

Table S1 3101 DEGs in GSE19743, DEG_sort_0.05

DEG	logFC	AveExpr	t	P.Value	adj.P.Val	B
DEFA4	2.917749	9.538176	9.017929	4.98E-15	3.4E-11	23.436
MS4A3	2.802203	7.926795	10.16052	1.06E-17	2.17E-13	29.24118
CEACAM6	2.755338	8.107644	9.597659	2.22E-16	2.27E-12	26.37592
ELANE	2.555761	7.889911	7.019605	1.65E-10	1.69E-07	13.58882
CEACAM8	2.405668	9.494383	7.711364	4.86E-12	1.11E-08	16.92328
MPO	2.18245	7.439552	7.125769	9.67E-11	1.29E-07	14.09357
HBD	2.133692	8.90723	6.357205	4.28E-09	2.3E-06	10.50909
CTSG	2.042749	6.625717	7.875552	2.08E-12	8.5E-09	17.72874
IFIT1	1.980085	7.047256	4.677521	7.97E-06	0.000642	3.429907
RRM2	1.905885	7.450741	7.98581	1.17E-12	5.99E-09	18.27218
AZU1	1.856897	6.357174	5.437844	3.07E-07	5.19E-05	6.481414
PRTN3	1.82964	5.021449	4.751527	5.88E-06	0.000514	3.714012
ABCA13	1.797087	4.088101	7.686593	5.53E-12	1.13E-08	16.80218
OLR1	1.772985	4.441725	6.938833	2.47E-10	2.4E-07	13.2067
IFI44L	1.757242	5.566188	4.789292	5.03E-06	0.000459	3.860127
RSAD2	1.675836	6.050606	4.545056	1.36E-05	0.000937	2.928879
AHSP	1.551543	6.732975	5.897426	3.77E-08	1.07E-05	8.454151
PTX3	1.526261	7.147322	5.99468	2.4E-08	7.54E-06	8.882442
HBM	1.509663	7.87325	5.64443	1.21E-07	2.52E-05	7.35733
CD24	1.457336	9.105952	6.32687	4.95E-09	2.53E-06	10.37125
CMPK2	1.403303	7.39291	4.210391	5.08E-05	0.002589	1.707886
KIF11	1.383507	4.71655	5.79155	6.16E-08	1.58E-05	7.992026
ZWINT	1.364731	6.723896	6.106731	1.41E-08	5.01E-06	9.380262
E2F8	1.357363	4.635966	6.079559	1.61E-08	5.31E-06	9.259121
BEX1	1.35055	5.988077	5.712019	8.88E-08	2.02E-05	7.647823
CLC	1.310888	10.27496	5.224225	7.88E-07	0.000112	5.59562
RNASE3	1.300328	7.694687	5.679546	1.03E-07	2.24E-05	7.50802
TMEM52B	1.271457	3.782417	6.009936	2.23E-08	7.13E-06	8.949949
PRG2	1.269306	5.248139	6.40501	3.4E-09	1.94E-06	10.72694
SUCNR1	1.267404	5.454886	7.292238	4.17E-11	6.56E-08	14.89046
IFI44	1.236635	5.957745	4.645372	9.09E-06	0.00071	3.307416
LTF	1.222838	11.56249	4.579326	1.19E-05	0.000833	3.057562
DTL	1.209845	4.947292	7.114771	1.02E-10	1.29E-07	14.04115
EPB42	1.194802	5.993956	5.30684	5.48E-07	8.5E-05	5.935708
CA1	1.192677	5.398481	7.54756	1.13E-11	2.1E-08	16.1246
SELENBP1	1.191996	5.788523	5.111086	1.29E-06	0.000159	5.135127
TCN1	1.184615	9.931183	5.320872	5.15E-07	8.05E-05	5.993785
CHI3L1	1.158206	6.534276	5.831878	5.11E-08	1.38E-05	8.167532
NUSAP1	1.131123	6.462043	6.30564	5.48E-09	2.67E-06	10.27495
MX1	1.116084	8.51235	4.481404	1.76E-05	0.001135	2.69163
UHRF1	1.10569	5.366824	5.423783	3.27E-07	5.48E-05	6.422474
HERC5	1.104657	6.777953	3.480204	0.000709	0.018903	-0.71207
DLGAP5	1.070375	4.91755	4.874158	3.53E-06	0.000355	4.191228
CEBPE	1.062846	6.451088	5.766194	6.93E-08	1.69E-05	7.882012
SHCBP1	1.043571	5.152206	4.948277	2.58E-06	0.000279	4.483463
TTK	1.026412	3.916289	5.54558	1.89E-07	3.46E-05	6.935917
KIAA0101	1.024378	6.372184	7.711556	4.86E-12	1.11E-08	16.92422
KIF15	1.022249	4.258342	5.78031	6.49E-08	1.64E-05	7.943227
IFIT3	1.013647	7.899127	3.404029	0.000914	0.022436	-0.94368
ZNF367	0.992828	5.235792	5.800884	5.9E-08	1.53E-05	8.03259
ANLN	0.984523	3.794339	5.844431	4.83E-08	1.32E-05	8.222293
IFI6	0.98072	7.664475	3.424266	0.000855	0.021463	-0.88255
IFIT2	0.975919	8.11622	3.443895	0.000801	0.020657	-0.82299
BUB1B	0.96703	5.574532	4.774687	5.34E-06	0.000479	3.803529
CD38	0.96581	6.302529	5.694893	9.6E-08	2.14E-05	7.574038
ATP8B4	0.962555	6.801725	4.701754	7.21E-06	0.00059	3.522611

MELK	0.962146	4.774276	5.163215	1.03E-06	0.000131	5.346536
PRC1	0.961743	5.059938	4.964733	2.41E-06	0.000265	4.548726
TYMS	0.96083	5.672778	7.393682	2.49E-11	4.24E-08	15.37916
PCNA	0.959781	8.097368	5.920268	3.39E-08	9.92E-06	8.55442
CCNA1	0.956464	4.805948	4.284075	3.82E-05	0.002092	1.97103
ISG15	0.949194	7.960205	3.48812	0.00069	0.018494	-0.68777
SLC4A1	0.948206	5.942641	5.552705	1.83E-07	3.44E-05	6.966154
ALAS2	0.946036	5.230463	6.234964	7.69E-09	3.35E-06	9.955488
NCAPG	0.943923	4.69304	6.468215	2.5E-09	1.68E-06	11.01609
GJB6	0.943869	6.215892	3.386536	0.000969	0.023384	-0.99628
PRSS33	0.943634	5.948215	5.386583	3.85E-07	6.21E-05	6.266961
RAD51AP1	0.933996	5.000204	4.604981	1.07E-05	0.000784	3.154329
EPSTI1	0.932435	6.251681	3.635343	0.000416	0.012699	-0.22775
FRMD3	0.931765	5.966697	6.1241	1.3E-08	4.85E-06	9.457833
NUF2	0.92366	4.461929	5.151963	1.08E-06	0.000136	5.300792
CPA3	0.915669	4.764295	5.05772	1.62E-06	0.000195	4.920068
RAB13	0.913594	8.125207	6.285378	6.04E-09	2.85E-06	10.18319
XK	0.904184	6.213774	3.187242	0.00185	0.037997	-1.57982
DDX60	0.90287	7.2884	3.871641	0.00018	0.006853	0.541576
SLPI	0.897011	8.349706	4.456283	1.95E-05	0.001245	2.598633
SERPING1	0.889041	5.159764	3.413876	0.000885	0.02203	-0.91397
INHBA	0.885937	4.12628	7.100202	1.1E-10	1.29E-07	13.97176
TOP2A	0.883208	4.606731	5.983355	2.53E-08	7.72E-06	8.832383
CDK1	0.879144	4.641083	7.093862	1.14E-10	1.29E-07	13.94158
LCN2	0.87706	11.03352	3.029139	0.003028	0.054023	-2.02174
GINS1	0.876834	4.689471	4.638336	9.35E-06	0.000719	3.280683
PIWIL4	0.876353	5.63101	5.379302	3.98E-07	6.36E-05	6.236593
CDKN3	0.871969	4.895562	5.190721	9.11E-07	0.000122	5.458614
PCOLCE2	0.86834	5.899964	2.831195	0.005475	0.081769	-2.548
OLIG1	0.859918	7.138032	4.052922	9.22E-05	0.004228	1.156699
NFE4	0.852437	8.139625	5.822062	5.35E-08	1.41E-05	8.124756
FAM46C	0.852264	7.409984	5.201703	8.69E-07	0.000118	5.503466
OIP5	0.846727	4.575254	6.180149	9.98E-09	3.93E-06	9.708893
CCNE2	0.846309	4.077393	6.1944	9.33E-09	3.74E-06	9.772904
NDC80	0.84321	4.878113	5.562767	1.75E-07	3.35E-05	7.00889
HMMR	0.841779	5.234174	4.313527	3.41E-05	0.001924	2.077125
RGCC	0.832285	5.521807	7.804611	3E-12	8.78E-09	17.38014
SLC27A2	0.828139	4.787411	6.836267	4.11E-10	3.82E-07	12.72394
CTNNA1	0.818145	5.781889	4.790539	5E-06	0.000459	3.864965
KIF14	0.812375	4.595478	4.882085	3.41E-06	0.000346	4.222347
CCNA2	0.810524	4.930748	5.30218	5.6E-07	8.61E-05	5.916443
XAF1	0.808165	7.014022	3.727202	0.000302	0.010172	0.066857
C12orf75	0.807583	6.708779	3.780316	0.00025	0.008864	0.239808
BCL2L15	0.803572	4.734335	6.456021	2.65E-09	1.7E-06	10.9602
GGH	0.78579	6.604753	4.060108	8.98E-05	0.004147	1.181514
TPX2	0.783154	4.914033	4.496085	1.66E-05	0.001075	2.746147
GMNN	0.780531	6.590789	4.319528	3.33E-05	0.001894	2.098804
MKI67	0.777416	5.339197	5.726995	8.29E-08	1.94E-05	7.712442
CYP4F3	0.77666	10.80677	5.950341	2.95E-08	8.75E-06	8.686736
NCAPG2	0.77644	5.419618	5.22166	7.96E-07	0.000112	5.585114
IFI27	0.775457	4.408339	2.775587	0.006433	0.090401	-2.69032
GMPR	0.770926	5.762715	3.860777	0.000187	0.007055	0.505391
GGTA1P	0.769144	7.024923	4.301091	3.58E-05	0.001996	2.032262
MCM2	0.766285	6.378073	5.446456	2.95E-07	5.07E-05	6.517558
CENPU	0.759901	4.576777	6.464582	2.55E-09	1.68E-06	10.99943
PRKAR2B	0.755701	9.008652	3.005274	0.003257	0.056674	-2.08679
VLDLR	0.755607	3.92052	5.220613	8E-07	0.000112	5.580825
IGJ	0.750178	9.730902	2.741777	0.007087	0.096358	-2.77565

NEIL3	0.745625	3.794969	5.653286	1.16E-07	2.45E-05	7.395282
KLF5	0.745336	6.12654	5.482383	2.51E-07	4.4E-05	6.668693
ATAD2	0.744896	4.854447	5.549191	1.86E-07	3.46E-05	6.951239
GBP1	0.742456	7.227343	3.420666	0.000865	0.021616	-0.89345
SERPINB1C	0.740802	5.587385	3.097776	0.00245	0.046376	-1.83221
RACGAP1	0.737978	6.27271	3.864366	0.000185	0.006985	0.517337
CENPK	0.734724	5.099798	3.113505	0.002333	0.044753	-1.78827
OASL	0.732755	6.284605	3.358029	0.001065	0.025013	-1.08152
SPC25	0.729466	3.25118	5.254788	6.89E-07	0.000101	5.721062
CAMP	0.722484	8.958653	3.569052	0.000524	0.01507	-0.43675
SCARF1	0.722408	5.906289	6.619553	1.2E-09	9.79E-07	11.71349
PLS1	0.712582	4.144718	4.757226	5.74E-06	0.000504	3.736013
DHFR	0.711827	6.785358	5.390449	3.79E-07	6.2E-05	6.283094
FBXO5	0.710182	5.240307	4.819871	4.43E-06	0.000425	3.978992
SGOL2	0.707706	5.266251	4.252501	4.32E-05	0.002302	1.85787
ASPM	0.707322	4.131321	5.595276	1.51E-07	2.97E-05	7.147262
OAS3	0.704095	5.343213	4.030471	0.0001	0.004511	1.079375
TNFRSF17	0.703608	5.90344	2.312508	0.022527	0.207443	-3.77806
TREML1	0.701284	6.679001	2.97727	0.003546	0.060168	-2.16257
PSAT1	0.699455	5.953615	5.685691	1E-07	2.2E-05	7.534441
CYP4F2	0.698921	7.639776	5.747061	7.56E-08	1.8E-05	7.799167
TRIM6	0.698725	4.508655	3.908881	0.000157	0.006243	0.666207
MZB1	0.697617	6.275645	3.356266	0.001071	0.025095	-1.08678
KIF20A	0.696188	4.055959	4.169201	5.95E-05	0.002932	1.562226
MMRN1	0.691167	4.572043	2.711416	0.007726	0.101935	-2.85149
STAT1	0.690849	7.789464	5.215771	8.17E-07	0.000113	5.560999
FANCI	0.687616	5.00409	6.118615	1.34E-08	4.88E-06	9.433328
CEP55	0.685865	4.795834	2.704674	0.007875	0.103157	-2.86823
FEN1	0.685849	5.964082	5.63439	1.27E-07	2.59E-05	7.314337
MYB	0.680554	4.632689	6.449528	2.74E-09	1.7E-06	10.93046
CD274	0.677598	6.551972	4.351602	2.94E-05	0.00169	2.215047
MLC1	0.674497	5.287763	4.989295	2.17E-06	0.000242	4.646394
KIF18B	0.674119	5.496701	4.770042	5.44E-06	0.000482	3.785554
GALNT14	0.665806	7.700618	4.557928	1.3E-05	0.000898	2.977138
GLRX5	0.664459	8.935576	5.178454	9.61E-07	0.000126	5.408584
NUCB2	0.662757	7.491098	4.915009	2.97E-06	0.000309	4.351944
GALM	0.660506	6.34852	5.768346	6.86E-08	1.69E-05	7.891341
DEPDC1B	0.657892	3.443403	4.31861	3.34E-05	0.001896	2.095489
TK1	0.654167	5.463315	6.15279	1.14E-08	4.39E-06	9.586206
TSPAN2	0.64777	7.524507	4.040297	9.67E-05	0.004397	1.113178
FUT4	0.647404	6.439442	5.265656	6.57E-07	9.81E-05	5.765774
TCF19	0.646723	5.463644	6.406549	3.37E-09	1.94E-06	10.73396
TGFB111	0.645151	5.165396	2.622011	0.009923	0.120975	-3.07052
AIM2	0.645128	9.098672	4.144273	6.54E-05	0.003201	1.474582
TIPIN	0.643264	4.613006	3.521883	0.000615	0.016966	-0.58361
STIL	0.64167	4.564462	5.060701	1.6E-06	0.000195	4.932045
LOC64307	0.639661	7.323337	5.167259	1.01E-06	0.00013	5.362992
IFIT5	0.639367	7.272846	2.781081	0.006332	0.089411	-2.67636
MYL9	0.636446	5.79691	4.691688	7.52E-06	0.000613	3.484063
SNCA	0.633654	7.025837	3.972346	0.000124	0.005271	0.880679
LAPTM4B	0.633163	5.720159	4.301691	3.57E-05	0.001996	2.034425
VRK1	0.631664	6.963095	4.281203	3.87E-05	0.002105	1.960711
HJURP	0.630926	4.579074	6.588725	1.39E-09	1.09E-06	11.57086
C15orf65	0.629448	5.339864	4.004528	0.00011	0.004819	0.990424
EGF	0.626984	4.815473	3.568491	0.000525	0.015077	-0.43851
DDX58	0.626269	7.276951	4.428458	2.17E-05	0.001339	2.496049
CDC20	0.625872	5.356453	4.26768	4.08E-05	0.002194	1.912196
SAMD9L	0.625032	8.075071	3.66007	0.000382	0.011935	-0.14901

CPNE3	0.621044	9.430289	4.771061	5.42E-06	0.000482	3.789495
SMC2	0.616368	4.682211	3.901342	0.000161	0.00639	0.640902
RPH3A	0.616332	6.03482	2.498173	0.013895	0.153608	-3.36316
GYPB	0.613821	5.298627	5.706308	9.11E-08	2.05E-05	7.623202
KAZN	0.613206	5.785035	7.068981	1.29E-10	1.39E-07	13.82323
WSB2	0.612147	9.818107	6.10594	1.42E-08	5.01E-06	9.376731
BPGM	0.609769	7.305715	3.533469	0.000591	0.016472	-0.54768
PROS1	0.605881	5.656036	2.86259	0.004993	0.076765	-2.46657
CENPE	0.604149	4.528665	4.054163	9.18E-05	0.004222	1.160982
RTP4	0.603356	6.098994	2.971418	0.00361	0.061141	-2.17833
COL17A1	0.602148	5.090327	3.615625	0.000446	0.01336	-0.29023
CKS2	0.601373	6.896135	3.56043	0.000539	0.015414	-0.46371
GP6	0.600854	7.36717	3.247765	0.001524	0.032832	-1.40569
DSC2	0.597733	6.809391	3.883873	0.000172	0.006675	0.582412
CHAC2	0.593887	4.93669	2.847309	0.005223	0.079219	-2.5063
RRAGD	0.593323	9.010735	5.906572	3.62E-08	1.04E-05	8.494273
CMTM5	0.591536	6.961594	3.108395	0.00237	0.045159	-1.80257
PTTG1	0.590531	7.551962	3.980092	0.000121	0.005154	0.907032
RHAG	0.590465	4.078246	4.893811	3.25E-06	0.000334	4.268438
DHCR24	0.587116	5.365818	4.081612	8.28E-05	0.003852	1.255973
GYP A	0.586862	3.463464	4.81738	4.47E-06	0.000428	3.969292
ANKRD55	0.582458	8.90536	3.114082	0.002329	0.044753	-1.78666
MCM10	0.581776	3.715351	6.377039	3.89E-09	2.15E-06	10.59939
IGLL5	0.58021	6.962729	2.739671	0.00713	0.096746	-2.78093
C9orf40	0.580071	5.898192	5.56866	1.7E-07	3.29E-05	7.033943
FOXM1	0.575845	5.048631	4.716707	6.78E-06	0.000564	3.57997
EZH2	0.575821	5.351307	3.190668	0.00183	0.037737	-1.57003
RHOBTB1	0.575308	4.934846	2.614189	0.01014	0.122699	-3.08938
LOC10272	0.574484	4.08318	4.210101	5.09E-05	0.002589	1.706857
STRADB	0.572745	7.44092	3.154312	0.002053	0.041095	-1.67342
SPTA1	0.569704	3.408416	4.502075	1.62E-05	0.001056	2.768422
TMEM92	0.568217	5.257064	6.40384	3.42E-09	1.94E-06	10.7216
SPIN4	0.567014	5.216638	2.907231	0.004375	0.070276	-2.34945
TTC7B	0.564556	6.20982	3.091437	0.002499	0.046952	-1.84986
SLC28A3	0.564276	4.249124	4.27429	3.97E-05	0.00215	1.935896
CCNB1	0.562755	4.157732	3.241628	0.001555	0.033345	-1.42347
NR2E1	0.560909	5.711215	3.881358	0.000174	0.006696	0.574008
CDC6	0.558893	3.490751	4.958503	2.47E-06	0.000269	4.523999
HPSE	0.558487	8.169534	4.027472	0.000101	0.004551	1.069072
KIF2C	0.55824	4.746828	6.072409	1.66E-08	5.4E-06	9.22729
RFC4	0.557671	5.850569	3.378168	0.000996	0.023843	-1.02136
APOL6	0.553595	5.809075	3.878882	0.000175	0.006733	0.565739
KIF4A	0.55291	4.714171	4.390048	2.53E-05	0.001513	2.35518
NGFRAP1	0.549688	9.130506	2.828001	0.005526	0.082234	-2.55624
SKA2	0.54766	6.197351	3.632817	0.00042	0.012792	-0.23576
SLC2A5	0.547093	4.764503	6.512599	2.02E-09	1.47E-06	11.21989
CDC45	0.546544	4.669334	6.146442	1.17E-08	4.44E-06	9.55778
SELP	0.546318	7.645673	3.066505	0.002699	0.049672	-1.919
DEPDC1	0.543956	3.475258	4.780313	5.22E-06	0.000472	3.825317
HEMGN	0.54229	4.749621	2.902719	0.004435	0.070976	-2.36136
DDIAS	0.542078	7.722866	3.696656	0.000336	0.01095	-0.03175
SLC14A1	0.542076	3.682291	3.591492	0.000485	0.014168	-0.36634
UAP1	0.538669	6.330552	2.503178	0.013711	0.152636	-3.35157
SPTSSA	0.536464	7.767151	3.98029	0.000121	0.005154	0.907706
ARHGAP2	0.534992	5.494465	4.249838	4.37E-05	0.002302	1.848352
CKS1B	0.533607	6.051939	3.19272	0.001818	0.03753	-1.56417
POLE2	0.53213	4.791507	4.393832	2.49E-05	0.001503	2.369022
CAV1	0.531698	3.717296	4.519897	1.51E-05	0.001003	2.834828

USP18	0.529382	4.721372	3.469381	0.000735	0.01937	-0.74523
CCDC125	0.52688	6.132131	4.08315	8.24E-05	0.003845	1.261307
PRTFDC1	0.524558	4.013599	2.998295	0.003327	0.057548	-2.10574
CHIT1	0.523348	6.075152	2.614101	0.010142	0.122699	-3.08959
CENPW	0.522367	6.362444	3.890132	0.000168	0.006567	0.603346
CDCA7L	0.521606	7.233669	2.475524	0.01476	0.159866	-3.41531
FAM83D	0.521264	4.322602	5.174216	9.79E-07	0.000128	5.39132
FHL1	0.521012	5.25282	4.549162	1.34E-05	0.000924	2.944263
CDCA5	0.520947	5.460746	4.811745	4.58E-06	0.000434	3.94736
ISOC1	0.520711	6.733998	2.840933	0.005321	0.08	-2.52282
UBE2C	0.520324	6.575334	4.822743	4.37E-06	0.000424	3.990182
ERG	0.519691	3.958839	5.765174	6.96E-08	1.69E-05	7.877593
IFIH1	0.517999	4.68645	4.291895	3.71E-05	0.002046	1.999151
SH3BGRL2	0.517509	6.455868	2.635711	0.009553	0.118615	-3.03738
SPAG5	0.517191	5.351122	4.743141	6.08E-06	0.000527	3.68167
IGLL3P	0.516727	7.803779	3.389474	0.00096	0.023285	-0.98746
CDT1	0.516674	5.016992	4.670201	8.21E-06	0.000656	3.401965
SPRY2	0.507978	4.387859	2.61973	0.009986	0.121549	-3.07603
PBK	0.506694	3.404115	3.76636	0.000263	0.009154	0.19418
UBE2T	0.505133	4.757477	5.210968	8.34E-07	0.000115	5.541345
GBP3	0.500605	7.475073	2.001427	0.047698	0.321476	-4.40745
BIRC5	0.500424	5.123128	4.8692	3.6E-06	0.000359	4.171779
FAR2	0.500285	7.047871	3.940053	0.00014	0.005734	0.771224
CDCA3	0.49977	5.73941	6.08136	1.59E-08	5.31E-06	9.267141
HIST1H2A	0.499082	5.050341	3.645157	0.000402	0.012421	-0.19655
OAS2	0.497266	5.96687	2.707613	0.00781	0.10257	-2.86094
OR52K3P	0.497063	6.067864	2.730498	0.007319	0.098333	-2.80391
DUT	0.493449	7.914878	5.168748	1E-06	0.00013	5.369052
BATF2	0.493166	5.374422	3.082117	0.002572	0.04789	-1.87576
MAD2L1	0.491944	4.113142	4.455255	1.95E-05	0.001245	2.594836
IGK	0.491904	5.984008	3.031289	0.003008	0.053824	-2.01586
TCTEX1D1	0.490867	3.627244	3.113406	0.002334	0.044753	-1.78855
CEP97	0.489421	5.003963	4.367904	2.76E-05	0.00162	2.27436
DPY19L1P	0.489243	3.590326	4.514516	1.54E-05	0.001015	2.814759
TACSTD2	0.489145	4.588404	5.579683	1.62E-07	3.16E-05	7.080836
OAS1	0.489063	6.760842	2.048747	0.04276	0.301104	-4.31712
GFI1	0.487466	5.056492	4.133621	6.81E-05	0.00332	1.437247
NEK2	0.483575	3.605074	4.578422	1.19E-05	0.000833	3.05416
RMI2	0.482936	5.370703	4.251476	4.34E-05	0.002302	1.854206
RRM1	0.481921	5.810509	4.532594	1.43E-05	0.000969	2.88225
CAV2	0.481353	3.633067	4.114358	7.32E-05	0.003501	1.369911
CDCA2	0.480987	4.508494	4.820852	4.41E-06	0.000425	3.982815
NRN1	0.479984	4.61146	2.81361	0.005762	0.084445	-2.59327
FBXO6	0.479613	7.900619	2.276575	0.02466	0.219575	-3.85501
SLC35D3	0.475686	3.162786	3.675469	0.000362	0.011421	-0.09977
CKAP2L	0.472004	5.2293	5.46722	2.69E-07	4.66E-05	6.604837
HBQ1	0.471837	5.699421	2.999125	0.003319	0.057452	-2.10349
MXI1	0.471779	9.775722	3.679881	0.000356	0.011291	-0.08563
TMCC2	0.470928	5.747476	3.420885	0.000865	0.021616	-0.89279
UBE2L6	0.470803	8.157657	3.058661	0.002766	0.050302	-1.94066
ANKRD33f	0.469776	6.840289	4.384541	2.58E-05	0.001537	2.335054
CDC7	0.46873	5.260283	2.814641	0.005745	0.084332	-2.59062
FBXL13	0.466584	4.591116	5.444602	2.98E-07	5.07E-05	6.509774
SLFN13	0.466579	4.593803	4.120566	7.15E-05	0.003427	1.391587
TRIM58	0.465172	5.599605	2.643549	0.009347	0.116413	-3.01835
ZWILCH	0.464263	5.179661	3.06471	0.002714	0.04977	-1.92396
CPNE2	0.463504	8.51559	2.801012	0.005977	0.086069	-2.62555
NCAPH	0.463199	4.837325	4.428454	2.17E-05	0.001339	2.496034

TMEM158	0.462835	5.819094	2.340178	0.020997	0.19863	-3.71806
TNFAIP6	0.459729	10.23974	3.47917	0.000711	0.018919	-0.71524
BAMBI	0.456935	4.901127	3.972608	0.000124	0.005271	0.881571
C1orf198	0.455	6.11378	3.28749	0.001341	0.029755	-1.28993
DACH1	0.453254	7.440157	3.059409	0.002759	0.050275	-1.93859
NT5C3A	0.451979	10.24836	3.927963	0.000146	0.005947	0.730418
CHMP5	0.450373	9.604827	4.533805	1.43E-05	0.000967	2.886777
HIST1H2A1	0.449494	4.820095	3.688973	0.000345	0.011074	-0.05645
PRIM1	0.44868	6.065568	2.902579	0.004436	0.070976	-2.36173
MCM6	0.447912	5.311905	4.718717	6.73E-06	0.000562	3.587692
HIST1H1C	0.444241	8.063754	3.161366	0.002007	0.040388	-1.65343
AGPS	0.443886	6.296463	3.292851	0.001318	0.029498	-1.27421
COL6A3	0.442786	5.034991	2.619043	0.010005	0.121708	-3.07768
MCU	0.441759	7.277459	3.779007	0.000251	0.008887	0.235525
IFI35	0.44156	7.985828	2.186878	0.030774	0.250329	-4.04228
FECH	0.441426	5.258498	3.502867	0.000656	0.017786	-0.64237
PPBP	0.44097	11.89882	2.388675	0.018535	0.183574	-3.61134
VSTM1	0.440728	6.911992	2.685981	0.008301	0.10737	-2.91446
RFC5	0.439904	5.531142	5.046119	1.7E-06	0.000202	4.873505
TOR1B	0.438351	8.557374	4.082702	8.25E-05	0.003845	1.259752
LOC10050	0.435975	8.758171	3.604699	0.000463	0.013758	-0.32474
HIST1H2B1	0.435118	7.354683	2.480785	0.014555	0.158471	-3.40323
SLC22A16	0.434076	4.834638	4.208538	5.12E-05	0.002598	1.701313
ZBP1	0.43347	5.755538	2.798883	0.006014	0.086358	-2.63099
PARP14	0.432853	5.830408	4.19927	5.3E-05	0.002674	1.668458
SPAG1	0.432151	4.701399	2.290114	0.023836	0.215524	-3.82614
GUCY1B3	0.43187	5.51123	2.255483	0.025992	0.225459	-3.89966
MASTL	0.431539	4.5735	2.979822	0.003519	0.059804	-2.15569
KLF1	0.430816	4.48547	3.495077	0.000674	0.018165	-0.66637
MND1	0.429796	3.23166	4.730835	6.4E-06	0.000541	3.634278
TRIM16	0.428374	4.744594	4.431369	2.15E-05	0.001336	2.506761
FAS	0.427307	8.264364	3.166925	0.001972	0.03996	-1.63766
PRRG4	0.427157	7.425465	2.986757	0.003446	0.059002	-2.13697
HIST1H2B1	0.426048	6.929115	3.382252	0.000983	0.023579	-1.00913
TPM1	0.42463	5.494645	4.621399	1E-05	0.000751	3.216447
ZCCHC2	0.423597	6.27851	3.132975	0.002195	0.042804	-1.73363
CITED2	0.423174	6.930349	6.086028	1.56E-08	5.31E-06	9.28794
LGALS12	0.422645	6.338636	3.257453	0.001477	0.032162	-1.37757
EIF2AK2	0.422121	7.489072	3.693243	0.00034	0.011046	-0.04272
RNASE2	0.422088	10.92004	2.532463	0.012673	0.143973	-3.28339
BRI3BP	0.420545	8.145178	3.122798	0.002266	0.043784	-1.76222
KIFC1	0.419105	6.483357	4.636901	9.41E-06	0.00072	3.275234
PROM1	0.417368	3.349078	3.560775	0.000539	0.015414	-0.46263
CYP27A1	0.41712	6.775499	3.717553	0.000312	0.010405	0.035642
SAMD9	0.417103	8.228951	3.252734	0.0015	0.032551	-1.39127
SIGLEC1	0.417092	4.577403	3.221055	0.001661	0.034915	-1.48287
LOC10106	0.416462	6.99703	3.701482	0.00033	0.010845	-0.01621
TMEM55A	0.416427	9.362318	3.810027	0.000225	0.008165	0.337376
FANCL	0.414957	4.769571	2.655445	0.009043	0.114288	-2.98937
IGLJ3	0.414568	6.177321	2.857971	0.005062	0.077466	-2.4786
RHD	0.413274	4.844832	4.665143	8.38E-06	0.000665	3.382677
OPTN	0.413105	6.418479	3.226811	0.00163	0.034403	-1.46628
ITGA2B	0.41271	5.951324	2.090758	0.03875	0.28266	-4.23528
IGLV1-44	0.412105	6.041863	2.785323	0.006255	0.088629	-2.66557
IGF2BP3	0.411467	4.719688	3.061859	0.002738	0.050075	-1.93183
MSRB3	0.410715	5.408483	4.857937	3.77E-06	0.000373	4.127649
MT2A	0.410429	8.60444	3.806	0.000228	0.008254	0.324117
ANP32E	0.409913	8.344048	2.709749	0.007763	0.102214	-2.85563

