENSG00000	0.23	6.08	-2.525	5.22E-53
LINC00893	ENSG00000	1.05	26.921	-3.768	7.94E-90
LA16c-3G1	ENSG00000	0.04	4.34	-2.36	2.76E-68
RP11-690C	ENSG00000	0	6.35	-2.878	1.64E-51

RP11-520I	ENSG0000I	0	11.04	-3.59	4.75E-53
TCP10L	ENSG0000I	0.32	257.244	-7.612	2.32E-87
PVRL3-AS1	ENSG0000I	0.23	13.76	-3.585	2.94E-80
STAG3L5P	ENSG0000I	10.78	95.121	-3.029	2.32E-66
NPPA-AS1	ENSG0000I	2.66	42.329	-3.565	2.34E-69
LINC00901	ENSG0000I	0	9.69	-3.418	3.14E-58
RBMV1E	ENSG0000I	0	3.6	-2.202	7.65E-55
GTF2A1L	ENSG0000I	0.13	48.88	-5.464	1.50E-84
RP3-477O	ENSG0000I	0	7.89	-3.152	2.38E-58
LINC01206	ENSG0000I	0.01	18.301	-4.256	1.06E-79
RGAG4	ENSG0000I	1.87	10.51	-2.004	2.79E-27
LINC00882	ENSG0000I	0.56	30.471	-4.334	3.84E-96
GLYCTK-AS1	ENSG0000I	0.26	8.32	-2.887	1.06E-53
SOX2-OT	ENSG0000I	0.49	6.44	-2.32	1.52E-48
ZNF709	ENSG0000I	2.48	20.05	-2.597	4.23E-49
STRC	ENSG0000I	0.19	18.29	-4.019	1.04E-109
RP11-118M	ENSG0000I	0.13	6.4	-2.711	2.25E-69
PLCH1-AS1	ENSG0000I	0	3.52	-2.176	1.82E-50
RP11-446F	ENSG0000I	0	18.47	-4.283	7.41E-72
RP11-556M	ENSG0000I	0.65	9.19	-2.627	2.61E-71
RPS11P6	ENSG0000I	0.16	28.889	-4.687	2.53E-77
FTH1P18	ENSG0000I	0	5.58	-2.718	3.38E-62
RP11-12M	ENSG0000I	0	27.41	-4.828	7.96E-69
RP11-538F	ENSG0000I	0	12.82	-3.789	4.55E-73
RP11-550I	ENSG0000I	0.32	4.96	-2.175	1.61E-72
TUSC7	ENSG0000I	0	15.82	-4.072	3.46E-64
LINC00359	ENSG0000I	0	3.15	-2.053	1.77E-65
FGF14-IT1	ENSG0000I	0.02	6.98	-2.968	1.60E-64
PTPRVP	ENSG0000I	0.15	9.4	-3.177	1.07E-94
RP11-445M	ENSG0000I	0	3.76	-2.251	2.08E-54
NAT6	ENSG0000I	9.03	86.617	-3.127	1.45E-67
WFDC6	ENSG0000I	0.38	48.411	-5.162	1.39E-80
LINC01214	ENSG0000I	0	7.02	-3.004	4.22E-52
UPK3B	ENSG0000I	0.32	4.94	-2.17	4.27E-24
RP11-264K	ENSG0000I	0	4.71	-2.513	1.04E-45
RP11-164C	ENSG0000I	0	6.96	-2.993	4.06E-73
ZNF487	ENSG0000I	2.48	32.981	-3.288	4.01E-63
RP11-307F	ENSG0000I	0	42.379	-5.439	2.02E-71
TIPARP-AS1	ENSG0000I	1.5	59.85	-4.605	4.74E-72
GSTA1	ENSG0000I	3.53	175.593	-5.285	6.96E-44
RGAG1	ENSG0000I	0.3	9	-2.943	1.69E-87
RP11-368M	ENSG0000I	0.63	13.48	-3.151	8.86E-36
RP1-300I2	ENSG0000I	0	5.36	-2.669	1.16E-77
IL12A-AS1	ENSG0000I	0.02	3.43	-2.119	1.54E-47
RN7SL417F	ENSG0000I	0	3.07	-2.025	5.96E-37
MARK2P17	ENSG0000I	0	3.66	-2.22	7.29E-69
GSTA2	ENSG0000I	2.2	36.59	-3.554	1.30E-33
FLNB-AS1	ENSG0000I	0.34	5.42	-2.26	2.94E-64
FOXP1-AS1	ENSG0000I	0	6.61	-2.928	2.92E-53

ZFAND6P1	ENSG00000	0	6.5	-2.907	4.24E-64
GS1-259H	ENSG00000	1.11	195.563	-6.542	4.71E-87
LINC01330	ENSG00000	0	10.86	-3.568	1.26E-47
GMCL1P1	ENSG00000	0	7.56	-3.098	8.38E-70
PKD1P1	ENSG00000	1.38	12.87	-2.543	3.43E-22
PEX5L-AS2	ENSG00000	0	28.47	-4.881	5.10E-59
RP11-734K	ENSG00000	0	6.64	-2.934	7.27E-59
HDAC11-1	ENSG00000	0.08	5.34	-2.553	8.58E-56
RP4-800G7	ENSG00000	1.94	34.329	-3.587	5.30E-105
RP11-14D2	ENSG00000	0	3.57	-2.192	1.39E-49
RAD21L1	ENSG00000	0.22	8.71	-2.993	2.69E-58
HBB	ENSG00000	4.5	51.399	-3.252	2.70E-06
LIFR-AS1	ENSG00000	0.39	4.81	-2.063	6.44E-63
RP11-181C	ENSG00000	0.57	5.65	-2.083	3.03E-56
RP11-320M	ENSG00000	0.01	8.2	-3.187	2.64E-53
LINC01024	ENSG00000	1.52	14.95	-2.662	9.86E-55
RNF139-AS	ENSG00000	1.14	10.56	-2.433	5.49E-105
RP11-10K1	ENSG00000	0.36	6.22	-2.408	7.30E-82
USP2-AS1	ENSG00000	0.88	26.31	-3.861	3.33E-60
RP11-15B1	ENSG00000	0.09	5.15	-2.496	1.84E-75
RP11-367J	ENSG00000	0.13	9.75	-3.25	9.66E-73
NEAT1	ENSG00000	78.302	381.171	-2.269	7.47E-30
RORA-AS1	ENSG00000	0.47	8.62	-2.71	6.31E-52
RP11-712E	ENSG00000	0.73	30.33	-4.179	1.26E-99
GS1-24F42	ENSG00000	0.16	15.5	-3.83	9.22E-60
FLJ21408	ENSG00000	0.39	9.42	-2.906	8.24E-71
RP11-796E	ENSG00000	0.54	8.39	-2.608	2.01E-70
RP11-33B1	ENSG00000	9.69	51.71	-2.302	1.96E-62
LINC01513	ENSG00000	0	4.43	-2.441	1.73E-55
RAB30-AS	ENSG00000	5.38	34.36	-2.47	7.01E-66
RP11-696M	ENSG00000	1.11	10.14	-2.4	1.26E-44
LINC01096	ENSG00000	0.13	38.529	-5.129	6.17E-66
RP11-260E	ENSG00000	0.03	3.29	-2.058	2.41E-59
PRR7-AS1	ENSG00000	0.3	10.41	-3.134	8.38E-64
EXTL3-AS1	ENSG00000	0.39	10.66	-3.068	2.59E-93
LACTB2-AS	ENSG00000	0.33	5.69	-2.331	3.92E-54
RP11-461C	ENSG00000	0.2	17.08	-3.913	5.61E-80
RP11-386H	ENSG00000	0.07	4.74	-2.423	1.91E-65
RP11-1277	ENSG00000	0.54	11.14	-2.979	3.04E-83
LINC00535	ENSG00000	0.2	7.5	-2.824	7.56E-68
RASSF8-AS	ENSG00000	2.15	16.04	-2.436	4.17E-26
H2AFJ	ENSG00000	57.11	744.639	-3.682	3.71E-47
RGMB-AS1	ENSG00000	1.41	90.202	-5.242	7.21E-66
RP11-325M	ENSG00000	0.03	5.42	-2.64	3.42E-78
RP1-179N	ENSG00000	0.52	20.72	-3.837	2.15E-104
RP11-588C	ENSG00000	0	9.43	-3.383	7.65E-60
RP11-727A	ENSG00000	2.51	17.34	-2.385	1.03E-95
RP11-637A	ENSG00000	0.71	9.74	-2.651	3.63E-56
SPTY2D1-1	ENSG00000	0.51	481.135	-8.319	1.65E-83

RP11-1277	ENSG00000	0.58	13.5	-3.198	9.62E-107
RP11-404k	ENSG00000	0	19.22	-4.338	1.07E-52
RP11-103J	ENSG00000	0	6.68	-2.941	1.95E-60
FOXD1-AS	ENSG00000	0.54	8.37	-2.605	9.14E-34
NRAV	ENSG00000	2.58	60.459	-4.102	2.39E-67
INSL3	ENSG00000	1.26	203.487	-6.5	1.11E-38
SLIT2-IT1	ENSG00000	0	35.941	-5.207	2.27E-67
LINC00616	ENSG00000	0	11.65	-3.661	2.13E-60
MEF2C-AS	ENSG00000	0.57	6.84	-2.32	3.31E-77
RP11-366f	ENSG00000	0	4.04	-2.333	4.46E-81
RP11-313E	ENSG00000	0.17	13.53	-3.634	1.05E-47
RP11-503f	ENSG00000	0	21.47	-4.49	4.82E-67
KB-1269D	ENSG00000	0.1	5.44	-2.55	2.52E-60
SEMA6A-7	ENSG00000	1.87	11.99	-2.178	5.87E-67
RP11-517E	ENSG00000	0.13	14	-3.731	3.30E-69
POU5F2	ENSG00000	0.05	17.179	-4.114	6.19E-73
MTATP6P1	ENSG00000	600.782	2412.31	-2.004	3.94E-28
RP11-201f	ENSG00000	0	7.06	-3.011	6.07E-56
LINC01339	ENSG00000	0	7.68	-3.118	1.92E-50
RP11-844F	ENSG00000	0.33	113.354	-6.426	9.60E-142
RP11-158f	ENSG00000	0	8.74	-3.284	3.46E-52
RP11-557J	ENSG00000	0	9.56	-3.401	5.10E-60
RP11-495k	ENSG00000	0.05	8.58	-3.19	3.92E-60
RP11-292c	ENSG00000	0	3.46	-2.157	2.95E-53
WI2-2373f	ENSG00000	0	30.83	-4.992	7.17E-71
RP11-974F	ENSG00000	0.16	37.229	-5.042	3.01E-71
LINC01095	ENSG00000	0	24.35	-4.664	1.38E-69
RP11-412F	ENSG00000	0.3	6.67	-2.561	2.22E-28
FLJ46284	ENSG00000	0.05	6.79	-2.891	3.65E-64
RP11-344c	ENSG00000	0	3.45	-2.154	1.35E-49
RP11-58B2	ENSG00000	0	3.37	-2.128	5.05E-64
PCNAP1	ENSG00000	0	6.13	-2.834	8.63E-60
ZNF436-A9	ENSG00000	1.59	16.39	-2.747	8.14E-84
EPPIN-WFf	ENSG00000	0.08	23.789	-4.521	7.57E-76
RP11-423f	ENSG00000	0	8.08	-3.183	8.18E-60
RP11-669f	ENSG00000	0.16	6.74	-2.738	7.40E-60
RP11-428L	ENSG00000	0	5.44	-2.687	3.16E-44
LINC01088	ENSG00000	0.43	8.7	-2.762	2.54E-62
LINC01333	ENSG00000	0	9.63	-3.41	4.79E-48
LINC01016	ENSG00000	0.13	138.131	-6.944	1.75E-80
RP11-434c	ENSG00000	0.03	5.26	-2.603	6.46E-83
RP1-27K12	ENSG00000	0.06	10.9	-3.489	9.26E-63
RP11-340f	ENSG00000	0	22.389	-4.548	2.70E-61
RP11-492c	ENSG00000	0	26.489	-4.781	3.94E-64
RP11-171f	ENSG00000	0	7.82	-3.141	4.93E-46
SPATS1	ENSG00000	0.23	25.251	-4.416	7.00E-58
RP11-496f	ENSG00000	0.84	11.48	-2.762	4.83E-64
RP11-281F	ENSG00000	0	16.62	-4.139	3.55E-52
RP11-565f	ENSG00000	0	3.24	-2.084	7.21E-56

MIR143HG	ENSG00000	0.25	4.27	-2.076	9.12E-25
RP11-279C	ENSG00000	0.44	6.7	-2.419	1.12E-69
RP11-423F	ENSG00000	1	14.39	-2.944	2.20E-71
THEGL	ENSG00000	0.07	5.92	-2.693	3.00E-57
SRD5A3-A	ENSG00000	1.41	27.851	-3.582	1.87E-61
FER1L5	ENSG00000	0.03	14.59	-3.92	4.51E-73
RP11-79C6	ENSG00000	0	10.88	-3.57	2.20E-61
RP11-346J	ENSG00000	0	4.29	-2.403	2.14E-54
LINC01377	ENSG00000	0	15.27	-4.024	4.28E-59
LINC00964	ENSG00000	0.13	39.311	-5.157	2.89E-69
RP11-73G1	ENSG00000	0	20.941	-4.456	6.19E-55
RP11-420C	ENSG00000	0	3.95	-2.307	4.06E-60
RP11-983C	ENSG00000	0	10.57	-3.532	9.53E-62
RP11-665I	ENSG00000	0	3.63	-2.211	7.37E-49
RP11-495K	ENSG00000	0.02	6.09	-2.797	1.19E-46
GOLGA8K	ENSG00000	0.2	10.03	-3.2	2.74E-83
RP11-563E	ENSG00000	0.1	6.24	-2.719	1.69E-42
SLC7A11-1	ENSG00000	0.1	10.79	-3.422	3.41E-67
RP11-180C	ENSG00000	0.09	4.4	-2.309	7.02E-42
RP11-778J	ENSG00000	0	10.89	-3.572	1.86E-56
YJEFN3	ENSG00000	4.96	63.249	-3.43	1.11E-66
RP11-577C	ENSG00000	0	5.16	-2.623	3.09E-52
RP13-401M	ENSG00000	0.89	16.7	-3.227	1.13E-54
RP11-417F	ENSG00000	0.03	5.91	-2.746	7.05E-62
RP4-622L5	ENSG00000	0	16.89	-4.161	3.59E-54
RP11-848C	ENSG00000	1.01	14.43	-2.94	4.32E-58
RP11-700M	ENSG00000	0.05	10.32	-3.43	7.64E-83
RP11-480C	ENSG00000	0	5.76	-2.757	1.20E-54
KIAA1210	ENSG00000	0.03	25.84	-4.704	2.17E-104
RP11-834C	ENSG00000	0.14	34.76	-4.971	2.56E-70
WBP1LP2	ENSG00000	0.24	4.27	-2.087	1.15E-70
RP4-669L1	ENSG00000	10.16	78.08	-2.825	1.29E-35
SMAD1-A9	ENSG00000	0	20.32	-4.414	2.91E-60
LINC01511	ENSG00000	0.06	7.69	-3.035	3.68E-61
RP11-565A	ENSG00000	0.29	5.35	-2.299	4.32E-43
ROPN1L-A	ENSG00000	0	11.5	-3.644	4.83E-55
RP11-597L	ENSG00000	0	189.059	-7.57	2.97E-77
RP11-756F	ENSG00000	0.07	6.43	-2.796	4.60E-67
XXbac-BPC	ENSG00000	0	3.8	-2.263	6.53E-49
LINC01596	ENSG00000	0	16.829	-4.156	7.75E-60
RP11-486L	ENSG00000	0.07	9.06	-3.233	2.79E-78
RP11-161L	ENSG00000	0	6.61	-2.928	1.39E-46
RP11-322M	ENSG00000	0	174.078	-7.452	8.10E-75
NT5C1B-R	ENSG00000	0	18.97	-4.32	2.93E-65
RP11-834C	ENSG00000	1.68	26.7	-3.37	2.91E-27
RP11-386E	ENSG00000	0	6.58	-2.922	6.78E-55
LINC01365	ENSG00000	0	3.72	-2.239	5.55E-50
RP11-91H9	ENSG00000	0	10	-3.459	2.05E-57
RP11-11N9	ENSG00000	0	3.15	-2.053	4.00E-59