ASF1B	0.409894	6.231197	3.578724	0.000507	0.014701	-0.40645
FZD6	0.409479	3.615897	2.996515	0.003345	0.057763	-2.11056
CD46	0.409353	8.960873	3.417461	0.000874	0.021821	-0.90314
MCM4	0.408858	4.762179	5.72264	8.46E-08	1.94E-05	7.693643
LOC10192	0.408624	5.399539	3.638499	0.000412	0.012586	-0.21772
ABCB10	0.408375	7.036825	2.35333	0.020302	0.19394	-3.68932
NETO2	0.408193	5.225711	3.289183	0.001333	0.029689	-1.28497
ADCY3	0.408017	5.801499	2.634781	0.009578	0.118818	-3.03963
GCLM	0.407315	8.1649	2.908485	0.004359	0.070157	-2.34614
TMEM56	0.407024	3.231248	4.617585	1.02E-05	0.00076	3.202001
AURKB	0.406312	4.481321	5.672236	1.06E-07	2.28E-05	7.47661
EPAS1	0.406178	5.383322	4.683511	7.77E-06	0.000629	3.452792
PLK4	0.40443	3.524151	5.630012	1.29E-07	2.59E-05	7.295605
DMTN	0.404406	7.170931	2.228278	0.027804	0.235493	-3.9567
FHL2	0.403622	4.917081	3.33913	0.001133	0.026254	-1.13772
RBPMS2	0.403385	5.052242	3.294322	0.001311	0.029422	-1.2699
ANXA4	0.401856	8.42161	3.563595	0.000534	0.01529	-0.45382
SLAMF7	0.401303	6.161205	2.692066	0.00816	0.105949	-2.89944
HOXA10	0.400579	4.766105	5.545593	1.89E-07	3.46E-05	6.935975
SPARC	0.40003	6.480204	2.091335	0.038697	0.282505	-4.23414
BRIP1	0.399928	3.351914	4.226829	4.77E-05	0.002465	1.766305
H2BFS	0.399897	9.224814	2.127585	0.035505	0.269275	-4.16228
NET1	0.398734	5.039093	3.372	0.001017	0.024137	-1.03982
AURKA	0.398479	4.604457	3.995762	0.000114	0.004957	0.960464
SIAH2	0.396803	8.355608	2.908328	0.004361	0.070157	-2.34655
GBP4	0.396415	5.076995	2.788125	0.006204	0.088159	-2.65844
ERV3-2	0.395865	7.327332	2.185593	0.03087	0.250651	-4.04491
TRIM21	0.395863	8.409455	3.174876	0.001923	0.039123	-1.61506
ITGB3	0.395851	5.346346	3.015595	0.003156	0.055601	-2.05871
SLC1A4	0.395219	5.504356	4.591416	1.13E-05	0.000804	3.103119
HDC	0.394661	5.449228	4.436867	2.1E-05	0.001315	2.527003
EPX	0.390581	4.363921	4.585437	1.16E-05	0.000815	3.080581
APP	0.390445	7.704334	4.366666	2.77E-05	0.00162	2.26985
TEX2	0.389493	7.094481	4.121429	7.13E-05	0.003424	1.394601
GUCY1A3	0.388817	4.587015	2.615321	0.010108	0.122528	-3.08665
TRIP13	0.388399	5.019776	3.623147	0.000434	0.013054	-0.26643
NCAPD3	0.387038	6.612313	4.871858	3.56E-06	0.000357	4.182203
ESPL1	0.386802	5.193253	5.216838	8.13E-07	0.000113	5.565367
CHEK1	0.386759	3.987731	5.557599	1.79E-07	3.39E-05	6.986937
CORO2A	0.386221	6.742025	2.536347	0.012541	0.1428	-3.27429
KIF18A	0.386114	3.154136	3.992524	0.000115	0.005006	0.949411
PRG3	0.386023	4.123183	4.403946	2.39E-05	0.001453	2.406053
GADD45G	0.385176	5.467277	4.359186	2.85E-05	0.001645	2.24262
B4GALT5	0.384651	10.80114	4.43696	2.1E-05	0.001315	2.527347
EMB	0.38459	9.055746	4.405585	2.38E-05	0.001448	2.412059
CLEC5A	0.384347	8.256134	2.001479	0.047692	0.321476	-4.40735
CDK2AP1	0.384217	9.301075	3.059551	0.002758	0.050275	-1.9382
POLQ	0.383856	4.578875	5.177801	9.64E-07	0.000126	5.405926
DCAF10	0.383368	6.359742	3.474816	0.000722	0.019125	-0.72859
GF1B	0.38312	5.403751	3.023371	0.003082	0.054794	-2.0375
SLC12A2	0.382261	4.445413	3.449182	0.000786	0.020371	-0.80689
TSPAN5	0.380418	5.718495	2.904922	0.004406	0.070649	-2.35555
HIST1H2BI	0.377878	9.22244	3.103045	0.00241	0.045833	-1.81751
ABLIM3	0.377708	5.517326	3.182363	0.001878	0.038437	-1.59374
SMC4	0.377612	6.212432	3.487844	0.000691	0.018494	-0.68862
SMS	0.376906	7.57021	3.273735	0.001402	0.030876	-1.33014
LINC01266	0.373043	3.399404	3.670295	0.000369	0.011569	-0.11633
YEATS4	0.370649	5.082778	2.845618	0.005249	0.079317	-2.51068

E2F7	0.37055	4.072175	5.631215	1.28E-07	2.59E-05	7.300753
FSTL3	0.369363	5.713968	3.513121	0.000634	0.017342	-0.61072
PDE2A	0.368445	5.189801	3.570725	0.000521	0.015025	-0.43151
HELLS	0.36833	3.76427	4.190387	5.49E-05	0.002751	1.637017
RAD51	0.367453	4.55236	5.763277	7.02E-08	1.69E-05	7.869372
HIST1H2BI	0.367133	11.3121	4.127375	6.97E-05	0.003372	1.415387
CDC A8	0.367037	6.020009	5.243731	7.23E-07	0.000105	5.675632
CDC A7	0.366862	4.557688	3.288381	0.001337	0.029734	-1.28732
MYO10	0.366452	4.423214	4.269776	4.04E-05	0.002182	1.919709
IRF2BP2	0.365991	7.832278	6.351224	4.4E-09	2.31E-06	10.48189
HIST1H2BI	0.364327	7.73631	3.05946	0.002759	0.050275	-1.93845
ANKRD9	0.363946	4.982627	3.949933	0.000135	0.005552	0.804639
FAM117A	0.363724	8.184337	4.612243	1.04E-05	0.000774	3.181785
ASRGL1	0.363492	6.50035	3.649022	0.000397	0.012292	-0.18424
MCM7	0.362812	6.318268	2.626071	0.009812	0.120367	-3.06072
SUSD3	0.362648	5.806875	4.725867	6.53E-06	0.00055	3.615171
HYAL3	0.36236	4.455002	4.227916	4.75E-05	0.002461	1.770175
COL9A3	0.362121	6.416293	3.1409	0.002141	0.042098	-1.7113
ST6GALNA7	0.361063	7.469694	2.863208	0.004984	0.076683	-2.46496
CETP	0.360267	4.620418	2.952657	0.00382	0.063856	-2.22868
ISCA1	0.359503	7.41495	3.328242	0.001174	0.027011	-1.16997
GCH1	0.358045	10.2193	3.258982	0.00147	0.032072	-1.37312
TNFAIP8	0.357481	9.120562	4.59375	1.12E-05	0.000799	3.111922
FAM101B	0.356037	11.58226	3.616841	0.000444	0.013323	-0.28638
YPEL4	0.35439	4.051776	3.166151	0.001977	0.039979	-1.63986
CENPM	0.353966	5.291934	4.219705	4.9E-05	0.002514	1.740968
GFOD1	0.353933	5.261458	4.881785	3.42E-06	0.000346	4.221166
LOC10193	0.35256	3.663032	2.426689	0.016788	0.173495	-3.52631
HBBP1	0.352362	4.176368	4.181515	5.67E-05	0.002825	1.605664
SDC1	0.351103	4.365815	4.455196	1.95E-05	0.001245	2.594617
ARG2	0.350252	4.485695	3.324546	0.001188	0.02726	-1.1809
LOC10029	0.35003	4.382741	2.847304	0.005223	0.079219	-2.50631
JAG1	0.34993	5.181812	6.28259	6.12E-09	2.85E-06	10.17058
NCOA7	0.349036	5.894261	6.088306	1.54E-08	5.31E-06	9.298088
KCNK5	0.34768	4.292395	4.734778	6.3E-06	0.000536	3.649454
DTWD2	0.347596	5.454995	5.60238	1.46E-07	2.91E-05	7.177559
LAMP3	0.347432	3.918974	2.040216	0.043617	0.304292	-4.33355
FAXDC2	0.346313	7.06269	3.08884	0.002519	0.047226	-1.85709
CLEC11A	0.3456	5.4238	3.575292	0.000513	0.01482	-0.41721
MTFMT	0.345325	5.982767	3.25848	0.001473	0.03209	-1.37458
AUNIP	0.345253	4.101808	4.774813	5.34E-06	0.000479	3.804019
ORC6	0.344377	6.930795	3.140829	0.002141	0.042098	-1.7115
PNPT1	0.344266	6.521076	2.088812	0.038928	0.28347	-4.2391
GNG8	0.344148	4.621149	2.509868	0.013467	0.150747	-3.33606
C10orf128	0.343646	5.030597	3.877109	0.000176	0.006744	0.559822
MYBL2	0.343253	5.996556	3.376643	0.001001	0.023908	-1.02593
RAB6B	0.343203	5.285539	4.807332	4.66E-06	0.000439	3.930191
GSR	0.342246	8.133743	3.415313	0.000881	0.021951	-0.90963
PLAU	0.341374	4.55509	5.236074	7.48E-07	0.000107	5.644202
STARD4	0.341272	5.905553	2.884221	0.004685	0.073741	-2.41001
GBE1	0.340711	9.337216	2.922019	0.004187	0.067993	-2.31031
FAM46A	0.340518	6.242644	4.597491	1.1E-05	0.00079	3.126039
DONSON	0.340059	5.570415	2.723138	0.007474	0.099605	-2.82229
VAT1	0.339717	7.633784	2.694381	0.008107	0.10546	-2.89372
IGLC1	0.339615	7.086861	2.723845	0.007459	0.09949	-2.82053
LTBP1	0.339161	6.509959	2.41334	0.017384	0.177414	-3.55631
PPAP2B	0.337899	4.452739	4.1445	6.53E-05	0.003201	1.475379
SCD	0.337033	5.461477	4.69086	7.54E-06	0.000613	3.480894

NCAPD2	0.336559	6.643627	3.658916	0.000384	0.011965	-0.15269
RBM11	0.336512	3.169407	3.442618	0.000804	0.020704	-0.82687
HP	0.336013	10.53482	2.159939	0.032851	0.257643	-4.09717
ND6	0.335833	8.2917	2.157022	0.033083	0.258473	-4.10308
TMEM123	0.335368	10.50415	3.203033	0.001759	0.036614	-1.53465
MTURN	0.335318	6.08749	2.127627	0.035501	0.269275	-4.16219
CASC5	0.33526	3.566659	4.554504	1.31E-05	0.000908	2.964289
PXMP2	0.334047	5.167916	3.936944	0.000142	0.005777	0.760721
SPX	0.33391	4.994308	2.449161	0.015826	0.166407	-3.47548
ID2	0.333908	9.237323	3.769727	0.000259	0.009076	0.205179
SMIM24	0.333359	5.349613	3.844388	0.000199	0.007358	0.450947
EXO1	0.332634	4.372363	4.095576	7.86E-05	0.003702	1.304476
SMIM5	0.332593	6.134942	3.084241	0.002555	0.047619	-1.86987
SH3RF1	0.331668	4.04852	3.66522	0.000375	0.01174	-0.13256
KNTC1	0.33092	4.584857	3.917014	0.000152	0.006117	0.693546
MCUR1	0.330691	5.984813	2.062484	0.041412	0.29453	-4.29053
ZKSCAN7	0.330519	5.109177	3.920258	0.000151	0.006069	0.704462
BRCA2	0.330298	3.141751	4.589648	1.14E-05	0.000807	3.096451
DSCC1	0.329692	4.812257	5.030995	1.81E-06	0.000211	4.812899
C1orf106	0.328748	4.134375	4.097167	7.81E-05	0.003692	1.310009
PDE6H	0.328386	3.374413	3.456889	0.000766	0.020003	-0.7834
SLC26A8	0.328175	7.603092	2.370682	0.019417	0.189103	-3.65117
ETV7	0.327588	4.108271	3.499629	0.000664	0.017935	-0.65235
TMEM45B	0.327304	6.300598	2.085419	0.039241	0.284975	-4.24577
MSANTD3	0.32522	5.706189	3.062931	0.002729	0.049977	-1.92888
ACOT7	0.32495	5.303161	4.644324	9.13E-06	0.00071	3.30343
STON1	0.324363	3.994612	3.149403	0.002085	0.041572	-1.6873
XRCC6BP1	0.324142	5.114139	4.037963	9.75E-05	0.004425	1.105143
PECR	0.323957	7.9254	3.06655	0.002699	0.049672	-1.91888
TMEM38A	0.3239	5.366348	4.113216	7.35E-05	0.003507	1.365924
FANCG	0.323379	6.120634	2.946986	0.003885	0.064424	-2.24385
PTGR1	0.322399	4.333912	4.299574	3.6E-05	0.002002	2.026798
GLDN	0.322184	4.986487	4.222756	4.85E-05	0.002497	1.751815
RAD54L	0.319625	5.086974	4.182819	5.65E-05	0.002818	1.61027
DNA2	0.319335	5.164561	2.88245	0.004709	0.073896	-2.41466
CYBRD1	0.319156	6.433509	2.409944	0.017539	0.1782	-3.56392
MT1X	0.319117	7.481537	2.942226	0.003941	0.06506	-2.25655
YWHAH	0.318941	5.000869	4.922533	2.88E-06	0.000302	4.381637
IGKC	0.318857	5.682502	3.146566	0.002103	0.041771	-1.69531
KIAA1324	0.31737	5.695027	2.18174	0.031161	0.251786	-4.0528
XPO7	0.316866	5.962312	2.723918	0.007457	0.09949	-2.82035
SCP2	0.316558	9.221661	3.348322	0.001099	0.025648	-1.11042
GSTO1	0.316343	10.11126	3.30001	0.001287	0.029042	-1.2532
PEAR1	0.3162	5.120794	2.122825	0.035911	0.270768	-4.17178
SMARCD3	0.316013	5.487619	3.894421	0.000166	0.00649	0.617708
HNRNPLL	0.315582	6.050974	3.238021	0.001573	0.0336	-1.43391
GINS3	0.315565	4.101082	3.643276	0.000405	0.012465	-0.20253
HMG2	0.314926	11.73096	3.387395	0.000966	0.023345	-0.9937
VEGFA	0.314686	5.853231	4.671896	8.15E-06	0.000654	3.408435
IDNK	0.314302	6.951723	2.587633	0.010908	0.128819	-3.15302
CLU	0.314154	6.58772	2.309919	0.022675	0.208619	-3.78364
PGRMC1	0.313412	7.723423	2.608374	0.010303	0.124073	-3.10336
WDR76	0.313384	3.706527	4.66278	8.46E-06	0.000669	3.373671
LOXL3	0.312878	6.235389	4.173349	5.85E-05	0.002894	1.576848
CCL23	0.312404	3.377153	3.542828	0.000573	0.016079	-0.51859
MST4	0.311954	7.513758	3.690644	0.000343	0.011074	-0.05108
CENPL	0.310877	4.43816	3.252001	0.001504	0.032571	-1.3934
SLC2A1	0.309411	5.08986	4.019141	0.000105	0.004654	1.040475

SLA2	0.309177	5.888326	3.283075	0.00136	0.030054	-1.30285
FAM132B	0.308167	4.535371	3.01713	0.003142	0.055463	-2.05453
ITM2C	0.306527	6.247905	3.033397	0.002989	0.053556	-2.01008
RSPH9	0.306516	4.896961	3.362371	0.00105	0.024772	-1.06858
OXTR	0.306291	3.882557	3.747738	0.000281	0.009682	0.133504
ABCC4	0.306265	4.396552	2.556203	0.011884	0.137508	-3.2276
MICB	0.305596	8.205265	2.782512	0.006305	0.089227	-2.67273
TSPO2	0.305348	4.874478	4.078877	8.37E-05	0.003883	1.246484
S100A4	0.304803	12.6659	3.376878	0.001001	0.023908	-1.02523
STMN1	0.304783	4.87231	4.221304	4.87E-05	0.002505	1.746654
GBAP1	0.304543	8.465675	2.24004	0.027008	0.231618	-3.93212
JAZF1	0.304444	8.158298	3.473566	0.000725	0.019158	-0.73242
EPDR1	0.303583	4.606763	2.515071	0.01328	0.148974	-3.32397
KREMEN1	0.303295	5.481461	2.320379	0.022082	0.205379	-3.76106
IL17RB	0.303075	4.739831	4.390757	2.52E-05	0.001513	2.357775
PLD1	0.302932	4.779995	3.367889	0.001031	0.024374	-1.05211
PTH2R	0.302917	3.682676	2.372123	0.019345	0.188545	-3.64799
CXCL10	0.302636	4.144719	2.983831	0.003476	0.059279	-2.14488
FAM65C	0.302521	4.644534	3.410208	0.000896	0.022122	-0.92505
FAM8A1	0.3022	10.4204	3.981439	0.00012	0.00515	0.91162
CDC14B	0.30121	4.258891	3.895145	0.000165	0.006485	0.620133
HDGF	0.300805	9.106062	2.986277	0.003451	0.059038	-2.13827
JAK2	0.299814	7.720281	2.537911	0.012488	0.142356	-3.27063
RPIA	0.299146	7.778835	2.321193	0.022036	0.205329	-3.7593
KIF2A	0.298209	7.015645	2.113012	0.03676	0.273935	-4.19131
SERPINI1	0.297127	5.452848	2.015895	0.046139	0.314491	-4.38004
CRNDE	0.29685	3.07666	3.409011	0.000899	0.022173	-0.92866
HIST1H4J	0.295686	6.127946	3.085677	0.002544	0.047514	-1.86588
KRT1	0.295661	4.574788	2.809347	0.005834	0.084668	-2.60421
ANK1	0.295604	5.034475	3.506276	0.000649	0.01761	-0.63186
DUSP13	0.29417	6.590748	2.526872	0.012866	0.145364	-3.29646
CENPF	0.293725	3.958318	4.24443	4.46E-05	0.002345	1.829041
KIF23	0.293661	3.100796	4.454353	1.96E-05	0.001246	2.591503
SNRNP25	0.293647	7.281063	2.494287	0.01404	0.154639	-3.37213
PLK1	0.293141	4.479002	3.251887	0.001504	0.032571	-1.39373
MPP7	0.291293	6.263931	3.162051	0.002003	0.040341	-1.65149
KCNJ15	0.290748	8.667786	2.592737	0.010756	0.127631	-3.14083
SMOX	0.28956	5.784992	3.394038	0.000945	0.023027	-0.97375
RNF138	0.289543	7.982113	2.772029	0.006499	0.090956	-2.69934
MREG	0.288529	5.142465	2.959946	0.003737	0.063085	-2.20915
WEE1	0.287323	5.490238	2.537073	0.012516	0.142599	-3.27259
SEC14L5	0.287082	4.678645	2.263985	0.025448	0.222566	-3.8817
CDK14	0.286362	6.581884	3.965357	0.000128	0.005332	0.856932
AIG1	0.286319	4.852124	3.165043	0.001984	0.04008	-1.643
TMEM60	0.284629	8.229254	3.029428	0.003026	0.054022	-2.02095
RNASEH2/	0.284036	5.434812	3.204633	0.00175	0.036465	-1.53006
FAM210B	0.283981	7.726005	2.012436	0.046508	0.315847	-4.38661
HTRA3	0.283639	4.777238	3.999553	0.000113	0.004898	0.973414
GINS2	0.283449	4.928535	5.889583	3.91E-08	1.1E-05	8.419768
AACS	0.283359	6.019316	2.875195	0.004811	0.074808	-2.43366
TRIM24	0.283311	5.142852	3.547277	0.000564	0.01599	-0.50474
TRPM6	0.282993	6.167919	3.388523	0.000963	0.023285	-0.99032
GNAZ	0.28262	6.263398	2.213358	0.028844	0.240904	-3.98771
HMGB3	0.282549	5.315351	3.19784	0.001788	0.037073	-1.54952
RIOK3	0.282455	8.254445	4.723729	6.59E-06	0.000553	3.606951
ZNF770	0.281013	6.525568	2.908478	0.004359	0.070157	-2.34616
CLIC4	0.280944	6.120008	2.813441	0.005765	0.084445	-2.5937
LOC10192	0.280897	3.421813	2.765134	0.006629	0.092021	-2.71679

GPSM2	0.280591	5.325737	3.133643	0.00219	0.042766	-1.73175
CCND2	0.280456	5.610758	3.601954	0.000468	0.013824	-0.3334
HYI	0.279005	5.794066	4.4476	2.01E-05	0.001274	2.566573
ELL2	0.278229	5.503902	2.736955	0.007185	0.097176	-2.78774
SPNS3	0.278212	4.988226	2.230011	0.027686	0.235195	-3.95308
AMFR	0.27749	6.403667	2.044857	0.043149	0.302679	-4.32462
WDR34	0.276894	5.18913	3.510873	0.000639	0.017425	-0.61766
MT1F	0.276482	7.134916	3.517178	0.000625	0.017193	-0.59817
BNIP3L	0.276304	10.09599	3.018616	0.003127	0.055308	-2.05048
RBBP8	0.276243	7.017331	1.986074	0.049401	0.328198	-4.43634
GCSAML	0.275701	2.907396	2.983544	0.003479	0.059282	-2.14565
ATP8A1	0.275012	5.081177	4.374063	2.69E-05	0.001587	2.296811
BUB1	0.275007	3.672301	4.524237	1.48E-05	0.000994	2.851027
ZNFX1	0.274565	9.002096	2.262405	0.025548	0.223023	-3.88505
ARL6IP6	0.273998	7.407123	3.848578	0.000196	0.007261	0.46485
DHX58	0.273619	5.610531	2.87596	0.0048	0.074753	-2.43166
ALOX15	0.273308	4.193196	2.531607	0.012702	0.144077	-3.28539
SLC22A15	0.273228	8.65904	2.724982	0.007434	0.099363	-2.81769
C9orf78	0.272814	7.459438	2.873653	0.004833	0.075036	-2.43769
TGM3	0.271938	4.92924	2.338238	0.021101	0.199153	-3.72229
LONRF3	0.271173	5.147992	2.932407	0.004059	0.066409	-2.28272
LOC10050	0.270615	6.80039	2.241037	0.026941	0.231239	-3.93003
SYNM	0.270515	5.112923	2.402872	0.017865	0.179806	-3.57973
PIK3CB	0.270093	7.467903	2.777514	0.006397	0.090148	-2.68543
TLK1	0.269222	4.990592	5.049029	1.68E-06	0.000201	4.88518
TMOD1	0.269156	5.55825	2.647854	0.009236	0.115659	-3.00788
BZRAP1-A	0.26902	6.707608	2.051628	0.042474	0.299901	-4.31156
GTSE1	0.26847	5.040677	4.866884	3.64E-06	0.000361	4.162701
SMIM1	0.266861	5.113018	2.91669	0.004254	0.068755	-2.32444
GPD2	0.266166	5.37244	3.5457	0.000567	0.016054	-0.50965
OSBP2	0.265906	5.101932	3.138013	0.00216	0.042345	-1.71944
HMBS	0.265781	6.42008	2.478687	0.014636	0.159047	-3.40805
ADSS	0.265734	5.638757	4.012533	0.000107	0.004728	1.017825
DENND2C	0.265687	4.478244	2.808522	0.005848	0.084751	-2.60632
MICU1	0.264933	8.40636	2.320784	0.022059	0.205379	-3.76018
TDP2	0.264896	10.66175	2.811334	0.005801	0.0846	-2.59911
RARA-AS1	0.26472	8.301405	2.296753	0.023441	0.213082	-3.81193
CDC25A	0.26465	4.175402	4.036363	9.81E-05	0.004442	1.099637
CCNB2	0.263642	4.715492	4.651456	8.86E-06	0.000695	3.330551
BEND7	0.263394	4.622957	4.539944	1.39E-05	0.00095	2.90974
E2F1	0.263278	5.441264	3.920427	0.000151	0.006069	0.705032
GCNT1	0.262788	6.809307	2.754534	0.006833	0.094095	-2.74356
ANKRD36	0.262466	3.676784	2.370184	0.019442	0.189136	-3.65227
POLA1	0.262238	4.861873	2.793047	0.006117	0.087339	-2.64589
IL5RA	0.26202	4.240902	4.362642	2.82E-05	0.001627	2.255199
NCF1	0.26193	11.11872	3.195342	0.001803	0.037293	-1.55667
HSH2D	0.261504	5.922962	2.063529	0.04131	0.29422	-4.2885
HADH	0.261193	5.634815	2.861006	0.005017	0.077008	-2.4707
TDRD7	0.261123	7.853137	2.747092	0.00698	0.09535	-2.76229
CBX1	0.259929	8.3953	2.593917	0.010721	0.127368	-3.13801
HMG5	0.259424	3.981643	3.543764	0.000571	0.016061	-0.51568
SOCS2	0.259134	4.43777	2.776511	0.006415	0.090278	-2.68797
ANKRD18	0.258847	3.257537	4.294249	3.68E-05	0.002033	2.007623
PARVB	0.25803	5.590194	2.302755	0.023089	0.211006	-3.79905
DCAF12	0.257292	8.914827	2.667119	0.008752	0.111397	-2.96082
HIST1H2B	0.256555	3.858923	2.493536	0.014069	0.154822	-3.37387
LOC28518	0.255745	3.697367	2.901034	0.004457	0.071136	-2.3658
TAP1	0.255097	8.992053	2.333707	0.021346	0.200911	-3.73215

LRRK2	0.254954	10.49439	2.288435	0.023937	0.21634	-3.82973
PKP2	0.254152	3.866579	3.091988	0.002495	0.046931	-1.84833
VEPH1	0.254047	4.011482	3.776954	0.000253	0.008937	0.228805
CLDN12	0.254016	3.836661	2.735301	0.007219	0.097442	-2.79188
GLDC	0.25362	4.417974	2.083913	0.03938	0.285395	-4.24872
TP53INP2	0.253504	6.9987	2.124248	0.035789	0.270262	-4.16894
RILP	0.253253	7.454923	2.979274	0.003525	0.059854	-2.15717
VPS13A	0.252956	4.537479	2.408065	0.017625	0.178535	-3.56812
KNSTRN	0.252849	5.999996	2.418541	0.01715	0.175988	-3.54464
POLE	0.252109	5.995641	2.850734	0.00517	0.078894	-2.49741
KIAA1524	0.251577	2.962621	3.271418	0.001412	0.030995	-1.3369
MPC2	0.251409	6.872247	3.06957	0.002674	0.049376	-1.91053
RAP1GAP	0.250999	5.754288	3.821245	0.000216	0.007912	0.374369
ORC1	0.250359	3.51166	3.827889	0.000211	0.007739	0.396316
CLTCL1	0.249586	6.028427	2.146099	0.033964	0.261959	-4.12513
EIF4E3	0.249521	8.551429	2.465202	0.015169	0.161747	-3.43894
PKMYT1	0.249245	5.722004	3.372958	0.001014	0.024088	-1.03696
LOC81691	0.249222	4.235199	4.110993	7.42E-05	0.003529	1.35817
CD9	0.249176	5.350538	3.764561	0.000264	0.009182	0.188308
LRRC4	0.249027	8.29025	2.580251	0.01113	0.130965	-3.17061
PPP2R5A	0.248581	7.185729	3.739746	0.000289	0.009889	0.107532
SMPD3	0.248394	4.983212	2.662627	0.008863	0.112504	-2.97182
CLEC4E	0.247471	9.495375	2.181514	0.031178	0.251786	-4.05326
WIPI1	0.247316	8.730761	2.046187	0.043016	0.302159	-4.32205
STON2	0.247135	4.222156	2.328324	0.02164	0.202936	-3.74384
KPNA2	0.247111	8.403439	2.693792	0.008121	0.105568	-2.89518
MMP1	0.246302	3.015567	2.112221	0.036829	0.274237	-4.19288
LOXL1	0.24617	4.83864	2.552541	0.012003	0.138446	-3.23623
ELOVL6	0.246093	3.22675	4.277425	3.92E-05	0.00213	1.947146
PMM2	0.246027	6.38005	2.257898	0.025837	0.224583	-3.89457
OLIG2	0.24588	3.752561	3.423385	0.000857	0.021499	-0.88522
C17orf99	0.245845	3.683882	2.939842	0.003969	0.065396	-2.26291
GTPBP2	0.24529	5.531808	2.634138	0.009595	0.118846	-3.04119
CTDSPL	0.244601	4.917011	2.893119	0.004563	0.072431	-2.38665
CYP4F12	0.243833	6.243323	2.430491	0.016622	0.172472	-3.51774
PKP4	0.242642	4.840545	3.021129	0.003103	0.055075	-2.04362
CDCA4	0.24244	6.118616	3.449822	0.000785	0.020353	-0.80494
ZYG11B	0.242408	7.906162	2.378698	0.01902	0.186387	-3.63346
RPA3	0.241445	7.069567	2.045935	0.043041	0.302232	-4.32254
BARD1	0.241258	5.202808	2.066204	0.041053	0.292894	-4.2833
ERCC6L	0.241141	3.796503	3.970256	0.000125	0.00529	0.873574
FAM111A	0.240887	5.560862	4.791535	4.98E-06	0.000459	3.868831
NDC1	0.240544	5.568364	2.182796	0.031081	0.251574	-4.05064
KLHDC8B	0.240419	5.696694	2.471015	0.014937	0.160614	-3.42564
PHF19	0.240273	6.126274	3.655907	0.000388	0.012055	-0.1623
PARPBP	0.240202	3.083016	4.564103	1.26E-05	0.000879	3.00032
RNF213	0.240122	7.103516	2.146216	0.033955	0.261959	-4.1249
MT1HL1	0.240068	8.096694	3.23908	0.001567	0.033549	-1.43084
USP1	0.239608	8.595546	2.61689	0.010064	0.122289	-3.08287
TMEM38B	0.239087	4.967364	2.224167	0.028088	0.237003	-3.96526
PRR11	0.23906	9.326553	2.99487	0.003362	0.058003	-2.11502
CENPN	0.238819	4.372707	4.30343	3.55E-05	0.001989	2.040694
NAV3	0.238748	3.120795	4.701765	7.21E-06	0.00059	3.522652
OXCT1	0.238493	5.771697	2.047744	0.04286	0.30148	-4.31905
DTX3L	0.237957	9.518187	2.592616	0.01076	0.127631	-3.14112
ABCC13	0.237856	3.526696	3.076255	0.002619	0.048591	-1.89202
PER2	0.237817	5.863888	3.009367	0.003217	0.056307	-2.07567
FUT8	0.237194	5.091832	2.302577	0.023099	0.211007	-3.79943

LOC10050	0.236813	3.654877	3.534339	0.00059	0.016472	-0.54498
TMX1	0.236545	8.845321	2.871184	0.004869	0.075242	-2.44414
CMC2	0.236012	7.668003	2.216388	0.028631	0.239606	-3.98143
ARHGEF17	0.235876	6.2633	3.908752	0.000157	0.006243	0.665774
MTRFR2	0.23491	3.734255	3.144407	0.002118	0.041864	-1.70141
PCMT1	0.234753	10.10504	3.011943	0.003192	0.05601	-2.06866
DNAJC9	0.233883	5.343648	2.538311	0.012474	0.142281	-3.26969
TMEM106	0.233852	5.499991	3.424962	0.000853	0.021463	-0.88045
PCDHB12	0.232544	3.979573	2.066675	0.041007	0.292803	-4.28238
HSPA4L	0.231978	2.74312	2.818711	0.005678	0.08364	-2.58016
EBP	0.231603	5.544135	4.437205	2.1E-05	0.001315	2.528249
DIAPH3	0.230748	3.51887	3.987603	0.000118	0.005066	0.932625
BRCA1	0.230667	5.552415	4.255665	4.27E-05	0.002281	1.869183
C10orf11	0.230216	5.795543	2.956018	0.003781	0.063565	-2.21968
SCN9A	0.230138	3.37836	3.062787	0.002731	0.049977	-1.92927
CCNF	0.230048	4.844545	4.599607	1.09E-05	0.000786	3.13403
COL10A1	0.229319	3.759889	3.887263	0.00017	0.006623	0.59375
IL3RA	0.228418	5.998526	2.416779	0.017229	0.176572	-3.5486
HBE1	0.22827	4.657896	2.447071	0.015913	0.166897	-3.48023
FLJ36848	0.228187	4.29064	2.812936	0.005774	0.084448	-2.595
FIGNL1	0.228103	4.591777	1.987728	0.049215	0.327409	-4.43324
DAPP1	0.227858	8.319694	2.390556	0.018445	0.182948	-3.60716
ZC3HAV1	0.227772	3.625738	2.478019	0.014662	0.15916	-3.40959
TPRG1L	0.227447	8.681483	2.485704	0.014365	0.157443	-3.39192
HERC6	0.227421	4.131284	2.650249	0.009175	0.115315	-3.00204
SLCO4C1	0.227265	6.680467	3.328859	0.001172	0.026999	-1.16814
TPST2	0.22711	10.30766	2.166597	0.032326	0.256262	-4.08367
NCK1-AS1	0.226953	5.173301	2.201909	0.029665	0.244603	-4.01138
UBN1	0.226821	9.429497	2.352325	0.020354	0.194349	-3.69152
NLK	0.226512	6.589104	2.042502	0.043386	0.303459	-4.32915
TNS1	0.226495	4.982948	2.038746	0.043766	0.304719	-4.33637
GNB4	0.226454	7.360182	2.924434	0.004157	0.067612	-2.3039
SKA1	0.226421	2.849817	3.757654	0.000271	0.009362	0.165784
LAMP2	0.226329	9.686698	2.447928	0.015877	0.166863	-3.47828
HIST1H2A	0.226026	6.603628	2.509908	0.013466	0.150747	-3.33597
MUC1	0.225857	5.059912	3.690646	0.000343	0.011074	-0.05107
SLC40A1	0.225024	8.532639	3.328035	0.001175	0.027011	-1.17058
LOC10050	0.224758	5.996986	2.058843	0.041765	0.296182	-4.29759
ANO10	0.224693	7.508498	2.286416	0.024058	0.216769	-3.83404
RNF11	0.224558	10.03582	2.801082	0.005976	0.086069	-2.62537
SAMD14	0.22434	4.927875	3.296268	0.001303	0.029301	-1.26419
ADIPOR1	0.22388	10.03757	2.385035	0.018711	0.184686	-3.61942
DNAJC13	0.223818	5.728628	2.883832	0.00469	0.073741	-2.41104
AP1M2	0.223636	5.120043	3.860569	0.000187	0.007055	0.504697
AZI2	0.222956	6.603588	2.312235	0.022542	0.207493	-3.77865
RNF208	0.222912	4.736072	2.369979	0.019452	0.189136	-3.65272
MCM3	0.222713	6.530306	2.104939	0.037471	0.27749	-4.20731
ITGA9	0.222132	3.944057	3.330299	0.001166	0.026903	-1.16388
IGSF10	0.22128	4.400266	3.410352	0.000895	0.022122	-0.92461
DZIP1L	0.2205	4.569199	2.161341	0.03274	0.25697	-4.09433
MAOB	0.220469	3.510714	4.929305	2.8E-06	0.000298	4.408391
MYL6B	0.22046	6.102804	2.402337	0.01789	0.179884	-3.58092
SLC30A1	0.219789	6.240582	2.751744	0.006888	0.094532	-2.75058
IFI27L1	0.21944	5.779764	2.825459	0.005567	0.082645	-2.56279
TMEM11	0.219394	7.663239	2.560817	0.011736	0.13629	-3.2167
JAM3	0.219329	4.791288	3.153284	0.002059	0.041188	-1.67632
PLA2G16	0.219223	5.520336	3.466537	0.000742	0.019514	-0.75393
CITED4	0.219127	5.804104	2.392022	0.018375	0.18252	-3.60391

TNFSF10	0.21907	10.71635	2.595674	0.01067	0.126932	-3.13381
LETM2	0.218958	4.640546	2.279778	0.024462	0.218522	-3.84819
MCTP1	0.218656	7.624731	2.036328	0.044012	0.306005	-4.34101
HEPACAM	0.218592	2.633899	2.704462	0.00788	0.103157	-2.86876
CHRM5	0.21841	3.818777	2.901376	0.004452	0.071119	-2.3649
SUV39H2	0.217655	3.702547	3.021574	0.003099	0.055048	-2.04241
PLCL2	0.217357	6.906249	3.399897	0.000927	0.022691	-0.95612
CDK6	0.216604	4.907205	4.607756	1.06E-05	0.000782	3.164817
HMG3BP1	0.215456	5.511488	3.739385	0.000289	0.009889	0.106362
TROAP	0.215155	5.262243	2.932301	0.00406	0.066409	-2.283
KIAA1211	0.215149	3.054357	3.878593	0.000175	0.006733	0.564773
CD200R1	0.214703	4.369318	3.734018	0.000295	0.010029	0.088945
NXPE3	0.214401	6.351688	2.091157	0.038713	0.282509	-4.2345
PML	0.214381	5.309173	3.290334	0.001328	0.029675	-1.28159
STT3A	0.214232	7.346584	2.231267	0.0276	0.234825	-3.95046
LINC0052f	0.213919	6.91414	2.20026	0.029785	0.245276	-4.01478
PALLD	0.21372	4.399044	2.020943	0.045606	0.312132	-4.37043
IGF2BP2	0.213224	5.45176	2.340959	0.020955	0.198507	-3.71636
CENPO	0.212738	4.71388	4.746142	6.01E-06	0.000523	3.69324
BTG3	0.212704	4.559628	2.930715	0.004079	0.066645	-2.28722
MT1E	0.211202	7.215718	2.878006	0.004771	0.074473	-2.4263
WDHD1	0.211115	3.17273	3.038401	0.002943	0.052972	-1.99637
CLIP1	0.210838	6.026533	2.647379	0.009248	0.115661	-3.00903
SGPP2	0.21072	3.685999	3.551826	0.000555	0.01583	-0.49056
FAM185A	0.210191	5.26328	3.32338	0.001193	0.027333	-1.18434
HIATL1	0.210114	6.745099	2.306036	0.022898	0.210001	-3.792
BTBD6	0.209938	7.090034	2.367493	0.019577	0.189667	-3.6582
TDRP	0.209781	4.414808	2.531964	0.01269	0.144018	-3.28456
NATD1	0.209069	7.509328	2.664474	0.008817	0.112133	-2.9673
UCHL1	0.208935	4.336952	3.881132	0.000174	0.006696	0.573253
MXRA7	0.208767	5.728421	2.082428	0.039518	0.286037	-4.25163
XRN1	0.208746	7.000858	2.13048	0.03526	0.268014	-4.15649
ANP32B	0.208584	9.953061	2.457339	0.015488	0.163993	-3.45688
WHSC1	0.208145	4.729274	3.506198	0.000649	0.01761	-0.6321
CASP3	0.20806	7.896552	2.305766	0.022914	0.210001	-3.79258
PTGDR2	0.20738	4.793643	2.753038	0.006863	0.094363	-2.74733
STAC	0.206926	5.674033	2.022696	0.045422	0.311155	-4.36709
DEGS1	0.206764	9.841046	2.722978	0.007477	0.099605	-2.82269
PPM1A	0.206669	7.536151	2.409737	0.017548	0.1782	-3.56438
PP13439	0.205953	4.315119	2.403899	0.017817	0.179806	-3.57744
THBS4	0.205543	5.355507	2.362076	0.019851	0.191243	-3.67012
PRDX2	0.205005	6.394078	3.957758	0.000131	0.005434	0.83115
C1orf226	0.204241	4.708343	2.406304	0.017706	0.179178	-3.57206
APOBEC3C	0.203634	7.345188	2.745235	0.007018	0.09573	-2.76696
UPB1	0.203484	5.183893	2.89709	0.004509	0.071862	-2.37619
MYL4	0.203127	5.941146	2.424937	0.016865	0.174117	-3.53026
ARNTL2	0.20229	3.727372	5.388014	3.83E-07	6.21E-05	6.272929
RANBP9	0.202168	6.930168	2.027343	0.044937	0.308764	-4.35822
CALD1	0.201888	3.798039	3.869655	0.000181	0.00689	0.534956
CCPG1	0.201791	9.114828	2.43058	0.016618	0.172472	-3.51754
MALL	0.201221	4.446679	2.353723	0.020282	0.19394	-3.68845
HIRA	0.201116	5.348463	3.11591	0.002315	0.044611	-1.78154
CCRN4L	0.200983	4.51195	2.964965	0.003681	0.06224	-2.19568
NCOA4	0.200413	11.90953	2.652886	0.009107	0.114777	-2.99561
PHGDH	0.199736	5.788252	2.843938	0.005274	0.079474	-2.51504
PCYT1B	0.199722	4.086102	3.380858	0.000987	0.02366	-1.0133
PLEKHG3	0.199592	5.85726	2.799116	0.00601	0.086358	-2.6304
EFCAB11	0.199407	3.57376	3.297568	0.001298	0.029241	-1.26037

LOC33966	0.199273	5.03265	2.35047	0.020451	0.195002	-3.69558
TMEM154	0.19921	10.57737	1.988871	0.049087	0.327304	-4.43109
CENPJ	0.198585	3.728549	4.099883	7.73E-05	0.003663	1.319463
RAB11A	0.198361	8.485582	2.062904	0.041371	0.29453	-4.28971
RHOQ	0.198249	7.940203	2.373698	0.019266	0.188087	-3.64451
HIST1H1B	0.197237	3.333201	2.763918	0.006652	0.092155	-2.71987
VCPIP1	0.196572	6.687999	2.044214	0.043214	0.302925	-4.32586
IGLV6-57	0.196291	4.314986	2.38233	0.018842	0.185616	-3.62542
PGM1	0.196135	9.320252	2.120571	0.036104	0.271306	-4.17627
FHDC1	0.195919	5.578399	2.27673	0.02465	0.219575	-3.85467
STARD13	0.195145	3.690804	2.762333	0.006682	0.09245	-2.72387
TFRC	0.194921	5.828529	2.249874	0.026357	0.227275	-3.91147
NEK7	0.194701	10.41061	2.400358	0.017982	0.180219	-3.58534
VEGFC	0.194294	3.555016	2.342248	0.020886	0.198002	-3.71355
TOPORS-1	0.19404	7.618674	2.415851	0.017271	0.176697	-3.55068
FAM160B1	0.193805	6.523715	3.802669	0.000231	0.008318	0.313158
SLC38A5	0.193578	5.089829	2.180493	0.031255	0.252167	-4.05535
KANK1	0.19271	5.039734	3.53335	0.000592	0.016472	-0.54805
KANK2	0.192231	4.664	2.925117	0.004148	0.067527	-2.30209
SYNE1	0.19222	6.122107	1.981317	0.049939	0.32976	-4.44525
TEX30	0.192055	5.085508	2.168919	0.032145	0.255711	-4.07895
SKA3	0.191468	4.790323	2.62423	0.009862	0.120482	-3.06516
LIPH	0.191337	3.834449	2.80938	0.005834	0.084668	-2.60412
CEP63	0.191307	6.357014	2.209071	0.029149	0.242461	-3.99658
ATP2C2	0.190853	5.029564	2.114394	0.036639	0.273718	-4.18856
TDRG1	0.190548	6.02027	2.504125	0.013676	0.1525	-3.34938
MT1H	0.190477	7.85519	2.55745	0.011844	0.137356	-3.22465
MANSC1	0.19046	10.09507	2.400544	0.017973	0.180219	-3.58493
CDC42BP1	0.190446	4.338752	5.137463	1.15E-06	0.000144	5.241936
PDLIM5	0.190157	5.055939	3.694232	0.000339	0.011026	-0.03954
KCNH2	0.18985	4.651835	3.181533	0.001883	0.038459	-1.5961
STBD1	0.189516	3.281069	3.57515	0.000513	0.01482	-0.41765
MIS18A	0.18933	4.576481	2.156401	0.033132	0.258662	-4.10434
FBXO34	0.189068	8.908975	2.376728	0.019116	0.187017	-3.63782
ZRANB1	0.188984	7.235634	1.988792	0.049096	0.327304	-4.43124
ABCG2	0.188955	3.494758	2.780333	0.006345	0.08948	-2.67827
QPRT	0.188772	4.2456	3.22757	0.001626	0.034403	-1.46409
SPATS2	0.188763	4.217142	2.916746	0.004253	0.068755	-2.32429
C14orf1	0.188248	5.017343	2.677922	0.008491	0.109299	-2.9343
CEACAM3	0.188137	7.086109	2.116835	0.036427	0.272452	-4.18371
LDLR	0.187905	5.746814	2.150229	0.033629	0.260752	-4.11681
SLC45A4	0.187761	8.01507	1.987557	0.049235	0.327409	-4.43356
FAM107B	0.187696	10.39184	2.234884	0.027355	0.233171	-3.9429
GRAMD1B	0.187247	5.912189	2.752835	0.006867	0.094363	-2.74784
ACKR1	0.187082	4.293474	2.444362	0.016027	0.167662	-3.48637
INCENP	0.186884	4.37989	2.974827	0.003573	0.060564	-2.16916
SYNJ2	0.186562	4.964574	4.238253	4.57E-05	0.002377	1.807003
GSTM5	0.185487	5.303474	2.415649	0.01728	0.176701	-3.55113
GABARAPI	0.18539	11.40366	2.588933	0.010869	0.12848	-3.14992
ELOVL3	0.185107	3.504538	2.350787	0.020435	0.194935	-3.69488
HHEX	0.184746	9.562093	2.061824	0.041476	0.294832	-4.29181
DSTN	0.184676	6.509319	2.661606	0.008888	0.112686	-2.97432
RMND5A	0.183157	7.169973	2.828455	0.005519	0.082186	-2.55507
GPRC5D	0.183022	5.092599	2.89368	0.004555	0.072367	-2.38517
RUNDC3A	0.182797	5.349766	2.649532	0.009193	0.115403	-3.00379
SLC44A1	0.18245	6.279398	2.117694	0.036353	0.272393	-4.182
RAD54B	0.182159	3.807015	2.575397	0.011279	0.132318	-3.18215
ADI1	0.181975	7.003379	2.729056	0.007349	0.098476	-2.80751

C15orf52	0.180929	5.197944	2.140722	0.034406	0.264268	-4.13595
ARHGEF5	0.180461	4.920151	2.95592	0.003782	0.063565	-2.21994
CSF1	0.180263	5.230258	4.36373	2.8E-05	0.001625	2.25916
SLC17A5	0.180135	6.964059	2.162524	0.032646	0.256841	-4.09193
PRPSAP1	0.179777	6.324728	2.983075	0.003484	0.059317	-2.14692
DDX11	0.179748	5.283397	2.71427	0.007664	0.101371	-2.84439
GSG2	0.17974	4.725107	2.607444	0.01033	0.124096	-3.1056
ZNF660	0.179411	3.574666	3.251152	0.001508	0.032613	-1.39586
CENPH	0.178496	4.557799	2.249268	0.026397	0.227521	-3.91275
VWF	0.178452	4.728181	2.556086	0.011888	0.137508	-3.22787
TSTD1	0.178133	8.524781	2.403171	0.017851	0.179806	-3.57906
KDELC1	0.178008	3.782933	3.05063	0.002835	0.051334	-1.96278
GPR157	0.177882	4.798165	3.347613	0.001102	0.025678	-1.11253
LRRC20	0.177672	5.045697	2.362739	0.019818	0.191187	-3.66866
H2AFX	0.177507	5.25458	2.909755	0.004343	0.070067	-2.34278
CA3	0.177313	2.620223	2.136313	0.034771	0.26543	-4.1448
LOC10192	0.177257	3.315486	2.134018	0.034963	0.266448	-4.14941
RNASEL	0.176862	8.147662	2.112179	0.036833	0.274237	-4.19296
APLN	0.17659	5.295974	2.392448	0.018355	0.182424	-3.60296
EME1	0.175904	5.119465	2.040874	0.04355	0.30406	-4.33228
LOC10159	0.175729	4.588536	2.274926	0.024762	0.219809	-3.85851
STOX2	0.175496	3.571778	4.173515	5.85E-05	0.002894	1.577435
FOXC1	0.175419	4.627616	1.982756	0.049776	0.32976	-4.44255
4-Sep	0.174922	4.183584	2.301803	0.023144	0.211146	-3.8011
C4orf32	0.174755	5.783572	2.389528	0.018494	0.183347	-3.60945
TRIM5	0.174594	5.255481	2.22686	0.027902	0.235984	-3.95965
TRIB3	0.174075	5.181578	2.891227	0.004588	0.072629	-2.39162
CENPA	0.173805	4.925192	2.496852	0.013945	0.153985	-3.36621
DERL3	0.173197	5.269873	2.764324	0.006644	0.092111	-2.71884
AMPD1	0.173061	3.194205	3.500343	0.000662	0.017915	-0.65015
KIF1B	0.172952	7.802192	2.321606	0.022013	0.205207	-3.7584
FANCA	0.172883	5.041401	3.473535	0.000725	0.019158	-0.73251
ADAR	0.172597	11.69393	2.362192	0.019846	0.191243	-3.66986
C11orf21	0.172125	6.920939	2.505973	0.013608	0.151913	-3.3451
PARP2	0.172038	5.13398	2.151191	0.033551	0.260538	-4.11487
GFOD2	0.171958	6.565863	2.116887	0.036423	0.272452	-4.18361
IRAK2	0.171251	4.325952	3.582869	0.000499	0.014534	-0.39344
HIST1H2BC	0.169937	3.309835	2.422237	0.016985	0.175174	-3.53633
RAD51C	0.169341	5.519622	2.012559	0.046495	0.315847	-4.38638
SLCO3A1	0.169338	8.299328	1.995528	0.048347	0.324244	-4.41857
ARHGAP1	0.169201	3.087851	3.085539	0.002545	0.047514	-1.86626
MYCT1	0.169108	4.180456	2.094372	0.038421	0.281275	-4.22817
PLEK2	0.168975	6.006947	2.1741	0.031744	0.254526	-4.0684
TTF2	0.168633	3.764511	2.21959	0.028406	0.238802	-3.97478
CKAP2	0.168425	4.447132	2.223625	0.028125	0.237026	-3.96639
IL15RA	0.167868	6.362565	2.031202	0.044538	0.30795	-4.35084
RAB11FIP5	0.167425	5.556378	3.018643	0.003127	0.055308	-2.0504
DAPK2	0.167303	6.543804	2.248875	0.026423	0.227549	-3.91357
VSIG10	0.167116	3.850314	2.416397	0.017246	0.176618	-3.54945
LINC00895	0.166971	4.2591	2.145548	0.034009	0.262208	-4.12625
LRRCC1	0.166776	3.861699	2.096469	0.038231	0.280889	-4.22404
LYPD3	0.166623	5.566841	2.606977	0.010343	0.12413	-3.10672
RSPH1	0.166084	4.284031	2.494256	0.014042	0.154639	-3.37221
SPNS2	0.165554	5.966305	2.175429	0.031642	0.253906	-4.06569
TIMELESS	0.165171	4.540495	2.872632	0.004848	0.075105	-2.44036
CASP10	0.164316	5.46042	3.451111	0.000781	0.020291	-0.80102
CHAF1A	0.163162	4.988292	3.404195	0.000914	0.022436	-0.94318
AFF2	0.161782	4.129336	3.582362	0.0005	0.014539	-0.39503

CLGN	0.161772	2.785254	2.323893	0.021885	0.204298	-3.75345
SPATS2L	0.161585	3.876808	2.3515	0.020397	0.194669	-3.69332
MYO1B	0.161567	3.715075	3.548002	0.000563	0.01599	-0.50248
REXO2	0.161213	4.973149	2.184677	0.030939	0.25071	-4.04679
CNKS1R1	0.161146	4.243026	2.349135	0.020521	0.195396	-3.6985
CDR2L	0.161141	3.733386	2.447241	0.015906	0.166897	-3.47984
PDXK	0.161134	7.027943	3.07343	0.002642	0.048884	-1.89984
CR1L	0.160758	3.810018	2.027407	0.04493	0.308764	-4.3581
PHLDA1	0.16012	4.489091	3.093661	0.002482	0.0468	-1.84367
LOC64648	0.16012	3.36644	2.945326	0.003905	0.064671	-2.24828
EGLN3	0.160059	4.302224	2.139602	0.034498	0.264582	-4.1382
IL2RA	0.159802	4.572802	2.456089	0.015539	0.164237	-3.45972
HIAT1	0.1598	9.527229	2.185925	0.030845	0.25061	-4.04423
MAP7D2	0.159758	3.313187	3.127091	0.002236	0.043363	-1.75017
TNPO1	0.159214	7.332664	2.948333	0.00387	0.064372	-2.24025
NXF3	0.159203	3.764094	2.097221	0.038163	0.28049	-4.22255
GSN	0.158976	5.609871	2.153376	0.033375	0.259862	-4.11046
NAV1	0.158862	4.522103	3.612214	0.000451	0.013499	-0.30101
DIAPH2	0.158608	5.593786	2.093163	0.038531	0.281676	-4.23055
OTUD1	0.158437	6.617752	2.282245	0.024312	0.21809	-3.84294
GML	0.158158	3.781272	2.16864	0.032167	0.255711	-4.07951
GTF3C5	0.158131	6.495951	2.155272	0.033223	0.258973	-4.10662
C7orf43	0.158113	7.981682	2.056275	0.042017	0.297418	-4.30257
EPB41	0.157817	5.897376	2.654022	0.009079	0.114671	-2.99284
ARL8B	0.157613	8.982342	2.107846	0.037214	0.276396	-4.20155
MAST1	0.157576	4.202582	2.251312	0.026263	0.22656	-3.90845
YAF2	0.157443	4.389342	1.988687	0.049108	0.327304	-4.43143
PRPF18	0.157442	6.030043	2.437541	0.016317	0.169925	-3.50182
PROP1	0.157387	4.61916	2.328088	0.021653	0.202965	-3.74436
TRIM35	0.15698	5.482787	2.140536	0.034421	0.264287	-4.13633
LOC10012	0.15642	3.780111	2.648813	0.009211	0.115493	-3.00554
SERPINE1	0.15635	3.921267	3.513074	0.000634	0.017342	-0.61086
UPK1A	0.155549	3.358131	2.894839	0.00454	0.072287	-2.38212
PDE6A	0.1549	4.002605	2.399029	0.018044	0.180546	-3.5883
RCOR1	0.154763	7.65661	2.935427	0.004022	0.065963	-2.27468
SEC11C	0.154115	6.034729	2.104698	0.037493	0.27749	-4.20779
ZC3H12C	0.153952	3.140342	2.408818	0.01759	0.178361	-3.56644
SPC24	0.153609	4.353389	2.797456	0.006039	0.086533	-2.63464
PRPH2	0.153265	4.747112	2.697108	0.008045	0.104898	-2.88698
APOL5	0.153245	4.184166	2.058606	0.041789	0.296182	-4.29805
CYBB	0.153192	6.70874	2.849545	0.005188	0.078934	-2.5005
RNF217	0.152557	3.801595	2.326013	0.021768	0.203945	-3.74886
LEP	0.152445	3.975193	2.151515	0.033525	0.260538	-4.11421
GLRX2	0.151122	7.334235	2.184728	0.030935	0.25071	-4.04668
FANCE	0.149841	6.039858	2.495009	0.014013	0.154578	-3.37047
PCBP4	0.149383	4.874086	2.410725	0.017503	0.178095	-3.56217
LOC10012	0.149103	4.595964	2.122388	0.035948	0.270768	-4.17265
GOT1	0.148973	5.791159	2.038795	0.043761	0.304719	-4.33628
11-Sep	0.148898	4.451987	2.040324	0.043606	0.304292	-4.33334
TMEM217	0.148848	3.721539	2.208609	0.029182	0.242638	-3.99754
GLRX	0.148729	10.64977	2.363404	0.019784	0.190951	-3.6672
DGKG	0.14845	4.047731	2.562086	0.011696	0.135975	-3.2137
CCNE1	0.148175	4.698833	2.838073	0.005366	0.080376	-2.53023
PRR15L	0.14794	4.365415	2.820761	0.005644	0.083442	-2.57489
SLC18A2	0.147432	3.989478	3.126171	0.002242	0.043447	-1.75276
KLHDC8A	0.147374	4.414741	2.861326	0.005012	0.076993	-2.46986
TRMT5	0.147364	7.338766	2.197195	0.030009	0.24621	-4.02109
DNAJC6	0.146786	3.087178	2.099145	0.037989	0.279835	-4.21876

GATA2	0.146481	5.781036	3.144442	0.002117	0.041864	-1.70131
NMI	0.14619	10.96207	2.166867	0.032305	0.256214	-4.08312
AIM1L	0.145961	4.858404	3.307134	0.001258	0.028565	-1.23226
VKORC1L1	0.145709	4.645173	2.198299	0.029928	0.245842	-4.01882
CYAT1	0.14509	4.880716	2.109546	0.037064	0.275582	-4.19818
MT1G	0.144592	5.144125	2.894189	0.004548	0.072367	-2.38383
LOC10050	0.144354	5.417308	2.305994	0.022901	0.210001	-3.79209
FAM201A	0.144274	2.96926	2.990316	0.003409	0.058564	-2.12735
ABCG4	0.143806	5.646178	2.362512	0.019829	0.191209	-3.66916
RAD51D	0.143767	4.304802	2.573184	0.011347	0.132901	-3.1874
PSG6	0.143241	3.639811	3.965121	0.000128	0.005332	0.856131
TIMD4	0.143138	3.455361	2.238604	0.027104	0.232246	-3.93512
LIPE	0.142877	4.946222	1.99667	0.04822	0.32361	-4.41642
SPTB	0.142551	5.638723	2.04213	0.043423	0.303459	-4.32987
EXOC3L2	0.142193	7.272437	2.864138	0.004971	0.076589	-2.46253
GUSBP11	0.141958	6.781386	2.729202	0.007346	0.098476	-2.80715
SLC7A11	0.141614	3.919094	2.24871	0.026434	0.227549	-3.91392
IQGAP2	0.141454	7.046214	2.229219	0.02774	0.235233	-3.95474
CDC25C	0.141164	3.442638	3.195736	0.0018	0.037284	-1.55554
SLC16A1	0.141079	4.141268	1.992932	0.048634	0.325746	-4.42346
HTATIP2	0.14039	7.103616	2.583522	0.011031	0.130022	-3.16282
DNM1	0.140361	4.324965	2.22082	0.02832	0.238276	-3.97222
ACTA2	0.140332	5.168076	2.32548	0.021797	0.204128	-3.75001
LOC10192	0.140002	3.835204	2.840322	0.005331	0.080025	-2.5244
LOC10192	0.139863	4.809134	2.421751	0.017007	0.175309	-3.53743
LOC14970	0.139679	4.067972	2.676384	0.008528	0.109484	-2.93808
IQGAP3	0.139542	3.835384	3.26352	0.001449	0.031708	-1.35992
CDKL1	0.138586	4.004767	2.676352	0.008529	0.109484	-2.93816
AMOTL1	0.138584	4.322451	3.090324	0.002507	0.047071	-1.85296
DARS2	0.138431	5.097821	2.18179	0.031157	0.251786	-4.05269
ZBTB7C	0.138105	3.963036	3.148972	0.002087	0.041588	-1.68852
NEURL1B	0.138038	4.62423	2.035818	0.044064	0.306263	-4.34199
CRYAB	0.137975	4.236227	2.466487	0.015118	0.16168	-3.436
SMIM10	0.13783	3.389574	3.397803	0.000934	0.022795	-0.96242
DEFA6	0.137729	5.02618	2.461458	0.01532	0.162511	-3.44749
LOC10050	0.137688	4.692444	2.625349	0.009832	0.120408	-3.06246
C1orf112	0.137257	3.369864	2.257906	0.025836	0.224583	-3.89455
SYCE2	0.137066	4.228662	2.317434	0.022247	0.20589	-3.76742
SLC30A3	0.136681	6.587649	2.187412	0.030734	0.250329	-4.04118
STX1B	0.136063	5.626717	2.463628	0.015233	0.162158	-3.44253
LRRTM2	0.135829	3.120045	2.516689	0.013223	0.1485	-3.3202
PPEF1	0.135585	3.864693	2.217631	0.028543	0.239227	-3.97885
SNTB1	0.135105	5.026762	2.346289	0.020671	0.196641	-3.70472
SVOPL	0.134481	3.338331	2.629365	0.009723	0.119913	-3.05275
SLC35C2	0.13438	5.870055	2.447367	0.015901	0.166897	-3.47955
GALNT3	0.134309	6.581783	2.116401	0.036465	0.272613	-4.18457
ST3GAL6	0.133784	5.074491	2.101746	0.037756	0.278794	-4.21362
TMEM17	0.133703	3.278603	2.158967	0.032928	0.258149	-4.09914
ZNF385D	0.13346	4.074779	2.006437	0.047153	0.318749	-4.39798
LOC10192	0.13342	3.471218	2.16485	0.032463	0.256336	-4.08721
C14orf119	0.133291	8.934475	2.165639	0.032401	0.256336	-4.08561
KRTAP4-9	0.133231	3.373879	3.141969	0.002134	0.042064	-1.70829
LOC72817	0.133182	3.593277	2.696715	0.008054	0.104902	-2.88795
GSX2	0.132976	4.543198	2.138885	0.034558	0.264739	-4.13964
RAB3IP	0.132955	3.999201	2.367735	0.019565	0.189667	-3.65766
RUFY1	0.132801	6.178549	2.05795	0.041853	0.296533	-4.29932
ERI2	0.132701	3.553697	2.420953	0.017042	0.175321	-3.53922
CD8B	0.13204	3.732729	1.985622	0.049452	0.328429	-4.43718

WDR26	0.131913	8.098392	2.165449	0.032416	0.256336	-4.086
KEL	0.131503	5.554725	2.012201	0.046533	0.315913	-4.38706
SPTBN1	0.13125	4.534839	3.367632	0.001032	0.024374	-1.05287
PAQR4	0.131043	6.382441	2.126358	0.035609	0.269758	-4.16473
LOC10192	0.130841	3.22417	2.952496	0.003821	0.063856	-2.22911
SLC6A7	0.130747	5.470374	2.124194	0.035794	0.270262	-4.16905
LOC10050	0.130655	3.29231	3.410602	0.000895	0.022122	-0.92386
RASL11A	0.130056	4.525704	2.027211	0.044951	0.308764	-4.35847
N4BP1	0.129951	9.316597	2.292295	0.023705	0.214629	-3.82148
RAB10	0.129798	10.84636	2.013692	0.046374	0.31546	-4.38423
AKAP12	0.129741	3.447615	3.052109	0.002822	0.051146	-1.95871
SLC13A5	0.129332	4.122349	2.188862	0.030625	0.249963	-4.03821
PELI2	0.129299	6.602439	2.238395	0.027118	0.232269	-3.93556
AFAP1L2	0.129227	3.272637	2.270283	0.025051	0.221102	-3.86837
HOXD4	0.129097	3.649963	2.162157	0.032675	0.256841	-4.09268
ZNF521	0.128628	2.877364	2.478249	0.014653	0.159148	-3.40906
SCG5	0.128347	3.139037	2.278945	0.024514	0.218847	-3.84996
ST7-AS1	0.127891	3.559641	2.170035	0.032059	0.255711	-4.07667
KIAA2018	0.12736	5.722005	2.542623	0.01233	0.141182	-3.25957
HRASLS5	0.127252	4.602524	2.209882	0.029092	0.242177	-3.99491
MS4A2	0.126935	3.243823	2.957884	0.00376	0.063426	-2.21468
POM121L	0.126905	3.257894	2.320442	0.022078	0.205379	-3.76092
LMAN1	0.12678	5.212008	2.040837	0.043554	0.30406	-4.33235
LINC01282	0.12655	3.407265	2.027198	0.044952	0.308764	-4.3585
CRHBP	0.126164	3.681472	2.482106	0.014504	0.158433	-3.4002
DRD5	0.125889	4.668798	2.484251	0.014421	0.1578	-3.39526
SHISA2	0.125713	2.661062	3.1763	0.001915	0.038986	-1.61101
HARBI1	0.125309	5.011505	2.349409	0.020507	0.19535	-3.6979
FLJ12825	0.125261	3.415198	2.245814	0.026624	0.228901	-3.92
ECSCR	0.124946	3.921361	2.017908	0.045926	0.313768	-4.37621
DCAF6	0.124861	5.818527	2.868062	0.004914	0.075766	-2.4523
PPIC	0.12449	3.190464	2.737537	0.007173	0.097144	-2.78628
TRAM2	0.124339	5.641948	2.23512	0.027339	0.233171	-3.94241
LRIG1	0.124229	4.091083	3.530542	0.000597	0.016607	-0.55677
HESX1	0.124184	3.410278	2.670475	0.008671	0.110678	-2.95259
SSTR2	0.123586	3.759377	2.603078	0.010455	0.124963	-3.11608
MRAP2	0.123561	3.146923	2.680131	0.008439	0.108875	-2.92887
NAT6	0.123027	5.854924	2.205346	0.029417	0.243793	-4.00428
ANKRD18	0.123008	4.126024	2.412995	0.0174	0.177486	-3.55708
CCDC144C	0.122909	2.69011	3.275112	0.001396	0.030772	-1.32612
SLC8A3	0.122888	4.595192	2.403491	0.017836	0.179806	-3.57835
LY6G6C	0.122832	5.328939	2.002924	0.047535	0.320921	-4.40462
S100A16	0.122483	5.862665	2.374608	0.019221	0.187825	-3.6425
TTLL7	0.122172	3.218222	3.143612	0.002123	0.041928	-1.70365
CYP1A2	0.122109	4.652535	3.0658	0.002705	0.049692	-1.92095
LOC28612	0.121737	3.744737	2.042252	0.043411	0.303459	-4.32963
MED12L	0.12154	3.882033	2.751985	0.006883	0.09453	-2.74998
LOC10192	0.121447	4.709092	3.012681	0.003184	0.055932	-2.06665
KIF26A	0.121425	3.476295	2.702257	0.007929	0.103564	-2.87423
CHDH	0.121078	4.551659	2.387458	0.018594	0.183817	-3.61404
ACAT1	0.119808	4.592342	2.792138	0.006133	0.087385	-2.64821
CLSPN	0.119215	3.233582	3.808158	0.000226	0.008205	0.331221
P2RY4	0.119136	3.946483	2.200109	0.029796	0.245276	-4.01509
ESCO2	0.119091	3.023196	4.284883	3.81E-05	0.002092	1.973933
STMN4	0.118539	4.250784	2.595796	0.010666	0.126932	-3.13352
HIST1H3F	0.118487	3.339244	2.947173	0.003883	0.064424	-2.24335
PSG9	0.118353	4.388784	2.617295	0.010053	0.122224	-3.0819
CENPI	0.118221	3.032029	3.737266	0.000291	0.009931	0.099484

SLC43A1	0.118165	5.25516	2.07412	0.040298	0.289832	-4.26787
NDFIP2	0.117473	3.524	2.090254	0.038796	0.282718	-4.23627
CCL1	0.11746	4.33865	2.016471	0.046078	0.314345	-4.37894
PHACTR3	0.117435	3.064557	2.235931	0.027284	0.233125	-3.94072
FAM26E	0.117377	5.181417	2.465234	0.015168	0.161747	-3.43887
PCDHGB5	0.116748	5.207788	2.826673	0.005547	0.082494	-2.55966
LOC14679	0.11661	3.646205	2.228685	0.027777	0.235445	-3.95585
ZBTB8A	0.116572	2.901125	2.484852	0.014398	0.157716	-3.39388
C18orf12	0.115135	3.7192	2.234864	0.027356	0.233171	-3.94295
TIMP3	0.114907	4.29117	2.429315	0.016673	0.172761	-3.5204
CMBL	0.114712	6.020202	1.989079	0.049064	0.327304	-4.4307
VDR	0.11453	6.337017	2.737203	0.00718	0.097172	-2.78712
LOC10192	0.11426	4.387834	2.000104	0.047843	0.321922	-4.40995
AKAP4	0.114162	3.945621	1.981147	0.049959	0.32976	-4.44556
LOC72794	0.11408	3.69963	2.104385	0.037521	0.27749	-4.20841
EAF2	0.114066	4.190325	2.133279	0.035025	0.266721	-4.15089
TRIM10	0.113999	3.862432	2.744765	0.007027	0.095789	-2.76814
LOC10050	0.113762	5.430908	2.076183	0.040103	0.288933	-4.26385
MUC6	0.113676	4.107045	2.534121	0.012616	0.14358	-3.27951
NPR3	0.113585	3.692192	2.439909	0.016216	0.169118	-3.49646
RNF186	0.113569	4.342366	2.530807	0.01273	0.144229	-3.28726
HIST1H2BI	0.113221	3.996384	2.399183	0.018037	0.180546	-3.58796
MAMDC2	0.11318	2.504542	3.002419	0.003286	0.057001	-2.09455
CD34	0.113075	5.06982	2.085653	0.039219	0.284975	-4.24531
HIST1H2AI	0.113039	3.013812	2.020196	0.045684	0.312431	-4.37186
PINLYP	0.113031	4.240987	2.068568	0.040826	0.291989	-4.2787
HSF2BP	0.112789	4.020879	2.263571	0.025474	0.222566	-3.88258
AGBL5	0.112486	4.468741	2.359653	0.019975	0.192075	-3.67544
KIF24	0.112363	2.80589	2.984113	0.003473	0.059279	-2.14411
LOC28493	0.112247	4.301498	2.730489	0.007319	0.098333	-2.80393
CARHSP1	0.112108	6.059022	2.167155	0.032283	0.256143	-4.08253
SPRY4	0.111702	4.987107	2.631027	0.009678	0.119514	-3.04873
KCNN3	0.111668	3.954901	2.218466	0.028485	0.239168	-3.97711
C21orf58	0.111658	4.340902	2.81114	0.005804	0.0846	-2.59961
DNAH2	0.111349	4.139814	2.700317	0.007973	0.104039	-2.87903
ICA1	0.11069	4.581599	2.672229	0.008628	0.11048	-2.94829
LOC10192	0.110574	5.118127	2.011464	0.046612	0.316239	-4.38845
AQP1	0.109961	3.744574	2.280621	0.024411	0.218462	-3.8464
SH2D4A	0.109923	4.749821	2.06261	0.041399	0.29453	-4.29028
OR2S2	0.109907	4.157919	2.185839	0.030852	0.25061	-4.04441
LOC33980	0.109777	4.660109	2.401442	0.017931	0.180034	-3.58292
GLRA1	0.109407	3.25665	1.991663	0.048775	0.326255	-4.42585
ARSD	0.109279	5.608081	1.983829	0.049655	0.329468	-4.44054
RCL1	0.109263	4.892985	2.68798	0.008255	0.106903	-2.90953
LINC01351	0.108336	3.206424	2.085361	0.039246	0.284975	-4.24588
GPRIN2	0.108044	5.028469	2.633296	0.009617	0.118979	-3.04323
OPN1SW	0.107879	3.639214	2.061522	0.041505	0.294832	-4.29239
LINC00997	0.107675	3.5346	2.625082	0.009839	0.120408	-3.06311
NRIP3	0.107425	4.620491	2.474739	0.01479	0.159959	-3.41711
SLC6A4	0.107195	3.284621	2.097897	0.038102	0.280412	-4.22122
HMGB2	0.106988	8.032505	2.049964	0.042639	0.300547	-4.31477
LOC28581	0.106209	3.694097	2.392411	0.018357	0.182424	-3.60304
LOC10192	0.106058	3.270449	2.224873	0.028039	0.236688	-3.96379
OR10D3	0.106009	4.61348	2.136224	0.034779	0.26543	-4.14498
AAMDC	0.105984	4.722327	2.231719	0.027569	0.234661	-3.94952
ART4	0.105856	3.103544	2.083815	0.03939	0.285395	-4.24891
HIST1H3C	0.105639	4.358199	2.217532	0.02855	0.239227	-3.97905
BDH1	0.1055	4.803889	2.086477	0.039143	0.284646	-4.24369