RP11-663F	ENSG00000	0	4.11	-2.353	1.58E-58
RP11-133E	ENSG00000	0	8.95	-3.315	8.05E-55
LNX1-AS1	ENSG00000	0	12.68	-3.774	2.21E-55
RP11-392E	ENSG00000	0.11	15.51	-3.895	2.21E-76
HMMR-AS	ENSG00000	0	3.93	-2.302	7.27E-48
RP11-535C	ENSG00000	0	9.37	-3.374	6.49E-58
RP11-100M	ENSG00000	0	4.13	-2.359	6.50E-45
RP11-115C	ENSG00000	0.38	5.21	-2.17	4.17E-39
RP11-419C	ENSG00000	0	4.24	-2.39	2.93E-65
SEPT14P4	ENSG00000	0	3.28	-2.098	9.28E-22
RP11-98J2	ENSG00000	0.07	26.53	-4.685	1.33E-66
F11-AS1	ENSG00000	0.14	25.04	-4.514	7.55E-60
RP11-45L9	ENSG00000	0	10.83	-3.564	5.37E-62
LINC01337	ENSG00000	0.1	8.05	-3.04	5.77E-77
ZNF345	ENSG00000	3.22	33.219	-3.02	6.43E-69
RP11-73G1	ENSG00000	0	32.529	-5.067	7.95E-67
RP11-171M	ENSG00000	0	5.01	-2.587	3.23E-46
RP11-506F	ENSG00000	0.08	3.59	-2.087	5.59E-51
RP11-506M	ENSG00000	0	3.59	-2.199	1.72E-48
RP11-328M	ENSG00000	0	24.729	-4.685	5.24E-75
RP11-420A	ENSG00000	0.45	5.25	-2.108	7.39E-94
RP11-483A	ENSG00000	0	4.28	-2.4	3.11E-33
FOXD1	ENSG00000	0.68	6.33	-2.125	1.24E-34
RP11-197M	ENSG00000	0.01	5.23	-2.625	4.25E-55
RP11-572C	ENSG00000	0.06	5.34	-2.58	3.08E-59
RP11-798K	ENSG00000	0	11.68	-3.664	6.90E-59
MALAT1	ENSG00000	21.14	160.574	-2.867	5.47E-52
RP11-724C	ENSG00000	0.12	8.14	-3.029	7.04E-57
RP11-6N1K	ENSG00000	0.04	14.64	-3.911	6.22E-62
RP11-774C	ENSG00000	0.08	3.8	-2.152	2.94E-47
RP11-128C	ENSG00000	0.23	4.75	-2.225	3.07E-54
RP11-600L	ENSG00000	0	4.98	-2.58	4.47E-50
RP11-318M	ENSG00000	0	8.14	-3.192	8.28E-54
RP11-614F	ENSG00000	0.9	40.74	-4.457	4.86E-53
RNA5SP21	ENSG00000	0	5.6	-2.722	3.11E-04
SCARNA13	ENSG00000	1.07	8.17	-2.147	1.34E-60
RP11-219J	ENSG00000	0	25.27	-4.715	1.17E-67
RP11-17A2	ENSG00000	0	6.65	-2.935	3.54E-58
RP11-369E	ENSG00000	0	13.71	-3.879	1.28E-61
RP11-863K	ENSG00000	0	16.44	-4.124	1.07E-62
RP11-421F	ENSG00000	0	8.69	-3.276	1.09E-59
RP11-809C	ENSG00000	1.05	7.52	-2.055	3.39E-49
RP11-716C	ENSG00000	0	5.67	-2.738	2.29E-55
RP11-779C	ENSG00000	0	13.17	-3.825	3.60E-66
LINC01606	ENSG00000	0.12	88.818	-6.325	2.61E-90
LINC00293	ENSG00000	0	10.49	-3.522	1.29E-54
RP11-261C	ENSG00000	1.95	32.599	-3.51	8.22E-46
RP11-738C	ENSG00000	0	12.6	-3.766	1.27E-47
EVX1-AS	ENSG00000	0.79	7.21	-2.197	5.16E-17

RP11-231C	ENSG00000	0.07	79.39	-6.231	7.90E-80
RP11-619L	ENSG00000	0	26.17	-4.764	9.63E-63
RP11-770E	ENSG00000	0	14.18	-3.924	6.25E-70
RP11-697E	ENSG00000	0	16.79	-4.153	6.80E-69
LINC01603	ENSG00000	0	7.12	-3.021	8.21E-56
RP11-114C	ENSG00000	0	3.1	-2.036	4.70E-29
NACA2	ENSG00000	1.43	76.622	-4.997	8.66E-65
SEPT10P1	ENSG00000	0.05	8.75	-3.215	2.92E-64
RP11-26M	ENSG00000	0	4.33	-2.414	2.63E-54
HOXA-AS2	ENSG00000	0.57	11.74	-3.021	3.04E-34
RP11-108C	ENSG00000	0	30.41	-4.973	6.51E-67
RP11-100L	ENSG00000	0	4.83	-2.543	5.50E-54
RP11-536M	ENSG00000	0	16.781	-4.152	1.49E-63
RP11-587F	ENSG00000	0	4.04	-2.333	6.71E-61
LINCR-000	ENSG00000	0.17	4.66	-2.274	1.22E-44
RP11-317M	ENSG00000	0.07	6.01	-2.712	5.63E-72
RP11-561E	ENSG00000	0	37.439	-5.264	1.10E-67
PRSS51	ENSG00000	0.14	4.67	-2.314	8.18E-29
RP11-981C	ENSG00000	0	29.331	-4.923	3.27E-64
KB-1410C	ENSG00000	0	17.421	-4.203	1.05E-76
RP11-177F	ENSG00000	0.1	11.11	-3.461	5.78E-70
RP11-787C	ENSG00000	0	7.77	-3.133	1.08E-54
KB-1083B1	ENSG00000	0	18.23	-4.265	1.78E-62
RP11-404L	ENSG00000	0	25.56	-4.731	2.44E-65
LINC01030	ENSG00000	0.03	4.26	-2.352	7.89E-61
RP11-141E	ENSG00000	5.98	64.239	-3.224	3.04E-58
RP11-705C	ENSG00000	0	3.15	-2.053	1.57E-48
RP11-386C	ENSG00000	0	5.89	-2.784	5.16E-55
FER1L6-AS	ENSG00000	0.02	3.7	-2.204	5.11E-67
RP11-347C	ENSG00000	0.71	6.43	-2.119	2.40E-74
RP11-10A1	ENSG00000	0	4.4	-2.433	1.55E-52
IGHVII-44-	ENSG00000	0	7.74	-3.128	1.27E-33
RP11-410L	ENSG00000	1.45	18.46	-2.99	6.11E-73
RP11-4K1E	ENSG00000	0	11.48	-3.642	1.06E-63
NRG1-IT1	ENSG00000	0.21	29.889	-4.674	2.44E-66
RP11-363E	ENSG00000	0.32	68.171	-5.712	9.72E-72
RP11-369E	ENSG00000	0	13.52	-3.86	2.35E-62
RP11-150C	ENSG00000	0.04	7.48	-3.027	1.69E-78
RP11-705C	ENSG00000	0	54.871	-5.804	9.56E-70
RP11-99H	ENSG00000	0	4.31	-2.409	1.27E-47
RP11-787C	ENSG00000	0	5.37	-2.671	3.55E-55
KB-1043D	ENSG00000	0	5.66	-2.736	1.91E-54
RP11-115J	ENSG00000	0.04	10.54	-3.472	5.06E-72
RP11-108C	ENSG00000	0	6.33	-2.874	4.22E-50
RP11-17A	ENSG00000	0.01	5.07	-2.587	7.96E-66
RP11-58O	ENSG00000	0	10.34	-3.503	1.24E-49
RP11-24P4	ENSG00000	0	5.03	-2.592	1.02E-60
RP11-10A1	ENSG00000	0.36	28.58	-4.443	6.94E-52
RP11-628E	ENSG00000	0	9.59	-3.405	5.31E-61

RP11-343F	ENSG00000	0	3.12	-2.043	2.45E-50
RP11-677I	ENSG00000	0.1	8.72	-3.143	1.27E-72
RP11-560C	ENSG00000	0	12.89	-3.796	2.14E-60
RP11-755F	ENSG00000	0.55	29.97	-4.321	2.36E-87
RP11-380C	ENSG00000	0.53	7.48	-2.47	4.40E-63
FBXO3-AS1	ENSG00000	0	13.35	-3.843	5.27E-69
RP11-958J	ENSG00000	0	14.97	-3.997	2.28E-48
LINC01493	ENSG00000	0	3.2	-2.07	5.48E-48
RP1-17K7.2	ENSG00000	0	30.93	-4.997	3.78E-71
RP11-395C	ENSG00000	0.87	6.76	-2.053	1.27E-40
RP11-354A	ENSG00000	0.09	5.97	-2.677	6.97E-80
RP11-141E	ENSG00000	0.89	13.88	-2.977	3.75E-48
RP11-680E	ENSG00000	0.02	3.14	-2.021	4.00E-43
RP11-496I	ENSG00000	1.37	37.17	-4.009	1.15E-76
RP11-109E	ENSG00000	0	30.06	-4.957	1.36E-65
RP1-17K7.3	ENSG00000	0	12.44	-3.748	1.54E-60
RP11-574M	ENSG00000	0.92	14.63	-3.025	2.79E-44
NPIPA2	ENSG00000	0.22	4.15	-2.078	1.13E-31
RP11-867C	ENSG00000	0.14	23.18	-4.407	3.51E-93
RP11-831A	ENSG00000	0	18.301	-4.271	4.44E-63
SCARNA9	ENSG00000	0.58	6.57	-2.26	4.25E-68
RP11-677M	ENSG00000	0.46	4.85	-2.002	3.18E-64
KIRREL3-AS1	ENSG00000	0	26.711	-4.792	5.58E-70
KRTAP5-9	ENSG00000	0.09	4.2	-2.254	5.36E-66
RP11-23J9	ENSG00000	0.3	9.17	-2.968	1.12E-102
RP11-347H	ENSG00000	3.66	58.989	-3.686	3.55E-47
RP11-712L	ENSG00000	0.54	8.62	-2.643	2.15E-45
ZFP91-CN1	ENSG00000	0	3.61	-2.205	1.38E-46
RP11-495C	ENSG00000	0	3.82	-2.269	1.79E-43
ZNF286A	ENSG00000	0.11	19.91	-4.236	1.06E-77
RP5-1027C	ENSG00000	0	4.76	-2.526	4.02E-49
OVOL1-AS1	ENSG00000	0	9.53	-3.396	2.51E-59
RP11-646J	ENSG00000	0	3.49	-2.167	1.03E-52
STX17-AS1	ENSG00000	0.76	6.17	-2.026	3.73E-41
TOLLIP-AS1	ENSG00000	0.5	7.27	-2.463	8.92E-113
RP11-318C	ENSG00000	0	5.24	-2.642	3.90E-50
RP11-670M	ENSG00000	0	5.14	-2.618	3.63E-51
RP11-166I	ENSG00000	1.5	14.78	-2.658	1.60E-19
TCEB2P2	ENSG00000	1.36	26.359	-3.535	2.81E-54
RP11-702F	ENSG00000	0	7.66	-3.114	4.96E-65
RP11-375I	ENSG00000	0	7.16	-3.029	4.82E-53
WTAPP1	ENSG00000	0.1	4.04	-2.196	1.46E-43
RP11-1082	ENSG00000	0	3.69	-2.23	1.71E-54
LINC01495	ENSG00000	0	3.43	-2.147	4.71E-46
RP11-201M	ENSG00000	0	10.53	-3.527	1.86E-60
RP11-358H	ENSG00000	0	21.13	-4.468	8.29E-59
RP11-469M	ENSG00000	0	3.36	-2.124	9.39E-59
NOX5	ENSG00000	0.08	6.83	-2.858	5.41E-96
RP11-539C	ENSG00000	0.69	39.401	-4.579	2.05E-93

SEPT14P8	ENSG00000	0.14	5.36	-2.48	2.84E-03
RP11-535A	ENSG00000	0.11	38.759	-5.163	4.62E-75
NPIP8	ENSG00000	0.31	18.6	-3.903	5.61E-82
NEDD8-M	ENSG00000	1.19	11.61	-2.526	8.59E-42
RP11-168K	ENSG00000	0	4.27	-2.398	1.25E-47
RP11-810F	ENSG00000	0	3.81	-2.266	6.47E-52
RP11-6B1C	ENSG00000	0	3.3	-2.104	2.87E-38
LINC00925	ENSG00000	0.85	39.601	-4.456	3.28E-61
RP11-273E	ENSG00000	0.4	6.61	-2.442	2.39E-39
RP11-188C	ENSG00000	0.19	6.98	-2.745	1.90E-87
RP11-502M	ENSG00000	0	62.361	-5.986	3.75E-74
FAM222A-	ENSG00000	0	13.38	-3.846	2.74E-66
RP11-867C	ENSG00000	0	5.31	-2.658	1.91E-34
RP11-711K	ENSG00000	0	7.06	-3.011	2.09E-56
RP11-407A	ENSG00000	0	7.69	-3.119	6.86E-63
RP11-728C	ENSG00000	0.26	5.43	-2.351	6.71E-39
RP11-526F	ENSG00000	0	11.85	-3.684	5.02E-55
RP13-942M	ENSG00000	2.55	21.23	-2.647	4.61E-57
RP11-319E	ENSG00000	0.06	19.05	-4.241	1.41E-62
RP11-778F	ENSG00000	0	21.22	-4.474	3.98E-61
LINC00944	ENSG00000	0.12	31.36	-4.853	9.26E-70
RP11-504C	ENSG00000	0.19	13.44	-3.601	1.23E-72
RP3-446N	ENSG00000	0	4.82	-2.541	1.92E-56
RP11-106C	ENSG00000	0.14	8.14	-3.003	2.11E-35
RP11-705C	ENSG00000	0.1	56.539	-5.709	2.37E-67
RP13-653M	ENSG00000	0	10.05	-3.466	4.91E-62
LINC01486	ENSG00000	0	14.43	-3.948	7.44E-66
RP11-522M	ENSG00000	0.04	3.4	-2.081	4.45E-51
RP11-49K4	ENSG00000	0	3.03	-2.011	1.78E-36
RP11-727F	ENSG00000	1.33	9.46	-2.166	2.17E-56
RP11-669M	ENSG00000	0	3.69	-2.23	6.75E-47
RP11-407A	ENSG00000	0	31.919	-5.041	4.76E-67
RP13-941M	ENSG00000	0.52	16.35	-3.513	4.69E-58
RP11-3L23	ENSG00000	0	23.079	-4.59	2.61E-64
RP11-7M8	ENSG00000	0	4	-2.322	1.92E-52
RP11-664C	ENSG00000	0.07	20.68	-4.341	6.83E-56
RP13-81N	ENSG00000	0	11.91	-3.69	1.43E-57
RP11-474C	ENSG00000	0	6.57	-2.92	5.89E-62
RP11-783K	ENSG00000	1.46	40.229	-4.067	1.80E-58
RP11-881M	ENSG00000	0	19.401	-4.351	1.01E-67
RP11-268F	ENSG00000	0.22	6.57	-2.633	2.06E-47
RP11-783K	ENSG00000	0.37	750.183	-9.099	1.09E-81
RP11-123C	ENSG00000	0	5	-2.585	1.79E-48
RP11-783K	ENSG00000	1.15	25.47	-3.622	5.31E-88
RP11-554C	ENSG00000	0	4.05	-2.336	5.30E-54
RP11-320M	ENSG00000	0.48	5.52	-2.139	3.64E-60
TMPO-AS1	ENSG00000	3.01	21.55	-2.492	3.33E-37
FAM205BP	ENSG00000	0	10.83	-3.564	4.58E-61
RP11-669E	ENSG00000	0	3.45	-2.154	2.52E-62