TRIM69	0.104831	5.574207	2.169399	0.032108	0.255711	-4.07797
HIST1H4A	0.104493	3.650446	2.331564	0.021463	0.201639	-3.73681
THBS2	0.104015	3.779102	2.50298	0.013718	0.152636	-3.35203
FAM162B	0.103848	3.359965	2.46996	0.014979	0.160979	-3.42806
AR	0.10318	3.934161	2.880308	0.004739	0.074195	-2.42027
CAPN13	0.102975	4.10833	2.576963	0.011231	0.131844	-3.17843
OSMR	0.102413	3.311221	3.295624	0.001306	0.02933	-1.26608
CASC17	0.102383	3.548938	2.528595	0.012806	0.144851	-3.29243
C15orf27	0.102215	3.3689	2.199669	0.029828	0.245276	-4.01599
EFNB3	0.10221	4.732089	2.434469	0.016449	0.170942	-3.50876
BOD1L2	0.10208	3.669395	2.213931	0.028804	0.240762	-3.98652
LOC10192	0.101877	2.71375	2.171709	0.031929	0.255523	-4.07327
LINC0118f	0.101614	3.740229	2.124871	0.035736	0.270126	-4.1677
C3orf49	0.101504	4.036513	2.370407	0.019431	0.189136	-3.65177
STARD13-	0.10068	3.675757	2.647638	0.009242	0.115659	-3.0084
CSN2	0.100162	3.279439	2.178065	0.03144	0.252982	-4.06031
LOC10192	0.100144	5.460757	2.186789	0.03078	0.250329	-4.04246
PRKG1	0.100082	3.393546	2.712871	0.007694	0.101642	-2.84787
VANGL2	0.100079	3.23367	2.383757	0.018773	0.185209	-3.62226
LOC10192	0.099713	3.111202	2.780662	0.006339	0.089457	-2.67743
DMC1	0.09909	3.038684	3.33418	0.001151	0.026593	-1.15239
HSPA1L	0.09878	6.416896	2.054919	0.04215	0.297975	-4.30519
A2MP1	0.098722	4.419641	1.98686	0.049313	0.327823	-4.43486
EXOSC3	0.098586	5.269297	2.186244	0.030821	0.250562	-4.04358
IGF1	0.098216	3.943043	2.211702	0.028962	0.241507	-3.99114
C10orf10	0.097905	4.309475	2.176103	0.03159	0.25379	-4.06431
VCAM1	0.097903	3.046284	2.097556	0.038132	0.280421	-4.22189
ABCC6P1	0.097851	2.935856	2.300168	0.02324	0.211632	-3.80461
RAB23	0.097603	3.311698	2.167869	0.032227	0.255966	-4.08108
CDH1	0.097348	3.136188	2.069961	0.040693	0.291547	-4.27598
ICMT	0.097125	5.055641	2.180792	0.031233	0.252104	-4.05474
TTY13	0.096613	3.308215	2.339431	0.021037	0.198639	-3.71969
SGOL1	0.09651	3.429796	2.15341	0.033372	0.259862	-4.11039
STEAP2	0.096481	3.459314	2.117568	0.036364	0.272393	-4.18225
LINC00317	0.096071	4.352133	2.309201	0.022716	0.208904	-3.78519
NXPH2	0.096055	3.481294	2.871658	0.004862	0.075193	-2.4429
TBC1D22B	0.095987	4.824104	2.39346	0.018307	0.182105	-3.60071
KY	0.095839	4.293946	1.993114	0.048614	0.325717	-4.42312
LOC64676	0.095707	4.420273	2.284515	0.024174	0.217401	-3.8381
GNA14	0.095122	3.619662	2.308234	0.022771	0.209321	-3.78727
SLC22A23	0.094437	5.186203	2.442351	0.016112	0.168293	-3.49093
BCL2L13	0.094407	5.332176	2.626132	0.00981	0.120367	-3.06057
CEP128	0.094388	3.8453	2.089282	0.038885	0.283257	-4.23818
GXYLT2	0.094039	3.148096	2.465752	0.015147	0.16168	-3.43768
ONECUT1	0.093821	3.769379	2.072825	0.04042	0.290408	-4.2704
PCDH18	0.093403	4.476335	2.451295	0.015737	0.165814	-3.47063
PERP	0.09332	3.56774	2.428963	0.016688	0.172814	-3.52119
LOC10192	0.092979	4.066491	2.134621	0.034913	0.266162	-4.1482
LINC0011f	0.092337	2.954962	2.324308	0.021862	0.204192	-3.75255
LINC0094f	0.091722	3.844401	2.769955	0.006538	0.091251	-2.70459
PRICKLE2	0.091511	3.487742	2.412547	0.01742	0.177605	-3.55809
MAP1B	0.090716	3.329942	2.037472	0.043895	0.305298	-4.33882
PRELID2	0.090503	4.297831	2.111842	0.036862	0.274283	-4.19363
GINS4	0.089892	3.830669	2.705636	0.007854	0.103013	-2.86585
PTGER3	0.089761	3.369019	2.474939	0.014783	0.159959	-3.41665
MEP1B	0.089468	3.509491	2.029573	0.044706	0.308523	-4.35396
ARHGEF1f	0.089328	3.431646	2.772267	0.006494	0.090956	-2.69874
LINC0092f	0.089101	3.208419	2.071365	0.040559	0.291098	-4.27325

GREB1L	0.088844	3.939447	2.667545	0.008742	0.111382	-2.95978
GIF	0.088793	3.003419	2.504596	0.013659	0.152391	-3.34829
LINC00884	0.088641	4.368941	2.120637	0.036099	0.271306	-4.17614
SLC5A4	0.088627	3.762039	2.070502	0.040641	0.291279	-4.27493
LINC01333	0.088229	3.016456	2.131081	0.03521	0.267729	-4.15529
IGHG1	0.088117	3.907944	2.293327	0.023644	0.214357	-3.81927
MICALL2	0.088005	4.242202	2.184535	0.03095	0.25071	-4.04708
DIAPH2-A	0.087861	3.151837	2.616319	0.01008	0.122409	-3.08425
ATRNL1	0.087448	3.118222	2.840508	0.005328	0.080025	-2.52392
FGFR1	0.086669	5.065685	2.704777	0.007873	0.103157	-2.86798
C3orf80	0.086525	2.407747	2.688003	0.008254	0.106903	-2.90947
DDAH1	0.086427	3.504397	3.040715	0.002923	0.052722	-1.99002
SHROOM4	0.085825	4.348571	2.094709	0.03839	0.281151	-4.2275
FUT2	0.085618	4.770701	2.113916	0.036681	0.273829	-4.18951
SULT1C4	0.085359	3.169552	2.010293	0.046738	0.316566	-4.39067
FAT1	0.084474	2.863619	2.153835	0.033338	0.259772	-4.10953
C16orf95	0.083941	4.880465	2.524406	0.012951	0.145882	-3.30222
LOC65299	0.083654	3.037749	2.402989	0.017859	0.179806	-3.57947
CLDN10-A	0.083322	2.755294	2.216718	0.028607	0.239606	-3.98074
IQCG	0.083095	3.979695	2.082083	0.039551	0.286168	-4.25231
TTC22	0.082745	4.166933	2.121257	0.036045	0.271162	-4.17491
TUSC7	0.082161	3.036389	2.234878	0.027355	0.233171	-3.94292
BRD7P3	0.081676	3.487846	2.143296	0.034194	0.263332	-4.13078
LRTM1	0.081484	3.381452	2.025771	0.0451	0.309679	-4.36122
DTYMK	0.081164	4.570474	2.044501	0.043185	0.302826	-4.3253
PPP1R3C	0.08095	3.248036	2.142646	0.034247	0.263545	-4.13208
LHX2	0.080741	3.191292	2.192537	0.030352	0.24813	-4.03067
VSNL1	0.080606	4.020719	2.068774	0.040806	0.291989	-4.2783
CASZ1	0.080505	4.808972	2.472047	0.014897	0.160466	-3.42328
CNPY1	0.080448	2.63092	2.471956	0.0149	0.160466	-3.42349
LRTOMT	0.080157	4.009618	2.214418	0.028769	0.240577	-3.98551
PTRF	0.079981	4.82024	2.093366	0.038512	0.281641	-4.23015
PABPC4L	0.079597	2.721169	2.012802	0.046469	0.315845	-4.38592
POM121L	0.07937	3.551789	2.008777	0.046901	0.317356	-4.39355
PANX3	0.079066	2.6411	2.183477	0.03103	0.251257	-4.04924
CRISPLD1	0.078606	2.801585	2.313175	0.022489	0.207279	-3.77662
L2HGDH	0.078077	3.604944	2.429584	0.016661	0.172761	-3.51979
FKBP14	0.078044	3.765219	1.987754	0.049212	0.327409	-4.43319
PDCD1LG2	0.077827	3.603855	2.264628	0.025407	0.222543	-3.88035
SBF2-AS1	0.077691	3.4347	2.13245	0.035094	0.267152	-4.15255
PELO	0.077347	4.326402	1.981374	0.049933	0.32976	-4.44514
CLDN8	0.07701	2.718923	2.09358	0.038493	0.2816	-4.22973
ABHD17B	0.076521	5.690328	2.000108	0.047842	0.321922	-4.40994
KERA	0.075988	2.504352	2.129242	0.035365	0.268709	-4.15897
CCSER1	0.075633	2.976433	1.981288	0.049943	0.32976	-4.4453
COL6A6	0.075393	2.781309	2.696953	0.008049	0.104898	-2.88736
C8orf49	0.075177	2.637465	2.027254	0.044946	0.308764	-4.35839
LRRN2	0.075149	3.42349	2.09024	0.038797	0.282718	-4.2363
GYPE	0.074523	2.657354	2.277584	0.024597	0.219307	-3.85286
PARD6B	0.073838	3.09442	2.103015	0.037643	0.278167	-4.21111
ACSM5	0.073452	3.681643	2.095767	0.038294	0.280977	-4.22542
TMPRSS12	0.073404	2.68286	2.229709	0.027706	0.235195	-3.95371
RBM24	0.073122	2.54597	2.226429	0.027932	0.235984	-3.96055
OVOL2	0.072731	3.435073	2.233836	0.027426	0.233601	-3.9451
XG	0.071484	3.347602	2.281063	0.024384	0.21845	-3.84545
ZNF876P	0.071156	2.366399	2.287329	0.024003	0.216752	-3.83209
LINC0096C	0.070917	3.109116	2.019491	0.045759	0.3128	-4.3732
PAK7	0.070901	3.682896	2.008838	0.046894	0.317356	-4.39343

CATR1	0.070894	2.615939	2.095281	0.038338	0.280977	-4.22638
STXBP6	0.070894	3.34639	2.181475	0.031181	0.251786	-4.05334
PCSK6	0.068632	3.908778	2.061434	0.041513	0.294832	-4.29256
LOC34018	0.068177	2.570738	2.091314	0.038699	0.282505	-4.23419
LRRC2	0.067316	2.496657	2.38824	0.018556	0.183693	-3.61231
MIR31HG	0.06709	4.272165	2.076823	0.040043	0.288607	-4.2626
RBBP9	0.06626	3.963022	2.171051	0.03198	0.255711	-4.07461
LRRC28	0.065996	3.967867	2.317805	0.022226	0.205789	-3.76662
LOC10192	0.065956	2.495145	1.991398	0.048805	0.326255	-4.42634
AKR1D1	0.065291	2.670043	2.001216	0.047721	0.321514	-4.40785
MET	0.064783	3.725905	2.26043	0.025674	0.223647	-3.88922
USP49	0.061553	4.116889	2.201845	0.02967	0.244603	-4.01151
TAF7L	0.061473	3.118622	2.139749	0.034486	0.264582	-4.13791
GPX5	0.060904	3.068882	1.980824	0.049995	0.329895	-4.44617
GRID1	0.060868	3.820939	2.028621	0.044804	0.308682	-4.35578
MTBP	0.060778	2.890789	2.567646	0.01152	0.134468	-3.20054
SLC6A1	0.060574	2.796718	2.029181	0.044746	0.308682	-4.35471
ZFHX4	0.059416	3.325663	2.545867	0.012222	0.140419	-3.25194
ATP6V0D2	0.054548	4.401773	2.078103	0.039922	0.288146	-4.26009
LOC64242	0.048715	2.3151	2.097477	0.03814	0.280421	-4.22205
LUM	0.045818	2.450111	2.071046	0.040589	0.291214	-4.27387
LOC40109	-0.057	2.52386	-1.98362	0.049678	0.329501	-4.44093
ZNF7	-0.05919	4.35987	-2.27064	0.025028	0.221102	-3.8676
LOC10050	-0.06008	2.553001	-2.31791	0.02222	0.205789	-3.7664
EIF4G2	-0.06046	6.882062	-2.25454	0.026054	0.225703	-3.90166
AXDND1	-0.06241	2.713485	-2.2568	0.025907	0.224912	-3.89689
TTC12	-0.06427	4.299659	-2.14273	0.03424	0.263545	-4.13192
EIF4A2	-0.06503	2.744983	-2.28052	0.024417	0.218462	-3.84662
ZNF568	-0.06526	3.109035	-2.62373	0.009876	0.120571	-3.06637
RGMB	-0.06594	3.721899	-2.2123	0.028919	0.241332	-3.98989
GH1	-0.06597	4.293977	-1.98321	0.049724	0.329624	-4.4417
CTTNBP2	-0.06827	2.493674	-2.13608	0.034791	0.26543	-4.14527
CNTNAP2	-0.06882	3.598706	-2.14023	0.034446	0.26438	-4.13694
LOC37519	-0.06899	2.86616	-2.02893	0.044772	0.308682	-4.35519
FGD6	-0.06965	3.281991	-2.01659	0.046066	0.314345	-4.37872
SCARB1	-0.06997	4.395065	-2.20708	0.029292	0.243052	-4.00069
OTUD7A	-0.07041	3.601442	-2.0858	0.039206	0.284975	-4.24502
AGBL3	-0.07307	2.48668	-2.28479	0.024157	0.217368	-3.83751
BTBD9	-0.07435	4.923976	-2.03386	0.044264	0.307028	-4.34574
IL16	-0.07509	6.88625	-2.03488	0.04416	0.306618	-4.3438
ZNF362	-0.07512	5.185214	-2.02803	0.044865	0.308764	-4.35691
TMEM231	-0.07584	3.411924	-2.40464	0.017783	0.1796	-3.57578
RTKN2	-0.07599	2.585201	-2.30583	0.02291	0.210001	-3.79244
PTGR2	-0.07672	2.396741	-2.12826	0.035448	0.269042	-4.16094
ZFP28	-0.07672	3.768717	-3.11517	0.002321	0.044672	-1.78362
CDHR3	-0.07711	3.298421	-2.26447	0.025417	0.222543	-3.88068
HPS4	-0.07738	4.912945	-2.40342	0.017839	0.179806	-3.5785
TSC22D2	-0.07788	4.118911	-2.19461	0.030199	0.247282	-4.0264
RPS8	-0.07806	3.295353	-2.11707	0.036407	0.272452	-4.18325
LOC10050	-0.07949	3.475189	-2.09912	0.037992	0.279835	-4.21881
CYTH3	-0.08084	4.631153	-2.02331	0.045357	0.310922	-4.36592
ZCCHC4	-0.08089	3.395678	-2.64118	0.009409	0.11704	-3.0241
PAXBP1-A	-0.08095	3.85728	-2.0209	0.04561	0.312132	-4.37051
KCNN2	-0.08102	2.94432	-2.22932	0.027733	0.235233	-3.95452
TNRC6C	-0.08104	4.98461	-2.27797	0.024574	0.219192	-3.85204
SAMM50	-0.0818	5.638709	-2.05623	0.042021	0.297418	-4.30266
STK35	-0.08207	5.544689	-2.51172	0.013401	0.150166	-3.33177
ZBTB40	-0.08238	5.478693	-2.26536	0.025361	0.22224	-3.8788

WNT16	-0.08309	3.498877	-2.78917	0.006185	0.087954	-2.65577
RPAIN	-0.08327	4.033969	-2.7455	0.007012	0.095721	-2.76629
MLLT4	-0.08363	3.628336	-2.16816	0.032205	0.255911	-4.08049
STARD9	-0.08364	4.106553	-2.2835	0.024235	0.217789	-3.84027
SLC38A7	-0.08378	4.978377	-2.31325	0.022484	0.207279	-3.77646
CNR1	-0.0844	3.733508	-2.16354	0.032566	0.256688	-4.08986
CCAR2	-0.08447	4.317485	-2.36373	0.019767	0.190882	-3.66648
RALGAPA1	-0.08454	4.222794	-2.05108	0.042529	0.300051	-4.31262
FAM45A	-0.08465	3.117454	-2.12217	0.035967	0.270768	-4.17308
SLC25A53	-0.08475	2.923442	-2.05865	0.041784	0.296182	-4.29797
ZNF555	-0.08523	3.860552	-2.04872	0.042763	0.301104	-4.31718
KLHDC4	-0.08569	4.766	-1.99881	0.047984	0.322344	-4.41238
CROT	-0.08607	3.771781	-2.16212	0.032678	0.256841	-4.09276
URB1	-0.0862	3.860997	-1.98921	0.049049	0.327304	-4.43044
LINC0109E	-0.08629	2.634317	-2.01037	0.04673	0.316566	-4.39053
ZNF649	-0.08652	3.274478	-2.20242	0.029628	0.244456	-4.01032
AAK1	-0.08719	5.493538	-2.38138	0.018888	0.185895	-3.62753
DGKE	-0.0874	3.628506	-2.00577	0.047226	0.31905	-4.39925
HMCN1	-0.0874	2.385859	-2.81542	0.005732	0.084206	-2.58862
FAM184A	-0.08745	3.677296	-2.03926	0.043713	0.304695	-4.33538
SENP5	-0.08755	5.395039	-2.40214	0.017899	0.179884	-3.58137
STK24	-0.08763	6.637936	-2.03858	0.043782	0.304719	-4.33668
BTN2A2	-0.08778	4.439047	-2.09988	0.037924	0.279638	-4.21732
CIITA	-0.08789	5.06074	-2.11093	0.036942	0.274775	-4.19543
FMN1	-0.08794	3.983235	-2.12351	0.035852	0.270506	-4.17042
CARS2	-0.0881	4.936854	-2.35605	0.020161	0.193316	-3.68336
TLDC1	-0.08907	4.098658	-2.61159	0.010213	0.123141	-3.09564
TCEB3	-0.08908	5.56892	-2.14183	0.034314	0.263861	-4.13372
DYNC1H1	-0.08938	4.917696	-2.40859	0.017601	0.178378	-3.56694
FLJ38379	-0.08953	2.744891	-2.16494	0.032456	0.256336	-4.08702
LCE2B	-0.08963	3.695022	-2.31893	0.022163	0.205769	-3.76418
TRAF1	-0.09029	4.592488	-1.98317	0.049729	0.329624	-4.44177
ZNF346	-0.09063	4.92096	-2.22222	0.028222	0.237747	-3.9693
LINC0047E	-0.09087	3.577156	-2.25824	0.025815	0.224583	-3.89385
LOC10272	-0.0911	2.624049	-2.56239	0.011686	0.135975	-3.21299
DDX31	-0.09125	4.714491	-2.73263	0.007274	0.098056	-2.79856
SDK2	-0.09126	4.876807	-2.5266	0.012875	0.145389	-3.29709
SEMA4F	-0.09129	4.967007	-2.16912	0.03213	0.255711	-4.07855
PIGG	-0.09221	5.231752	-2.84683	0.00523	0.079245	-2.50753
NCL	-0.09235	6.536192	-2.01056	0.046709	0.316566	-4.39018
CXCL2	-0.09303	3.788597	-2.00574	0.047229	0.31905	-4.3993
FIRRE	-0.09307	3.057818	-2.02845	0.044822	0.308684	-4.35611
ZNF142	-0.09401	5.847373	-2.05922	0.041729	0.296064	-4.29686
ZNF594	-0.09471	3.979882	-2.05937	0.041714	0.296062	-4.29656
GDPD1	-0.09538	3.352969	-2.0786	0.039876	0.287956	-4.25913
CTGF	-0.09539	2.854955	-2.45655	0.01552	0.164123	-3.45868
PI4K2A	-0.09568	5.159294	-2.7908	0.006156	0.087601	-2.65162
CARF	-0.0959	3.216072	-2.16233	0.032662	0.256841	-4.09234
TSEN54	-0.09599	6.243363	-2.05295	0.042344	0.299185	-4.309
DLGAP4	-0.09617	6.288138	-2.40941	0.017563	0.178265	-3.56512
PACS2	-0.09647	6.068066	-2.07059	0.040633	0.291279	-4.27475
MAP3K9	-0.09659	4.320166	-2.27562	0.024718	0.219809	-3.85703
ZNF252P-	-0.09691	3.008589	-2.22743	0.027863	0.235787	-3.95847
NPC1	-0.09714	4.39696	-2.37701	0.019102	0.187017	-3.63718
EXOSC2	-0.09726	4.988975	-2.1477	0.033834	0.261542	-4.1219
NLN	-0.09735	5.062161	-2.06364	0.0413	0.29422	-4.28829
UST	-0.09736	3.541626	-2.47536	0.014766	0.159866	-3.41569
RNF216	-0.09753	5.462056	-2.08816	0.038989	0.283808	-4.24039

IRGQ	-0.09781	4.822347	-3.2892	0.001333	0.029689	-1.28491
SF3B2	-0.09817	7.17504	-2.01201	0.046553	0.315945	-4.38741
TCL6	-0.09822	4.032832	-2.39744	0.018119	0.180938	-3.59184
LINC0135E	-0.09847	3.835436	-2.07445	0.040267	0.289712	-4.26724
WARS2	-0.09871	3.720237	-2.0437	0.043266	0.302978	-4.32685
RMDN2	-0.09912	3.975826	-2.47255	0.014877	0.160417	-3.42213
ATP1B3	-0.09928	5.424533	-2.474	0.014819	0.160188	-3.4188
DOCK9	-0.09936	3.999224	-2.10631	0.03735	0.276903	-4.2046
HS3ST1	-0.09952	3.75767	-2.51587	0.013252	0.148745	-3.32211
RIMKLB	-0.0998	3.930896	-2.02833	0.044835	0.308684	-4.35634
ZNF416	-0.10001	3.732237	-2.17168	0.031931	0.255523	-4.07333
RPL7	-0.10019	9.431875	-2.30571	0.022917	0.210001	-3.7927
MMAA	-0.10033	3.462938	-2.59983	0.010548	0.125782	-3.12385
ZNF85	-0.10036	4.891168	-2.05119	0.042517	0.300051	-4.31239
UQCC1	-0.10043	4.801605	-2.8298	0.005497	0.081982	-2.55159
DHX57	-0.1006	4.385784	-2.31794	0.022219	0.205789	-3.76633
ZDHHC9	-0.10083	4.926601	-2.09063	0.038762	0.28266	-4.23553
NBEAL1	-0.10139	3.465849	-2.34358	0.020815	0.197548	-3.71064
USP40	-0.10142	4.878024	-2.27069	0.025025	0.221102	-3.86751
HGSNAT	-0.10145	5.193809	-2.13631	0.034772	0.26543	-4.14481
OSBPL10	-0.10145	4.726807	-2.24524	0.026662	0.229038	-3.92122
PHC2	-0.10158	7.663549	-2.01059	0.046706	0.316566	-4.39012
TTC7A	-0.10186	5.052018	-2.04849	0.042786	0.301104	-4.31761
ZNF345	-0.10198	3.895931	-2.76952	0.006546	0.091303	-2.7057
BMS1P5	-0.10217	4.246994	-2.24745	0.026516	0.228068	-3.91656
WDR52	-0.10259	3.416962	-2.46963	0.014992	0.161037	-3.42882
PTPDC1	-0.10276	3.9567	-2.6001	0.010541	0.125782	-3.12321
SERPINB6	-0.10313	4.593128	-2.54439	0.012271	0.140902	-3.25541
USP36	-0.10315	5.010852	-2.67772	0.008496	0.109299	-2.93479
TCL1B	-0.10351	5.436716	-2.28314	0.024257	0.217869	-3.84103
PTPN9	-0.10356	4.686031	-2.27982	0.02446	0.218522	-3.8481
THRБ	-0.10369	3.481471	-2.14937	0.033698	0.260793	-4.11855
LOC64373	-0.10398	3.92921	-2.25139	0.026258	0.22656	-3.90828
COG8	-0.10429	5.631494	-2.61353	0.010158	0.122699	-3.09096
FMNL3	-0.10494	4.273527	-2.62737	0.009777	0.120151	-3.05758
KIAA0020	-0.10519	4.838147	-2.61372	0.010153	0.122699	-3.0905
ZNF333	-0.10565	5.076378	-2.0297	0.044692	0.308523	-4.3537
PHF20	-0.10577	6.45514	-2.46843	0.01504	0.161115	-3.43156
ACAA2	-0.10583	5.845997	-2.04382	0.043253	0.302978	-4.32661
CYP2U1	-0.10632	3.688728	-2.64212	0.009385	0.116807	-3.02183
MYEF2	-0.10649	3.364642	-2.60746	0.010329	0.124096	-3.10555
PCBP1-AS	-0.10665	4.6843	-2.80854	0.005848	0.084751	-2.60629
MAP3K6	-0.10668	4.273017	-2.16161	0.032719	0.256902	-4.09379
CDC42BPE	-0.10669	3.774011	-2.62618	0.009809	0.120367	-3.06046
EME2	-0.10673	5.526216	-2.27821	0.024559	0.219156	-3.85153
GNRH1	-0.10694	3.770761	-2.43667	0.016355	0.17013	-3.50379
SP140L	-0.107	5.248605	-2.14114	0.034371	0.264099	-4.1351
NOP16	-0.10705	4.916547	-2.80528	0.005904	0.085371	-2.61464
NTMT1	-0.10712	5.355442	-2.0206	0.045642	0.312247	-4.37109
CAMSAP1	-0.10734	4.106505	-3.17908	0.001898	0.038682	-1.60308
PHKG2	-0.10739	4.729748	-1.98249	0.049807	0.32976	-4.44306
MAP3K13	-0.10745	4.571357	-2.41621	0.017254	0.176618	-3.54987
HEBP2	-0.10769	7.682437	-2.2348	0.02736	0.233171	-3.94308
BRPF1	-0.10815	6.392336	-2.2561	0.025952	0.225207	-3.89835
ZNF112	-0.10832	2.776218	-3.06098	0.002746	0.050167	-1.93427
VPRBP	-0.10845	5.032675	-2.59199	0.010778	0.127674	-3.14261
ABCФ2	-0.10862	5.448498	-2.60821	0.010308	0.124073	-3.10375
NDUFB4	-0.10876	6.849141	-2.11895	0.036244	0.271855	-4.1795

IFT172	-0.10881	4.473402	-2.28697	0.024025	0.216752	-3.83285
SPATA13	-0.10889	6.263522	-2.25486	0.026033	0.225703	-3.90098
CNDP2	-0.10889	5.981348	-2.46172	0.015309	0.16248	-3.44688
HKR1	-0.10893	3.4876	-3.02739	0.003045	0.054266	-2.02653
ZNF621	-0.10898	4.566537	-2.04721	0.042913	0.301645	-4.32007
ZNF441	-0.10918	2.813566	-2.46126	0.015328	0.162512	-3.44794
TRNAU1AI	-0.10944	5.10931	-3.40493	0.000912	0.022422	-0.94095
HSD17B1	-0.10964	4.929619	-2.28438	0.024182	0.217401	-3.83838
HNRNPA2	-0.10988	8.576735	-2.20365	0.029539	0.244103	-4.00778
USP7	-0.10992	7.332333	-2.28271	0.024283	0.217932	-3.84195
RBM15	-0.10993	5.923774	-2.27427	0.024802	0.219942	-3.85989
C12orf65	-0.10999	5.482883	-2.21862	0.028474	0.239168	-3.97678
CDK12	-0.11028	5.835712	-1.99761	0.048117	0.323021	-4.41465
LOC15506	-0.1103	5.857987	-2.2709	0.025012	0.221102	-3.86705
MAP9	-0.1104	3.36545	-2.20764	0.029252	0.242829	-3.99955
SUGP1	-0.11061	6.410505	-1.98381	0.049657	0.329468	-4.44058
UNKL	-0.11062	6.123018	-2.70903	0.007779	0.102292	-2.85743
NSUN4	-0.11076	4.446226	-2.1978	0.029964	0.245942	-4.01983
SEPT7P2	-0.11077	3.76684	-2.17358	0.031784	0.254748	-4.06945
LOC40095	-0.11117	2.929325	-2.57792	0.011201	0.131727	-3.17616
PTTG1IP	-0.11137	11.12969	-1.99257	0.048674	0.325907	-4.42414
GGA1	-0.11146	6.735022	-2.16177	0.032706	0.256901	-4.09346
SYNE4	-0.11148	4.264384	-1.9883	0.049151	0.327304	-4.43215
CDC42EP4	-0.11175	5.441457	-2.09605	0.038268	0.280965	-4.22486
SZT2	-0.11214	4.596514	-2.42927	0.016675	0.172761	-3.52049
NHP2L1	-0.11217	5.821132	-2.25722	0.02588	0.22477	-3.89599
MRPS25	-0.11218	5.267219	-2.34302	0.020845	0.19774	-3.71186
UNK	-0.11232	5.297822	-2.1071	0.03728	0.276584	-4.20303
NANS	-0.1124	6.099337	-2.16238	0.032658	0.256841	-4.09223
RABEP1	-0.11276	5.578874	-2.13624	0.034777	0.26543	-4.14495
GOPC	-0.11287	5.537561	-2.10435	0.037524	0.27749	-4.20848
ZZEF1	-0.11291	5.995384	-2.15099	0.033567	0.260568	-4.11528
ZNF785	-0.11302	3.793851	-2.15243	0.033451	0.260356	-4.11237
ZNF605	-0.11322	3.488144	-1.98139	0.049931	0.32976	-4.4451
BRD8	-0.11324	5.573403	-2.82254	0.005615	0.083131	-2.5703
NRF1	-0.11347	5.313107	-2.89224	0.004575	0.072508	-2.38896
TBC1D32	-0.11373	2.718682	-2.05718	0.041928	0.296968	-4.30082
BRD4	-0.11375	7.061829	-2.27476	0.024772	0.219809	-3.85886
VAV2	-0.11381	4.922552	-2.32169	0.022008	0.205207	-3.75822
FBRSL1	-0.11415	5.653526	-2.88454	0.00468	0.073741	-2.40918
PFKP	-0.11421	5.484767	-2.02418	0.045266	0.310502	-4.36426
COX19	-0.11465	6.032105	-2.12831	0.035444	0.269042	-4.16084
KRT73	-0.1149	4.158491	-2.95556	0.003786	0.063565	-2.22092
PCNXL4	-0.11496	3.918619	-2.44953	0.01581	0.16633	-3.47464
TPCN2	-0.11497	5.853002	-2.39876	0.018056	0.180553	-3.5889
PLD4	-0.11515	4.268835	-2.47247	0.01488	0.160417	-3.42231
LPHN1	-0.11527	5.214331	-2.94768	0.003877	0.064416	-2.242
MRPL41	-0.11553	5.00429	-2.28019	0.024437	0.218522	-3.84731
SGCE	-0.11613	3.451125	-2.26789	0.025201	0.221631	-3.87343
TSPYL1	-0.11657	4.730333	-2.17197	0.031909	0.255523	-4.07273
IL18BP	-0.11683	5.487873	-2.61321	0.010167	0.122735	-3.09173
FLJ35934	-0.11687	3.519998	-2.02873	0.044793	0.308682	-4.35557
SYT17	-0.11715	4.115151	-2.71527	0.007642	0.101214	-2.8419
TSPAN3	-0.11718	4.823393	-3.0036	0.003274	0.056916	-2.09135
IFNLR1	-0.11752	5.509949	-2.16425	0.03251	0.256547	-4.08843
PIEZO1	-0.1177	5.689959	-1.99911	0.047952	0.322231	-4.41182
KCNJ2-AS	-0.11809	2.93102	-2.23596	0.027282	0.233125	-3.94065
RPS28	-0.1183	7.704196	-2.87412	0.004827	0.074989	-2.43647