RP11-983F ENSG00000	2.44	15.07	-2.224	1.60E-43
RP11-762I ENSG00000	1.77	15.44	-2.569	1.68E-46
RP11-310I ENSG00000	0	3.19	-2.067	1.28E-44
RP11-121C ENSG00000	0	6.87	-2.976	1.09E-53
RP11-175F ENSG00000	0.36	4.88	-2.112	6.08E-61
RP11-101E ENSG00000	0.01	5.72	-2.734	2.52E-92
RP11-486A ENSG00000	0.81	8.12	-2.333	1.31E-35
NPIPBP1 ENSG00000	0.03	17.859	-4.195	2.31E-64
RP11-755C ENSG00000	0	11.81	-3.679	1.90E-59
OR7E47P ENSG00000	1.02	10.25	-2.477	2.97E-47
OVCH1-AS1 ENSG00000	0.75	16.49	-3.321	3.07E-39
RP11-100F ENSG00000	0	9.2	-3.351	7.12E-53
RP11-384J ENSG00000	0.04	7.87	-3.092	4.82E-52
LINC01481 ENSG00000	0.37	9.28	-2.908	2.59E-66
RP11-175F ENSG00000	0	4.34	-2.417	7.83E-53
RP11-620J ENSG00000	14.78	296.584	-4.237	5.91E-76
RP11-482I ENSG00000	0.16	20.629	-4.221	1.17E-76
RP11-396F ENSG00000	0.65	9.06	-2.608	6.18E-39
LINC01490 ENSG00000	0	5.82	-2.77	1.86E-52
MGAM2 ENSG00000	0.05	3.26	-2.02	4.77E-32
RP11-966I ENSG00000	0	5.03	-2.592	2.51E-52
RP11-474L ENSG00000	0.05	9.06	-3.26	3.86E-63
RP11-70F1 ENSG00000	0	22.841	-4.575	1.88E-62
RP11-630C ENSG00000	0	45.559	-5.541	3.28E-63
RP11-552I ENSG00000	0	11.71	-3.668	1.50E-58
RP1-90J4.1 ENSG00000	0	14.39	-3.944	6.93E-81
RP11-167M ENSG00000	0	5.88	-2.782	6.22E-51
LINC00935 ENSG00000	0.83	31.471	-4.149	3.67E-41
RP11-100F ENSG00000	0	8.18	-3.199	9.24E-52
RP11-543F ENSG00000	0	4.84	-2.546	1.34E-44
RP11-781A ENSG00000	0.1	11.69	-3.528	2.05E-58
RP11-328C ENSG00000	0	4.61	-2.488	5.62E-49
RP11-474F ENSG00000	0.04	5.93	-2.736	1.38E-63
RP11-89K2 ENSG00000	0	5.17	-2.625	3.53E-51
RP11-347C ENSG00000	0.84	57.071	-4.98	3.97E-63
RP11-70F1 ENSG00000	0	10.95	-3.579	1.21E-57
RP11-864J ENSG00000	0.13	4.28	-2.224	3.21E-57
RP11-345J ENSG00000	0.42	4.96	-2.069	1.65E-31
RP11-977C ENSG00000	1.42	9.86	-2.166	2.13E-57
RP11-38F2 ENSG00000	0	6.96	-2.993	1.88E-58
PRSS58 ENSG00000	0	30.67	-4.985	5.88E-61
RP11-162M ENSG00000	0	7.07	-3.013	8.59E-39
RP11-219E ENSG00000	0.56	11.41	-2.992	5.01E-37
LINC00592 ENSG00000	0	4.49	-2.457	2.27E-56
TESC-AS1 ENSG00000	0	7.76	-3.131	7.82E-62
RP11-536C ENSG00000	0.07	5.35	-2.569	3.83E-51
RP11-107C ENSG00000	0	5.52	-2.705	1.03E-75
RP11-300J ENSG00000	0	3.27	-2.094	6.84E-43
RP11-665C ENSG00000	0	17.34	-4.197	2.41E-50

RP11-486C	ENSG00000	0	5.39	-2.676	7.40E-52
RP11-452I	ENSG00000	0	3.41	-2.141	1.80E-43
RP11-164J	ENSG00000	1.07	12.25	-2.678	3.15E-94
RP11-388E	ENSG00000	0	3.67	-2.223	1.67E-46
RP11-76E1	ENSG00000	0.03	6.84	-2.928	6.42E-63
SPESP1	ENSG00000	6.13	56.219	-3.005	2.56E-44
RP11-99L1	ENSG00000	0	3.51	-2.173	9.26E-47
RP11-783L	ENSG00000	0	4.54	-2.47	3.26E-47
RP11-185F	ENSG00000	0	3.67	-2.223	2.12E-51
RP11-829F	ENSG00000	0.15	7.55	-2.894	5.13E-44
RP11-111F	ENSG00000	0.12	10.6	-3.373	1.37E-59
RP11-753I	ENSG00000	0	4.22	-2.384	6.40E-45
RP11-14J7	ENSG00000	0.01	6.47	-2.887	4.12E-54
LINC01500	ENSG00000	0	10.87	-3.569	1.17E-62
FAM181A-	ENSG00000	0	16.27	-4.11	1.62E-60
NBEAP1	ENSG00000	0.12	4.67	-2.34	8.06E-38
RP11-219E	ENSG00000	0	18.52	-4.287	3.30E-52
LINC00930	ENSG00000	0.05	84.401	-6.346	7.20E-82
RP11-509F	ENSG00000	0.21	5.05	-2.322	1.16E-53
RP11-386M	ENSG00000	0.02	6.11	-2.801	8.92E-67
LINC01193	ENSG00000	0	17.81	-4.233	3.34E-67
RP11-661C	ENSG00000	0	5.35	-2.667	9.46E-54
PRC1-AS1	ENSG00000	0.15	33.219	-4.895	1.04E-67
RP11-547I	ENSG00000	0.06	10.52	-3.442	5.94E-58
RP11-603E	ENSG00000	2.27	28.13	-3.155	1.47E-48
RP11-112J	ENSG00000	0.17	4.56	-2.249	3.66E-66
RP11-73E1	ENSG00000	0.46	9.9	-2.9	9.99E-60
RP11-862C	ENSG00000	0	11.17	-3.605	7.87E-63
RP11-163M	ENSG00000	0	10.19	-3.484	2.82E-55
LINC01579	ENSG00000	0.77	10.07	-2.645	4.80E-46
LINC01568	ENSG00000	0	4.78	-2.531	1.48E-42
LINC01580	ENSG00000	0.11	3.52	-2.026	8.25E-46
RP11-561E	ENSG00000	0.33	5.99	-2.394	1.63E-70
RNASE4	ENSG00000	1.8	12.63	-2.283	5.68E-19
RP11-300J	ENSG00000	0	3.39	-2.134	9.64E-52
RP11-123K	ENSG00000	0.17	4.43	-2.214	6.21E-52
MC1R	ENSG00000	3.61	37.519	-3.063	1.33E-80
RP11-286C	ENSG00000	0	33.18	-5.095	2.15E-60
RP11-232C	ENSG00000	0	26.729	-4.793	2.70E-50
RP5-1021I	ENSG00000	0.01	9.27	-3.346	5.16E-60
RP11-164C	ENSG00000	0	3.41	-2.141	6.46E-48
RP11-463J	ENSG00000	0	8.21	-3.203	2.64E-66
RP11-857E	ENSG00000	0.11	14.31	-3.786	5.69E-80
RP11-363J	ENSG00000	0.2	9.46	-3.124	6.21E-70
RP11-1017	ENSG00000	0.53	7.85	-2.532	3.48E-55
LINC01467	ENSG00000	0.02	7	-2.971	5.08E-55
TSPY1	ENSG00000	0.4	9.92	-2.963	5.07E-06
RP11-2C7	ENSG00000	0	4.6	-2.485	1.48E-53
RNASE11	ENSG00000	0	12.84	-3.791	1.58E-59

RP11-371E	ENSG00000	0	4.45	-2.446	7.72E-26
RP11-168L	ENSG00000	0	29.539	-4.933	1.90E-65
RP11-603E	ENSG00000	0.47	5.08	-2.048	3.15E-47
LINC00911	ENSG00000	0	6.74	-2.952	2.72E-59
RP11-973M	ENSG00000	0.05	8.32	-3.15	4.10E-74
RP11-840I	ENSG00000	0.08	7.18	-2.921	3.39E-66
SMIM6	ENSG00000	0.12	33.681	-4.953	1.78E-54
RP1-261D	ENSG00000	0.53	8.71	-2.666	8.51E-65
LINC00929	ENSG00000	0	27.729	-4.844	2.49E-55
RP11-107E	ENSG00000	0.02	10.48	-3.492	1.17E-55
RP11-763K	ENSG00000	0	8.1	-3.186	2.30E-62
RP11-69H	ENSG00000	0	61.341	-5.962	3.30E-72
RP11-810K	ENSG00000	0	39.45	-5.338	3.22E-79
SLC35G6	ENSG00000	0.02	6.2	-2.819	1.96E-62
RP11-182J	ENSG00000	1.32	9.46	-2.173	8.13E-40
RP11-684E	ENSG00000	0	22.27	-4.54	1.39E-70
USP3-AS1	ENSG00000	1.07	26.199	-3.716	2.03E-72
RP11-643M	ENSG00000	0.05	4.34	-2.346	5.71E-75
RP11-624L	ENSG00000	0	7.61	-3.106	3.22E-48
LINGO1-AS	ENSG00000	0	12.59	-3.764	5.53E-64
SPATA8-AS	ENSG00000	0	7.53	-3.093	8.51E-59
PAK6	ENSG00000	1.64	13.73	-2.48	1.31E-48
RP11-687M	ENSG00000	0	3.93	-2.302	4.47E-45
RP11-183E	ENSG00000	0	3.06	-2.021	4.67E-46
OR11K1P	ENSG00000	0	6.72	-2.949	1.83E-58
RP11-798K	ENSG00000	0.14	3.7	-2.044	9.21E-39
RP11-15E1	ENSG00000	0.31	4.51	-2.072	2.29E-46
LINC00927	ENSG00000	0	56.308	-5.841	5.60E-73
RP11-605F	ENSG00000	0.06	4.15	-2.281	9.88E-71
RP11-27M	ENSG00000	0	5.17	-2.625	3.76E-47
RP11-566K	ENSG00000	0.11	54.071	-5.633	4.92E-72
THTPA	ENSG00000	4.58	29.311	-2.441	1.29E-54
RP11-462F	ENSG00000	0	10.83	-3.564	7.71E-57
RORA-AS2	ENSG00000	0	7.66	-3.114	1.07E-56
UBE2Q2L	ENSG00000	0.18	10.32	-3.262	9.63E-64
RP11-526I	ENSG00000	0.13	5.65	-2.557	3.17E-59
LINC01491	ENSG00000	0	7.34	-3.06	1.14E-58
RP11-66B2	ENSG00000	0.74	7.47	-2.283	3.87E-74
RBM17P4	ENSG00000	0	3.63	-2.211	2.99E-61
RP11-463I	ENSG00000	0.08	4.38	-2.317	7.48E-54
RP11-554E	ENSG00000	0	13.17	-3.825	3.53E-67
LINC01582	ENSG00000	0	4.92	-2.566	3.82E-79
RP11-643C	ENSG00000	0.09	3.58	-2.071	2.78E-65
RP11-89K1	ENSG00000	3.35	32.159	-2.93	1.21E-59
LINGO1-AS	ENSG00000	0.02	16.59	-4.108	4.89E-65
RP11-299F	ENSG00000	0	6.03	-2.814	1.98E-67
RP11-485C	ENSG00000	0	18.83	-4.31	1.50E-63
RP11-762F	ENSG00000	0	6.83	-2.969	4.19E-59
LINC00677	ENSG00000	0	7.64	-3.111	2.58E-57

RP11-348E	ENSG00000	0	3.33	-2.114	4.25E-56
LINC00933	ENSG00000	0.18	9.42	-3.143	2.92E-90
ZNF444P1	ENSG00000	0.36	8.42	-2.792	3.37E-66
RP11-100E	ENSG00000	0.2	30.849	-4.73	2.59E-77
RP11-53L2	ENSG00000	0	3.77	-2.254	2.63E-48
LINC00567	ENSG00000	0.01	8.34	-3.209	7.90E-82
PWRN1	ENSG00000	1.33	85.36	-5.212	5.28E-69
RP11-932C	ENSG00000	0	4.96	-2.575	1.32E-56
RP6-91H8.	ENSG00000	0.04	53.861	-5.721	3.10E-71
RP11-218M	ENSG00000	0.18	13.62	-3.631	6.43E-53
RP11-553L	ENSG00000	2.28	16.91	-2.449	1.42E-48
RP11-480I	ENSG00000	0	11.5	-3.644	5.90E-72
LA16c-390	ENSG00000	0.59	5.59	-2.051	6.51E-67
GOLGA2P1	ENSG00000	0	19.01	-4.323	7.93E-84
RP11-2C2z	ENSG00000	0.04	6.23	-2.797	1.79E-60
RP11-33B1	ENSG00000	2.47	21.97	-2.727	4.23E-48
RP11-568M	ENSG00000	0.36	8.05	-2.734	4.66E-60
LA16c-312	ENSG00000	0	7.12	-3.021	1.86E-54
RP11-109F	ENSG00000	0	3.04	-2.014	1.68E-59
RP11-83Nf	ENSG00000	0.99	8.9	-2.315	2.94E-51
RP11-441F	ENSG00000	0.07	3.35	-2.023	8.50E-57
RP3-333B1	ENSG00000	0	6.03	-2.814	1.16E-62
RP11-303E	ENSG00000	0.15	15.401	-3.834	2.82E-69
WI2-2610f	ENSG00000	0.04	46.549	-5.515	3.17E-62
RP11-368I	ENSG00000	0.14	8.91	-3.12	1.35E-65
LINC00919	ENSG00000	0	58.94	-5.905	5.05E-70
RP11-101E	ENSG00000	0.28	15.44	-3.683	7.09E-62
ITFG1-AS1	ENSG00000	0.29	84.278	-6.047	1.57E-78
TBC1D3G	ENSG00000	0	28.019	-4.859	6.17E-58
RP11-24M	ENSG00000	0.26	16.66	-3.809	4.64E-65
RP11-505k	ENSG00000	1.03	19.59	-3.342	4.16E-70
NTRK3-AS	ENSG00000	0	7.92	-3.157	3.15E-54
HSPB9	ENSG00000	0.26	17.01	-3.837	9.09E-66
LINC01570	ENSG00000	0	27.63	-4.839	1.69E-70
RP11-103E	ENSG00000	0.32	15.58	-3.651	3.50E-74
LINC01043	ENSG00000	0	3.02	-2.007	2.14E-43
RP11-56L1	ENSG00000	0	4.41	-2.436	3.30E-58
RP1-155Dz	ENSG00000	0	5.47	-2.694	8.20E-62
RP13-735L	ENSG00000	0.35	5.95	-2.364	1.84E-50
RP11-202I	ENSG00000	0	12.81	-3.788	2.98E-63
RP11-96Df	ENSG00000	0	12.01	-3.702	8.37E-75
LCMT1-AS	ENSG00000	0.66	7.07	-2.281	6.18E-78
RP4-561L2	ENSG00000	0.17	4.65	-2.272	5.43E-98
RP11-85A1	ENSG00000	0.13	7.09	-2.84	6.42E-91
LINC01584	ENSG00000	0	6.82	-2.967	1.39E-58
RP11-109E	ENSG00000	0	8.71	-3.279	6.40E-64
RP11-510M	ENSG00000	0	7.79	-3.136	2.34E-58
PWRN2	ENSG00000	0	19.03	-4.324	6.13E-68
RP11-24Nf	ENSG00000	17.67	97.18	-2.395	9.69E-16