NSDHL	-0.11904	5.06277	-2.14246	0.034262	0.263561	-4.13245
CPSF7	-0.1191	5.467439	-2.67064	0.008667	0.110678	-2.95219
KCTD15	-0.11941	4.368391	-2.38116	0.018899	0.185895	-3.62801
SPIDR	-0.11958	6.152568	-2.31826	0.022201	0.205789	-3.76564
BMS1	-0.11966	6.408914	-2.19107	0.030461	0.248821	-4.03368
EFTUD2	-0.1199	6.461192	-2.05035	0.042601	0.300382	-4.31403
POU2F1	-0.11994	5.3922	-2.95075	0.003841	0.06401	-2.23377
DHX30	-0.11996	4.964819	-3.6046	0.000463	0.013758	-0.32506
SCYL1	-0.12022	5.108585	-2.68734	0.008269	0.107027	-2.9111
SLC11A2	-0.12039	4.668437	-2.1756	0.031629	0.253902	-4.06534
SYNRG	-0.12045	6.646261	-2.47962	0.0146	0.158796	-3.40591
RECK	-0.12054	4.059201	-2.48325	0.01446	0.158051	-3.39756
PDE4A	-0.12098	4.36392	-2.04216	0.04342	0.303459	-4.3298
STK36	-0.12127	5.387506	-2.16585	0.032385	0.256336	-4.08518
MZF1	-0.12158	6.443674	-2.54058	0.012398	0.141649	-3.26437
ZNF790-A	-0.12185	4.09222	-2.54271	0.012327	0.141182	-3.25937
PKNOX1	-0.12187	5.050804	-3.18181	0.001882	0.038459	-1.5953
FAM193B	-0.12215	6.209758	-2.07604	0.040116	0.288933	-4.26412
BLVRA	-0.12217	5.955835	-2.08681	0.039112	0.284607	-4.24303
C1orf115	-0.12262	4.103349	-2.38254	0.018831	0.185611	-3.62494
C14orf64	-0.12264	4.664948	-2.62894	0.009734	0.119913	-3.05377
C8orf33	-0.12268	4.575716	-2.27338	0.024858	0.220189	-3.8618
MEI1	-0.12287	5.440148	-2.13922	0.03453	0.264626	-4.13897
SBF1	-0.12288	5.592103	-1.98193	0.04987	0.32976	-4.4441
FBXL12	-0.1231	5.695509	-2.87731	0.004781	0.074569	-2.42811
ZFYVE28	-0.12358	4.355113	-2.95676	0.003773	0.063565	-2.2177
TFAM	-0.12361	5.512218	-2.09547	0.038321	0.280977	-4.226
RPS27A	-0.1239	6.988008	-2.18538	0.030886	0.250651	-4.04534
RANGRF	-0.12406	5.474572	-2.01698	0.046024	0.314333	-4.37797
WDR19	-0.12408	3.551143	-3.3743	0.001009	0.024038	-1.03295
DPYD	-0.12411	6.232994	-2.26186	0.025583	0.223032	-3.88619
NAPSA	-0.12427	4.80597	-2.1582	0.032989	0.25833	-4.10069
UTP23	-0.12431	5.097588	-2.03833	0.043808	0.304793	-4.33717
LOC10192	-0.12447	4.859717	-2.40975	0.017548	0.1782	-3.56435
ZNF138	-0.1245	3.797974	-2.13745	0.034676	0.265198	-4.14252
NOMO3	-0.12467	6.261258	-2.02415	0.045269	0.310502	-4.36431
MSR1	-0.12483	3.449159	-2.60306	0.010455	0.124963	-3.11612
CEP95	-0.12486	4.461386	-2.1168	0.03643	0.272452	-4.18377
RPP30	-0.12495	4.135465	-2.50196	0.013755	0.152864	-3.35439
ZNF677	-0.12517	3.286964	-2.30394	0.02302	0.21062	-3.79651
CEP104	-0.12519	4.838355	-2.28726	0.024008	0.216752	-3.83224
INPP5F	-0.12538	4.24243	-2.22658	0.027921	0.235984	-3.96023
FAM135A	-0.12548	3.265359	-2.35016	0.020468	0.195066	-3.69626
EMC10	-0.12562	5.9663	-2.00228	0.047605	0.32127	-4.40583
SLC8A1	-0.12569	4.574403	-1.9883	0.049151	0.327304	-4.43217
BMF	-0.12578	5.904665	-2.15671	0.033108	0.258568	-4.10371
EFNA4	-0.12582	5.000797	-2.30017	0.02324	0.211632	-3.8046
NOC2L	-0.12595	5.069194	-2.07935	0.039806	0.28771	-4.25766
HNRNPU	-0.12618	6.852844	-2.17038	0.032032	0.255711	-4.07597
BCAS4	-0.12622	4.295607	-2.64415	0.009332	0.11639	-3.01689
HIGD2A	-0.1263	7.31889	-2.30791	0.02279	0.209398	-3.78796
SLC30A4	-0.12632	3.749595	-2.39793	0.018095	0.180795	-3.59074
CCDC142	-0.12654	3.957021	-2.04522	0.043112	0.302602	-4.32391
ERVK13-1	-0.12662	4.458152	-3.18744	0.001848	0.037997	-1.57926
TMEM198I	-0.12663	5.733224	-2.63466	0.009581	0.118818	-3.03993
KIAA0141	-0.12689	5.625627	-2.16975	0.03208	0.255711	-4.07725
ZNF500	-0.12713	5.197155	-2.48577	0.014363	0.157443	-3.39177
MIR4435-	-0.12718	4.860273	-2.1938	0.030259	0.247561	-4.02806

TP53BP1	-0.1272	4.906451	-3.15555	0.002045	0.041015	-1.66992
LOC10192	-0.12726	3.583136	-2.05237	0.042401	0.299484	-4.31012
EHD4	-0.12736	4.43492	-3.70793	0.000323	0.010694	0.004576
GPN2	-0.12753	5.512264	-2.26371	0.025465	0.222566	-3.88228
PPP6R2	-0.12763	5.871386	-3.68941	0.000345	0.011074	-0.05505
ZNF607	-0.12774	3.536166	-2.57747	0.011215	0.131742	-3.17722
ZBED5	-0.12782	6.533643	-3.21763	0.001679	0.035126	-1.49272
LOC10192	-0.1279	6.786017	-1.98995	0.048966	0.327114	-4.42906
ADAM19	-0.12809	6.885471	-2.74273	0.007068	0.09616	-2.77325
EFHC1	-0.12846	4.519728	-2.16582	0.032387	0.256336	-4.08525
PEG10	-0.12847	3.962518	-2.48176	0.014517	0.158433	-3.40099
HEATR6	-0.12857	5.330689	-2.34578	0.020698	0.196803	-3.70582
MATN1-A	-0.12863	3.368066	-2.85748	0.005069	0.077521	-2.47989
TRIO	-0.12901	4.31097	-4.50055	1.63E-05	0.001059	2.762747
HMCES	-0.12966	5.783744	-2.40994	0.017539	0.1782	-3.56393
PRO1082	-0.12967	3.486248	-2.46193	0.015301	0.162479	-3.44642
IRAK1	-0.12982	6.774534	-2.03137	0.04452	0.30795	-4.35051
DOPEY1	-0.13008	4.155802	-2.55385	0.01196	0.138061	-3.23314
KLHL20	-0.1301	4.842575	-2.05097	0.04254	0.300051	-4.31283
ELAC1	-0.13098	4.049931	-2.84898	0.005197	0.079006	-2.50196
WDR81	-0.13104	7.00308	-2.53091	0.012726	0.144229	-3.28701
ANKRD37	-0.13112	4.373429	-2.62852	0.009746	0.119913	-3.0548
TBL3	-0.13139	5.26451	-3.50981	0.000641	0.017465	-0.62095
ACTR5	-0.13142	4.848852	-2.55732	0.011848	0.137356	-3.22495
TIMM50	-0.1318	5.175896	-2.18692	0.030771	0.250329	-4.04219
TCF25	-0.13188	7.103932	-2.24215	0.026867	0.230696	-3.92768
ZNF175	-0.1321	4.339225	-2.84636	0.005237	0.079262	-2.50876
HMBOX1	-0.13222	6.329425	-2.07715	0.040012	0.288487	-4.26196
LOC93444	-0.13222	4.935147	-2.17029	0.032038	0.255711	-4.07615
CD84	-0.13225	5.325925	-3.03628	0.002963	0.053271	-2.00219
C9orf114	-0.13264	5.385803	-2.31903	0.022157	0.205769	-3.76398
ZNF502	-0.13292	4.637571	-2.78129	0.006328	0.089411	-2.67584
MAFK	-0.13308	5.940818	-2.12551	0.035681	0.270026	-4.16642
MDN1	-0.13338	4.194226	-2.1192	0.036222	0.271794	-4.179
LIMD1	-0.13397	5.044327	-4.20339	5.22E-05	0.002643	1.683047
RPL27	-0.13417	12.57627	-2.23625	0.027262	0.233125	-3.94005
MID1	-0.13425	3.848505	-2.73871	0.00715	0.096885	-2.78335
CD40	-0.13439	5.319969	-2.35643	0.020141	0.193218	-3.68252
NAT9	-0.13446	6.193072	-2.00717	0.047075	0.318321	-4.3966
PDCD6	-0.13456	7.007906	-2.04728	0.042906	0.301645	-4.31994
FEM1A	-0.13495	6.111178	-3.02484	0.003068	0.054643	-2.03349
PROSER3	-0.13501	4.878486	-2.6752	0.008556	0.10977	-2.94099
RAB3GAP2	-0.13502	3.723128	-2.49341	0.014073	0.154822	-3.37416
LAMB2	-0.1351	4.226768	-2.07302	0.040402	0.290375	-4.27001
LRIG2	-0.13514	4.345186	-3.09187	0.002495	0.046931	-1.84865
FBXO32	-0.13517	3.813576	-2.71299	0.007692	0.101642	-2.84758
PLXNA1	-0.13555	4.903318	-3.71076	0.00032	0.010623	0.013703
TCEA2	-0.13556	4.52326	-2.29637	0.023464	0.213195	-3.81276
ZNF627	-0.13559	5.093398	-2.10744	0.03725	0.276562	-4.20236
SLC25A14	-0.13571	6.072558	-2.48085	0.014552	0.158471	-3.40309
SCAMP3	-0.13586	7.670461	-1.98229	0.049828	0.32976	-4.44342
SFI1	-0.13594	5.802972	-2.15783	0.033019	0.258339	-4.10146
LOC33998	-0.13617	6.138772	-2.42676	0.016785	0.173495	-3.52616
EIF4E2	-0.13632	6.817784	-2.37991	0.01896	0.186072	-3.63077
NDUFB8	-0.13634	7.599092	-2.19786	0.02996	0.245942	-4.01972
ZNF235	-0.13644	4.023765	-2.93058	0.004081	0.066645	-2.28757
AKAP8	-0.13718	6.529507	-2.61199	0.010201	0.123076	-3.09466
RGPD4-AS1	-0.13718	2.671214	-2.38102	0.018906	0.185895	-3.62831

HLA-F-AS	-0.13724	4.034199	-2.22642	0.027932	0.235984	-3.96058
CYP1B1-A	-0.13758	3.769565	-2.98209	0.003495	0.059443	-2.14956
KAT2A	-0.13762	6.593644	-1.99106	0.048843	0.326395	-4.42698
LOC38964	-0.13775	4.485658	-2.76699	0.006594	0.091787	-2.71211
PPM1N	-0.13808	5.196936	-2.03026	0.044635	0.308344	-4.35264
FPGS	-0.13821	5.528929	-2.26692	0.025262	0.221743	-3.8755
AP1AR	-0.13851	3.562496	-2.11942	0.036204	0.271794	-4.17857
CCDC94	-0.13877	5.56815	-2.14668	0.033917	0.261892	-4.12397
SH3BP5-A	-0.1388	5.849316	-2.11554	0.03654	0.273073	-4.18629
ELK4	-0.13899	4.76055	-2.26216	0.025564	0.223032	-3.88556
TMTC4	-0.13911	4.268169	-2.7768	0.00641	0.090272	-2.68725
GLB1L2	-0.13932	5.565221	-2.19443	0.030212	0.247282	-4.02678
ZNF485	-0.13948	2.708728	-2.42102	0.017039	0.175321	-3.53907
MON2	-0.13961	5.254758	-1.9823	0.049828	0.32976	-4.4434
CYP2S1	-0.13969	4.348174	-2.14948	0.03369	0.260793	-4.11833
ADPRH	-0.13985	4.813432	-2.73123	0.007304	0.098256	-2.80209
ODF2L	-0.13997	3.615726	-2.99052	0.003407	0.058564	-2.12679
PNPO	-0.14005	5.402781	-2.27017	0.025058	0.221102	-3.86861
ZMYM6	-0.14012	4.32201	-2.39658	0.018159	0.181223	-3.59377
CST4	-0.14024	5.357794	-2.50133	0.013779	0.15298	-3.35586
IL11RA	-0.14055	5.146992	-2.31609	0.022323	0.206315	-3.77034
UQCRCQ	-0.14065	8.814303	-2.06649	0.041026	0.292803	-4.28275
CWF19L2	-0.14066	4.265488	-2.43697	0.016342	0.170083	-3.50311
ALKBH2	-0.14089	4.143446	-2.47746	0.014684	0.159313	-3.41087
FAM3A	-0.14107	6.143725	-2.22127	0.028289	0.238162	-3.9713
TARBP2	-0.14109	6.145607	-2.46826	0.015047	0.161115	-3.43195
ZNF569	-0.14119	3.90159	-2.25242	0.026191	0.226223	-3.90611
PRDM4	-0.14177	6.779555	-2.43448	0.016449	0.170942	-3.50874
GIGYF1	-0.14182	5.877445	-2.40195	0.017907	0.179884	-3.58178
SERPINB9F	-0.14193	5.212349	-2.09145	0.038686	0.282505	-4.23391
SLC7A6	-0.14217	5.77582	-2.16868	0.032164	0.255711	-4.07943
ITPRIPL2	-0.14228	5.386511	-2.42374	0.016918	0.174574	-3.53295
QRICH1	-0.14246	6.739661	-2.60461	0.010411	0.124648	-3.11239
SIN3B	-0.14249	5.868868	-2.31655	0.022297	0.206258	-3.76933
VASH1	-0.14313	4.534173	-2.7354	0.007217	0.097442	-2.79165
FAM168B	-0.14332	6.319279	-2.61606	0.010087	0.122411	-3.08488
KDM2A	-0.14337	8.426082	-2.02986	0.044676	0.308523	-4.3534
RNPS1	-0.14338	8.25731	-2.75718	0.006782	0.093574	-2.73688
LOC64551	-0.14344	4.115289	-2.16203	0.032686	0.256841	-4.09294
ZNF638	-0.14367	7.55483	-2.05608	0.042036	0.297418	-4.30294
LOC10099	-0.14368	3.987414	-2.04379	0.043256	0.302978	-4.32667
SOX4	-0.14368	4.732358	-2.70599	0.007846	0.102976	-2.86497
PAM16	-0.1438	6.51981	-2.2522	0.026205	0.22625	-3.90657
TNFRSF10,	-0.1439	6.176138	-2.01511	0.046223	0.314854	-4.38154
ASB1	-0.14406	4.72607	-2.5733	0.011344	0.132901	-3.18713
KCNH8	-0.14407	3.311392	-2.6489	0.009209	0.115493	-3.00534
FUOM	-0.14413	5.405376	-2.46324	0.015248	0.162165	-3.44341
ARHGEF9	-0.1442	4.37477	-2.36116	0.019898	0.191514	-3.67213
GTF3C1	-0.14449	6.902391	-2.17958	0.031325	0.252351	-4.05721
ZXDB	-0.14459	3.430923	-2.28657	0.024049	0.216769	-3.83371
IKBKE	-0.14459	6.178199	-2.42542	0.016844	0.173985	-3.52917
LOC10027	-0.14463	4.619519	-2.36864	0.019519	0.189491	-3.65567
RAD51-AS	-0.14466	4.530135	-2.38779	0.018578	0.183817	-3.61331
GALNT6	-0.14479	5.034972	-2.01475	0.046261	0.314904	-4.38222
RBM48	-0.14513	4.805829	-2.26691	0.025263	0.221743	-3.87551
RPUSD2	-0.14527	4.359954	-2.44678	0.015926	0.166941	-3.4809
OCEL1	-0.14527	6.805971	-2.20622	0.029354	0.243372	-4.00248
TMEM51	-0.1455	4.56132	-2.54328	0.012308	0.141143	-3.25802

SURF1	-0.14589	7.303202	-2.89085	0.004594	0.072639	-2.39262
DYM	-0.14602	5.678351	-2.31339	0.022476	0.207279	-3.77616
FAM127A	-0.14639	8.181863	-2.03445	0.044204	0.306819	-4.34462
ZNF415	-0.14642	2.864878	-2.73184	0.007291	0.098208	-2.80054
MED30	-0.14667	6.060576	-2.28195	0.02433	0.218156	-3.84357
GGA2	-0.14685	5.314097	-3.36783	0.001031	0.024374	-1.05228
THAP4	-0.14692	6.181877	-2.87257	0.004849	0.075105	-2.44052
TBL2	-0.147	5.599776	-2.56299	0.011667	0.135873	-3.21156
FAM200A	-0.14718	2.959514	-2.79611	0.006063	0.08675	-2.63808
CSK	-0.1473	10.17873	-2.19941	0.029847	0.245276	-4.01653
ZNF540	-0.14738	3.787816	-3.69282	0.000341	0.011046	-0.04408
ZNF844	-0.14741	4.77653	-2.11751	0.036369	0.272393	-4.18237
ZNF783	-0.14753	6.284949	-2.81934	0.005667	0.08364	-2.57854
AS3MT	-0.14765	3.379038	-2.55528	0.011914	0.13773	-3.22977
TICAM1	-0.14793	5.728537	-2.09779	0.038111	0.280412	-4.22142
AFG3L1P	-0.14807	5.305035	-2.25386	0.026097	0.225889	-3.90307
ANAPC16	-0.14812	9.151226	-2.20368	0.029537	0.244103	-4.00773
GDPD5	-0.1483	6.256075	-2.28139	0.024364	0.218367	-3.84476
ZNF736	-0.14832	3.482348	-2.16647	0.032336	0.256262	-4.08393
NGRN	-0.14839	6.539401	-1.98201	0.049861	0.32976	-4.44395
ATL2	-0.14841	4.649759	-2.4966	0.013954	0.154006	-3.3668
ZNF224	-0.14856	5.115098	-2.21353	0.028832	0.2409	-3.98735
LRRK1	-0.14866	5.244958	-2.12514	0.035713	0.270126	-4.16716
ERI3	-0.14874	5.126232	-2.13738	0.034682	0.265198	-4.14266
CEP164	-0.14882	5.415129	-3.66821	0.000371	0.011636	-0.123
BRWD1	-0.14894	4.926631	-2.13353	0.035004	0.266659	-4.15038
ACKR3	-0.14918	3.74866	-2.25771	0.025849	0.224592	-3.89496
ZNF526	-0.1492	4.321752	-2.68329	0.008364	0.108048	-2.92108
DDX56	-0.14937	5.827621	-3.00769	0.003233	0.056499	-2.08023
PCNXL2	-0.14938	4.350041	-3.43257	0.000831	0.021145	-0.8574
RPL35A	-0.14952	7.394431	-2.69267	0.008146	0.105835	-2.89795
ZNF134	-0.14956	5.398198	-2.16967	0.032087	0.255711	-4.07741
ZNF678	-0.15004	3.592687	-2.45556	0.015561	0.164381	-3.46093
UBE2G2	-0.15012	5.803949	-3.09397	0.002479	0.046799	-1.84282
RGP1	-0.15062	6.289878	-2.65571	0.009036	0.114274	-2.98873
CDK5RAP1	-0.15066	6.533169	-2.46886	0.015023	0.161113	-3.43059
LACC1	-0.15081	3.287833	-2.37665	0.01912	0.187017	-3.63799
SHARPIN	-0.15089	6.312762	-2.20791	0.029233	0.242829	-3.99899
URGCP	-0.15098	5.683189	-2.25337	0.026129	0.225976	-3.90412
ZNF296	-0.15112	4.980512	-2.17179	0.031922	0.255523	-4.0731
PAF1	-0.15116	6.658408	-2.29286	0.023672	0.214515	-3.82027
SND1	-0.15166	7.234122	-2.17739	0.031492	0.253197	-4.06168
PLA2G15	-0.1518	5.110832	-2.31892	0.022164	0.205769	-3.76422
DICER1	-0.15194	6.841026	-2.93398	0.00404	0.066182	-2.27852
ZNF585B	-0.152	3.821181	-2.20361	0.029542	0.244103	-4.00787
LYVE1	-0.15246	3.739619	-2.63294	0.009627	0.119025	-3.04409
ZNF570	-0.15255	3.856287	-2.93766	0.003995	0.065667	-2.26874
HDAC1	-0.15291	8.799531	-2.27481	0.024769	0.219809	-3.85876
INTS9	-0.15325	5.734023	-3.5203	0.000619	0.017035	-0.58851
MPRIIP	-0.15338	5.880285	-3.96477	0.000128	0.005332	0.854946
ADAT2	-0.15347	3.889767	-2.74455	0.007031	0.095789	-2.76867
FER	-0.15349	4.514821	-3.65207	0.000393	0.01218	-0.17453
MADD	-0.15352	6.980038	-2.49942	0.013849	0.153264	-3.36028
SIN3A	-0.15373	5.195821	-2.31854	0.022185	0.205789	-3.76504
ZNF76	-0.15373	6.103728	-2.50656	0.013587	0.151913	-3.34373
ZNF511	-0.15376	6.593641	-2.31974	0.022117	0.205618	-3.76244
LOC10013	-0.15382	4.314779	-2.12681	0.035571	0.269584	-4.16382
GLIDR	-0.15386	5.073217	-2.58924	0.01086	0.128446	-3.14919

ANKLE2	-0.15408	5.045693	-2.94757	0.003878	0.064416	-2.2423
SMAGP	-0.15413	4.947898	-1.99437	0.048475	0.324997	-4.42075
MUM1	-0.15431	5.476593	-2.59186	0.010782	0.127674	-3.14293
ELP2	-0.15434	5.109995	-2.96619	0.003667	0.062062	-2.19239
SLC5A9	-0.15437	4.224237	-3.0244	0.003073	0.05467	-2.0347
ZFP14	-0.15438	3.669577	-2.36188	0.019861	0.191249	-3.67055
OTUD3	-0.15449	4.793912	-2.01668	0.046056	0.314345	-4.37856
RLN2	-0.15454	3.324533	-2.55469	0.011933	0.137874	-3.23117
LOC10099	-0.15454	3.409521	-2.64823	0.009227	0.115611	-3.00697
PNPLA4	-0.15465	4.298393	-2.80549	0.0059	0.085371	-2.61408
XCL1	-0.1547	4.185366	-2.18177	0.031159	0.251786	-4.05274
BCDIN3D	-0.15474	5.622564	-2.29055	0.02381	0.215381	-3.8252
LOC10050	-0.15495	3.303118	-2.42679	0.016784	0.173495	-3.52608
COL9A2	-0.1551	5.394192	-2.08375	0.039395	0.285395	-4.24903
SMARCC2	-0.15515	5.950908	-2.283	0.024266	0.217869	-3.84133
ZNF682	-0.15521	3.157128	-3.16828	0.001964	0.039829	-1.63382
MRPS18B	-0.15549	6.757274	-2.13785	0.034643	0.265162	-4.14171
ZBTB10	-0.15584	3.423654	-3.43383	0.000828	0.021113	-0.85356
SLC25A3	-0.15587	7.997485	-2.29265	0.023685	0.214534	-3.82073
ZNF256	-0.1563	3.29494	-2.71964	0.007548	0.100358	-2.83103
DNPEP	-0.15645	5.131138	-2.35777	0.020072	0.192825	-3.67958
KIAA1407	-0.15651	4.979076	-2.02404	0.045281	0.310502	-4.36452
LOC10013	-0.15663	3.255799	-2.49969	0.013839	0.153236	-3.35965
ATG16L1	-0.1568	4.966231	-2.58121	0.011101	0.130697	-3.16833
ZNF317	-0.15711	5.495198	-2.26886	0.02514	0.221389	-3.87139
SND1-IT1	-0.15713	5.036915	-2.45314	0.015661	0.16518	-3.46644
FCF1	-0.15731	4.517272	-2.01385	0.046357	0.315447	-4.38392
INO80	-0.15735	6.635864	-2.76144	0.0067	0.092626	-2.72614
DTWD1	-0.15736	3.559745	-2.87996	0.004744	0.074214	-2.42118
SON	-0.1574	9.459229	-2.62141	0.009939	0.121059	-3.07198
EVI5	-0.15766	4.954787	-2.66182	0.008883	0.112686	-2.97379
IGIP	-0.15779	5.498788	-2.26836	0.025171	0.221528	-3.87244
MICALCL	-0.15785	3.827282	-2.21788	0.028526	0.23922	-3.97833
SLC4A7	-0.15789	4.021625	-2.58418	0.011011	0.129865	-3.16126
MLLT6	-0.1579	5.85869	-2.27732	0.024613	0.219354	-3.85341
MGC16274	-0.15796	4.234219	-2.38928	0.018506	0.183378	-3.61001
MAPK7	-0.15805	5.905438	-2.21	0.029083	0.242177	-3.99466
RPLP1	-0.15813	8.698882	-2.95218	0.003825	0.063856	-2.22996
ZNF814	-0.15827	3.995478	-2.29481	0.023556	0.213936	-3.81609
METTL17	-0.15853	6.426438	-2.14681	0.033907	0.261892	-4.12371
PC	-0.15861	4.010426	-2.21654	0.02862	0.239606	-3.98111
VPS36	-0.15868	5.433109	-2.22962	0.027713	0.235195	-3.9539
ATG101	-0.15871	6.515725	-2.01528	0.046204	0.314829	-4.3812
POLG2	-0.15882	5.577747	-2.22367	0.028122	0.237026	-3.9663
SUPT5H	-0.15892	7.30882	-1.98897	0.049076	0.327304	-4.4309
TTBK2	-0.15894	3.931354	-3.51379	0.000632	0.017342	-0.60865
LOC10106	-0.15897	3.053391	-2.22782	0.027836	0.235653	-3.95764
POLR2B	-0.15905	7.362106	-3.22211	0.001655	0.034877	-1.47984
ZMYM2	-0.15906	5.450702	-2.14952	0.033686	0.260793	-4.11825
RNASET2	-0.15911	7.525425	-2.18722	0.030748	0.250329	-4.04158
ASXL1	-0.15927	6.018148	-2.17979	0.031309	0.252351	-4.05678
FTSJ1	-0.15929	6.229537	-2.56977	0.011454	0.133921	-3.19551
WDR35	-0.15946	4.205945	-2.26879	0.025145	0.221389	-3.87154
SPRED1	-0.15968	2.858543	-3.20132	0.001769	0.03674	-1.53956
EIF3K	-0.1603	8.4398	-2.67421	0.00858	0.110006	-2.94343
LOC10065	-0.16033	4.304941	-2.46346	0.015239	0.162158	-3.44293
HTT	-0.1604	6.62066	-2.88368	0.004692	0.073741	-2.41143
KATNAL1	-0.16044	3.963656	-2.40041	0.017979	0.180219	-3.58522

RAPH1	-0.16045	3.311841	-3.08508	0.002549	0.047538	-1.86754
MYO5A	-0.16055	5.804947	-2.07853	0.039882	0.287956	-4.25925
ZNF382	-0.16058	3.650318	-2.54314	0.012313	0.141143	-3.25835
EML3	-0.16063	6.035488	-2.1587	0.032949	0.258149	-4.09968
VPS13D	-0.16088	5.48545	-2.88517	0.004672	0.07374	-2.40753
ZNF443	-0.1609	4.513048	-2.62512	0.009838	0.120408	-3.06302
TMED8	-0.161	7.713912	-2.09834	0.038062	0.280253	-4.22035
PEX5	-0.16111	5.430897	-2.82426	0.005587	0.082775	-2.56588
KLF12	-0.16117	4.486644	-2.80964	0.005829	0.084668	-2.60345
PLBD2	-0.16124	5.813326	-2.70217	0.007931	0.103564	-2.87445
SOCS7	-0.16129	5.40368	-2.13804	0.034628	0.265162	-4.14134
LOC10050	-0.16158	3.294308	-2.37826	0.019041	0.186511	-3.63444
ANKRD40	-0.16159	5.114287	-3.7283	0.000301	0.01017	0.070406
AMDHD1	-0.1616	3.176068	-2.64384	0.00934	0.11639	-3.01765
SNAPC5	-0.16166	6.012418	-2.62752	0.009773	0.120151	-3.05721
KIFC2	-0.16194	5.725407	-2.15218	0.033471	0.260413	-4.11287
RAD50	-0.16207	4.837802	-2.03498	0.04415	0.306618	-4.3436
TMEM70	-0.16223	6.32555	-2.29426	0.023588	0.214043	-3.81727
CHN2	-0.16231	4.600305	-2.726	0.007413	0.099142	-2.81516
CCDC88A	-0.16233	4.456673	-2.15865	0.032953	0.258149	-4.09979
BRICD5	-0.16245	5.37133	-2.12472	0.035749	0.270126	-4.168
RPL39	-0.16246	13.10582	-2.60577	0.010378	0.124326	-3.10963
CASK	-0.16264	4.027557	-3.76998	0.000259	0.009076	0.206015
PPP2CA	-0.16288	6.814131	-2.1268	0.035572	0.269584	-4.16386
ZNF548	-0.16313	4.931416	-2.1688	0.032155	0.255711	-4.07919
RPL37	-0.16315	12.40443	-2.59699	0.010631	0.126694	-3.13065
SFSWAP	-0.16329	5.888718	-2.32468	0.021842	0.204188	-3.75174
NUBP2	-0.16339	6.313818	-2.31411	0.022435	0.207069	-3.7746
RASGRF2	-0.16345	5.262916	-2.0029	0.047537	0.320921	-4.40467
SYS1	-0.16362	5.847053	-2.8042	0.005922	0.085564	-2.61739
DCHS1	-0.16428	4.577775	-3.01023	0.003208	0.056256	-2.07332
XRCC1	-0.16449	6.033827	-2.04305	0.043331	0.303226	-4.3281
KBTBD3	-0.16455	4.326932	-2.06751	0.040927	0.292507	-4.28075
MRPL24	-0.16464	6.377968	-2.09359	0.038492	0.2816	-4.22971
CYB5A	-0.16465	5.042947	-2.26571	0.025338	0.222139	-3.87805
ZFP36L1	-0.16469	6.528667	-2.1134	0.036726	0.273869	-4.19055
C11orf31	-0.16471	6.673479	-2.9527	0.003819	0.063856	-2.22856
NT5C3B	-0.16493	6.196744	-2.0847	0.039307	0.285266	-4.24717
KLF8	-0.165	3.559634	-3.86555	0.000184	0.006968	0.521283
LDB1	-0.16507	7.29576	-2.46356	0.015235	0.162158	-3.4427
ARIH2	-0.16514	5.765204	-2.42775	0.016742	0.173276	-3.52392
IMPDH1	-0.16539	8.900016	-2.81885	0.005675	0.08364	-2.57981
KLF9	-0.16554	4.870327	-2.73163	0.007295	0.098208	-2.80108
RPS15A	-0.16562	7.566847	-3.78612	0.000245	0.008739	0.258813
PDCD11	-0.16572	5.712238	-2.94209	0.003943	0.06506	-2.2569
SYNGR3	-0.16576	3.892515	-3.30198	0.001279	0.028891	-1.24742
NECAP2	-0.16602	6.499939	-2.92885	0.004102	0.066831	-2.29217
CNOT6L	-0.16617	5.299943	-2.77119	0.006514	0.091051	-2.70146
TMEM129	-0.16637	5.235541	-2.62952	0.009719	0.119913	-3.05237
PIK3IP1	-0.16638	6.311597	-2.24872	0.026433	0.227549	-3.91389
LPP	-0.16669	5.840033	-2.48464	0.014406	0.157721	-3.39437
TAF1C	-0.16675	5.834697	-3.02001	0.003114	0.055193	-2.04668
NKTR	-0.16689	5.720012	-2.00064	0.047784	0.321737	-4.40893
PIM1	-0.16702	9.314136	-2.11924	0.036219	0.271794	-4.17893
9-Sep	-0.1671	6.946791	-2.30219	0.023122	0.211117	-3.80026
RBMX2	-0.16716	6.06895	-2.29388	0.023611	0.214152	-3.81808
CD244	-0.16735	4.856809	-3.10092	0.002426	0.046095	-1.82345
SLC41A1	-0.16739	5.335735	-2.39627	0.018174	0.181223	-3.59445