RP11-491F ENSG00000	0.43	5.07	-2.086	2.68E-67
RP11-327F ENSG00000	0	5.44	-2.687	1.54E-50
RP11-24D1 ENSG00000	0	16.59	-4.137	7.43E-57
RP11-452L ENSG00000	0.25	5.07	-2.28	4.35E-79
RP11-303E ENSG00000	0.74	8.38	-2.43	3.24E-63
RP11-114C ENSG00000	0.24	8.77	-2.978	8.36E-41
RP11-439E ENSG00000	0.12	4.85	-2.385	1.08E-55
RP11-165M ENSG00000	0	3.37	-2.128	4.00E-43
LINC01227 ENSG00000	0	26.221	-4.767	2.23E-62
RP11-482M ENSG00000	0.07	3.38	-2.033	1.48E-62
RP11-114F ENSG00000	0.13	12.88	-3.619	9.13E-77
RP11-872J ENSG00000	1.12	7.5	-2.003	2.28E-51
RP11-1437 ENSG00000	0	5.77	-2.759	1.02E-56
RP11-524C ENSG00000	0.28	15.23	-3.664	3.17E-71
RP11-80F2 ENSG00000	0.18	36.141	-4.976	7.25E-78
LINC01229 ENSG00000	0.2	8.1	-2.923	2.57E-76
TAT-AS1 ENSG00000	0.24	18.47	-3.973	1.13E-65
RP11-380C ENSG00000	0	5.07	-2.602	2.70E-66
RP11-483F ENSG00000	0	7.32	-3.057	1.80E-62
RP11-548M ENSG00000	0	5.49	-2.698	3.34E-47
RP11-30L1 ENSG00000	0.4	16.95	-3.68	5.98E-60
RP11-297L ENSG00000	0	7	-3	6.02E-48
RP11-190C ENSG00000	0	4.13	-2.359	7.70E-52
RP11-854K ENSG00000	0.35	6.35	-2.445	5.97E-39
RP11-546E ENSG00000	0	7.88	-3.151	4.41E-62
RP11-96C2 ENSG00000	0.24	4.05	-2.026	1.27E-70
RP11-370F ENSG00000	0	5.63	-2.729	6.01E-52
GS1-279B7 ENSG00000	0	4.53	-2.467	8.29E-50
RP1-149C7 ENSG00000	0.05	3.96	-2.24	6.84E-66
RP11-481J ENSG00000	0	3.23	-2.081	8.37E-38
RP1-166H2 ENSG00000	0	5.32	-2.66	1.25E-58
LMO7-AS1 ENSG00000	0.34	4.61	-2.066	2.25E-29
RP11-496C ENSG00000	0.06	4.83	-2.459	9.84E-77
RP11-17M ENSG00000	1.9	37.639	-3.736	1.92E-28
RP4-798A1 ENSG00000	0.81	7.68	-2.262	6.53E-50
RP11-697E ENSG00000	0.14	11.19	-3.419	1.43E-76
RP11-215E ENSG00000	0.03	11.51	-3.602	1.51E-49
RP11-723C ENSG00000	0.77	9.08	-2.51	3.74E-74
RP11-681H1 ENSG00000	0.31	6	-2.418	4.51E-76
RP11-113E ENSG00000	0	32.03	-5.046	8.92E-66
RP11-2L4.1 ENSG00000	0	3.67	-2.223	5.06E-46
RNF126P1 ENSG00000	0.63	17.57	-3.51	4.75E-50
RP3-496C2 ENSG00000	0.07	11.04	-3.492	1.09E-71
LA16c-361 ENSG00000	0.14	5.33	-2.473	1.78E-86
RP11-304L ENSG00000	0.22	11.22	-3.324	1.48E-63
GOLGA8T ENSG00000	0.11	8.32	-3.07	1.75E-70
RP3-388M ENSG00000	0.2	4.42	-2.175	2.14E-72
RP11-760C ENSG00000	0.01	22.86	-4.562	2.75E-83
ULK4P1 ENSG00000	0.7	6.81	-2.2	2.69E-44

RP11-299F	ENSG00000	0.01	6.97	-2.98	8.91E-66
RP11-343F	ENSG00000	0.07	4.32	-2.314	7.91E-83
RP11-160C	ENSG00000	0	13.68	-3.876	6.12E-83
RP11-653J	ENSG00000	0	5.29	-2.653	7.39E-63
RP11-279C	ENSG00000	0.73	7.56	-2.307	1.17E-32
PDCD6IPP	ENSG00000	2.44	25.76	-2.96	1.89E-51
RP11-60L3	ENSG00000	0	3.09	-2.032	2.69E-46
RP11-165M	ENSG00000	0	41.85	-5.421	5.07E-65
RP11-244E	ENSG00000	0	5.13	-2.616	9.79E-59
RP11-114F	ENSG00000	0	8.2	-3.202	5.29E-62
RP11-326A	ENSG00000	0	38.539	-5.305	1.21E-74
RP11-1007	ENSG00000	0.39	7.13	-2.548	1.75E-71
RP11-217E	ENSG00000	0.24	14.53	-3.647	4.63E-67
RP11-589C	ENSG00000	0	3.11	-2.039	1.63E-62
RP11-626C	ENSG00000	0.66	12.97	-3.073	1.73E-57
RP11-152C	ENSG00000	0	12.06	-3.707	1.89E-66
PAN3-AS1	ENSG00000	0.6	8.13	-2.513	5.52E-95
TP53TG3B	ENSG00000	0.42	12.01	-3.196	2.12E-52
RP11-527L	ENSG00000	0.38	9.52	-2.93	1.68E-46
RP11-665J	ENSG00000	0	4.79	-2.534	1.32E-51
RP11-457M	ENSG00000	0.52	13.61	-3.265	2.98E-92
TMEM249	ENSG00000	0.45	38.81	-4.779	6.12E-73
TPBGL	ENSG00000	0.63	5.71	-2.041	6.21E-55
RP11-426L	ENSG00000	0	5.99	-2.805	6.83E-66
PRSS46	ENSG00000	0	9.64	-3.411	6.43E-64
RP11-414J	ENSG00000	0.03	4.19	-2.333	1.52E-82
RP11-580I	ENSG00000	0.03	4.39	-2.388	2.65E-60
RP11-883C	ENSG00000	0	10.51	-3.525	1.78E-50
RP11-700F	ENSG00000	0	3.98	-2.316	3.68E-52
GOLGA6L7	ENSG00000	0.05	44.78	-5.446	6.16E-75
RP11-178L	ENSG00000	0.01	11.13	-3.586	5.27E-73
RP11-327F	ENSG00000	0	3.21	-2.074	3.73E-42
RP4-612B1	ENSG00000	0.59	6.1	-2.159	3.59E-85
MIR3976H	ENSG00000	0	15.55	-4.049	2.55E-63
GOLGA8S	ENSG00000	0.12	9.44	-3.221	3.14E-77
RP11-152C	ENSG00000	0	7.38	-3.067	7.61E-60
RP11-122E	ENSG00000	0.71	130.381	-6.264	4.21E-78
GOLGA8H	ENSG00000	0.2	7.88	-2.888	1.71E-66
RP11-744I	ENSG00000	0	4	-2.322	3.33E-46
RP11-244E	ENSG00000	0.45	6.15	-2.302	1.01E-41
RP11-434E	ENSG00000	0	12.79	-3.786	1.77E-60
LINC00662	ENSG00000	3.39	27.92	-2.72	3.91E-61
RP11-146F	ENSG00000	2.08	49.942	-4.048	1.58E-70
RP11-893F	ENSG00000	0	4.23	-2.387	6.20E-51
RP11-63A1	ENSG00000	0	8.89	-3.306	8.86E-56
RP11-23E1	ENSG00000	0	46.52	-5.57	5.12E-32
RP13-638C	ENSG00000	0.37	16.67	-3.689	5.83E-49
RP11-266L	ENSG00000	0.13	6.92	-2.809	5.53E-102
RP11-353M	ENSG00000	0.01	3.51	-2.159	9.31E-71

RP11-160E ENSG00000	0.33	9.35	-2.96	3.94E-44
RP11-960E ENSG00000	0	26.02	-4.756	4.94E-59
RP11-515E ENSG00000	0	7.01	-3.002	2.54E-58
RP11-388C ENSG00000	1.06	8.22	-2.162	8.54E-79
RP11-65J2 ENSG00000	0.61	58.161	-5.2	3.58E-69
LA16c-349 ENSG00000	0.19	4.07	-2.091	5.85E-76
RP11-266L ENSG00000	0.02	6.98	-2.968	1.41E-68
RP11-196C ENSG00000	0.43	8.43	-2.721	5.10E-93
RP11-353M ENSG00000	0.04	6.21	-2.793	1.08E-67
RP11-4618 ENSG00000	0.46	6.51	-2.363	1.86E-30
RP11-105E ENSG00000	1.31	11.12	-2.391	6.95E-45
RP11-156F ENSG00000	4.17	54.628	-3.428	3.52E-74
TMPOP2 ENSG00000	0.19	7.27	-2.797	1.96E-69
ROCK1P1 ENSG00000	1.46	49.559	-4.361	2.86E-73
RP11-388C ENSG00000	0.11	4.12	-2.206	5.65E-61
RP11-291L ENSG00000	4.53	37.65	-2.805	7.08E-43
RP11-166F ENSG00000	0.08	9.44	-3.273	1.94E-59
LRRC37A17 ENSG00000	0.93	9.14	-2.393	5.02E-60
RP11-849I ENSG00000	0.69	10.39	-2.753	5.42E-34
RP11-333E ENSG00000	0.47	15.519	-3.49	2.29E-83
RP11-109M ENSG00000	0	7.72	-3.124	1.98E-62
THCAT158 ENSG00000	0.1	11.45	-3.501	4.37E-70
RP1-4G17.1 ENSG00000	0	6.31	-2.87	2.69E-49
RP1-59D14 ENSG00000	1.07	7.64	-2.061	2.81E-72
RP11-202C ENSG00000	0	9.88	-3.444	1.40E-57
RP11-707C ENSG00000	0	8.59	-3.262	5.58E-64
UBBP4 ENSG00000	1.16	114.3	-5.738	3.78E-88
RP11-527F ENSG00000	0	3.35	-2.121	1.02E-50
PPP4R1-AS1 ENSG00000	0	7.2	-3.036	9.89E-67
RP11-628C ENSG00000	0	15.75	-4.066	1.59E-62
RP11-746E ENSG00000	0	12.52	-3.757	1.89E-58
RP11-580I ENSG00000	2.7	17.23	-2.301	3.26E-48
LINC00908 ENSG00000	0.17	4.84	-2.319	4.44E-65
RP11-573C ENSG00000	0.36	13.09	-3.373	2.65E-62
RP11-5316 ENSG00000	0	4.46	-2.449	2.62E-43
SNORD3A ENSG00000	76.119	544.843	-2.823	9.73E-10
RP11-434C ENSG00000	0.2	7.75	-2.866	9.17E-64
RP11-192F ENSG00000	0.08	7.81	-3.028	3.34E-66
RP11-583F ENSG00000	0.26	11.1	-3.263	7.17E-77
RP11-739M ENSG00000	0.03	11.48	-3.599	4.00E-57
RP1-37N7.1 ENSG00000	0.01	3.79	-2.246	1.59E-57
RP11-757C ENSG00000	0.05	5.45	-2.619	4.90E-66
RP13-270F ENSG00000	0.35	35.52	-4.758	3.20E-83
RP11-271K ENSG00000	0.05	16.02	-4.019	2.37E-60
RP11-14P2 ENSG00000	0.06	3.95	-2.223	9.59E-11
NOTCH2N1 ENSG00000	6.28	45.679	-2.681	1.11E-80
MAPT-AS1 ENSG00000	0	18.76	-4.305	6.90E-65
RP11-381F ENSG00000	0.11	3.55	-2.035	2.37E-29
RP11-92B1 ENSG00000	0	4.88	-2.556	1.34E-55

RP11-26N	ENSG00000100000	0	3.43	-2.147	6.65E-45
RP11-343K	ENSG00000100000	0	3.53	-2.18	8.27E-43
RP11-6N1	ENSG00000100000	6.9	37.851	-2.298	5.71E-44
RP11-214C	ENSG00000100000	0.03	3.92	-2.256	2.32E-58
RP11-110E	ENSG00000100000	0.07	4.09	-2.25	6.42E-52
RP11-387F	ENSG00000100000	0.11	10.87	-3.419	6.30E-81
RN7SL664F	ENSG00000100000	0	3.09	-2.032	6.27E-47
RP11-285M	ENSG00000100000	0	3.44	-2.151	1.80E-45
SNORD3B	ENSG00000100000	1.32	9.2	-2.136	1.09E-05
KRT18P55	ENSG00000100000	0.02	15.15	-3.985	8.42E-79
MIR1539	ENSG00000100000	0	3.85	-2.278	1.86E-62
RP11-434C	ENSG00000100000	0	4.38	-2.428	4.41E-53
RP13-516M	ENSG00000100000	0.11	3.54	-2.032	2.67E-62
RP11-156L	ENSG00000100000	0.04	5.05	-2.54	6.37E-55
RP11-849F	ENSG00000100000	0.98	13.25	-2.847	5.24E-42
RP11-17M	ENSG00000100000	0.59	11.67	-2.994	3.02E-74
RP11-19P2	ENSG00000100000	0	9.75	-3.426	5.49E-58
RP11-20B2	ENSG00000100000	0	13.37	-3.845	2.11E-65
LINC00668	ENSG00000100000	1.21	63.399	-4.865	1.88E-71
GATA6-AS	ENSG00000100000	0.26	5.6	-2.389	2.95E-22
NDUFV2-A	ENSG00000100000	1.08	56.18	-4.781	1.38E-85
RHOT1P1	ENSG00000100000	0.18	10.17	-3.243	9.08E-58
RP11-715C	ENSG00000100000	0	3.1	-2.036	1.76E-67
RP11-111F	ENSG00000100000	0	5.05	-2.597	5.75E-51
TBC1D3P5	ENSG00000100000	0	3.73	-2.242	1.86E-47
RP11-149I	ENSG00000100000	0	3.73	-2.242	1.30E-55
RP11-401F	ENSG00000100000	0.26	6.21	-2.517	3.37E-76
GDF10	ENSG00000100000	0.12	9.04	-3.164	6.47E-38
RP11-94B1	ENSG00000100000	0	4	-2.322	2.97E-49
RP5-1148A	ENSG00000100000	0.78	6.17	-2.01	2.80E-33
MYO15B	ENSG00000100000	20.46	91.982	-2.115	1.62E-35
TBC1D29	ENSG00000100000	0.12	13.71	-3.715	1.18E-58
RP11-862L	ENSG00000100000	0.11	16.58	-3.985	6.38E-46
RP5-1022F	ENSG00000100000	0	9.29	-3.363	7.91E-61
ZNF793-A	ENSG00000100000	6.17	62.292	-3.142	2.75E-46
FXD1	ENSG00000100000	2.53	14.5	-2.135	5.84E-11
RP11-749F	ENSG00000100000	0	16.5	-4.129	4.91E-59
LRRC37A1	ENSG00000100000	0.34	5.12	-2.191	2.41E-56
RP11-92C4	ENSG00000100000	0.07	21.39	-4.387	2.19E-71
RP11-456C	ENSG00000100000	0.15	11.41	-3.432	1.59E-49
SLC14A2-A	ENSG00000100000	0	16.54	-4.133	1.28E-66
RP11-846C	ENSG00000100000	0	9.03	-3.326	4.47E-56
RP11-449J	ENSG00000100000	0.25	21.251	-4.154	8.47E-64
RP11-677C	ENSG00000100000	0	7.92	-3.157	1.25E-22
RP11-411E	ENSG00000100000	0.23	8.88	-3.006	1.66E-57
RP11-527L	ENSG00000100000	0	4.53	-2.467	3.14E-53
LCN6	ENSG00000100000	0.78	9.83	-2.605	1.49E-38
WDR7-OT	ENSG00000100000	0	4.03	-2.331	2.64E-47
LINC01255	ENSG00000100000	0	34.329	-5.143	3.62E-67

MAP3K14- ENSG00000	1.76	75.258	-4.788	3.51E-72
RP11-8H2. ENSG00000	0.05	3.71	-2.165	2.43E-76
SNHG22 ENSG00000	1.04	8.05	-2.149	3.14E-76
LINC01478 ENSG00000	0	3.24	-2.084	4.09E-50
LINC00906 ENSG00000	0	19.67	-4.369	2.27E-70
RP11-749F ENSG00000	0	3.04	-2.014	1.96E-41
RP11-527L ENSG00000	0	3.7	-2.233	4.14E-52
RP11-552F ENSG00000	0.62	6.89	-2.284	2.54E-82
RP1-37N7. ENSG00000	0.17	4.09	-2.121	1.93E-36
ZNF571-A9 ENSG00000	3.56	35.911	-3.017	8.38E-65
MIR497HG ENSG00000	0.86	7.89	-2.257	7.67E-48
RP11-666F ENSG00000	0.52	6.12	-2.228	6.86E-95
RP11-383M ENSG00000	0	5.39	-2.676	1.48E-74
RP11-128F ENSG00000	0	7.14	-3.025	1.83E-55
RP11-126C ENSG00000	0	64.44	-6.032	1.19E-67
RAD51L3-F ENSG00000	0	5.37	-2.671	9.77E-49
RP11-905K ENSG00000	0.05	3.52	-2.106	2.63E-55
RP11-64C1 ENSG00000	0	4.04	-2.333	8.08E-65
RP11-95O2 ENSG00000	0.56	10.43	-2.873	3.99E-77
LINC01539 ENSG00000	0.03	23.501	-4.572	4.49E-63
RP11-64C1 ENSG00000	0.37	28.509	-4.429	1.67E-72
RP11-718I ENSG00000	0	7.37	-3.065	1.39E-50
RP11-379L ENSG00000	0	3.07	-2.025	1.22E-43
LINC01533 ENSG00000	0	12.94	-3.801	6.90E-61
SMIM22 ENSG00000	1.57	54.628	-4.436	4.26E-46
RP5-1023E ENSG00000	0	368.468	-8.529	2.82E-83
RP11-157E ENSG00000	0	5.64	-2.731	8.89E-52
RP4-569M ENSG00000	0.11	7.43	-2.925	1.32E-54
MAGEA9B ENSG00000	0.39	12.46	-3.275	5.37E-32
RP11-805I ENSG00000	0	4.96	-2.575	4.82E-60
RP11-388K ENSG00000	0	5.82	-2.77	1.24E-52
ZNF649-A9 ENSG00000	0.05	53.319	-5.693	9.56E-76
RP11-678C ENSG00000	0.02	10.64	-3.512	6.23E-61
SSX2B ENSG00000	0.22	7.54	-2.807	2.93E-22
RP11-805I ENSG00000	0.01	5.91	-2.774	7.39E-44
RP11-464F ENSG00000	0.37	7.83	-2.688	1.37E-77
RP11-316C ENSG00000	0.33	4.36	-2.011	5.76E-48
MAGEA2 ENSG00000	0.14	5.14	-2.429	8.22E-28
TEX13A ENSG00000	0.07	13.97	-3.806	7.28E-71
MIMT1 ENSG00000	0.21	7.62	-2.833	3.18E-50
HSFX2 ENSG00000	0.3	15.04	-3.625	9.43E-59
SCGB1B2P ENSG00000	1.08	10.67	-2.488	2.08E-50
RP11-514C ENSG00000	0	4.23	-2.387	1.40E-48
RP11-1137 ENSG00000	0	8.63	-3.268	3.61E-70
ESPNP ENSG00000	0.17	4.12	-2.13	2.89E-48
SPANXN2 ENSG00000	0	3.93	-2.302	1.19E-49
RP1-172N: ENSG00000	0	19.28	-4.342	3.89E-68
RP11-256I ENSG00000	1.14	13.02	-2.712	4.09E-71
LINC01082 ENSG00000	0	18.07	-4.253	1.25E-36

ZNF350-A	ENSG000001	1.51	22.139	-3.205	2.36E-51
GOLGA2P9	ENSG000001	0.08	91.493	-6.42	1.70E-81
LINC01233	ENSG000001	0.13	20.609	-4.257	3.87E-65
NXF2	ENSG000001	0.83	12.34	-2.866	2.74E-32
NXF2B	ENSG000001	0.56	14.64	-3.326	2.25E-52
ZIM2	ENSG000001	0.54	6.97	-2.372	5.03E-59
RP11-1137	ENSG000001	0.06	39.229	-5.246	3.10E-87
RP11-816J	ENSG000001	0.12	3.6	-2.038	6.13E-64
RP4-740C	ENSG000001	1.11	8.75	-2.208	5.16E-42
RP11-932C	ENSG000001	2.17	25.849	-3.082	2.22E-61
RP5-1069C	ENSG000001	0	12.85	-3.792	2.78E-67
RP11-394C	ENSG000001	1.18	19.211	-3.213	2.88E-38
RP11-245F	ENSG000001	0	4.93	-2.568	3.19E-60
RNU11	ENSG000001	0	5.84	-2.774	1.02E-05
RP11-568J	ENSG000001	0	10.5	-3.524	1.16E-60
RP11-793F	ENSG000001	0.8	6.99	-2.15	2.29E-56
RP11-572C	ENSG000001	1.65	9.73	-2.018	4.41E-72
RP11-123J	ENSG000001	0	12.61	-3.767	1.36E-71
HEATR9	ENSG000001	0.07	15.5	-3.947	2.01E-60
RP11-359E	ENSG000001	0.07	3.48	-2.066	4.62E-58
LOC40191	ENSG000001	0.06	4.51	-2.378	1.91E-53
RP11-373C	ENSG000001	0	3.23	-2.081	2.07E-27
U1	ENSG000001	0	4.34	-2.417	8.61E-16
RP11-103J	ENSG000001	0	5.9	-2.787	1.11E-56
LINC00221	ENSG000001	1.94	11.73	-2.114	7.17E-17
RP11-355E	ENSG000001	3.59	17.78	-2.033	3.29E-54
RP11-607F	ENSG000001	0.13	22.5	-4.378	1.12E-74
NAMA	ENSG000001	0.01	4.96	-2.561	6.48E-71
RP11-416L	ENSG000001	0	6.11	-2.83	5.50E-55
RP11-75N	ENSG000001	0	5.92	-2.791	6.03E-57
RP4-799G	ENSG000001	0	6.14	-2.836	4.09E-62
MMP28	ENSG000001	0.93	51.388	-4.763	1.33E-89
RP11-89C	ENSG000001	0.65	8.58	-2.538	5.91E-60
RP11-335E	ENSG000001	0	8.13	-3.191	5.33E-76
LINC00904	ENSG000001	0	3.37	-2.128	1.22E-58
RP11-548K	ENSG000001	0.81	16.84	-3.301	1.28E-25
GS1-393G	ENSG000001	0.32	6.99	-2.598	2.72E-78
MROH7-T	ENSG000001	0.08	11.99	-3.588	2.72E-85
RP1-202O	ENSG000001	0	44.929	-5.521	2.51E-71
RP11-52L5	ENSG000001	0	7.26	-3.046	1.65E-66
RP11-426L	ENSG000001	0.23	17.689	-3.925	1.01E-72
RP11-493E	ENSG000001	0.26	119.817	-6.583	3.61E-72
RP4-635E1	ENSG000001	6.52	31.899	-2.129	8.61E-62
RP11-354K	ENSG000001	0	3.57	-2.192	7.00E-66
RP11-572C	ENSG000001	0.24	5.57	-2.406	6.72E-77
RP4-736L2	ENSG000001	0.12	7.96	-3	2.01E-63
RP11-79O	ENSG000001	0.16	4.63	-2.279	1.66E-67
RP1-313I6	ENSG000001	1.39	13.79	-2.63	1.00E-57
RP11-421M	ENSG000001	0.24	7.2	-2.725	1.56E-63

RP11-107C	ENSG00000	0	4.4	-2.433	2.70E-50
RP11-428J	ENSG00000	1.34	13.61	-2.642	6.24E-42
FGF14-AS2	ENSG00000	1.77	11.03	-2.119	6.87E-81
NBPF25P	ENSG00000	0.84	7.78	-2.255	2.35E-58
RP11-156E	ENSG00000	0.15	6.43	-2.692	1.00E-94
HIST2H2A	ENSG00000	3.77	85.591	-4.182	4.11E-58
XXbac-BPC	ENSG00000	0.49	7.26	-2.471	6.42E-84
RP5-855D	ENSG00000	1.39	9.7	-2.163	1.01E-49
XXbac-BPC	ENSG00000	0.81	12.26	-2.873	1.11E-47
TPTE2P2	ENSG00000	1.67	9.93	-2.033	1.07E-30
RP11-140K	ENSG00000	4.37	98.92	-4.218	3.77E-83
RP11-65L1	ENSG00000	0	6.66	-2.937	2.53E-65
RP13-539J	ENSG00000	0.06	7.18	-2.948	4.14E-59
RP11-359I	ENSG00000	0.25	15.47	-3.72	2.24E-71
RP11-25O	ENSG00000	0	3.81	-2.266	1.17E-59
RP11-363E	ENSG00000	0.09	4.14	-2.237	2.04E-52
RP1-225E1	ENSG00000	0	6.37	-2.882	2.59E-55
RP11-532M	ENSG00000	0.2	6.19	-2.583	2.59E-56
RP11-713M	ENSG00000	0.33	18.24	-3.855	8.93E-49
RP11-105M	ENSG00000	0	7.49	-3.086	1.98E-32
XXbac-BPC	ENSG00000	0.22	10.67	-3.258	1.89E-80
RP11-638H	ENSG00000	18.45	105.601	-2.454	9.31E-36
ZSWIM8-A	ENSG00000	1.59	19.46	-2.982	6.15E-76
RP11-504F	ENSG00000	10.52	57.221	-2.337	8.07E-55
RP11-191L	ENSG00000	0.47	6.04	-2.26	2.32E-73
RP11-190A	ENSG00000	0.39	6.08	-2.349	1.69E-35
RP11-803E	ENSG00000	0.97	12.59	-2.786	2.51E-50
RP1-63G5	ENSG00000	0	22.461	-4.552	9.48E-68
MESTIT1	ENSG00000	0.07	3.56	-2.091	1.08E-53
RP11-44N	ENSG00000	0.26	11.08	-3.261	6.98E-72
STAG3L5P	ENSG00000	29.49	198.858	-2.713	4.28E-83
JMJD1C-A	ENSG00000	0.36	9.85	-2.996	1.88E-57
RP11-335L	ENSG00000	0.1	3.67	-2.086	1.87E-66
RP11-464F	ENSG00000	0.48	4.98	-2.015	1.87E-77
RP11-602M	ENSG00000	0.12	5.35	-2.503	4.21E-80
RP11-219A	ENSG00000	0	4.21	-2.381	2.30E-52
RP11-295M	ENSG00000	0.1	3.74	-2.107	1.87E-54
RP11-398C	ENSG00000	0.91	7.18	-2.099	1.54E-69
LL22NC03	ENSG00000	1.28	13.58	-2.677	6.00E-40
RP5-1159C	ENSG00000	0.84	12.93	-2.92	4.22E-82
RP11-74E2	ENSG00000	0.18	4.63	-2.254	9.08E-50
RP11-392E	ENSG00000	0.1	12.4	-3.607	5.86E-82
RP11-118K	ENSG00000	0.69	6.44	-2.138	3.25E-32
FAM95C	ENSG00000	0.9	89.958	-5.581	1.66E-100
RP11-428K	ENSG00000	0.1	3.72	-2.101	2.39E-62
RP11-216L	ENSG00000	0.84	19.569	-3.483	9.74E-88
RP11-559M	ENSG00000	0.04	3.79	-2.203	1.26E-62
LYPD4	ENSG00000	0.02	137.129	-7.081	2.52E-94
RP11-458F	ENSG00000	10.58	63.079	-2.468	8.24E-36