TPT1-AS1	-0.16755	4.04585	-3.13367	0.00219	0.042766	-1.73167
NEDD9	-0.16757	6.285947	-2.15534	0.033217	0.258973	-4.10649
FAM102A	-0.16764	5.157791	-2.46764	0.015072	0.161295	-3.43337
NEK8	-0.16777	6.354758	-1.99801	0.048073	0.322834	-4.41391
SDHAF1	-0.16779	5.963783	-2.40304	0.017857	0.179806	-3.57934
PPP1CB	-0.16787	9.509779	-2.00987	0.046783	0.316767	-4.39147
DGKD	-0.16789	8.725783	-2.12136	0.036037	0.271162	-4.1747
ZFHX3	-0.16796	4.459084	-3.23398	0.001593	0.033925	-1.44558
ZNF202	-0.16805	4.346016	-2.28491	0.02415	0.217368	-3.83726
OLFML2B	-0.16811	4.166214	-2.77262	0.006488	0.090925	-2.69783
SUN2	-0.16812	8.474122	-2.27024	0.025053	0.221102	-3.86846
MYO7A	-0.16813	4.403107	-2.68236	0.008386	0.108265	-2.92339
PGLS	-0.16856	6.8502	-2.79797	0.00603	0.086465	-2.63332
YBEY	-0.16861	5.682807	-2.10547	0.037424	0.277355	-4.20626
MRPL52	-0.16868	5.515697	-2.32508	0.02182	0.204148	-3.75087
ARHGEF1E	-0.16908	9.227199	-2.4167	0.017233	0.176572	-3.54878
GPR17	-0.16909	3.509515	-4.00521	0.00011	0.004819	0.992755
IFFO1	-0.16945	7.724705	-2.09624	0.038251	0.280938	-4.22448
EIF2B4	-0.16946	6.915968	-2.54104	0.012383	0.141552	-3.26329
NTPCR	-0.16948	5.635997	-2.40205	0.017903	0.179884	-3.58157
ZNF467	-0.16966	7.265278	-2.56226	0.01169	0.135975	-3.2133
EXOSC5	-0.16974	6.279967	-2.32949	0.021576	0.202519	-3.74131
UBE4A	-0.16999	9.604866	-2.19513	0.030161	0.247157	-4.02534
CHMP7	-0.17004	7.23665	-2.24807	0.026476	0.227815	-3.91526
UXT	-0.17008	9.461397	-2.27971	0.024467	0.218522	-3.84833
UBE2I	-0.17021	6.185664	-3.82864	0.00021	0.007732	0.398796
B3GALT6	-0.17025	5.282117	-3.63032	0.000424	0.012861	-0.24368
ARHGAP24	-0.17068	5.736163	-2.10843	0.037162	0.276112	-4.20039
C12orf45	-0.17091	5.784201	-2.32298	0.021936	0.204681	-3.75543
FOXO1	-0.17112	6.120608	-2.62561	0.009825	0.120408	-3.06184
DDX27	-0.17136	7.561315	-2.84311	0.005287	0.079607	-2.51718
CTC1	-0.1715	5.373364	-3.23967	0.001564	0.033521	-1.42914
L3HYPDH	-0.17156	4.355685	-3.11133	0.002349	0.044914	-1.79435
LOC28616	-0.17158	4.6012	-2.40495	0.017768	0.179544	-3.57509
BCL7A	-0.17168	4.995843	-2.60224	0.010479	0.125172	-3.11808
BDH2	-0.17175	4.409666	-2.59202	0.010777	0.127674	-3.14255
RPL41	-0.17179	13.30891	-3.07554	0.002625	0.048611	-1.89401
FAM129B	-0.17188	5.716473	-2.50016	0.013822	0.153211	-3.35856
RPS29	-0.17192	8.768836	-3.14322	0.002125	0.041939	-1.70475
STX18	-0.17206	6.67568	-2.08343	0.039425	0.285461	-4.24966
FSCN1	-0.17238	3.792015	-2.8154	0.005733	0.084206	-2.58867
XPR1	-0.17266	5.292954	-2.03204	0.044451	0.307804	-4.34923
PLIN2	-0.17276	5.725705	-2.47948	0.014605	0.158796	-3.40623
RPL38	-0.17306	8.691479	-2.06858	0.040825	0.291989	-4.27867
ZNF606	-0.17308	5.514103	-3.0774	0.00261	0.048462	-1.88884
PTGDR	-0.17324	3.872734	-2.09237	0.038603	0.282105	-4.23211
CHD6	-0.17327	4.172962	-3.41237	0.000889	0.022087	-0.91852
PPP2R2D	-0.17331	5.789657	-2.33982	0.021016	0.19863	-3.71884
ZNF767P	-0.17342	5.224538	-2.03347	0.044304	0.307204	-4.3465
PET112	-0.17345	5.496336	-2.80065	0.005983	0.086097	-2.62647
FKRP	-0.17348	4.678954	-2.60003	0.010543	0.125782	-3.12339
ZNF880	-0.17353	3.86344	-2.44165	0.016142	0.168497	-3.49251
CCNJ	-0.17389	4.365745	-2.44462	0.016016	0.167634	-3.48579
WDR45B	-0.17409	8.378474	-3.27138	0.001413	0.030995	-1.33701
ST8SIA1	-0.17448	2.955021	-3.56795	0.000526	0.015084	-0.44021
CD55	-0.17501	11.65648	-2.26421	0.025433	0.222566	-3.88123
PAPD7	-0.17502	6.949391	-2.15773	0.033026	0.258339	-4.10164
NGDN	-0.17523	5.287032	-3.09657	0.002459	0.046507	-1.83557

MLXIP	-0.17545	5.700841	-2.13775	0.034652	0.265162	-4.14192
TMEM9	-0.1756	5.863872	-2.73441	0.007238	0.097626	-2.79412
UNC5CL	-0.1756	4.642978	-3.64169	0.000407	0.012515	-0.20759
IFNAR2	-0.17566	8.241882	-3.0334	0.002989	0.053556	-2.01008
EEF1A1	-0.1759	10.48622	-2.03494	0.044154	0.306618	-4.34368
FZD1	-0.17592	3.919419	-2.74032	0.007117	0.096631	-2.7793
ATP6V0E2	-0.17642	6.072161	-2.10373	0.037579	0.277797	-4.2097
RAB11FIP3	-0.17653	5.215505	-3.1846	0.001865	0.038278	-1.58735
IGHV5-78	-0.17692	3.343951	-2.84498	0.005258	0.079407	-2.51234
EIF3F	-0.1772	6.093304	-2.73592	0.007207	0.097399	-2.79033
GLG1	-0.17725	8.045052	-2.58518	0.010981	0.129583	-3.15887
PTPN2	-0.17732	5.277593	-4.64091	9.25E-06	0.000714	3.290473
STAG3	-0.17734	5.662449	-2.55674	0.011867	0.137495	-3.22632
CAPRN2	-0.17736	5.505389	-2.42098	0.017041	0.175321	-3.53917
SPRYD3	-0.17751	6.752558	-2.15043	0.033613	0.260752	-4.11641
HIC2	-0.17774	4.917116	-3.87756	0.000176	0.006744	0.561331
TMEM63C	-0.17784	4.565342	-2.2194	0.028419	0.238816	-3.97517
ZNF124	-0.17791	4.520294	-2.11206	0.036843	0.274237	-4.19319
TPPP3	-0.17803	4.873775	-2.34802	0.02058	0.195865	-3.70095
PPARD	-0.17815	4.89044	-4.02272	0.000103	0.004612	1.052753
FUK	-0.17825	6.195188	-2.28705	0.02402	0.216752	-3.83268
LOC64465	-0.17842	4.904457	-2.3151	0.022379	0.206735	-3.77246
ZNF566	-0.17844	2.87661	-2.78683	0.006227	0.088367	-2.66174
SH2D3A	-0.17857	4.306853	-3.38878	0.000962	0.023285	-0.98953
ZNF75A	-0.17871	6.374304	-2.40911	0.017577	0.178315	-3.56579
REXO4	-0.17878	5.895388	-3.29237	0.00132	0.029512	-1.27563
CREBZF	-0.17904	5.03781	-2.86343	0.004981	0.076683	-2.46439
AGO3	-0.1793	5.410688	-2.17085	0.031996	0.255711	-4.07502
CCNT2	-0.17932	5.718509	-2.21817	0.028505	0.23922	-3.97772
ARF1	-0.17938	6.815385	-2.27539	0.024733	0.219809	-3.85753
LOC10028	-0.17957	4.660336	-2.26191	0.02558	0.223032	-3.88609
DAPK1	-0.17966	5.58072	-2.35412	0.020261	0.19394	-3.68758
RCN3	-0.17983	5.855365	-2.06975	0.040713	0.291589	-4.2764
SNX21	-0.17987	5.194703	-2.16024	0.032827	0.257556	-4.09657
RNF113A	-0.17993	6.868638	-1.98228	0.04983	0.32976	-4.44344
RPS27	-0.18006	9.458769	-2.01273	0.046477	0.315845	-4.38606
LINC00662	-0.18009	4.295747	-3.49105	0.000683	0.018371	-0.67875
AGPAT6	-0.18013	5.328012	-3.72368	0.000306	0.010257	0.055447
RELL2	-0.18025	6.029288	-2.72953	0.007339	0.098476	-2.80634
ABHD6	-0.18043	4.224602	-4.38113	2.62E-05	0.001553	2.32261
MECP2	-0.18049	6.402383	-2.67751	0.008501	0.109299	-2.93531
MCOLN2	-0.18049	4.603957	-2.16714	0.032284	0.256143	-4.08256
FBLN5	-0.18092	4.447963	-2.74311	0.00706	0.096119	-2.77229
ERCC5	-0.18123	7.485631	-2.07462	0.04025	0.289695	-4.2669
PURA	-0.18123	5.298881	-2.54409	0.012281	0.140938	-3.25612
PSMD2	-0.18137	8.269392	-1.99559	0.04834	0.324244	-4.41846
CPNE8	-0.18162	4.425755	-2.17768	0.03147	0.25312	-4.0611
LCN10	-0.18191	5.159049	-2.66923	0.008701	0.110995	-2.95564
PLB1	-0.18197	5.307418	-2.51878	0.013149	0.147747	-3.31533
WDR3	-0.18198	4.409028	-2.1562	0.033149	0.25869	-4.10475
SLC16A4	-0.182	3.119136	-2.45701	0.015502	0.164009	-3.45763
ZNF212	-0.18223	6.521323	-2.4376	0.016315	0.169925	-3.50169
SIGLEC17F	-0.18247	5.143374	-2.03105	0.044553	0.30795	-4.35113
HIP1R	-0.18258	5.920241	-3.81271	0.000222	0.00813	0.346225
NFE2L1	-0.18319	7.117789	-2.71849	0.007573	0.10062	-2.83388
ZNF792	-0.18355	4.964883	-2.33311	0.021378	0.201124	-3.73345
ZNF592	-0.1838	6.845741	-3.2154	0.001691	0.035341	-1.49914
HEG1	-0.18382	5.77009	-2.25341	0.026127	0.225976	-3.90404

PCED1B-A	-0.18389	5.498081	-2.48154	0.014525	0.158433	-3.40149
AAR2	-0.18391	6.505668	-2.65673	0.00901	0.114019	-2.98623
METTL3	-0.18404	6.489647	-2.18036	0.031265	0.252167	-4.05561
SFPQ	-0.18405	7.080517	-3.00678	0.003242	0.056584	-2.08269
ACVR2A	-0.18411	4.952054	-2.15162	0.033516	0.260538	-4.114
LYRM4	-0.1843	5.282468	-2.74945	0.006934	0.094964	-2.75637
AAMP	-0.18437	7.559105	-2.04913	0.042723	0.30103	-4.31639
PHLPP1	-0.18447	3.742066	-2.80401	0.005925	0.085564	-2.61787
WDR54	-0.18449	6.09159	-2.18748	0.030729	0.250329	-4.04104
LINC00965	-0.18479	5.372364	-2.26906	0.025128	0.221389	-3.87097
GYLTL1B	-0.18481	5.831062	-3.42888	0.000842	0.021265	-0.86858
KIF13B	-0.18513	6.266503	-3.68316	0.000352	0.011197	-0.07512
SMARCC1	-0.18525	6.520059	-2.16775	0.032237	0.255966	-4.08133
GTF3A	-0.18542	9.003238	-2.11299	0.036762	0.273935	-4.19136
RPL32P3	-0.18576	5.951695	-2.71533	0.007641	0.101214	-2.84176
COG2	-0.18581	5.066548	-3.00586	0.003251	0.056621	-2.08519
10-Sep	-0.18589	3.670217	-2.09502	0.038361	0.281042	-4.22688
HNRNPA3	-0.1863	8.279946	-2.13202	0.035131	0.267227	-4.15341
SUGP2	-0.18657	6.297495	-3.45639	0.000768	0.020011	-0.78494
RPS15	-0.1866	7.979272	-2.59528	0.010681	0.126997	-3.13476
RRN3P1	-0.18662	4.956572	-2.89381	0.004553	0.072367	-2.38482
RAB29	-0.18695	7.317719	-2.20321	0.029571	0.244103	-4.0087
HOOK2	-0.18703	5.567213	-3.78022	0.00025	0.008864	0.239488
SNORD89	-0.18705	9.852156	-2.00208	0.047627	0.321312	-4.40622
CLTB	-0.18707	6.185619	-2.67153	0.008645	0.110627	-2.95
WDR37	-0.18708	6.035468	-2.39585	0.018193	0.181331	-3.59538
CORO1B	-0.18713	6.411758	-2.08168	0.039588	0.28628	-4.2531
ZNF786	-0.18733	5.27463	-2.53841	0.012471	0.142281	-3.26945
TBCC	-0.1874	8.20653	-2.39523	0.018223	0.181538	-3.59678
SELM	-0.18776	4.580113	-2.24555	0.026642	0.228956	-3.92056
DUSP11	-0.18788	7.746512	-2.19982	0.029817	0.245276	-4.01568
BEND5	-0.18795	3.987765	-3.12906	0.002222	0.043137	-1.74463
WDR41	-0.18799	5.641166	-2.29846	0.02334	0.212358	-3.80828
CHD4	-0.1881	7.711103	-2.12218	0.035966	0.270768	-4.17306
PUF60	-0.18811	8.105739	-2.20808	0.02922	0.242829	-3.99863
CTNBL1	-0.18858	6.848938	-2.30528	0.022942	0.210135	-3.79363
PHB	-0.18864	6.037288	-2.6334	0.009615	0.118979	-3.04299
MOB3B	-0.18887	4.911427	-2.33613	0.021215	0.199952	-3.72689
ERCC6L2	-0.1889	5.18867	-2.54648	0.012202	0.140264	-3.2505
DUSP22	-0.18904	9.385642	-2.9385	0.003985	0.065607	-2.26649
CBR4	-0.18924	6.19728	-2.15138	0.033536	0.260538	-4.11449
CLCN6	-0.18967	5.207722	-2.79661	0.006054	0.086685	-2.63681
ACPP	-0.18983	5.803457	-2.09567	0.038303	0.280977	-4.2256
ACAP3	-0.18984	5.477922	-2.09527	0.038339	0.280977	-4.22639
C19orf43	-0.18991	7.896292	-2.35667	0.020129	0.193218	-3.682
FKBP15	-0.18991	6.056631	-2.50773	0.013544	0.151529	-3.34101
GNPTG	-0.18999	7.055424	-2.50627	0.013598	0.151913	-3.34441
ECH1	-0.19004	8.008319	-2.72781	0.007375	0.098762	-2.81064
RNMT	-0.19005	4.845548	-2.46225	0.015288	0.162422	-3.44567
FTSJ2	-0.19026	6.268208	-2.52082	0.013077	0.147102	-3.31058
ZNF587	-0.19032	6.794235	-2.18975	0.030559	0.249524	-4.03639
ZNF226	-0.19034	4.115708	-3.35599	0.001072	0.025095	-1.08759
EIF3C	-0.19048	3.704467	-2.23507	0.027342	0.233171	-3.94252
CCDC117	-0.19049	6.415588	-2.36475	0.019716	0.190562	-3.66424
SLC39A13	-0.19074	5.962032	-2.24004	0.027008	0.231618	-3.93212
EXOC3	-0.19108	6.873583	-2.52687	0.012866	0.145364	-3.29646
DDX24	-0.19132	7.154749	-2.2719	0.02495	0.220814	-3.86494
PAN3	-0.19155	9.960233	-2.75073	0.006908	0.09473	-2.75314

INTS10	-0.19156	4.896939	-3.89114	0.000168	0.006555	0.606735
THAP5	-0.1916	5.335988	-2.41478	0.017319	0.177014	-3.55308
SECISBP2	-0.1916	7.408691	-2.10078	0.037843	0.279242	-4.21553
PPP1R2	-0.19163	6.268165	-2.63883	0.009471	0.117663	-3.02981
PRL	-0.19184	4.209192	-2.03985	0.043654	0.304449	-4.33426
PMVK	-0.19189	5.553986	-2.1209	0.036076	0.271294	-4.17562
LOC10028	-0.19206	3.316121	-2.15599	0.033166	0.258724	-4.10518
AKAP7	-0.19219	5.48016	-2.14426	0.034115	0.262825	-4.12885
SIAH1	-0.19222	5.85357	-2.15729	0.033061	0.258473	-4.10253
NACA	-0.1923	9.716842	-2.81231	0.005784	0.084482	-2.59661
PSMG3	-0.19238	6.067648	-2.12268	0.035924	0.270768	-4.17208
PFKFB3	-0.19245	11.17172	-2.38074	0.01892	0.185943	-3.62895
HDDC2	-0.19245	5.767934	-2.16516	0.032439	0.256336	-4.08658
ZNF397	-0.19305	4.429331	-3.45977	0.000759	0.019884	-0.77461
RBM8A	-0.19311	6.91209	-3.19889	0.001782	0.036988	-1.54653
CORO2B	-0.19316	3.562438	-2.7763	0.006419	0.090278	-2.68852
FYCO1	-0.19334	6.11077	-3.85018	0.000194	0.007246	0.470156
COX7C	-0.19359	9.354171	-2.7679	0.006576	0.091667	-2.7098
RNASEH1-	-0.19396	3.831673	-2.84979	0.005185	0.078934	-2.49986
ZSWIM7	-0.19404	5.759295	-2.36051	0.019932	0.191745	-3.67357
PRICKLE1	-0.19404	4.119294	-2.564	0.011635	0.135652	-3.20916
RPL24	-0.1942	11.30291	-2.32517	0.021815	0.204148	-3.75069
BCS1L	-0.19439	5.668808	-2.50181	0.013761	0.152864	-3.35474
TNFRSF25	-0.19448	5.350216	-2.61588	0.010092	0.122411	-3.0853
DHRS7B	-0.19462	6.642725	-1.99139	0.048806	0.326255	-4.42636
ARHGEF1C	-0.19466	4.793156	-3.65788	0.000385	0.01199	-0.156
CIAPIN1	-0.19481	5.589052	-3.25276	0.0015	0.032551	-1.39118
CBX6	-0.19498	8.021472	-2.81313	0.005771	0.084448	-2.5945
SLC22A5	-0.19514	4.232701	-3.85581	0.00019	0.007112	0.488864
DNAJC7	-0.19517	6.736879	-3.12959	0.002218	0.043121	-1.74315
ITPA	-0.19538	7.067283	-2.98745	0.003439	0.058928	-2.13511
PDIA3	-0.19549	6.685735	-2.45507	0.015581	0.16451	-3.46205
RPL30	-0.19557	12.60759	-2.65789	0.008981	0.11372	-2.98339
FAM178A	-0.19574	5.454462	-2.45098	0.01575	0.165865	-3.47134
FAM213B	-0.19589	5.532577	-2.3686	0.019521	0.189491	-3.65577
CYP2R1	-0.19608	4.368291	-3.68972	0.000344	0.011074	-0.05405
PCM1	-0.19622	6.513554	-2.90214	0.004442	0.071014	-2.36289
TOB2	-0.1967	5.33013	-3.73067	0.000298	0.010115	0.078107
PITPNC1	-0.19696	5.591219	-3.62998	0.000424	0.012861	-0.24478
UBE2H	-0.19704	6.848148	-2.44314	0.016079	0.168114	-3.48913
TMEM99	-0.19704	5.265126	-2.33658	0.02119	0.199813	-3.7259
SUMF1	-0.19715	8.566181	-2.26171	0.025593	0.223032	-3.88653
DFFA	-0.19727	5.897833	-3.33722	0.00114	0.026389	-1.14337
MRPL21	-0.19752	6.712702	-2.27518	0.024746	0.219809	-3.85796
C9orf64	-0.19777	8.108445	-2.14447	0.034098	0.262792	-4.12842
IQCE	-0.19793	5.068808	-2.47631	0.014729	0.159651	-3.41351
CCNL2	-0.19829	6.69303	-2.67096	0.008659	0.110678	-2.9514
LTBP3	-0.19833	5.284751	-3.00636	0.003246	0.056584	-2.08386
ATXN1L	-0.19835	7.626617	-2.23659	0.027239	0.233111	-3.93933
RPP14	-0.19837	5.093194	-2.7813	0.006328	0.089411	-2.67582
GAS7	-0.19847	8.410842	-2.04121	0.043517	0.304006	-4.33164
SPOCK2	-0.19863	6.707266	-2.32991	0.021553	0.202399	-3.74041
ATP2A2	-0.19888	6.591346	-3.63835	0.000412	0.012586	-0.21818
HECW2	-0.19906	4.034392	-2.18761	0.030719	0.250329	-4.04077
IKBKB	-0.19938	6.152251	-2.19953	0.029839	0.245276	-4.01629
WDR91	-0.19944	4.943741	-4.42477	2.2E-05	0.00135	2.482486
ATR	-0.19957	5.054054	-2.09935	0.037971	0.279835	-4.21836
RSAD1	-0.19964	6.561984	-2.36747	0.019578	0.189667	-3.65824

C5orf45	-0.19976	5.7623	-2.91204	0.004313	0.069659	-2.33673
VEGFB	-0.20002	4.675291	-2.37425	0.019239	0.187907	-3.64328
ZNF160	-0.20005	5.445989	-3.13275	0.002196	0.042804	-1.73426
GAK	-0.20017	8.582786	-2.74056	0.007112	0.096629	-2.7787
DIS3L2	-0.20022	4.719843	-2.67969	0.008449	0.108941	-2.92995
ZNF550	-0.20025	4.658813	-2.63202	0.009652	0.119258	-3.04633
ST8SIA4	-0.20041	7.08713	-2.07515	0.0402	0.289434	-4.26585
ABCB1	-0.20046	3.891951	-3.3448	0.001112	0.025887	-1.12089
C11orf24	-0.20059	5.843074	-2.99711	0.003339	0.057707	-2.10894
PHC1	-0.2007	5.911839	-1.98829	0.049153	0.327304	-4.43219
YPEL1	-0.20085	4.740774	-3.62501	0.000432	0.013008	-0.26052
SPEN	-0.20107	7.109731	-2.30744	0.022817	0.209552	-3.78897
RPL19	-0.20112	11.93643	-2.2116	0.028969	0.241507	-3.99134
ANK3	-0.20139	4.19688	-3.12467	0.002253	0.043569	-1.75696
TP53TG1	-0.20174	5.04057	-3.43959	0.000812	0.020878	-0.83608
EIF4EBP1	-0.20209	6.065263	-2.20401	0.029513	0.244103	-4.00703
SGSM2	-0.20212	6.532552	-3.7937	0.000238	0.00852	0.283698
ATRNL	-0.20235	5.733752	-3.23365	0.001595	0.033926	-1.44655
HEIH	-0.2026	8.048156	-2.47294	0.014861	0.160417	-3.42123
ZNF763	-0.20274	3.890311	-2.34007	0.021002	0.19863	-3.71829
MCEMP1	-0.20279	12.42478	-2.17663	0.03155	0.253564	-4.06323
ZFYVE27	-0.20282	5.982555	-2.36695	0.019604	0.189753	-3.65939
LILRB2	-0.20282	10.35046	-2.64696	0.009259	0.115664	-3.01004
FAM3C	-0.20306	4.112102	-2.02284	0.045407	0.311155	-4.36681
ARHGAP3	-0.20311	3.907604	-3.68613	0.000349	0.011158	-0.06558
SUN1	-0.20323	4.251707	-3.2216	0.001658	0.034897	-1.48129
SREBF1	-0.20341	5.074226	-3.55662	0.000546	0.015594	-0.47561
ULK2	-0.20362	4.488776	-3.28764	0.00134	0.029755	-1.28949
ZFC3H1	-0.20362	5.501894	-2.8071	0.005873	0.085042	-2.60998
OPHN1	-0.20365	8.571818	-2.13228	0.035109	0.267161	-4.15289
LOC10050	-0.20366	5.612938	-2.1356	0.034831	0.265638	-4.14623
ITPR1	-0.20367	5.660007	-2.45177	0.015717	0.165691	-3.46954
ZNF567	-0.20437	4.355597	-2.20322	0.029571	0.244103	-4.00868
PPM1F	-0.20459	6.797961	-2.74844	0.006954	0.095109	-2.75889
MRFAP1L1	-0.20468	8.422682	-2.1513	0.033542	0.260538	-4.11465
KIAA0247	-0.20494	9.772393	-2.04317	0.043319	0.303226	-4.32787
RPS7	-0.20503	11.74155	-1.99936	0.047925	0.322155	-4.41136
RPS16	-0.20523	10.25613	-2.50264	0.013731	0.152693	-3.35283
LUC7L3	-0.20529	7.608532	-2.20377	0.029531	0.244103	-4.00754
CCAR1	-0.20538	6.682132	-2.00109	0.047735	0.321514	-4.40809
LOC10012	-0.20543	6.312608	-2.10846	0.037159	0.276112	-4.20033
C15orf48	-0.20552	3.491297	-2.77347	0.006472	0.090828	-2.69568
HOXA1	-0.20555	4.056066	-2.35351	0.020293	0.19394	-3.68893
SH3BGRL	-0.20558	10.57742	-2.48679	0.014324	0.157156	-3.38942
MPV17	-0.20578	6.492816	-2.03233	0.044421	0.307736	-4.34867
CCNT1	-0.20608	7.159751	-2.19666	0.030049	0.246435	-4.0222
RPL9	-0.20615	12.24795	-2.69159	0.008171	0.106023	-2.90061
CAMLG	-0.20618	8.648568	-2.37201	0.01935	0.188545	-3.64823
FAM193A	-0.20629	7.170421	-2.03096	0.044563	0.30795	-4.3513
TGIF2	-0.20644	5.448903	-2.31488	0.022392	0.206759	-3.77294
ELL3	-0.20648	4.675208	-3.27122	0.001413	0.030995	-1.33748
LRP1	-0.20658	4.896565	-2.99342	0.003377	0.058211	-2.11895
ZNF831	-0.20676	3.523853	-3.04029	0.002926	0.052722	-1.99119
DUSP7	-0.2071	5.453653	-3.06932	0.002676	0.049376	-1.91123
WDR73	-0.20716	6.201504	-3.47952	0.00071	0.018919	-0.71416
PMPCA	-0.20733	6.319858	-2.19565	0.030123	0.246944	-4.02427
PANK4	-0.20733	5.892158	-2.06695	0.040981	0.292789	-4.28184
EEF1D	-0.20736	7.283241	-4.01729	0.000105	0.004676	1.034144

MRPS30	-0.20743	5.323586	-2.00143	0.047698	0.321476	-4.40744
UQCRC2	-0.20744	6.988302	-2.07225	0.040475	0.290598	-4.27153
ZNF252P	-0.2075	5.09111	-3.83382	0.000206	0.007617	0.415925
LOC10192	-0.20774	3.975871	-2.88031	0.004739	0.074195	-2.42026
SPHK1	-0.20782	5.190817	-1.99949	0.04791	0.322155	-4.41111
SEMA3C	-0.20829	3.903972	-2.19346	0.030284	0.24767	-4.02877
ATF6	-0.20837	7.51292	-2.15716	0.033072	0.258473	-4.1028
ELMSAN1	-0.20853	5.31298	-2.82467	0.00558	0.082737	-2.56483
DFNA5	-0.20856	4.072978	-2.02421	0.045264	0.310502	-4.36421
PDCD4	-0.20861	3.329963	-2.30179	0.023145	0.211146	-3.80113
FAIM	-0.20868	4.080851	-1.98762	0.049228	0.327409	-4.43344
PROK2	-0.20911	12.26454	-2.54186	0.012355	0.141357	-3.26137
AGO1	-0.20926	6.068021	-3.84945	0.000195	0.007251	0.467741
IFT20	-0.20943	8.666835	-2.34214	0.020892	0.198002	-3.71379
NDUFA12	-0.20955	9.245946	-2.22827	0.027805	0.235493	-3.95672
GRHPR	-0.20994	6.676123	-2.52551	0.012913	0.145735	-3.29965
UFM1	-0.20994	6.260637	-2.17958	0.031325	0.252351	-4.05722
C15orf39	-0.21002	6.904545	-2.17456	0.031709	0.254343	-4.06746
FBXO21	-0.21007	5.741103	-2.38216	0.01885	0.185616	-3.62579
SDCCAG3	-0.21018	5.366325	-3.77246	0.000257	0.009034	0.214103
SCML4	-0.2102	5.280498	-2.26367	0.025468	0.222566	-3.88237
YTHDC1	-0.21021	5.395298	-3.13852	0.002157	0.042317	-1.718
CEBPB	-0.21028	12.73826	-3.52827	0.000602	0.016691	-0.56382
R3HDM2	-0.21039	8.002472	-3.28487	0.001352	0.029912	-1.29761
AIF1	-0.21046	9.40673	-3.35463	0.001077	0.025178	-1.09164
LOC72908	-0.21048	2.976026	-3.92483	0.000148	0.005992	0.719876
RPS17	-0.21072	12.25496	-2.64481	0.009315	0.116289	-3.01529
ST14	-0.21097	5.065427	-2.76697	0.006594	0.091787	-2.71216
LOC10012	-0.21123	4.660538	-3.23105	0.001608	0.034139	-1.45406
KIF3A	-0.21126	4.054527	-2.65277	0.00911	0.114777	-2.9959
SF1	-0.21133	6.549382	-2.16475	0.032471	0.256336	-4.08741
SERTAD1	-0.21156	6.64312	-2.88311	0.0047	0.073809	-2.41293
DHPS	-0.21159	6.652389	-2.45029	0.015779	0.166082	-3.47291
CD53	-0.21183	8.167894	-2.66392	0.008831	0.112175	-2.96865
LOC10272	-0.21185	3.360864	-2.95552	0.003787	0.063565	-2.22102
PARP15	-0.2119	3.482163	-3.38963	0.000959	0.023285	-0.987
TULP4	-0.21226	4.135329	-3.30319	0.001274	0.028838	-1.24385
CCDC130	-0.21229	6.63551	-2.98815	0.003431	0.058852	-2.13321
FUBP1	-0.21237	6.087434	-2.9915	0.003397	0.058452	-2.12414
DISP1	-0.21274	3.507908	-4.08998	8.03E-05	0.003758	1.285031
FLJ38717	-0.21278	5.63727	-2.10035	0.037881	0.279423	-4.21638
ENGASE	-0.2128	7.002807	-3.11304	0.002336	0.044753	-1.78956
RYR1	-0.21307	3.603542	-2.94517	0.003906	0.064671	-2.24869
FAM159A	-0.2135	4.449524	-3.76168	0.000267	0.00926	0.178925
MRFAP1	-0.21351	11.34628	-3.2852	0.001351	0.029912	-1.29664
CSNK1D	-0.21352	7.043139	-2.52994	0.01276	0.144486	-3.28929
ABI3	-0.21356	6.957957	-2.80968	0.005829	0.084668	-2.60336
FBXO25	-0.21358	6.191916	-2.81061	0.005813	0.084659	-2.60098
NOB1	-0.21377	6.317393	-2.27376	0.024834	0.220071	-3.86098
LOC10050	-0.21383	5.570818	-2.57299	0.011353	0.132901	-3.18787
ZNF91	-0.21413	4.356863	-3.42936	0.00084	0.021257	-0.86711
RFTN1	-0.21426	5.052593	-3.05904	0.002762	0.050288	-1.93962
KLHL36	-0.21481	7.068501	-3.72727	0.000302	0.010172	0.067065
FNBP4	-0.21503	4.418788	-2.87213	0.004855	0.075144	-2.44166
ATP2B4	-0.21512	7.0301	-2.42045	0.017065	0.175465	-3.54036
CEPT1	-0.21534	6.398976	-2.01035	0.046732	0.316566	-4.39057
WBP11	-0.21553	6.074558	-2.23036	0.027662	0.235195	-3.95235
VPS45	-0.21555	5.468593	-4.09523	7.87E-05	0.003702	1.303256