RP11-449F	ENSG00000	0.68	6.39	-2.137	7.07E-71
RP11-392E	ENSG00000	0.15	23.501	-4.413	9.68E-101
RP11-11N	ENSG00000	0.07	7.59	-3.005	3.07E-61
FAM25BP	ENSG00000	0	9.7	-3.42	9.29E-56
RP3-402G1	ENSG00000	0.51	8.52	-2.656	2.87E-82
RP11-136C	ENSG00000	0.13	7.57	-2.923	7.88E-131
RP11-496F	ENSG00000	1	235.714	-6.887	3.96E-72
RBAKDN	ENSG00000	1.3	672.457	-8.194	6.49E-73
RP11-672L	ENSG00000	0.95	9.73	-2.46	1.03E-72
RP11-634F	ENSG00000	1.95	18.621	-2.734	5.82E-60
RP11-255E	ENSG00000	0.3	6.18	-2.465	2.88E-67
RP11-87C7	ENSG00000	0	9.08	-3.333	2.44E-58
ST7-OT4_2	ENSG00000	0	3.28	-2.098	3.50E-14
ST7-OT4_1	ENSG00000	0	4.79	-2.534	1.15E-28
RP5-908M	ENSG00000	3.68	36.39	-2.998	2.10E-67
RP11-758F	ENSG00000	2.01	17.22	-2.598	9.70E-75
RP11-613E	ENSG00000	0.09	14.44	-3.824	7.94E-60
U1	ENSG00000	4.86	44.301	-2.951	1.70E-36
RP11-227C	ENSG00000	0	3.43	-2.147	3.38E-55
GOLGA6L1	ENSG00000	0.12	34.64	-4.992	6.75E-54
FAM27E3	ENSG00000	0.8	22.161	-3.686	1.67E-69
uc_338	ENSG00000	0	3.69	-2.23	4.83E-26
OR7E156P	ENSG00000	1.41	15.6	-2.784	1.04E-14
H2AFB1	ENSG00000	0.1	10.71	-3.412	9.44E-17
SOCS7	ENSG00000	8.78	99.373	-3.359	2.13E-52
RP11-757C	ENSG00000	0.1	17.31	-4.057	3.77E-72
TBC1D3H	ENSG00000	0	10	-3.459	4.95E-38
RP11-566k	ENSG00000	1.13	20.76	-3.353	8.32E-60
RP11-44M	ENSG00000	3.02	28.709	-2.886	8.95E-95
GAGE13	ENSG00000	0.28	25.259	-4.359	1.26E-42
RP11-347I	ENSG00000	0.65	6.46	-2.177	4.92E-83
RP11-486C	ENSG00000	0.08	20.281	-4.3	2.53E-64
RP5-994D	ENSG00000	0.11	4.46	-2.298	6.10E-46
TPTE	ENSG00000	3.96	81.769	-4.061	7.43E-57
LLNLR-304	ENSG00000	0.08	5.3	-2.544	2.94E-51
RP11-403E	ENSG00000	0.05	24.501	-4.602	2.09E-74
RP11-285E	ENSG00000	0	5.67	-2.738	1.77E-63
SPDYE10P	ENSG00000	0.43	14.32	-3.421	1.43E-73
RIMBP3B	ENSG00000	0.04	15.49	-3.987	1.24E-64
FAM95B1	ENSG00000	3.32	90.039	-4.397	2.36E-38
RP11-2C24	ENSG00000	0.09	13.99	-3.782	3.06E-71
TBC1D3B	ENSG00000	2.01	19.79	-2.788	6.90E-50
RP1-292L2	ENSG00000	1.39	14.74	-2.719	8.89E-94
LINC01297	ENSG00000	0.08	6.38	-2.773	3.98E-71
RP11-12A2	ENSG00000	0.25	7.19	-2.712	3.88E-69
TBC1D3I	ENSG00000	0.06	8.21	-3.119	1.32E-47
RP5-864K1	ENSG00000	0.46	8.48	-2.699	2.55E-34
RP11-382E	ENSG00000	0	6.28	-2.864	1.56E-64
ZNF280B	ENSG00000	2.48	16.19	-2.304	1.12E-59

RP1-101D	ENSG00000	0.01	4.66	-2.486	4.77E-62
RP11-187C	ENSG00000	0.3	5.46	-2.313	1.44E-53
RP4-737E2	ENSG00000	0	5.88	-2.782	2.28E-51
RP3-446N	ENSG00000	0	6.69	-2.943	3.28E-55
RP11-157L	ENSG00000	0	23.569	-4.619	4.03E-64
RP11-15J2	ENSG00000	0	4.92	-2.566	1.67E-58
RP5-908M	ENSG00000	0.36	4.81	-2.095	1.21E-81
RP11-666C	ENSG00000	1.01	8.84	-2.291	3.48E-62
RP11-266L	ENSG00000	1.93	81.019	-4.807	1.94E-78
LINC00684	ENSG00000	0.09	322.085	-8.211	1.69E-78
KB-1572G7	ENSG00000	0	4.64	-2.496	1.65E-45
RP4-547N	ENSG00000	0.01	4.54	-2.456	3.38E-89
LYZL6	ENSG00000	0	62.708	-5.993	1.26E-72
RP11-100C	ENSG00000	0.03	7.74	-3.085	6.52E-65
RP11-54C4	ENSG00000	0.71	14.87	-3.214	2.25E-93
RIMBP3	ENSG00000	0.15	33.381	-4.902	1.12E-68
RP11-457M	ENSG00000	0.02	19.04	-4.296	1.74E-69
RP11-291L	ENSG00000	2.95	27.53	-2.853	4.01E-46
LINC00162	ENSG00000	0	7.19	-3.034	3.48E-31
RP11-613E	ENSG00000	1.01	29.28	-3.913	1.10E-56
PRSS2	ENSG00000	0.08	7.22	-2.928	3.18E-13
TBC1D3F	ENSG00000	0	7.31	-3.055	1.20E-37
RP11-61K9	ENSG00000	2.05	18.72	-2.693	2.62E-75
SPATA31A	ENSG00000	0.07	5.57	-2.618	3.63E-51
SPDYE11	ENSG00000	0.17	4.01	-2.098	1.06E-67
SPATA31A	ENSG00000	0.09	5.04	-2.47	8.47E-42
RP5-1017F	ENSG00000	0	17.4	-4.202	7.55E-71
FAM27E2	ENSG00000	0	3.44	-2.151	2.91E-44
TTC28-AS	ENSG00000	0	3.41	-2.141	5.94E-14
LINC00226	ENSG00000	0.07	18.85	-4.213	4.42E-60
FLJ36000	ENSG00000	0.34	9.18	-2.925	6.57E-54
RP11-195L	ENSG00000	0.09	13.78	-3.761	8.35E-66
NPPA-AS1	ENSG00000	0.92	10.97	-2.64	9.54E-22
RP11-417C	ENSG00000	0	10	-3.459	3.51E-57
RP11-291L	ENSG00000	7	55.001	-2.807	6.26E-48
RP11-8P11	ENSG00000	0.01	3.11	-2.025	2.99E-68
RP11-478K	ENSG00000	0	9.45	-3.385	2.00E-61
RP11-467L	ENSG00000	0.71	9.04	-2.554	1.07E-67
GSTTP1	ENSG00000	0	36.481	-5.228	1.62E-58
RP11-476F	ENSG00000	0	9.94	-3.452	4.71E-77
RP11-108F	ENSG00000	0	3.12	-2.043	6.24E-48
STAG3L2	ENSG00000	5.33	34.881	-2.503	2.57E-62
RP11-520E	ENSG00000	0.26	7.55	-2.763	4.51E-57
RP4-550H	ENSG00000	0.13	6.15	-2.662	6.45E-66
GOLGA6L6	ENSG00000	0.01	7.02	-2.989	7.46E-57
RP11-325L	ENSG00000	0.4	5.26	-2.161	3.06E-65
RP11-380M	ENSG00000	0.29	4.28	-2.033	5.22E-61
RP11-486I	ENSG00000	0.71	38.851	-4.543	2.20E-82
RP13-347C	ENSG00000	0	3.21	-2.074	2.39E-65

GOLGA8IP	ENSG00000	0.07	8.79	-3.194	3.19E-67
RP11-961A	ENSG00000	0.45	7.57	-2.563	2.69E-65
RP11-374M	ENSG00000	0	4.28	-2.4	1.08E-30
XXbac-BPG	ENSG00000	0	6.21	-2.85	1.33E-69
RP11-734K	ENSG00000	2.45	102.721	-4.91	4.53E-63
RP11-693J	ENSG00000	0.63	8.28	-2.509	5.41E-51
GOLGA6L1	ENSG00000	0.02	7.67	-3.087	6.09E-76
H2AFB3	ENSG00000	0.07	38.719	-5.214	4.26E-59
LLNLF-136	ENSG00000	0	3.13	-2.046	5.07E-59
RP11-269C	ENSG00000	0.45	7.74	-2.592	3.73E-78
RP11-714M	ENSG00000	0	3.2	-2.07	2.04E-76
GOLGA6L2	ENSG00000	0.01	12.33	-3.722	1.25E-63
FAM230A	ENSG00000	0	11.42	-3.635	9.45E-56
RP11-403F	ENSG00000	2.15	14.9	-2.336	9.63E-64
RP11-356M	ENSG00000	0	3.38	-2.131	8.47E-25
RP11-426C	ENSG00000	0.26	5.11	-2.278	9.86E-63
RDM1	ENSG00000	2.28	16.959	-2.453	3.48E-49
RP11-34H	ENSG00000	0	7.41	-3.072	2.17E-36
TEX28	ENSG00000	0	11.3	-3.621	2.93E-66
RP11-736M	ENSG00000	0.08	4.28	-2.289	8.62E-65
RP11-87C1	ENSG00000	0	4.26	-2.395	2.96E-17
RP11-440J	ENSG00000	0	8.55	-3.256	3.14E-65
RP11-12A2	ENSG00000	0.25	10.09	-3.149	1.24E-86
PIK3R3	ENSG00000	0	22.25	-4.539	4.83E-54
TSC22D1	ENSG00000	0.25	5.6	-2.401	3.61E-113
SSTR3	ENSG00000	0.24	9.65	-3.102	1.15E-72
RP11-245L	ENSG00000	2.92	33.611	-3.142	1.92E-51
TBC1D3C	ENSG00000	0	6.66	-2.937	8.44E-22
OR7E104P	ENSG00000	0.1	5.47	-2.556	5.95E-21
RP11-89H	ENSG00000	0.07	3.78	-2.159	1.43E-66
RP11-96A1	ENSG00000	0	8.7	-3.278	1.10E-67
RP11-457L	ENSG00000	0	8.17	-3.197	1.93E-63
POTEB3	ENSG00000	0	5.26	-2.646	3.14E-64
TMEM191	ENSG00000	2.89	172.278	-5.477	4.00E-57
GOLGA6L1	ENSG00000	0.88	24.19	-3.744	3.08E-65
IQCA1L	ENSG00000	0.03	14.69	-3.929	2.04E-61
MCM8-AS	ENSG00000	0	5.99	-2.805	2.70E-61
RP11-12A2	ENSG00000	0	30.279	-4.967	1.26E-63
FAM27B	ENSG00000	0.45	20.72	-3.905	2.30E-49
RP11-23E1	ENSG00000	0.47	5.8	-2.21	2.01E-60
RP11-327I	ENSG00000	0	11.66	-3.662	8.06E-90
NPPA-AS1	ENSG00000	0.07	11.26	-3.518	5.24E-14
RP11-612J	ENSG00000	0	4.92	-2.566	5.33E-44
RP11-511F	ENSG00000	0.25	4.24	-2.068	3.57E-91
RP13-580E	ENSG00000	0.59	23.039	-3.918	1.29E-43
RP11-667F	ENSG00000	0.07	9.36	-3.275	5.47E-59
RP11-76C1	ENSG00000	0	6.18	-2.844	7.49E-57
RP1-149M	ENSG00000	0	16.6	-4.138	6.08E-63
RP11-203F	ENSG00000	0.11	5.91	-2.638	2.05E-57

RP11-36D	ENSG00000	0	7.48	-3.084	1.29E-51
RP11-218M	ENSG00000	0	4.63	-2.493	1.50E-61
RP11-810F	ENSG00000	0.15	3.96	-2.109	2.10E-81
RP11-461C	ENSG00000	0	15.519	-4.046	2.72E-63
RP11-83B2	ENSG00000	0	3.89	-2.29	5.45E-48
RP11-417M	ENSG00000	4.75	22.55	-2.034	6.70E-35
RP11-661A	ENSG00000	0.82	6.51	-2.045	7.22E-72
RP11-574K	ENSG00000	0.96	6.96	-2.022	2.44E-49
RP11-495K	ENSG00000	0.03	4.53	-2.425	4.35E-56
RP11-752C	ENSG00000	0.17	3.74	-2.018	5.48E-85
LINC00552	ENSG00000	0.05	17.72	-4.156	8.99E-86
RP11-499E	ENSG00000	0.05	3.92	-2.228	5.52E-67
RP11-886F	ENSG00000	0.06	34.099	-5.049	3.45E-72
RP11-570J	ENSG00000	0	4.93	-2.568	4.61E-39
RP11-69M	ENSG00000	0.61	5.79	-2.076	8.33E-72
RP11-447M	ENSG00000	0	3.89	-2.29	6.56E-58
RP11-1221	ENSG00000	0	12.45	-3.75	1.30E-57
RP11-76C1	ENSG00000	0.09	3.69	-2.105	1.84E-46
U51561.1	ENSG00000	0	3.66	-2.22	5.52E-53
MGC39584	ENSG00000	0.07	24.411	-4.57	5.04E-68
RP3-523C2	ENSG00000	0	5.82	-2.77	8.74E-60
RP11-384M	ENSG00000	0.3	5.45	-2.311	2.47E-86
LA16c-380	ENSG00000	1.01	11.75	-2.665	2.31E-69
MIR4697H	ENSG00000	1.58	12.04	-2.338	2.81E-63
RP11-542F	ENSG00000	0	4.74	-2.521	1.04E-58
RP11-122E	ENSG00000	5.75	29.999	-2.199	2.73E-27
RP11-501I	ENSG00000	0.53	9.08	-2.72	4.13E-56
RP11-837J	ENSG00000	0.08	4.63	-2.382	4.53E-59
LINC01374	ENSG00000	0	4.48	-2.454	2.22E-60
SCAANT1	ENSG00000	0.46	5.32	-2.114	1.53E-47
RP11-983C	ENSG00000	0	8.96	-3.316	4.74E-60
LINC00251	ENSG00000	0.02	3.2	-2.042	1.46E-42
LINC01232	ENSG00000	0.82	9.41	-2.516	3.90E-98
RP4-777O	ENSG00000	0.08	3.47	-2.049	5.61E-57
LINC00254	ENSG00000	0	3.93	-2.302	3.54E-50
RP5-991B1	ENSG00000	0	13.7	-3.878	7.37E-62
RP5-991B1	ENSG00000	0	56.04	-5.834	1.18E-72
SEPSECS-1	ENSG00000	4.22	23.98	-2.259	1.98E-28
RP4-669P1	ENSG00000	0.7	15.95	-3.318	5.87E-67
LINC00895	ENSG00000	0	3.5	-2.17	7.99E-73
GS1-114I9	ENSG00000	0.83	6.72	-2.077	2.04E-29
RP11-384K	ENSG00000	0.06	8.62	-3.182	1.46E-80
FBF1	ENSG00000	0.46	5.78	-2.215	5.11E-83
TMBIM4	ENSG00000	1.04	24.289	-3.632	4.24E-41
RP11-506F	ENSG00000	0.39	8.39	-2.756	8.29E-85
RP11-527L	ENSG00000	0.24	6.07	-2.511	1.79E-50
RP11-173A	ENSG00000	0.06	8.07	-3.097	1.06E-65
LINC01002	ENSG00000	60.241	406.919	-2.736	2.93E-27
RP11-389C	ENSG00000	0	35.299	-5.182	3.66E-72

C11orf71	ENSG00000100000	2.18	222.675	-6.136	1.07E-76
----------	-----------------	------	---------	--------	----------

Table S3

GOID	Pathway	Count	PValue
1	intracell	500	#####
2	cell part	527	#####
3	cell	527	#####
4	intracell	491	#####
5	organelle	458	#####
6	binding	472	2.67E-96
7	cellular	475	4.58E-90
8	intracell	425	1.07E-88
9	single-or	435	3.99E-83
10	cytoplasm	394	3.04E-82
11	single-or	400	8.41E-74
12	single or	135	3.55E-68
13	membrane-	394	1.62E-66
14	reproduct	138	1.02E-65
15	reproduct	138	1.13E-65
16	sexual re	109	5.66E-64
17	multi-org	114	1.14E-60
18	protein k	362	3.63E-60
19	intracell	362	1.29E-59
20	spermatog	88	1.44E-58
21	male game	88	1.60E-58
22	gamete ge	94	2.37E-57
23	multicell	103	6.57E-57
24	multicell	101	1.70E-55
25	developme	249	1.34E-53
26	anatomica	240	1.35E-53
27	single-or	243	2.73E-51
28	cellular	198	1.34E-50
29	multi-org	153	4.92E-49
30	multicell	264	3.18E-48
31	biologica	345	4.53E-46
32	metabolic	333	2.74E-44
33	organic s	326	3.69E-44
34	cellular	233	2.30E-42
35	cell diff	176	2.83E-42
36	cellular	234	3.83E-41
37	organelle	278	1.65E-40
38	cytoplasm	272	3.56E-40
39	regulatic	322	3.96E-40
40	primary n	305	4.53E-38
41	regulatic	308	5.67E-38
42	nucleus	243	4.67E-37
43	intracell	265	5.66E-36
44	single-mu	219	1.22E-35

45 cilium	64	1.26E-35
46 multicell	194	4.62E-35
47 cellular	298	1.07E-34
48 non-membr	169	5.25E-34
49 intracell	169	5.25E-34
50 cell pro	111	4.61E-33

Table S4

GOID	Pathway	Count	PValue
1	Metabolis	69	1.61E-08
2	Assembly	18	2.05E-07
3	Metabolis	32	3.59E-06
4	Organelle	19	5.93E-05
5	Intraflag	8	8.53E-05
6	Fertiliza	6	0.000119
7	Reproduct	6	0.000119
8	Signaling	12	0.000122
9	Anchoring	9	0.00051
10	Peptide h	8	0.000918
11	@@Disease	22	0.102254
12	@@Pyruvat	3	0.051806
13	Synthesis	4	0.001437
14	Signal Tr	62	0.001521
15	Meiosis	9	0.001765
16	PIWI-inte	5	0.001959
17	MHC class	9	0.001964
18	Meiotic s	7	0.003386
19	Glutathic	5	0.004194
20	Biologica	11	0.004215

Table S5

G0ID	Pathway	Count	PValue
1	CCKR sig	10	0.005916
2	Huntingt	8	0.010263
3	p53 path	4	0.042298

Table S6

G0ID	Pathway	Count	PValue
1	Adherens	9	9.29E-05
2	Metabolic	41	0.000138
3	Pyruvate	6	0.000948
4	Carbon me	9	0.001436
5	Glycolysi	7	0.001736
6	Glutathic	6	0.002923
7	Glucagon	8	0.003265
8	Longevity	6	0.006937
9	Leukocyte	8	0.007047
10	Synthesis	3	0.008589
11	Endocytos	12	0.009503
12	Ovarian s	5	0.012946
13	Epstein-F	10	0.014369
14	Bacterial	6	0.014947
15	Influenza	9	0.01733
16	Salivary	6	0.024212
17	Huntingtc	9	0.027937
18	Fc gamma	6	0.028852
19	Longevity	6	0.030039
20	Protein p	8	0.035188

Table S7

OS gene	All DEGs	Venn gene
DPCD	PTPN6	GSTA1
AC018816.3	GSTO1	LAPTM5
RP11-757O6.1	TNFRSF1B	PRM1
RP11-30P6.6	LYZ	SYNGR4
PTCHD1	GIMAP4	FNDC8
FADS2	DSP	VAMP2
RP1-142L7.9	CXCR4	FSCN3
APOC3	EFEMP1	MAMLD1
SPDEF	COL4A1	GLB1L
RP11-857B24.1	CRIP1	
IL5	LAPTM5	
CUTC	MMP9	
AWAT2	BASP1	
GRIK5	NFE2L3	
SAMD14	CORO1A	
INSRR	CCL19	
CAV3	HLA-DRB1	
APOA4	TYROBP	
RP5-963E22.4	C1QA	
LINC01484	ISG15	
RPL23AP25	CD9	
RP11-242C19.2	KRT8	
ECHS1	CDH1	
IGHV3-66	C1QB	
SLIT1	CD74	
CFC1	TGFBI	
MBD3L1	ARHGDIB	
UPF3AP1	LUM	
TEX35	HLA-DRA	
SSSCA1	FZD5	
AMHR2	CD24	
RP11-434E6.4	CCL2	
C5orf66-AS1	GBP1	
RP11-210M15.2	RAB25	
TTC41P	MMP12	
PDE9A	ADAMDEC1	
OMA1	SPP1	
NGFRAP1	LIN28A	
ISYNA1	KRT19	
CATSPER4	SPACA1	
ZNF705G	LINC00588	
METTL12	RNFT1	
RP11-619A14.3	RIBC2	
RP11-799D4.1	KPNA5	

CISD3	ZNF280B
DNPB1	DNAI2
IHH	NACA2
RP11-555K12.1	MORC1
RP11-177F15.1	GPR137
RP11-334L9.1	ADAM18
SNAP47-AS1	ADGB
RP3-337H4.6	ADCY10
RP11-89H19.1	CCDC70
RP6-65G23.5	SPO11
BEX1	RNF32
CTC-820M8.1	C11orf63
C1QTNF9	ADAM2
AC007326.10	PAPOLB
CTB-1144G6.6	LINC00837
LRRC75A-AS1	BTG4
CCDC162P	DPY19L1P1
MS4A12	LDHAL6B
CRX	SCIN
RP11-588H23.3	GLB1L
HSD17B2	CEP112
RP11-368M16.3	ATXN3L
IGKV1-17	RPGRIPI
FENDRR	SYNGR4
ZNF114	SPATA1
DNAAF2	SOX30
CYP2A13	TEX12
ADAMTS7P4	CCDC88A
TMEM257	CYLC1
RNF208	UBQLN3
RP5-1057I20.5	GRK4
SFRP5	CCDC186
RP11-88H12.2	CYLC2
IQCC	ERO1LB
RP11-51F16.1	GAPDHS
FAM90A20P	AURKC
DMRTC1	GPC5
RP11-1057B6.1	CARF
AC006273.5	LINC00342
ERVWE2	SPATA31C2
C11orf86	C20orf195
DDRKG1	C6orf10
SIGLEC12	IQCK
RP11-752G15.10	CAMK4
CTD-2616J11.11	ART3
BAAT	RFPL3S

MDP1	AKAP4
ARPC3P1	CCHCR1
RP11-193H5.2	IRGC
AC007879.2	TSSK2
LCN15	GK2
SLC25A22	NME8
RP11-757G1.6	CBLN1
RP11-138I1.4	CCIN
KCNJ13	USP2
ADCK5	PPP1R2P9
RP11-445F12.1	ADD3-AS1
FAM229B	PRKAA1
MGAT4A	ALLC
AVPR1B	C16orf95
ZNF780A	TEX28
CDK5R2	MYT1L
GPX8	COIL
TMLHE-AS1	CT62
SFTPD-AS1	RFX2
CDH7	MROH7
RP11-299H22.3	PRPS1L1
TRPC4	TNP2
RP11-264I13.2	C9orf9
RP11-543B16.2	PSORS1C1
CENPB	GPR135
RP11-295D4.4	HSPA1L
SMAD6	TTL7
BIRC5	PMFBP1
AP000783.1	ZBTB32
DMP1	LRRC36
AMIGO3	FBXO24
CGREF1	POM121L9P
CH507-216K13.1	AQP5
RP1-241P17.4	ZC2HC1C
AC005618.9	KDM4D
SH3PXD2A-AS1	ZNRF4
MTHFS	ACRV1
RP11-367N14.2	ZSCAN5A
BMPER	CTAGE1
RP13-270P17.3	NOL4
PHPT1	LRRC48
PNMA6A	TSGA10
RP11-274B21.3	RDH8
RP11-383B4.4	CATSPERG
AC023347.1	APH1B
MLIP	GRAMD1C

RP11-725P16.2	SLCO3A1
PTRF	SNX19
SMTNL2	MNS1
NPM3	SYCP2
ZNF7	VPRBP
RP11-55K22.2	LRIT1
RP11-458F8.4	HIRIP3
AQP10	PACRG
PNOC	ZCCHC14
PORCN	IZUMO4
FCRL5	TEX15
RP5-1028K7.3	TULP2
TIMM8AP1	C16orf71
DLX3	EFCAB6
ATP2C2	HCFC2
HNF1A	PGK2
KIF20B	ADAM5
SLN	WDR78
RPS20P4	PRKACG
IGKV1OR2-108	TDRD1
RP11-295M18.6	PDHA2
FKSG54	CLPB
RN7SL208P	ANKMY1
DNAJC17	DDX25
F2RL3	ADAM30
C1orf105	ACTL7B
AP000349.2	TAF7L
RP4-570O12.3	SSX3
CELF6	CETN1
NPLOC4	RAB27B
IGSF8	ZCWPW1
C1orf116	LRP2BP
RP3-467L1.6	SLC25A31
SCARNA6	LECT2
RP11-864I4.4	ARHGAP35
CTB-151G24.2	TCP11
BX255923.2	AHI1
C20orf144	ACR
HPCAL4	OXCT2
RPS6KB2	CAPN11
GCSAML-AS1	TRAPPC12
RP1-80N2.2	CST8
ABC14-1080714F1	CCDC7
GOLGA2P9	MCF2
XXbac-BPG308K3	CLIP4
AC012066.1	DOC2A

SND1	HHIPL2
SDHAF1	ST7L
ASGR1	CCDC15
IGLV4-60	GDF9
ASS1P2	SLC1A6
RP11-482G13.1	NAT6
RP11-552F3.4	PIWIL1
RP11-481J2.2	CDADC1
PSMB5	LYZL6
IRX3	SSX1
FRY-AS1	SOCS7
CTC-558O2.1	SPATA6
RP11-324H9.1	HSPA4L
RP11-496H1.2	HOOK1
ST6GALNAC1	ZNF821
AC010900.2	SPATA7
ARL3	FNDC8
ADAD1	DKKL1
RPS9	ACE
RP11-776H12.1	MS4A5
ZC3HAV1L	TSKS
RN7SL263P	SYCP1
CRHR1-IT1	YPEL1
CD151	MMP28
RP11-442G21.2	ROPN1B
LINC00475	CHD5
ATP6V1B1-AS1	TEX40
RPL39L	LDHC
AKAP4	TTC12
TERF1P2	DNAH17
RP11-341D18.2	CTNNA3
RP11-338N10.3	ZBBX
MRPS14	TRIM66
H2AFX	SHCBP1L
CXorf49	CRISP2
SMN2	FSCN3
CCDC86	UTRN
RP11-102K13.5	PIGV
KCNJ4	C1orf105
ATRIP	PRSS21
EP300-AS1	SPTBN2
GINM1	SLC25A28
TRIP6	ACSBG2
RP5-1096J16.1	ZMYND10
CRACR2B	ACTL7A
IGLV7-46	IL13

CNIH1	IFT88
FLJ33360	RAB11FIP5
PCDHB5	TCP10
PXT1	HSF2BP
ATP10A	AGBL2
SNHG8	ZNF473
UTS2B	MAPRE3
RP11-172E9.2	DYRK3
EEF1E1P1	MAK
SLC25A47	FER
DIO2	CREM
GLTSCR2-AS1	ELL3
RP11-420N3.3	SFMBT1
AKR1D1	ZPBP
PITX2	USP32
SLC2A7	SMG7-AS1
THTPA	BBIP1
RP11-71G12.1	RBMXL2
CHD4	ODF1
CENPCP1	SOX5
SLC25A23	CHGA
BCL2L14	HYPM
HMSD	DRICH1
C14orf80	ANKS1B
ATP11B	ABCB9
MT-ND5	MAPKBP1
ENTHD1	CHKA
MISP	CCT6B
RP11-193H5.1	TEX30
FAM149A	PCSK2
RP11-439M11.1	ALDH1A2
AFP	ANKRD7
ANKRD20A5P	CLTCL1
TUBB8P1	SMPD2
HRAS	CCNO
ZNF579	INTS6
CYP2C18	SPANXB1
BTBD16	TEX14
CEP250	MAGEC1
OAT	BAP1
AC093642.3	FGFR1OP
TCEB2	CDKL3
DCTN3	SAMD4A
RP11-486B10.4	CASC1
MUC5B	NR3C2
RBM4	CCNA1

RP11-398H6.1	PHF1
WFDC6	PRM2
RP11-799B12.1	TTBK2
MRPL43	ARHGAP28
CNTN6	MTL5
SCRN2	TSSK1B
FBXL15	HRASLS
RP11-270C12.3	PRM1
BEX5	SLC6A16
TLX1	ODF2
C11orf16	STAG3
AGPAT2	SPA17
HTR4	C2orf42
ANP32AP1	FKBP6
TUBAP2	GSG1
ZWINT	SAYSD1
CTC-499B15.4	FRMPD1
RP11-430H10.2	GSTA3
RP11-732A19.5	SLC2A5
ADAMTS4	TEX13A
RPL27A	SMCP
MAFG-AS1	C10orf88
U3	LY6G5C
EXOC3L2	TTC30A
AP000265.1	NUP62CL
RP11-299L17.3	C1QTNF9B-AS1
CTD-2595P9.4	PHF7
FOXA2	RPL10L
TRBV12-5	LRP8
RP11-579D7.4	ZNHIT2
LALBA	NDUFAF3
RP11-473M20.9	PCYT2
AFTPH	SPAG1
FOXA1	SPEF1
PCGF6	CRAT
RP4-610C12.3	INHA
EIF2S2P3	CUL3
SPA17	RNF17
RP11-77H9.6	DUSP13
EIF3FP3	CLGN
RP11-2H3.7	OAZ3
CTD-2288F12.1	TNP1
UNC80	LIN7A
ACTL6B	YBX2
RP11-1280N14.3	DDX4
PGR	ULK2

RCN3	ZNF165
CALY	DNAI1
DTNA	HMGN5
IGKV3-7	CEP350
RP11-29H23.7	VCX2
VPS13A	BAG1
POLA2	IGLL1
ITIH2	TSNAXIP1
USP30	IQCE
PPP1R1A	DXO
ARHGAP19-SLIT1	ADAM3A
RP11-326C3.13	DNAH7
GRIN2C	SPAG6
LINC01485	USP29
CDH15	CDKL2
PCAT18	VRK3
HDGFRP2	SH3TC2
RHOD	DFNB31
CTC-459F4.1	RALGPS1
GUSBP6	PHKG2
FMO2	NRIP3
PSMA7	CYB5R2
CASC8	BRDT
KITLG	TOLLIP
NUTM2E	IFT140
CCDC144A	RSPH6A
GOT1	TBL2
RN7SKP30	KIAA0895
SNORA76C	H2AFJ
C1orf198	VAMP2
PPIAP31	GID4
NPC1L1	ADORA1
WDR18	B9D1
FOXC2	CCDC181
MRPL14	SPINK2
AF131215.9	TLE4
RPL29P19	CNNM1
RP11-697K23.3	C9orf116
PKD1L2	CNTRL
IGKV1-9	CTNNA2
GATA6	SLC30A4
PASK	SRPK2
AP000936.1	CDK20
SH3BP5-AS1	FAAH
NAPRT	PIP5K1C
RNA5-8S5	TP53TG5