SAFB2	-0.21555	7.073268	-3.59484	0.000479	0.014047	-0.35581
RPL15	-0.21586	8.35454	-2.8341	0.005428	0.081136	-2.54049
SRSF7	-0.21605	7.143565	-2.06885	0.040799	0.291989	-4.27816
RNF111	-0.21613	8.732174	-2.06265	0.041396	0.29453	-4.29021
RPS4X	-0.21637	11.97921	-2.79256	0.006125	0.087354	-2.64715
CXCR5	-0.2169	4.981193	-3.08058	0.002584	0.048074	-1.88002
PQLC3	-0.21693	6.413083	-2.36424	0.019741	0.190721	-3.66536
CRTC2	-0.217	6.832203	-2.31627	0.022313	0.206312	-3.76994
FRMD4B	-0.21707	4.654279	-3.56979	0.000522	0.015053	-0.43445
SSBP4	-0.21744	5.919914	-3.12949	0.002219	0.043121	-1.74344
HRAS	-0.21758	5.45063	-2.36986	0.019458	0.189136	-3.65298
ERO1LB	-0.21777	5.089511	-2.23589	0.027286	0.233125	-3.94079
MAN2B2	-0.21811	7.473779	-2.17569	0.031622	0.253902	-4.06516
ZNF253	-0.21818	4.750281	-2.49029	0.014191	0.156033	-3.38136
PTPRK	-0.2182	3.054975	-2.47105	0.014936	0.160614	-3.42555
SLC25A25	-0.2188	5.372995	-2.84409	0.005272	0.079474	-2.51465
DET1	-0.21891	4.639429	-2.71765	0.007591	0.100733	-2.83597
EIF3L	-0.21898	11.03205	-2.64406	0.009334	0.11639	-3.01712
MACROD2	-0.2191	3.497212	-4.01146	0.000108	0.004737	1.014162
SDR39U1	-0.21937	7.265824	-2.03156	0.044501	0.30794	-4.35016
ERV3-1	-0.2195	3.848912	-2.65112	0.009152	0.115177	-2.99992
WASF2	-0.21956	8.43985	-1.99396	0.04852	0.325196	-4.42153
SLC3A2	-0.21956	6.824428	-2.69	0.008208	0.106431	-2.90454
TMSB10	-0.22023	11.97458	-2.14836	0.033781	0.261231	-4.12059
ZNF587B	-0.22035	6.537014	-2.04671	0.042964	0.301896	-4.32105
PCGF3	-0.22058	6.158731	-2.87859	0.004763	0.074459	-2.42477
LOC15357	-0.22065	5.060324	-2.10665	0.03732	0.276781	-4.20393
USP53	-0.22079	3.65391	-2.4812	0.014539	0.158471	-3.40228
ZNF764	-0.22086	5.629618	-2.20475	0.029459	0.244048	-4.00551
POLR1C	-0.22096	5.40695	-3.90018	0.000162	0.006392	0.63702
XPA	-0.22099	6.277959	-2.16984	0.032074	0.255711	-4.07708
KCNK6	-0.22114	6.130158	-2.79813	0.006027	0.086465	-2.6329
PLEKHG4	-0.22211	5.098656	-3.70926	0.000321	0.010662	0.008879
CDC37L1	-0.22212	4.491019	-2.55862	0.011806	0.137028	-3.22188
YPEL2	-0.22238	6.195115	-2.86857	0.004906	0.075708	-2.45096
SLC25A12	-0.22248	5.868705	-2.34359	0.020815	0.197548	-3.71062
IFT88	-0.22266	6.223613	-2.30125	0.023177	0.211243	-3.80228
JADE2	-0.22296	5.364393	-3.7282	0.000301	0.01017	0.070089
EIF3H	-0.22354	7.363501	-2.11358	0.03671	0.273849	-4.19018
ZFP90	-0.22367	5.336391	-2.29863	0.02333	0.212358	-3.8079
BRAT1	-0.2238	6.12255	-2.25258	0.026181	0.226223	-3.90578
HSBP1	-0.22402	8.886302	-4.1319	6.85E-05	0.00333	1.431214
ZNF529	-0.22412	4.513486	-2.15771	0.033028	0.258339	-4.10169
PRR24	-0.22424	6.334276	-2.1653	0.032428	0.256336	-4.0863
HTRA1	-0.22435	5.603238	-2.11361	0.036708	0.273849	-4.19012
NOTCH2N	-0.22438	10.35916	-2.38002	0.018955	0.186072	-3.63054
NT5E	-0.22448	3.746389	-3.70142	0.00033	0.010845	-0.01639
TARDBP	-0.22453	7.539055	-2.18176	0.031159	0.251786	-4.05276
ENDOG	-0.22466	5.224882	-2.65259	0.009115	0.114777	-2.99634
HIVEP1	-0.22471	5.847109	-1.98657	0.049345	0.327933	-4.43541
GHDC	-0.22473	5.842455	-2.016	0.046128	0.314491	-4.37984
RRS1	-0.22474	6.727095	-2.62476	0.009848	0.120445	-3.0639
ERMN	-0.22505	3.556229	-2.42123	0.01703	0.175321	-3.53861
LOC10192	-0.2251	6.815616	-3.35968	0.001059	0.024963	-1.07659
PTPRO	-0.2251	6.136279	-3.45267	0.000777	0.02021	-0.79625
AHSA2	-0.22518	6.338672	-2.70812	0.007799	0.102489	-2.85968
MRPS6	-0.22518	7.152176	-2.16572	0.032395	0.256336	-4.08544
LOC15368	-0.22525	3.603749	-2.48172	0.014519	0.158433	-3.40108

GCN1L1	-0.22559	6.24485	-3.24835	0.001521	0.032805	-1.40399
TBRG1	-0.22569	5.866038	-3.13748	0.002164	0.042375	-1.72095
ANG	-0.22581	5.056899	-2.36815	0.019544	0.189616	-3.65674
SCRIB	-0.22595	6.112648	-2.27568	0.024715	0.219809	-3.85691
BTBD18	-0.22598	4.155526	-2.26975	0.025084	0.221235	-3.86949
MFSD8	-0.22598	4.736234	-2.22363	0.028125	0.237026	-3.96638
NME3	-0.2261	5.993051	-2.26677	0.025272	0.221743	-3.87581
TSPYL2	-0.22614	7.042828	-3.68359	0.000352	0.011197	-0.07372
PTEN	-0.22621	9.358115	-2.755	0.006824	0.094034	-2.74239
GAB1	-0.22624	4.805352	-3.91836	0.000152	0.006099	0.698062
LRRC57	-0.22658	5.608313	-2.21441	0.02877	0.240577	-3.98553
ZNF470	-0.22665	3.312053	-3.89873	0.000163	0.006413	0.632161
THEM4	-0.22686	5.091059	-2.5894	0.010855	0.128446	-3.14881
AFF3	-0.22702	3.754598	-4.92756	2.82E-06	0.000299	4.401483
GPR133	-0.22728	3.514831	-3.09833	0.002446	0.046374	-1.83067
GALNT10	-0.22759	5.936193	-2.48842	0.014262	0.156642	-3.38566
SRSF11	-0.22759	6.489135	-2.22118	0.028295	0.238162	-3.97147
ZNF26	-0.22763	4.683654	-2.4415	0.016148	0.168497	-3.49285
FAM13A	-0.22768	5.091198	-3.15267	0.002063	0.041227	-1.67806
PPP1R17	-0.22829	4.63254	-3.73275	0.000296	0.010057	0.084822
NUDT9	-0.22849	5.903241	-2.08463	0.039314	0.285266	-4.24732
RPL6	-0.22859	11.70519	-2.32464	0.021844	0.204188	-3.75182
TMEM167	-0.22869	9.744055	-3.79839	0.000234	0.008423	0.299095
PTRH2	-0.22888	6.45831	-2.18743	0.030732	0.250329	-4.04114
DDX18	-0.22912	6.706295	-2.32851	0.02163	0.202934	-3.74344
PDE8A	-0.22916	4.814078	-5.48448	2.49E-07	4.39E-05	6.677555
RPL31	-0.22919	8.931426	-2.55639	0.011878	0.137508	-3.22715
LOC10028	-0.22945	5.528926	-2.56318	0.011661	0.135873	-3.21111
TFEB	-0.22959	7.909096	-2.41698	0.01722	0.176572	-3.54814
XPO6	-0.22969	10.46012	-2.1996	0.029833	0.245276	-4.01613
SLC25A45	-0.22983	4.886733	-2.55378	0.011963	0.138061	-3.23332
NCKAP5L	-0.23002	5.112939	-4.00742	0.000109	0.004798	1.000329
ZCCHC7	-0.23023	6.093025	-2.06136	0.041521	0.294832	-4.29271
CR2	-0.23049	3.641285	-2.93803	0.003991	0.065647	-2.26775
ERICH1	-0.23059	5.853267	-5.0295	1.83E-06	0.000211	4.8069
ZNF581	-0.23084	7.232993	-2.6774	0.008504	0.109299	-2.93558
TMEM106	-0.23097	4.542309	-4.76886	5.47E-06	0.000482	3.780991
LINC00185	-0.23101	3.196965	-2.60796	0.010315	0.124085	-3.10435
ZNF34	-0.23117	4.190059	-3.70521	0.000326	0.010774	-0.00421
NR3C2	-0.23124	4.065771	-2.06555	0.041116	0.29324	-4.28457
IKZF3	-0.23156	5.410728	-2.44467	0.016014	0.167634	-3.48567
ERGIC1	-0.23164	6.75284	-2.28062	0.024411	0.218462	-3.8464
PRPF38B	-0.23167	7.877836	-2.33452	0.021302	0.200589	-3.73039
PIK3R1	-0.2318	7.645122	-2.21049	0.029048	0.242015	-3.99366
ZCCHC18	-0.23191	4.758923	-3.54397	0.000571	0.016061	-0.51505
NOP14	-0.23194	5.755168	-2.23372	0.027433	0.233601	-3.94534
TRPV2	-0.23261	6.028881	-2.23963	0.027035	0.231752	-3.93297
ZNF324	-0.23263	5.954903	-2.47278	0.014867	0.160417	-3.42159
HPD	-0.233	3.805646	-2.23724	0.027196	0.232837	-3.93798
SLC39A4	-0.23314	5.645028	-2.65362	0.009089	0.114728	-2.99382
TRAF3IP3	-0.23324	7.724682	-2.19189	0.0304	0.248419	-4.03199
LOC10013	-0.23325	6.126329	-2.33542	0.021253	0.200221	-3.72843
FPR3	-0.23356	3.801252	-4.32338	3.28E-05	0.001871	2.11275
RPS25	-0.23374	11.3525	-2.91803	0.004237	0.068644	-2.32089
LUC7L	-0.23379	5.844394	-4.03115	0.0001	0.004509	1.081722
ABHD15	-0.23388	5.343018	-3.10917	0.002365	0.045144	-1.80039
NISCH	-0.23393	6.875989	-4.02159	0.000104	0.004621	1.04889
NUBP1	-0.23457	6.736021	-2.41138	0.017473	0.177878	-3.56069

CD4	-0.23477	5.377524	-3.68947	0.000345	0.011074	-0.05484
WDR82	-0.23478	10.01125	-4.05258	9.24E-05	0.004228	1.155531
C15orf54	-0.23527	3.33883	-3.59862	0.000473	0.01394	-0.34389
CEBPG	-0.23531	6.315719	-2.12472	0.035749	0.270126	-4.16801
CMKLR1	-0.23536	4.627668	-4.29472	3.67E-05	0.002033	2.00932
TNS3	-0.23544	5.421992	-2.71764	0.007591	0.100733	-2.83601
VPS37C	-0.2355	7.150341	-5.04144	1.74E-06	0.000203	4.854738
MEGF6	-0.23576	5.936319	-2.78614	0.00624	0.088482	-2.6635
PRDM1	-0.2361	6.684684	-2.05483	0.042158	0.297975	-4.30536
CST3	-0.23624	6.51487	-2.57066	0.011426	0.13367	-3.19338
NOP2	-0.23637	6.921854	-3.28936	0.001333	0.029689	-1.28446
CPT1A	-0.23691	5.296414	-3.31788	0.001215	0.027736	-1.2006
DENND1C	-0.23705	7.630108	-3.76832	0.000261	0.009106	0.200583
ALG13	-0.23753	6.148366	-2.75054	0.006912	0.09473	-2.75361
MIOS	-0.23755	5.396981	-2.85997	0.005032	0.077127	-2.47339
FAM134B	-0.23773	4.51819	-3.43242	0.000832	0.021145	-0.85783
ZNF573	-0.23791	4.008516	-2.67352	0.008597	0.110148	-2.94511
LFNG	-0.23846	6.140967	-2.7712	0.006514	0.091051	-2.70145
TRPT1	-0.2385	6.236743	-3.59602	0.000477	0.01403	-0.35211
RPUSD4	-0.23867	6.692537	-2.92132	0.004196	0.068081	-2.31216
U2AF1L4	-0.23883	5.965041	-2.20675	0.029316	0.243156	-4.00139
CELF6	-0.23894	4.438541	-3.18402	0.001869	0.038311	-1.58902
STK25	-0.23932	5.514655	-2.956	0.003781	0.063565	-2.21973
TGIF1	-0.23952	4.508365	-3.34063	0.001127	0.026154	-1.13326
ZNF84	-0.2396	5.254577	-2.53229	0.012679	0.143973	-3.2838
ZNF18	-0.23999	6.276339	-2.4969	0.013943	0.153985	-3.36609
TNFRSF1B	-0.24009	9.755092	-2.39107	0.01842	0.182793	-3.60602
ZXDA	-0.24039	4.361582	-2.64993	0.009183	0.115347	-3.00283
TMCC1	-0.24066	5.972374	-2.62855	0.009745	0.119913	-3.05472
NAGS	-0.24067	4.776501	-3.79661	0.000236	0.008462	0.293253
LOC15476	-0.24077	6.113813	-2.12846	0.035431	0.269042	-4.16053
ZNF385A	-0.24092	6.23292	-2.6639	0.008832	0.112175	-2.96871
OSGEPL1	-0.24112	5.070702	-2.14985	0.033659	0.260793	-4.11756
VPS35	-0.24118	8.181441	-2.45373	0.015636	0.165009	-3.4651
TNFSF13	-0.24128	8.356257	-2.13717	0.0347	0.265234	-4.14308
RPL23A	-0.24145	12.7682	-3.09198	0.002495	0.046931	-1.84836
FAM179A	-0.24148	4.537989	-3.11805	0.0023	0.044356	-1.77555
ZHX2	-0.24174	6.140936	-3.1198	0.002287	0.044154	-1.77063
UTP3	-0.24197	7.602939	-2.08368	0.039402	0.285395	-4.24917
ZNF862	-0.24222	6.447509	-3.16066	0.002012	0.040438	-1.65543
MTCH1	-0.24228	9.810631	-3.29707	0.0013	0.029257	-1.26184
ZNF322	-0.24241	5.705382	-2.33963	0.021026	0.19863	-3.71926
ATP7A	-0.24258	6.676588	-2.56109	0.011727	0.136268	-3.21606
GATAD2B	-0.24259	6.856871	-2.72471	0.00744	0.099375	-2.81838
LILRB4	-0.24261	4.278774	-3.78493	0.000246	0.008761	0.25491
DOK2	-0.24283	7.179909	-2.03868	0.043773	0.304719	-4.3365
GABPB1-A	-0.24296	4.992843	-2.4461	0.015954	0.167152	-3.48243
TNIP2	-0.24321	7.498105	-3.48515	0.000697	0.018638	-0.6969
TTYH2	-0.24336	5.425067	-3.10796	0.002374	0.045179	-1.8038
FMNL2	-0.24336	3.82286	-3.0128	0.003183	0.055932	-2.06632
LINC0127C	-0.24343	4.297065	-2.0318	0.044476	0.307875	-4.3497
NUFIP2	-0.24344	8.240984	-2.49995	0.01383	0.153211	-3.35905
BCL2A1	-0.24348	12.054	-3.23525	0.001587	0.033857	-1.44191
AGFG1	-0.24353	7.974616	-2.82574	0.005563	0.082645	-2.56208
UBXN1	-0.24371	6.546513	-3.37482	0.001007	0.024024	-1.03138
PRKAG2-A	-0.24427	4.494101	-5.00682	2.01E-06	0.000226	4.716272
CLNS1A	-0.24462	6.811217	-2.39985	0.018005	0.180337	-3.58647
SLC22A18	-0.24531	6.863337	-2.44275	0.016095	0.168202	-3.49002

SETD6	-0.2454	4.785854	-3.37357	0.001012	0.024068	-1.03514
RPL22	-0.2459	10.40073	-2.78696	0.006225	0.088367	-2.66141
JOSD1	-0.24605	8.185884	-1.99215	0.048721	0.326112	-4.42492
MAGEF1	-0.24608	5.343316	-3.42143	0.000863	0.021614	-0.89115
MTMR1	-0.24615	6.767758	-2.36672	0.019616	0.189777	-3.6599
C11orf80	-0.24629	4.135354	-2.68546	0.008313	0.107459	-2.91574
SNHG17	-0.24664	5.588461	-2.84668	0.005232	0.079245	-2.50792
LINC00667	-0.24666	5.17195	-4.01483	0.000106	0.004708	1.025699
C2orf42	-0.24668	6.051404	-2.37919	0.018995	0.18625	-3.63236
PUS3	-0.24673	7.127578	-2.27299	0.024882	0.22031	-3.86263
INPP5E	-0.247	6.51561	-3.0787	0.0026	0.048312	-1.88524
KCNMA1	-0.24738	3.797608	-3.31349	0.001232	0.028104	-1.21352
SPDYE2	-0.24741	5.582242	-2.30313	0.023067	0.210903	-3.79825
TLR2	-0.24747	10.92029	-2.50008	0.013825	0.153211	-3.35874
ZNF273	-0.24758	4.125839	-2.11826	0.036304	0.272206	-4.18088
TNFSF13B	-0.24764	11.58783	-2.89759	0.004503	0.071811	-2.37488
RPL37A	-0.2481	8.014607	-2.70908	0.007778	0.102292	-2.8573
SEPW1	-0.2484	8.445856	-2.2672	0.025244	0.221743	-3.8749
DNLZ	-0.24855	4.918705	-2.01288	0.046461	0.315845	-4.38577
RLIM	-0.24859	7.76736	-2.10161	0.037768	0.278794	-4.21389
TBC1D30	-0.24867	4.491514	-3.85701	0.00019	0.007094	0.492862
FLJ12120	-0.2491	3.469985	-2.7217	0.007504	0.099902	-2.82589
C20orf194	-0.24929	5.728644	-2.66873	0.008713	0.111083	-2.95688
TTC9C	-0.2494	5.611537	-2.80273	0.005947	0.085761	-2.62114
SNRNP70	-0.24948	6.296559	-2.54743	0.01217	0.139983	-3.24827
HADHB	-0.2496	9.660945	-4.80105	4.79E-06	0.000447	3.905782
RPL10A	-0.24966	11.43014	-2.61363	0.010155	0.122699	-3.09072
ZNF671	-0.24975	5.659783	-3.28526	0.00135	0.029912	-1.29645
SGPL1	-0.24981	5.810566	-2.54175	0.012359	0.141357	-3.26161
CPM	-0.25006	4.526663	-3.96776	0.000127	0.005328	0.865105
KIAA1147	-0.25048	6.002218	-2.7486	0.00695	0.095109	-2.7585
PCSK7	-0.25084	6.176965	-3.23493	0.001588	0.033858	-1.44286
SPATA6	-0.25128	3.36369	-4.60776	1.06E-05	0.000782	3.164842
CLSTN1	-0.25136	6.410634	-3.43775	0.000817	0.020954	-0.84165
ZNF689	-0.25141	5.336243	-2.90725	0.004375	0.070276	-2.34939
MRPS21	-0.2517	7.418354	-2.88524	0.00467	0.07374	-2.40734
COMMD9	-0.25185	7.278653	-2.19446	0.03021	0.247282	-4.02672
XYLT1	-0.25188	5.187994	-3.16631	0.001976	0.039979	-1.63941
GTPBP6	-0.25217	5.897207	-2.50352	0.013698	0.152636	-3.35078
CYB561A3	-0.25252	6.919964	-2.85405	0.00512	0.078246	-2.48879
LOC10272	-0.25257	4.810546	-3.01986	0.003115	0.055193	-2.04709
ZGPAT	-0.25265	6.696797	-2.46907	0.015014	0.161113	-3.43009
SEC14L1P1	-0.25269	4.515246	-3.24943	0.001516	0.032725	-1.40086
ZNF766	-0.25274	6.429215	-2.25932	0.025745	0.224168	-3.89156
RPS23	-0.25275	8.974436	-3.31963	0.001208	0.027609	-1.19543
SFT2D2	-0.25277	7.485435	-2.91673	0.004253	0.068755	-2.32432
PELI3	-0.25301	5.655964	-3.19425	0.001809	0.037386	-1.5598
ZNF254	-0.25325	4.343357	-3.93408	0.000143	0.005827	0.751058
LAPTM4A	-0.25331	10.61695	-4.51891	1.52E-05	0.001003	2.831136
RASSF4	-0.25334	5.154739	-2.92357	0.004168	0.067733	-2.3062
SIPA1L1	-0.25373	5.593983	-2.33975	0.021019	0.19863	-3.71899
HLA-DRB6	-0.25388	5.802368	-3.70076	0.000331	0.010845	-0.01854
LMBR1L	-0.25393	6.530404	-2.84004	0.005335	0.080032	-2.52513
MAP3K14	-0.25408	4.691275	-3.60392	0.000464	0.013771	-0.32719
9-Mar	-0.2541	4.753491	-4.93547	2.72E-06	0.000292	4.432768
CHTOP	-0.25466	7.523617	-3.73808	0.00029	0.009918	0.102135
MPZL1	-0.2549	5.388967	-3.1702	0.001952	0.039666	-1.62835
ZNF667-A	-0.25498	4.282695	-2.46408	0.015214	0.162143	-3.4415

ZNF337	-0.255	5.979248	-4.78677	5.08E-06	0.000462	3.850333
RPL12	-0.25501	11.25279	-3.00842	0.003226	0.056421	-2.07823
EPM2AIP1	-0.25525	6.414046	-2.03401	0.044249	0.307026	-4.34546
PHF1	-0.25544	7.089298	-3.03078	0.003013	0.053846	-2.01725
ZNF703	-0.25599	4.519578	-2.92978	0.004091	0.066751	-2.28969
PLXND1	-0.25607	6.189419	-3.3895	0.00096	0.023285	-0.98738
ZNF44	-0.25627	4.484998	-3.88326	0.000172	0.006675	0.580359
SENP7	-0.25638	5.099565	-2.36731	0.019586	0.189667	-3.65859
ICOS	-0.25639	5.152659	-2.17919	0.031355	0.252492	-4.05802
TRA2A	-0.25641	6.111411	-3.21174	0.001711	0.035684	-1.50967
PIGA	-0.25645	4.851372	-2.23019	0.027674	0.235195	-3.95271
ZNF431	-0.25697	3.945532	-2.39448	0.018258	0.181787	-3.59843
SGMS2	-0.25728	5.997191	-2.08407	0.039366	0.285395	-4.24842
NAT10	-0.25739	6.420742	-3.5999	0.000471	0.013903	-0.33986
SLC27A1	-0.25782	6.092634	-2.96342	0.003698	0.062479	-2.19982
SOCS3	-0.25802	6.639776	-2.01639	0.046087	0.314345	-4.3791
CTSL	-0.25812	7.200756	-2.17005	0.032057	0.255711	-4.07664
ANXA1	-0.25813	9.101887	-1.98827	0.049155	0.327304	-4.43222
ZNF347	-0.25823	3.218118	-4.28855	3.76E-05	0.002067	1.987126
ANKRD50	-0.25862	4.961371	-3.26154	0.001458	0.031877	-1.36568
EXT1	-0.25863	5.102138	-3.00144	0.003295	0.057097	-2.09721
LINC0026C	-0.25864	5.116216	-2.58755	0.01091	0.128819	-3.15322
PIK3C2B	-0.25902	6.558408	-2.48065	0.01456	0.158471	-3.40354
CBX7	-0.25913	7.36169	-2.1141	0.036665	0.273811	-4.18915
UBP1	-0.25951	7.809013	-2.05519	0.042123	0.297936	-4.30467
LOC10013	-0.26017	4.227	-3.64049	0.000409	0.012548	-0.21138
NSUN2	-0.26054	7.878438	-3.34361	0.001116	0.02593	-1.12443
RBM6	-0.26093	6.351924	-2.37917	0.018996	0.18625	-3.63242
ECHDC1	-0.26128	7.588157	-2.83047	0.005486	0.081883	-2.54987
PAN2	-0.26134	5.991219	-2.40029	0.017985	0.180219	-3.58549
FAU	-0.26144	11.37077	-3.48153	0.000705	0.018843	-0.708
MYBL1	-0.26174	5.376995	-2.46604	0.015135	0.16168	-3.43701
LOC15756	-0.26184	5.188261	-4.24055	4.52E-05	0.002374	1.815206
P2RX7	-0.26199	5.504003	-2.28657	0.024049	0.216769	-3.83371
TCF7	-0.26255	7.809949	-2.71983	0.007544	0.100358	-2.83053
PTCD3	-0.26273	5.83388	-2.26765	0.025216	0.221635	-3.87394
RPS6KA3	-0.26296	9.085077	-3.7218	0.000308	0.010284	0.049371
HMG3	-0.26359	8.807905	-1.98174	0.049891	0.32976	-4.44445
RPL34	-0.26397	12.24046	-3.67717	0.00036	0.011381	-0.09431
CHKB	-0.26401	8.051305	-2.55183	0.012026	0.138555	-3.2379
PPFIBP2	-0.26414	5.114353	-2.57746	0.011216	0.131742	-3.17725
MTA1	-0.26421	5.238417	-2.27417	0.024808	0.219942	-3.86011
DFFB	-0.26427	5.153268	-2.41919	0.017121	0.175776	-3.54317
PRDX1	-0.26436	8.816191	-2.46632	0.015124	0.16168	-3.43638
TTC9	-0.26438	4.845624	-2.98498	0.003464	0.059222	-2.14177
ERCC1	-0.26448	5.766657	-3.74412	0.000284	0.00979	0.121739
BBS4	-0.2645	5.163033	-3.47827	0.000713	0.018952	-0.718
ZNF83	-0.26464	4.726903	-2.15022	0.033629	0.260752	-4.11683
VENTX	-0.26489	6.258976	-3.77562	0.000254	0.008964	0.224454
TRIM44	-0.26521	6.232333	-2.77013	0.006534	0.091251	-2.70416
SLC39A1	-0.26523	5.699678	-3.52193	0.000615	0.016966	-0.58345
RNF146	-0.26529	8.544233	-2.07735	0.039993	0.288468	-4.26156
RPLP0	-0.2653	11.26669	-2.62903	0.009732	0.119913	-3.05357
KCNN4	-0.26547	4.813095	-3.14079	0.002142	0.042098	-1.71162
RPL32	-0.26562	12.69195	-3.35827	0.001064	0.025013	-1.0808
BANP	-0.26576	8.105169	-3.41007	0.000896	0.022122	-0.92547
MAT2A	-0.26617	6.710242	-2.79406	0.006099	0.087204	-2.6433
NDUFAF2	-0.26632	5.908261	-3.1455	0.00211	0.041801	-1.69832

CREM	-0.26641	5.229286	-2.38506	0.018709	0.184686	-3.61936
TBC1D9	-0.26642	5.977132	-2.16394	0.032535	0.256639	-4.08906
LINC00094	-0.26677	4.544123	-2.08645	0.039145	0.284646	-4.24374
PTGER4	-0.2668	6.716753	-3.04885	0.00285	0.051571	-1.96769
HS3ST3B1	-0.26703	5.723731	-2.82087	0.005642	0.083442	-2.5746
FAM118A	-0.26733	4.978393	-2.45724	0.015492	0.163993	-3.45711
LYRM9	-0.26738	4.563913	-6.22782	7.96E-09	3.39E-06	9.923295
PFKFB2	-0.26738	7.034916	-2.07733	0.039995	0.288468	-4.26161
XAB2	-0.26796	5.132676	-2.41439	0.017337	0.177106	-3.55396
CD33	-0.26833	7.245009	-2.25256	0.026182	0.226223	-3.90582
SLAMF6	-0.26871	6.353515	-2.8603	0.005027	0.077111	-2.47255
COX20	-0.2691	6.431321	-2.36544	0.01968	0.190313	-3.66272
KIAA0907	-0.26953	6.292931	-2.76476	0.006636	0.092058	-2.71774
P2RY10	-0.26958	4.647328	-2.84779	0.005215	0.079219	-2.50506
LOC10028	-0.26987	4.791575	-2.85119	0.005163	0.078846	-2.49621
LY9	-0.26998	5.862224	-2.46236	0.015284	0.162422	-3.44543
RPS10	-0.27002	10.66595	-3.62528	0.000431	0.013008	-0.25968
MBOAT7	-0.27007	8.802932	-2.16957	0.032094	0.255711	-4.07761
MEN1	-0.27023	6.334139	-2.35648	0.020139	0.193218	-3.68241
CYSTM1	-0.27036	12.20289	-2.66705	0.008754	0.111397	-2.96099
TLR6	-0.27081	6.926483	-2.21791	0.028524	0.23922	-3.97826
MAN1C1	-0.27087	5.301786	-2.38534	0.018696	0.184686	-3.61875
SPP1	-0.27102	3.325151	-2.59379	0.010725	0.127368	-3.13831
PRKCH	-0.27108	5.994699	-3.68895	0.000345	0.011074	-0.05652
LOC93622	-0.27109	5.676039	-2.4123	0.017432	0.177632	-3.55865
NDNL2	-0.27125	5.149157	-2.25805	0.025827	0.224583	-3.89425
RBM5	-0.27134	7.7065	-2.40573	0.017732	0.179355	-3.57333
GOLGA8A	-0.27149	5.893372	-2.28563	0.024106	0.217103	-3.83572
PEPD	-0.27193	6.473937	-3.07046	0.002667	0.049291	-1.90806
IL27RA	-0.27195	5.95487	-2.89115	0.004589	0.072629	-2.39181
MICAL2	-0.27205	6.305354	-2.99266	0.003385	0.058296	-2.12101
CNNM3	-0.27232	6.092542	-2.65281	0.009109	0.114777	-2.9958
PRELID1	-0.27233	8.174742	-2.52531	0.01292	0.145735	-3.30011
ZFP30	-0.27289	4.454067	-3.77499	0.000255	0.008968	0.222392
CD48	-0.27294	9.140235	-2.95431	0.003801	0.063744	-2.22426
TCN2	-0.27305	5.543449	-3.27017	0.001418	0.031067	-1.34054
VAMP2	-0.27329	6.81401	-2.01939	0.045769	0.3128	-4.37338
TIGD1	-0.27356	4.164483	-2.07915	0.039824	0.287743	-4.25805
ZNF320	-0.27392	4.879319	-2.20927	0.029135	0.242444	-3.99618
MAP3K4	-0.27403	6.992989	-2.40537	0.017749	0.179438	-3.57416
PPRC1	-0.27466	5.077245	-3.1088	0.002367	0.045144	-1.80143
SLC12A7	-0.27477	7.810025	-2.76566	0.006619	0.091946	-2.71547
C10orf2	-0.2748	5.014349	-3.75864	0.00027	0.009345	0.169006
KCTD12	-0.27523	10.06535	-2.30461	0.022981	0.210398	-3.79507
ACSL3	-0.27588	7.934327	-2.02239	0.045454	0.311271	-4.36768
ARHGAP1	-0.27597	8.335362	-3.9663	0.000127	0.005332	0.860141
SH3BP5	-0.27601	10.01882	-3.43362	0.000829	0.021113	-0.8542
DPH5	-0.27609	6.418095	-4.00508	0.00011	0.004819	0.992316
PEA15	-0.27618	6.100366	-2.79365	0.006106	0.087248	-2.64436
ATG4D	-0.27651	6.416354	-3.14595	0.002107	0.041782	-1.69706
RUFY3	-0.27673	4.674997	-2.63893	0.009468	0.117663	-3.02957
ZNF641	-0.27704	6.738575	-2.37255	0.019324	0.188465	-3.64705
RPS18	-0.27735	12.53477	-3.11279	0.002338	0.044753	-1.79028
CAMK2D	-0.27763	5.097433	-2.81592	0.005724	0.084199	-2.58732
LAMTOR5	-0.27854	10.06131	-3.34422	0.001114	0.025907	-1.12261
LOC49415	-0.27865	4.34309	-2.95199	0.003827	0.063856	-2.23045
ZNF419	-0.27877	6.009576	-4.96497	2.4E-06	0.000265	4.549655
ZBTB16	-0.27881	5.616505	-2.0392	0.043719	0.304695	-4.33549

LOC28595	-0.27907	4.887283	-2.56639	0.011559	0.134851	-3.20352
VPS51	-0.27952	8.02839	-2.0665	0.041024	0.292803	-4.28271
GLO1	-0.27975	7.908941	-2.3964	0.018167	0.181223	-3.59416
NP1PA1	-0.2802	8.513031	-2.41364	0.017371	0.177363	-3.55563
IMPDH2	-0.28083	7.597124	-2.35336	0.020301	0.19394	-3.68925
CCR9	-0.28086	4.597336	-2.60729	0.010334	0.124096	-3.10597
DENND4B	-0.2813	8.95291	-2.53277	0.012663	0.143945	-3.28267
TNFRSF8	-0.28181	5.305291	-3.64451	0.000403	0.01243	-0.1986
ADAMTSL	-0.28183	5.645175	-2.22549	0.027996	0.236424	-3.9625
MINA	-0.2827	5.152035	-2.98398	0.003475	0.059279	-2.14447
CLMN	-0.28337	5.096514	-3.35648	0.00107	0.025095	-1.08613
TBC1D14	-0.28377	9.359569	-2.7114	0.007727	0.101935	-2.85153
E4F1	-0.28422	5.810407	-3.36798	0.00103	0.024374	-1.05185
BBS2	-0.28429	5.626437	-2.36969	0.019466	0.189136	-3.65335
BIN1	-0.28442	6.615795	-3.14833	0.002092	0.041632	-1.69034
LOC10192	-0.2845	4.177351	-2.52931	0.012781	0.144651	-3.29076
TMEM206	-0.28471	5.04123	-3.38554	0.000972	0.023422	-0.99928
BCL11B	-0.28471	6.145234	-2.22019	0.028364	0.238545	-3.97352
SCML1	-0.28512	4.771198	-2.10724	0.037267	0.276584	-4.20275
CAMK4	-0.28562	4.862892	-2.20763	0.029253	0.242829	-3.99957
DUSP2	-0.28584	5.744732	-2.43752	0.016318	0.169925	-3.50187
COL18A1	-0.28597	6.275535	-2.2128	0.028884	0.241136	-3.98887
LINC00954	-0.2862	4.381122	-3.08867	0.00252	0.047226	-1.85755
CD36	-0.2867	7.630428	-2.34425	0.020779	0.197485	-3.70917
CLN8	-0.28676	4.770184	-5.0213	1.89E-06	0.000217	4.774115
ZNF805	-0.28702	4.819445	-2.94378	0.003923	0.064889	-2.2524
LSM6	-0.28727	8.59785	-3.06622	0.002702	0.049672	-1.91979
ST3GAL5	-0.28729	6.325346	-2.77489	0.006446	0.09052	-2.69209
JUP	-0.28752	5.659712	-2.1637	0.032554	0.256688	-4.08956
KRI1	-0.28804	5.97912	-3.98146	0.00012	0.00515	0.911698
NABP1	-0.2883	8.877668	-2.81109	0.005805	0.0846	-2.59973
LOC10272	-0.28846	3.205455	-3.5137	0.000633	0.017342	-0.60894
BCL11A	-0.2891	6.437003	-2.0613	0.041526	0.294832	-4.29282
KLHL5	-0.2893	5.832572	-2.31798	0.022217	0.205789	-3.76625
RABEP2	-0.29017	5.832739	-4.6235	9.93E-06	0.000748	3.22442
HLA-DOB	-0.29035	5.63425	-4.01323	0.000107	0.004726	1.02023
PITPNM1	-0.29051	6.579705	-2.13924	0.034528	0.264626	-4.13893
MSL3	-0.29055	7.688083	-3.2528	0.0015	0.032551	-1.39108
GPR35	-0.29161	5.826362	-3.60331	0.000465	0.01378	-0.32912
YAE1D1	-0.29163	5.023917	-2.87544	0.004808	0.074808	-2.43302
NRROS	-0.2917	7.054114	-2.62421	0.009863	0.120482	-3.06521
TRAK1	-0.29171	6.20069	-5.82132	5.37E-08	1.41E-05	8.121514
CCDC50	-0.29178	4.750241	-2.72928	0.007344	0.098476	-2.80696
TAF1A	-0.29192	4.105353	-2.29437	0.023582	0.214043	-3.81704
NAGPA	-0.29232	6.456467	-3.49765	0.000668	0.018032	-0.65845
PDE3B	-0.29264	6.494161	-2.54986	0.01209	0.13922	-3.24254
MRPS35	-0.29281	7.078768	-2.14841	0.033776	0.261231	-4.12047
ZFAS1	-0.29332	9.107437	-3.54383	0.000571	0.016061	-0.51547
MDM4	-0.29369	6.492225	-3.6744	0.000363	0.011421	-0.10319
DUSP6	-0.294	10.22204	-2.14749	0.033851	0.26158	-4.12234
NDUFAF7	-0.29472	5.706988	-3.01547	0.003158	0.055601	-2.05905
RBM10	-0.29486	7.117669	-2.8686	0.004906	0.075708	-2.45089
CLEC4D	-0.29494	10.41698	-2.65032	0.009173	0.115315	-3.00187
SLC9A7	-0.295	3.925337	-4.92413	2.86E-06	0.000301	4.387965
WWC3	-0.29513	8.173315	-3.10907	0.002365	0.045144	-1.80068
CXCR1	-0.29522	10.41838	-2.2539	0.026095	0.225889	-3.90301
LOXHD1	-0.29589	4.092059	-2.95365	0.003808	0.063818	-2.22602
C17orf62	-0.29612	9.112992	-2.71028	0.007751	0.102127	-2.85432