RNA5-8S5	BRAP
RNA5-8S5	CCNH
RNA5-8S5	NME5
TLR8-AS1	ATF7IP2
ACAD11	CABYR
HNRNPA1P6	RUFY3
RP11-158H5.2	ZDHHC14
CREBRF	DPEP3
RP1-43E13.2	ZNF415
PUS3	SLC30A3
RP11-438L7.1	NR0B1
IL12B	FAM53C
ACTN4P2	PLSCR2
MEIS3	CSNK2A2
WDR82P1	KLHL11
AF127936.3	DZIP1
RP11-404F10.2	PIK3R3
EPPIN-WFDC6	SIK3
SPOCK3	PAOX
RP11-214O1.3	KCTD13
TUBA8	HAGH
RP11-396C23.2	TTLL1
OSBP2	PGAM2
IL9RP3	GRAMD1B
IQCF5	FHL5
PNLIPRP2	LRRC49
PTGER1	FUZ
OCIAD2	SHARPIN
LL0XNC01-240C2.	PROX1
RP11-492M23.2	CCT8L2
TNNC1	DYNC2H1
COMT	DNALI1
AMH	ASB9
HOXA9	TRIM13
AC111200.7	EIF4G3
OR7E10P	NUP98
AC006042.6	OXR1
NDUFB8	CDK19
C11orf91	FAM216A
ERVMER61-1	OR7E156P
E4F1	SKAP2
RP5-907C10.3	PGR
HMGCS2	CCDC176
AP000593.7	CTSF
CTB-151G24.1	ARL4A
RP11-452K12.3	SPRR2C

AP001631.9	PIWIL2
PFN3	WDR60
SUV39H2	PDXK
PF4	DOCK3
ADI1	ABCA5
CCIN	TFDP3
RP11-44N11.1	GDF10
AC000036.4	PPEF1
RP11-331F9.3	STAG3L3
RP11-554L12.1	NPIPB15
UPK1B	ETNK2
PAMR1	MARK4
MUCL1	AGBL5
RP11-161I6.2	SLC2A8
SMIM24	ELOVL2
TRIP10	TBPL1
RPL35P1	SSX2IP
PNMT	TEKT2
DUS1L	SKAP1
SLC9A5	TMBIM4
MT-ND4L	OPLAH
RP11-84A14.4	TCFL5
RP11-28G8.1	CTAG2
CECR6	ATP8A2
IGSF5	PRPH
RAB3IP	CCSER2
RP11-30J20.1	PAK6
ASF1A	SLC35G2
NCAPH	CHODL
JMJD7-PLA2G4B	AKAP3
KB-1507C5.4	KHDRBS3
LURAP1L	MYLK3
SPDYE16	HGFAC
OR7E91P	POLI
RP11-718O11.1	CRYBG3
IL17RB	TPGS2
SNX29	MRGBP
CHGA	FAM46C
SLCO1B1	SNAP91
CLDN9	MBNL3
ZNF44	INPP4B
SZT2	APPBP2
RFC2	IPO5
PACSIN3	GRB14
RP11-196G11.1	TPTE
SLC17A4	SPAG4

IKBKGP1	ELP5
GPR37	TPP2
GPHN	IQCG
CTC-459F4.9	RNF141
CBR1	MAP7
RP11-493L12.6	INPP1
GFRA2	GPX4
CTD-2161F6.2	TESC
SNORA59B	DPY19L2P2
HIST1H4A	PVRL3
RP11-299H22.6	POMT1
RP11-108L7.15	STAT4
ANOS2P	WT1
CRYBA2	TOMM34
WSCD2	KCNH2
TMEM259	CCDC53
ACTBP8	FBXL2
ALG9	ACE2
VSIG1	CLEC16A
FNDC7	GUCA1A
NTN4	CCNJL
TMEM72	CETN3
ROCK1	IFT81
SV2A	PDE1A
CTC-260F20.3	SCRG1
LINC00632	ENOX1
IGLV3-27	PDZD2
ANPEP	CALB2
C17orf99	WASF1
RCAN1	MLF1
OR7E157P	KLHDC10
PCDHA3	LPIN1
PON3	GLUD2
MSX1	TEX11
CYP4F35P	CUL9
TCEAL8	MAPK13
ARHGAP6	SCCPDH
IP6K3	MAMLD1
ITGAD	SLC12A2
RP11-350G8.3	PRND
HLA-DQA1	SCML1
RBM14	FOXG1
	CDKN3
	EFHC1
	TCEAL2
	PAQR3

CITED1
NAALAD2
ST6GALNAC2
FOXD1
SPHK2
LRRC16A
HSPA2
PMS1
GOLGA8N
MAGEA1
WDR62
CYB5R4
BCL2L14
CYP26B1
USP25
LRRC6
CCDC92
ME3
TTYH1
SLC6A1
NDRG4
AZGP1
PENK
TCEA2
IFT57
CLK4
GPR18
BAZ2B
INHBB
RNF139
MAGEA11
BAZ1A
GSTM3
CAND2
MPC2
GLRX2
MYOM2
SPAG16
GULP1
DMRT1
ZCCHC2
KLK11
ISYNA1
DAZL
RPL39L
CYP17A1

SAR1B
PPARGC1A
ZNF516
EPB41L3
SEC61A2
TMX4
NXF3
ACAT1
SPATA20
MICAL2
HSD17B3
DAAM2
SH3GL2
KLK5
IL13RA2
P4HTM
STX8
OPTN
DACH1
LZTFL1
LRRN3
TKTL1
PRKCZ
C16orf45
REEP1
GATM
SERPINA5
SLC27A6
PPFIBP2
GSTA1
BBX
CENPU
ARNT2
ELAVL4
PRKCDBP
JAM2
OSR2
MAGEA4
KRT23
ZBTB38
ASAP2
TUBA4A
ALDH1A1
CEP70
TNFAIP6
PTGDS

INSL3
CNN1
NEFM
CPE
SMARCA1
PLK2
CLU
PLA2G16
TIPARP
TSPYL5
SOX9
KIF5C
MAGEA12
HOPX
ZBTB20
HMGCS2
CKM
STAR
ABCA8
FHL1
SPOCK1
LIPG
MAGEA6
CADM1
MOK
PFKP
CYP11A1
CST3
DDAH1
SERPINF1
APOA1
BEX1

Table S8

OS gene	Top 40 gene ranked by degree	Venn gene
DPCD	TYROBP	LAPTM5
AC018816.3	HLA-DRA	
RP11-757O6.1	C1QA	
RP11-30P6.6	C1QB	
PTCHD1	CD74	
FADS2	MMP9	
RP1-142L7.9	PRM2	
APOC3	CCL2	
SPDEF	CXCR4	
RP11-857B24.1	SYCP1	
IL5	TNP2	
CUTC	SPP1	
AWAT2	SPO11	
GRIK5	IL13	
SAMD14	HLA-DRB1	
INSRR	FKBP6	
CAV3	LAPTM5	
APOA4	SYCP2	
RP5-963E22.4	TEX12	
LINC01484	STAG3	
RPL23AP25	MMP12	
RP11-242C19.2	AKAP4	
ECHS1	LDHC	
IGHV3-66	PGK2	
SLIT1	CDH1	
CFC1	ACR	
MBD3L1	PRM1	
UPF3AP1	ODF1	
TEX35	CRISP2	
SSSCA1	GAPDHS	
AMHR2	PAPOLB	
RP11-434E6.4	CREM	
C5orf66-AS1	KRT19	
RP11-210M15.2	CAMK4	
TTC41P	DKKL1	
PDE9A	SPA17	
OMA1	CCL19	
NGFRAP1	PIWIL1	
ISYNA1	SPACA1	
CATSPER4	DDX25	
ZNF705G		
METTL12		
RP11-619A14.3		
RP11-799D4.1		

CISD3
DNPH1
IHH
RP11-555K12.1
RP11-177F15.1
RP11-334L9.1
SNAP47-AS1
RP3-337H4.6
RP11-89H19.1
RP6-65G23.5
BEX1
CTC-820M8.1
C1QTNF9
AC007326.10
CTB-1144G6.6
LRRC75A-AS1
CCDC162P
MS4A12
CRX
RP11-588H23.3
HSD17B2
RP11-368M16.3
IGKV1-17
FENDRR
ZNF114
DNAAF2
CYP2A13
ADAMTS7P4
TMEM257
RNF208
RP5-1057I20.5
SFRP5
RP11-88H12.2
IQCC
RP11-51F16.1
FAM90A20P
DMRTC1
RP11-1057B6.1
AC006273.5
ERVWE2
C11orf86
DDRKG1
SIGLEC12
RP11-752G15.10
CTD-2616J11.11
BAAT

MDP1
ARPC3P1
RP11-193H5.2
AC007879.2
LCN15
SLC25A22
RP11-757G1.6
RP11-138I1.4
KCNJ13
ADCK5
RP11-445F12.1
FAM229B
MGAT4A
AVPR1B
ZNF780A
CDK5R2
GPX8
TMLHE-AS1
SFTPD-AS1
CDH7
RP11-299H22.3
TRPC4
RP11-264I13.2
RP11-543B16.2
CENPB
RP11-295D4.4
SMAD6
BIRC5
AP000783.1
DMP1
AMIGO3
CGREF1
CH507-216K13.1
RP1-241P17.4
AC005618.9
SH3PXD2A-AS1
MTHFS
RP11-367N14.2
BMPER
RP13-270P17.3
PHPT1
PNMA6A
RP11-274B21.3
RP11-383B4.4
AC023347.1
MLIP

RP11-725P16.2
PTRF
SMTNL2
NPM3
ZNF7
RP11-55K22.2
RP11-458F8.4
AQP10
PNOC
PORCN
FCRL5
RP5-1028K7.3
TIMM8AP1
DLX3
ATP2C2
HNF1A
KIF20B
SLN
RPS20P4
IGKV1OR2-108
RP11-295M18.6
FKSG54
RN7SL208P
DNAJC17
F2RL3
C1orf105
AP000349.2
RP4-570O12.3
CELF6
NPLOC4
IGSF8
C1orf116
RP3-467L1.6
SCARNA6
RP11-864I4.4
CTB-151G24.2
BX255923.2
C20orf144
HPCAL4
RPS6KB2
GCSAML-AS1
RP1-80N2.2
ABC14-1080714F14.1
GOLGA2P9
XXbac-BPG308K3.5
AC012066.1

SND1
SDHAF1
ASGR1
IGLV4-60
ASS1P2
RP11-482G13.1
RP11-552F3.4
RP11-481J2.2
PSMB5
IRX3
FRY-AS1
CTC-558O2.1
RP11-324H9.1
RP11-496H1.2
ST6GALNAC1
AC010900.2
ARL3
ADAD1
RPS9
RP11-776H12.1
ZC3HAV1L
RN7SL263P
CRHR1-IT1
CD151
RP11-442G21.2
LINC00475
ATP6V1B1-AS1
RPL39L
AKAP4
TERF1P2
RP11-341D18.2
RP11-338N10.3
MRPS14
H2AFX
CXorf49
SMN2
CCDC86
RP11-102K13.5
KCNJ4
ATRIP
EP300-AS1
GINM1
TRIP6
RP5-1096J16.1
CRACR2B
IGLV7-46

CNIH1
FLJ33360
PCDHB5
PXT1
ATP10A
SNHG8
UTS2B
RP11-172E9.2
EEF1E1P1
SLC25A47
DIO2
GLTSCR2-AS1
RP11-420N3.3
AKR1D1
PITX2
SLC2A7
THTPA
RP11-71G12.1
CHD4
CENPCP1
SLC25A23
BCL2L14
HMSD
C14orf80
ATP11B
MT-ND5
ENTHD1
MISP
RP11-193H5.1
FAM149A
RP11-439M11.1
AFP
ANKRD20A5P
TUBB8P1
HRAS
ZNF579
CYP2C18
BTBD16
CEP250
OAT
AC093642.3
TCEB2
DCTN3
RP11-486B10.4
MUC5B
RBM4

RP11-398H6.1
WFDC6
RP11-799B12.1
MRPL43
CNTN6
SCRN2
FBXL15
RP11-270C12.3
BEX5
TLX1
C11orf16
AGPAT2
HTR4
ANP32AP1
TUBAP2
ZWINT
CTC-499B15.4
RP11-430H10.2
RP11-732A19.5
ADAMTS4
RPL27A
MAFG-AS1
U3
EXOC3L2
AP000265.1
RP11-299L17.3
CTD-2595P9.4
FOXA2
TRBV12-5
RP11-579D7.4
LALBA
RP11-473M20.9
AFTPH
FOXA1
PCGF6
RP4-610C12.3
EIF2S2P3
SPA17
RP11-77H9.6
EIF3FP3
RP11-2H3.7
CTD-2288F12.1
UNC80
ACTL6B
RP11-1280N14.3
PGR

RCN3
CALY
DTNA
IGKV3-7
RP11-29H23.7
VPS13A
POLA2
ITIH2
USP30
PPP1R1A
ARHGAP19-SLIT1
RP11-326C3.13
GRIN2C
LINC01485
CDH15
PCAT18
HDGFRP2
RHOD
CTC-459F4.1
GUSBP6
FMO2
PSMA7
CASC8
KITLG
NUTM2E
CCDC144A
GOT1
RN7SKP30
SNORA76C
C1orf198
PPIAP31
NPC1L1
WDR18
FOXC2
MRPL14
AF131215.9
RPL29P19
RP11-697K23.3
PKD1L2
IGKV1-9
GATA6
PASK
AP000936.1
SH3BP5-AS1
NAPRT
RNA5-8S5

RNA5-8S5
RNA5-8S5
RNA5-8S5
TLR8-AS1
ACAD11
HNRNPA1P6
RP11-158H5.2
CREBRF
RP1-43E13.2
PUS3
RP11-438L7.1
IL12B
ACTN4P2
MEIS3
WDR82P1
AF127936.3
RP11-404F10.2
EPPIN-WFDC6
SPOCK3
RP11-214O1.3
TUBA8
RP11-396C23.2
OSBP2
IL9RP3
IQCF5
PNLIPRP2
PTGER1
OCIAD2
LL0XNC01-240C2.1
RP11-492M23.2
TNNC1
COMT
AMH
HOXA9
AC111200.7
OR7E10P
AC006042.6
NDUFB8
C11orf91
ERVMER61-1
E4F1
RP5-907C10.3
HMGCS2
AP000593.7
CTB-151G24.1
RP11-452K12.3

AP001631.9
PFN3
SUV39H2
PF4
ADI1
CCIN
RP11-44N11.1
AC000036.4
RP11-331F9.3
RP11-554L12.1
UPK1B
PAMR1
MUCL1
RP11-161I6.2
SMIM24
TRIP10
RPL35P1
PNMT
DUS1L
SLC9A5
MT-ND4L
RP11-84A14.4
RP11-28G8.1
CECR6
IGSF5
RAB3IP
RP11-30J20.1
ASF1A
NCAPH
JMJD7-PLA2G4B
KB-1507C5.4
LURAP1L
SPDYE16
OR7E91P
RP11-718O11.1
IL17RB
SNX29
CHGA
SLCO1B1
CLDN9
ZNF44
SZT2
RFC2
PACSIN3
RP11-196G11.1
SLC17A4

IKBKGP1
GPR37
GPHN
CTC-459F4.9
CBR1
RP11-493L12.6
GFRA2
CTD-2161F6.2
SNORA59B
HIST1H4A
RP11-299H22.6
RP11-108L7.15
ANOS2P
CRYBA2
WSCD2
TMEM259
ACTBP8
ALG9
VSIG1
FNDC7
NTN4
TMEM72
ROCK1
SV2A
CTC-260F20.3
LINC00632
IGLV3-27
ANPEP
C17orf99
RCAN1
OR7E157P
PCDHA3
PON3
MSX1
CYP4F35P
TCEAL8
ARHGAP6
IP6K3
ITGAD
RP11-350G8.3
HLA-DQA1
RBM14