POGLUT1	-0.2963	6.082052	-2.16256	0.032644	0.256841	-4.09187
MANBAL	-0.29636	6.279751	-2.4738	0.014828	0.160191	-3.41927
SAT2	-0.29644	7.595737	-2.82855	0.005517	0.082186	-2.55482
DNAJB1	-0.29661	7.393406	-1.99946	0.047914	0.322155	-4.41117
MLH3	-0.29673	5.669239	-2.84598	0.005243	0.079291	-2.50973
TAF7	-0.29713	10.03163	-3.42499	0.000853	0.021463	-0.88036
UTRN	-0.29733	6.345716	-3.71217	0.000318	0.010587	0.01825
TRIT1	-0.29776	5.834915	-2.78417	0.006275	0.088863	-2.66851
SDC2	-0.29781	4.109195	-3.77165	0.000258	0.009045	0.211462
SYTL3	-0.29797	5.012467	-3.2939	0.001313	0.02943	-1.27113
CRIPAK	-0.29851	6.796367	-3.42447	0.000854	0.021463	-0.88193
PCK2	-0.29851	5.816239	-3.69824	0.000334	0.010924	-0.02663
B3GNT5	-0.29855	5.911354	-3.38533	0.000973	0.023422	-0.99989
RPS12	-0.29878	12.23673	-3.27855	0.00138	0.030465	-1.31609
HCLS1	-0.29882	11.46312	-2.12549	0.035683	0.270026	-4.16646
FNIP2	-0.29915	5.650861	-2.33242	0.021416	0.201386	-3.73495
ZNF232	-0.29988	5.144044	-3.0312	0.003009	0.053824	-2.01611
CERK	-0.29991	7.729026	-2.4575	0.015481	0.163993	-3.45651
CCNJL	-0.3003	7.031249	-3.15439	0.002052	0.041095	-1.67319
NUP85	-0.3003	6.546868	-2.50317	0.013711	0.152636	-3.3516
ST20	-0.30047	6.615784	-2.48394	0.014433	0.157848	-3.39599
SMAP2	-0.30051	10.84072	-2.12388	0.035821	0.270366	-4.16968
ZNF580	-0.30059	7.014449	-2.98884	0.003424	0.058778	-2.13134
PRKDC	-0.30106	5.600178	-2.41163	0.017462	0.177854	-3.56015
POLM	-0.30126	5.393972	-2.2044	0.029485	0.244103	-4.00625
PRKX	-0.30253	5.090594	-2.47626	0.014731	0.159651	-3.41362
SETBP1	-0.30281	4.898975	-2.20318	0.029573	0.244103	-4.00876
EPB41L4A	-0.30291	5.228575	-3.76479	0.000264	0.009182	0.189052
LOC10028	-0.30331	5.422273	-2.0327	0.044383	0.307645	-4.34796
PFDN5	-0.30334	10.32224	-2.20165	0.029684	0.244621	-4.01191
FCER2	-0.30402	4.917803	-3.44491	0.000798	0.020612	-0.81988
HSPA5	-0.30433	8.29488	-3.32617	0.001182	0.027146	-1.17608
ARSG	-0.30444	5.61692	-4.36499	2.79E-05	0.001625	2.263731
CIB1	-0.30469	7.50678	-2.33161	0.02146	0.201639	-3.7367
PBX4	-0.3048	5.225849	-4.48083	1.76E-05	0.001135	2.689484
C19orf70	-0.30483	5.876477	-2.3582	0.02005	0.192704	-3.67864
ZNF227	-0.3055	4.78946	-3.18824	0.001844	0.03799	-1.57696
SPNS1	-0.30591	6.242528	-2.88049	0.004737	0.074195	-2.4198
RPS3	-0.30592	11.37779	-2.18693	0.03077	0.250329	-4.04217
HSCB	-0.30641	6.346148	-3.40766	0.000903	0.022246	-0.93272
NLRP1	-0.30653	5.53642	-2.7925	0.006126	0.087354	-2.64728
LOC10012	-0.30668	4.894695	-2.39864	0.018062	0.180553	-3.58917
TP53	-0.30689	5.065475	-2.72719	0.007388	0.098871	-2.81218
CDK5R1	-0.30732	5.231539	-3.08613	0.00254	0.047513	-1.86462
OPN3	-0.3076	6.331598	-2.08162	0.039594	0.28628	-4.25322
SOWAHC	-0.30822	4.15116	-2.53283	0.012661	0.143945	-3.28254
GLIPR1	-0.30845	8.928625	-3.03423	0.002981	0.053556	-2.00781
ABC4	-0.30859	3.954484	-3.57826	0.000507	0.014704	-0.40791
HNRNPA1	-0.30974	6.674969	-2.8203	0.005651	0.083494	-2.57607
C3orf14	-0.31035	3.694556	-4.09386	7.91E-05	0.003712	1.298516
ADAM28	-0.31038	4.578959	-4.60676	1.06E-05	0.000783	3.161062
DDX21	-0.31048	8.877407	-2.49843	0.013886	0.153587	-3.36257
RSL1D1	-0.31057	6.069569	-2.42017	0.017077	0.175506	-3.54099
HVCN1	-0.31059	8.305863	-3.07567	0.002624	0.048611	-1.89363
ASPH	-0.31092	5.68902	-2.83609	0.005397	0.080727	-2.53536
LOC10272	-0.31112	4.840648	-2.17115	0.031972	0.255711	-4.07441
PWAR6	-0.3112	3.663484	-2.35416	0.020259	0.19394	-3.68751
ZNF274	-0.31122	6.971645	-2.87337	0.004837	0.075042	-2.43843

RPL36	-0.31139	9.823171	-2.34406	0.020789	0.197489	-3.70959
PTER	-0.3115	5.067585	-2.01487	0.046248	0.314904	-4.38199
ZNF331	-0.31168	5.222166	-3.97356	0.000124	0.005269	0.884819
C1orf162	-0.31179	10.28633	-3.21903	0.001671	0.035041	-1.4887
PVRIG	-0.31183	7.413643	-2.56764	0.01152	0.134468	-3.20055
RFX3	-0.31218	4.496618	-4.54125	1.39E-05	0.000948	2.914637
GK5	-0.31223	4.084983	-3.23024	0.001613	0.034192	-1.4564
ZNF189	-0.31251	7.657455	-3.06541	0.002709	0.049708	-1.92204
ARL14EP	-0.31274	6.337348	-2.27615	0.024686	0.219715	-3.85592
METRNL	-0.31361	7.67002	-2.38005	0.018953	0.186072	-3.63046
LHX4-AS1	-0.31391	4.630245	-3.00227	0.003287	0.057001	-2.09495
TIAM1	-0.31407	6.175363	-2.71591	0.007628	0.101163	-2.84032
FAM49A	-0.31425	7.644268	-3.00645	0.003246	0.056584	-2.08359
SIGLEC7	-0.3147	7.128512	-3.62945	0.000425	0.012866	-0.24645
GPR155	-0.31487	6.899647	-2.62264	0.009905	0.120862	-3.069
PUS1	-0.31555	5.274917	-3.74215	0.000286	0.009826	0.115328
ZNF571	-0.31559	3.539292	-2.48748	0.014298	0.156951	-3.38783
ID3	-0.31593	4.463188	-3.67442	0.000363	0.011421	-0.10313
ARID5A	-0.31613	7.338822	-2.22974	0.027704	0.235195	-3.95364
PTPRCAP	-0.31616	7.579674	-2.26922	0.025118	0.221389	-3.87063
C14orf28	-0.31655	4.513961	-3.4902	0.000685	0.018395	-0.68139
ZNF506	-0.31656	4.464192	-3.45904	0.000761	0.019884	-0.77684
BEST1	-0.31666	7.157891	-3.35812	0.001064	0.025013	-1.08125
MAF	-0.3168	4.317736	-4.79971	4.81E-06	0.000448	3.900561
ZNF439	-0.31704	4.324669	-2.92931	0.004097	0.066793	-2.29096
RRN3P2	-0.31707	5.071284	-3.87527	0.000178	0.006776	0.553693
KPNA5	-0.31736	4.599895	-2.75576	0.006809	0.09389	-2.74045
PYHIN1	-0.31739	5.722856	-1.98477	0.049549	0.328963	-4.43879
AKR1B1	-0.3176	7.487554	-3.16877	0.001961	0.039807	-1.63242
HAVCR2	-0.31778	5.604355	-5.01925	1.91E-06	0.000217	4.765924
IDI1	-0.31785	8.975286	-3.59228	0.000483	0.014151	-0.36388
MCOLN1	-0.3188	6.812118	-2.16292	0.032615	0.256841	-4.09114
IL18RAP	-0.31895	11.62501	-3.05486	0.002798	0.050805	-1.95114
C9orf91	-0.31945	5.099229	-2.84992	0.005183	0.078934	-2.49953
S100Z	-0.31947	5.200884	-3.12985	0.002217	0.043121	-1.74241
C12orf5	-0.31968	7.365401	-2.46849	0.015038	0.161115	-3.43142
CECR5	-0.31995	6.08678	-3.38339	0.000979	0.023545	-1.00571
CRISP2	-0.32	4.041208	-2.3406	0.020974	0.198595	-3.71713
C6orf48	-0.32072	8.039622	-3.16248	0.002	0.040325	-1.65027
MERTK	-0.32087	5.049135	-2.83625	0.005394	0.080727	-2.53493
ZNF514	-0.32093	4.824799	-3.09809	0.002448	0.046374	-1.83134
LOC10050	-0.3216	6.490341	-2.94043	0.003962	0.065333	-2.26134
TRIB2	-0.32182	6.243201	-2.10463	0.037499	0.27749	-4.20792
KLF11	-0.32229	4.403939	-3.72519	0.000304	0.010228	0.060352
MTSS1	-0.3226	5.314974	-6.2678	6.57E-09	2.99E-06	10.10371
MYLIP	-0.32268	7.404361	-2.7629	0.006671	0.092362	-2.72244
CCDC6	-0.3233	5.45081	-2.69559	0.008079	0.105167	-2.89072
ZNF432	-0.32335	5.827963	-2.06784	0.040896	0.292387	-4.28012
PITPNA	-0.32338	7.250476	-3.13501	0.002181	0.042664	-1.72789
C12orf10	-0.32377	5.94427	-2.76084	0.006711	0.092721	-2.72764
RPL3	-0.32397	11.04511	-3.52758	0.000603	0.016708	-0.56594
CCDC109E	-0.3248	7.665934	-2.3013	0.023174	0.211243	-3.80217
ARFIP1	-0.32481	6.536639	-2.39114	0.018417	0.182793	-3.60586
C19orf60	-0.32483	6.292537	-3.54727	0.000564	0.01599	-0.50475
ZMYND15	-0.3251	4.23792	-3.74278	0.000286	0.00982	0.117382
ZNF14	-0.3254	6.094754	-3.43802	0.000816	0.020954	-0.84084
COL8A2	-0.32552	4.587165	-4.96023	2.45E-06	0.000268	4.53086
ZNF600	-0.32568	5.55308	-2.102	0.037733	0.278736	-4.21312

ZNF137P	-0.32569	5.249752	-2.35394	0.02027	0.19394	-3.68798
CHCHD7	-0.32618	8.228328	-2.61126	0.010222	0.123178	-3.09642
SLC16A6	-0.32646	7.613059	-2.85943	0.00504	0.077192	-2.4748
TRG-AS1	-0.3265	6.709676	-2.2546	0.026049	0.225703	-3.90152
DNMBP	-0.32651	6.012129	-2.47114	0.014932	0.160614	-3.42536
FBXW4	-0.32704	6.564812	-4.60284	1.08E-05	0.000784	3.146238
EPPK1	-0.32713	4.721594	-4.19257	5.44E-05	0.002735	1.64474
IRF2BPL	-0.32746	10.90432	-3.04023	0.002927	0.052722	-1.99137
P2RX4	-0.32819	6.551072	-2.71462	0.007656	0.101336	-2.84353
FBL	-0.32927	8.157113	-2.51907	0.013139	0.147715	-3.31466
PID1	-0.32934	3.841232	-4.73604	6.26E-06	0.000536	3.654297
POU2F2	-0.33032	5.892482	-4.71299	6.89E-06	0.000571	3.565698
PCSK5	-0.33229	4.821176	-2.54759	0.012165	0.139983	-3.24788
TNFRSF10I	-0.33251	4.980764	-3.95411	0.000133	0.005479	0.818784
FBXL15	-0.33299	5.502658	-3.4251	0.000852	0.021463	-0.88003
SH3PXD2E	-0.33361	5.032946	-4.36697	2.77E-05	0.00162	2.270971
PLXNB2	-0.33362	6.030457	-4.26693	4.09E-05	0.002195	1.909497
LOC28483	-0.3338	5.796614	-2.46586	0.015143	0.16168	-3.43743
QRSL1	-0.3338	4.808655	-3.18055	0.001889	0.03854	-1.59889
TAF1D	-0.33613	5.590543	-2.79141	0.006146	0.087509	-2.65007
CIRBP	-0.33622	6.931954	-3.14773	0.002095	0.041669	-1.69201
ZSCAN18	-0.33627	5.518223	-5.12569	1.21E-06	0.000151	5.194211
CDC42EP2	-0.33636	6.694858	-3.31106	0.001242	0.028265	-1.2207
RPS5	-0.3368	11.04088	-2.02887	0.044778	0.308682	-4.3553
CHD3	-0.33729	6.317446	-3.22081	0.001662	0.034915	-1.48359
ARHGEF3	-0.33845	8.418044	-3.05254	0.002818	0.051124	-1.95753
HNMT	-0.33852	4.64786	-4.66754	8.3E-06	0.000661	3.39182
LINC01272	-0.33881	5.557197	-2.84458	0.005264	0.079441	-2.51337
PRPF3	-0.33884	6.54562	-3.51202	0.000636	0.01738	-0.61411
CECR1	-0.33891	9.322539	-2.06436	0.041231	0.293857	-4.28689
CD300C	-0.33965	6.350116	-3.43073	0.000837	0.021214	-0.86296
CD93	-0.33974	9.911591	-3.38243	0.000982	0.023579	-1.00861
TBXAS1	-0.33989	7.953522	-3.13903	0.002154	0.042291	-1.71658
TLE3	-0.34058	8.160773	-2.1788	0.031384	0.252628	-4.0588
APBA2	-0.34071	6.20304	-3.85736	0.000189	0.007094	0.49404
LDOC1L	-0.34089	6.067999	-2.60434	0.010419	0.124669	-3.11305
CCDC104	-0.34127	5.009103	-3.20264	0.001761	0.036623	-1.53578
EFNA1	-0.3428	4.627728	-4.03295	9.94E-05	0.004489	1.087896
CLK1	-0.34355	9.299319	-2.94945	0.003857	0.064209	-2.23726
SATB1	-0.34457	7.1219	-2.52492	0.012934	0.14581	-3.30103
SESN1	-0.34469	6.552724	-2.64719	0.009253	0.115661	-3.00949
BEX4	-0.34507	5.603451	-2.02789	0.044881	0.308764	-4.35718
SLC25A6	-0.34531	9.259364	-2.06512	0.041156	0.29343	-4.2854
USP11	-0.34578	6.868365	-2.52209	0.013032	0.146679	-3.30761
EPHB6	-0.34583	5.196131	-3.2294	0.001617	0.034249	-1.45882
FUCA1	-0.34616	5.314898	-4.91441	2.98E-06	0.000309	4.349573
RUNX3	-0.34617	6.196184	-3.68421	0.000351	0.01119	-0.07174
MYC	-0.34688	8.134325	-2.38289	0.018814	0.185533	-3.62417
CIPC	-0.34763	5.161819	-2.93667	0.004007	0.065809	-2.27136
SFMBT2	-0.3485	4.891777	-4.26551	4.11E-05	0.002201	1.904405
TMCO6	-0.34865	6.568885	-3.23122	0.001607	0.034139	-1.45355
ZNF121	-0.34887	7.276182	-2.12252	0.035937	0.270768	-4.17238
PPP1R16B	-0.34956	5.992598	-3.21843	0.001675	0.035073	-1.49042
LINC00936	-0.34982	7.218003	-2.48938	0.014226	0.156329	-3.38346
SFXN3	-0.35003	6.050418	-4.59951	1.09E-05	0.000786	3.133661
GPER1	-0.35042	4.861884	-4.25027	4.36E-05	0.002302	1.849888
MAML2	-0.35065	5.407768	-2.57523	0.011284	0.132318	-3.18255
CARM1	-0.35092	5.599163	-2.80985	0.005826	0.084668	-2.60291

BTNL8	-0.35114	7.43368	-2.18478	0.030931	0.25071	-4.04658
MAP3K8	-0.35223	7.432579	-2.87818	0.004769	0.074473	-2.42585
NCEH1	-0.35359	4.065073	-2.14647	0.033934	0.261924	-4.12439
TBCB	-0.35497	8.133827	-2.40783	0.017636	0.178557	-3.56866
DPYSL2	-0.35611	9.250872	-2.38742	0.018595	0.183817	-3.61413
MIR3682	-0.35747	4.332863	-2.59651	0.010645	0.126789	-3.13181
S100A10	-0.35798	8.321429	-3.24378	0.001544	0.033151	-1.41725
LCK	-0.35808	7.400069	-2.14975	0.033667	0.260793	-4.11777
RPS24	-0.35815	8.301032	-3.79535	0.000237	0.008485	0.289101
RBM4	-0.3582	6.221373	-2.27142	0.02498	0.220983	-3.86596
RNASE4	-0.36115	4.936383	-2.32428	0.021864	0.204192	-3.75262
LOC10050	-0.36229	5.104513	-2.41987	0.01709	0.175552	-3.54165
MRVI1	-0.36397	7.822387	-2.31258	0.022523	0.207443	-3.77791
GNG7	-0.3641	5.551717	-6.30877	5.4E-09	2.67E-06	10.28913
CTSB	-0.36417	9.728481	-3.2267	0.001631	0.034403	-1.46659
RPS21	-0.36451	9.231672	-4.31332	3.41E-05	0.001924	2.076359
MKNK1	-0.36573	9.056458	-3.15079	0.002075	0.041432	-1.68339
CD22	-0.36621	5.308964	-4.64138	9.24E-06	0.000714	3.292252
CHD8	-0.36626	6.963223	-2.89269	0.004569	0.072467	-2.38778
TAPT1-AS	-0.36654	5.259688	-2.88498	0.004674	0.07374	-2.40801
SCAI	-0.3675	3.857448	-3.30537	0.001265	0.028698	-1.23746
FAM198B	-0.36752	7.176303	-2.76615	0.00661	0.091941	-2.71424
ACOX2	-0.36755	4.247631	-5.25917	6.76E-07	0.0001	5.73907
SWAP70	-0.36789	6.75179	-3.81033	0.000224	0.008165	0.338374
NR1D2	-0.36835	5.058882	-2.0726	0.040441	0.290457	-4.27083
ZNF738	-0.36844	4.350009	-2.87679	0.004789	0.074628	-2.42949
ZNF107	-0.36854	5.286832	-3.40143	0.000922	0.022603	-0.9515
IGHD	-0.36922	5.993891	-2.95182	0.003829	0.063856	-2.23091
UCP2	-0.37045	9.632659	-2.77294	0.006482	0.090905	-2.69703
TAGLN	-0.37051	5.220302	-5.20655	8.51E-07	0.000116	5.523288
HEATR3	-0.37099	5.092955	-3.68591	0.000349	0.011158	-0.06627
LMBRD1	-0.37113	6.954552	-3.65462	0.000389	0.01209	-0.16638
CCR5	-0.37129	7.404349	-3.26057	0.001463	0.031942	-1.36849
ZAP70	-0.37192	6.475573	-2.50036	0.013814	0.153211	-3.35809
KRT10	-0.37202	7.982957	-3.72235	0.000307	0.01028	0.051155
CAPN3	-0.37203	6.838856	-2.12621	0.035622	0.269758	-4.16502
PPARG	-0.37371	4.276015	-3.91075	0.000156	0.006243	0.672482
CD2	-0.37382	7.716631	-2.33669	0.021184	0.199813	-3.72567
ZNF264	-0.37424	5.921933	-3.83132	0.000208	0.007672	0.407674
PPCDC	-0.37488	6.297995	-2.75944	0.006738	0.093033	-2.73119
AMPD2	-0.37531	7.957338	-3.52675	0.000605	0.016733	-0.56854
TNFSF8	-0.37536	6.104319	-3.43692	0.000819	0.020986	-0.84419
GDPD3	-0.37663	6.655983	-3.30963	0.001248	0.028365	-1.22491
ANXA2P2	-0.37682	9.124721	-4.63618	9.43E-06	0.00072	3.272511
TSEN34	-0.37689	9.577871	-3.45941	0.00076	0.019884	-0.77571
ZBTB4	-0.37774	6.963992	-4.62338	9.94E-06	0.000748	3.223954
DDIT4	-0.378	7.718657	-2.18528	0.030893	0.250651	-4.04555
TRAPPC12	-0.37828	6.998476	-2.88387	0.004689	0.073741	-2.41092
ZNF302	-0.37831	5.638517	-2.26288	0.025518	0.222853	-3.88404
LOC10013	-0.37846	5.577747	-2.60608	0.010369	0.124311	-3.10888
FZD2	-0.37873	5.029994	-4.32879	3.21E-05	0.001837	2.132326
ZFP36	-0.37891	11.23041	-2.66103	0.008903	0.112798	-2.97573
LOC10193	-0.37942	5.518784	-4.25069	4.35E-05	0.002302	1.851399
AGPAT4	-0.37983	4.902585	-5.67102	1.07E-07	2.28E-05	7.471372
CD74	-0.37985	7.238552	-3.41309	0.000887	0.022061	-0.91635
LOC10193	-0.37993	4.935086	-2.50607	0.013605	0.151913	-3.34488
TRAF5	-0.38	4.398617	-3.70491	0.000326	0.010774	-0.00517
GPR65	-0.38056	9.696325	-3.67461	0.000363	0.011421	-0.10251

SMCO4	-0.38104	8.064464	-2.81871	0.005678	0.08364	-2.58017
SLC1A3	-0.38124	4.464037	-4.13334	6.81E-05	0.00332	1.436251
CD300LF	-0.38181	9.525723	-2.91937	0.00422	0.068425	-2.31734
C15orf37	-0.38203	7.882369	-3.0422	0.002909	0.052542	-1.98594
MYO1G	-0.38315	8.139248	-2.37593	0.019156	0.187275	-3.63958
ZNF32	-0.38366	5.53998	-3.00971	0.003214	0.056297	-2.07475
ZNF585A	-0.38398	4.649634	-4.65911	8.59E-06	0.000676	3.359707
FAM20A	-0.38414	5.413961	-2.04511	0.043123	0.302602	-4.32412
ANXA2	-0.3859	8.795196	-5.02037	1.9E-06	0.000217	4.770391
ZNF818P	-0.386	5.803851	-2.76579	0.006616	0.091946	-2.71513
GLCE	-0.38616	4.253883	-3.09477	0.002473	0.046725	-1.84058
PNPLA6	-0.38654	8.284286	-2.00781	0.047005	0.317957	-4.39538
ENPP2	-0.38691	4.031015	-3.46976	0.000734	0.01937	-0.74408
STIM2	-0.38707	5.252974	-3.97144	0.000125	0.005278	0.877608
BIRC3	-0.38797	6.652574	-2.90551	0.004398	0.07058	-2.35399
RBM3	-0.388	6.645398	-3.72344	0.000306	0.010257	0.054694
IER5	-0.39003	8.36755	-3.12511	0.00225	0.043551	-1.75574
PLEKHO1	-0.39013	6.923401	-2.14125	0.034362	0.264099	-4.13489
EGR1	-0.39014	9.274634	-2.03228	0.044426	0.307736	-4.34877
TRMT13	-0.39033	5.218429	-2.12019	0.036137	0.27145	-4.17702
TMEM128	-0.39064	5.584264	-2.84246	0.005297	0.0797	-2.51886
MAP4K1	-0.39074	6.082639	-3.68473	0.00035	0.011187	-0.07007
RPS6KA2	-0.39108	5.429776	-5.49845	2.34E-07	4.16E-05	6.736474
COX16	-0.39364	6.911407	-3.4596	0.000759	0.019884	-0.77511
SPIB	-0.39369	5.382148	-4.52278	1.49E-05	0.000994	2.845587
ZNF117	-0.39518	5.205041	-3.11306	0.002336	0.044753	-1.78951
KIAA0355	-0.39641	6.232329	-3.04595	0.002876	0.051986	-1.97564
GIMAP8	-0.398	6.357312	-4.05598	9.12E-05	0.004202	1.167264
C1orf54	-0.39845	5.386235	-5.12088	1.23E-06	0.000153	5.174753
BLK	-0.39913	4.999317	-4.50424	1.61E-05	0.00105	2.77648
THBD	-0.39938	6.673836	-2.67773	0.008496	0.109299	-2.93476
CLIP4	-0.39973	5.643839	-3.90459	0.00016	0.006327	0.65179
GIMAP4	-0.39992	9.315351	-2.46894	0.01502	0.161113	-3.43039
MALT1	-0.40072	6.14598	-2.73906	0.007142	0.09685	-2.78246
SIGLEC10	-0.40116	7.388973	-3.60565	0.000462	0.013748	-0.32173
CSTF2T	-0.40169	6.484938	-2.58122	0.011101	0.130697	-3.16831
CYTIP	-0.40175	9.98237	-4.52618	1.47E-05	0.000991	2.858291
C5orf28	-0.402	4.358667	-2.67085	0.008662	0.110678	-2.95168
KLRC3	-0.40235	4.198634	-2.2663	0.025301	0.221906	-3.8768
KBTBD8	-0.40267	5.830727	-2.60602	0.01037	0.124311	-3.10901
BAG3	-0.40288	5.914987	-2.30384	0.023026	0.21062	-3.79673
DRAM2	-0.4031	7.1191	-3.46287	0.000751	0.019731	-0.76514
PLCL1	-0.40348	4.178055	-3.63138	0.000422	0.012837	-0.24033
CAMK1	-0.40448	5.214914	-2.8253	0.00557	0.082645	-2.5632
STAP1	-0.4046	5.060601	-2.56942	0.011464	0.133972	-3.19634
ZBTB20	-0.40549	5.948578	-3.33601	0.001145	0.026463	-1.14696
ZNF304	-0.40638	3.823883	-3.86641	0.000183	0.006959	0.524154
EDNRB	-0.40788	3.197099	-5.24254	7.27E-07	0.000105	5.670745
CD180	-0.4081	6.279646	-3.63969	0.00041	0.012565	-0.21394
ACADVL	-0.40824	8.510979	-2.43407	0.016466	0.171033	-3.50966
MEF2C	-0.4086	6.189189	-3.53399	0.00059	0.016472	-0.54607
SH3TC1	-0.40882	5.674097	-4.52324	1.49E-05	0.000994	2.847304
DYRK2	-0.40888	6.129272	-2.81265	0.005779	0.084459	-2.59574
NAGA	-0.40984	7.341092	-3.59829	0.000473	0.01394	-0.34496
SLC46A2	-0.4108	6.028953	-2.71081	0.007739	0.102038	-2.85299
A2M-AS1	-0.4126	4.496196	-2.26783	0.025205	0.221631	-3.87356
ZNF420	-0.41695	5.177964	-2.90955	0.004345	0.070067	-2.34332
ZNF211	-0.41707	6.467365	-3.18727	0.001849	0.037997	-1.57973

PAX5	-0.41863	5.951674	-4.2388	4.56E-05	0.002377	1.808941
STAB1	-0.41901	5.846624	-4.12651	6.99E-05	0.003375	1.412355
ADRBK2	-0.41942	6.645248	-3.62455	0.000432	0.013009	-0.26197
LOC73142	-0.41969	5.934326	-2.70416	0.007887	0.103181	-2.86952
ZNF383	-0.42029	4.647671	-3.62865	0.000426	0.012883	-0.24898
LOC10013	-0.42051	6.059091	-3.9884	0.000117	0.005062	0.935334
ZNF260	-0.42189	5.034951	-2.52432	0.012954	0.145882	-3.30241
ATP1A1	-0.42231	7.962797	-3.16377	0.001992	0.040202	-1.64663
HAUS7	-0.4235	5.119502	-3.84126	0.000201	0.007429	0.440564
ZNF559	-0.4237	6.222412	-2.37311	0.019296	0.188283	-3.64581
ADAP2	-0.42459	6.64835	-3.9621	0.000129	0.005374	0.845876
LPL	-0.42488	3.743553	-4.50558	1.6E-05	0.001048	2.781454
SLC2A6	-0.4259	6.498009	-4.28124	3.87E-05	0.002105	1.960857
PCDH9	-0.42622	3.56502	-4.23836	4.56E-05	0.002377	1.807401
SERPINB9	-0.42668	6.882694	-4.04506	9.5E-05	0.004338	1.129584
SLC25A43	-0.42743	4.354234	-2.21151	0.028976	0.241507	-3.99154
BLCAP	-0.42773	7.516827	-3.80428	0.000229	0.00829	0.318463
ZNF266	-0.42832	7.595602	-3.68169	0.000354	0.011237	-0.07982
KLHL15	-0.42844	6.519052	-2.49433	0.014039	0.154639	-3.37203
CRTAM	-0.42945	5.315929	-2.35392	0.020271	0.19394	-3.68801
KCTD6	-0.42945	5.550371	-4.21687	4.96E-05	0.002535	1.730892
FGD2	-0.42958	6.302008	-6.20502	8.87E-09	3.63E-06	9.820636
WDR11	-0.43021	6.328063	-3.47552	0.00072	0.019104	-0.72643
KLF4	-0.43033	7.20272	-3.59505	0.000479	0.014047	-0.35516
FCRL2	-0.43137	5.055277	-4.98117	2.24E-06	0.00025	4.614035
PLEKHA1	-0.43207	6.297682	-2.79927	0.006007	0.086358	-2.63
HAL	-0.43341	5.874486	-3.55055	0.000558	0.015877	-0.49453
LRIF1	-0.4335	7.062494	-2.07317	0.040388	0.290375	-4.26973
EVL	-0.43548	7.379834	-2.94242	0.003939	0.06506	-2.25605
TRIM27	-0.43732	7.838951	-3.85752	0.000189	0.007094	0.494555
ZMAT1	-0.43946	3.96107	-4.60176	1.08E-05	0.000784	3.142155
HNRNPU-	-0.43986	6.327872	-2.85009	0.00518	0.078934	-2.49908
GIMAP7	-0.44036	9.549411	-2.83927	0.005347	0.080154	-2.52713
MTMR11	-0.44084	6.28637	-3.80238	0.000231	0.008318	0.312216
DDHD2	-0.44085	5.411266	-2.44772	0.015886	0.16687	-3.47876
GVINP1	-0.44179	5.370369	-3.32128	0.001201	0.027491	-1.19054
SCN3A	-0.44256	3.674169	-2.7475	0.006972	0.095303	-2.76127
CASS4	-0.44259	4.027515	-4.90161	3.14E-06	0.000325	4.299136
SIGIRR	-0.44292	6.745258	-3.24644	0.001531	0.032903	-1.40953
SLA	-0.4438	10.81966	-3.70089	0.000331	0.010845	-0.0181
LDLRAD3	-0.44392	6.174913	-3.90078	0.000162	0.00639	0.639018
ZNF558	-0.44687	6.09877	-4.60178	1.08E-05	0.000784	3.142227
AKR1C3	-0.44703	5.504169	-2.53836	0.012473	0.142281	-3.26957
ZNF329	-0.44964	4.40027	-3.43012	0.000838	0.021229	-0.8648
FCGR2B	-0.45097	5.904899	-3.39832	0.000932	0.022783	-0.96086
KIAA0226l	-0.45302	8.662187	-2.93535	0.004023	0.065963	-2.27487
FCGRT	-0.45348	8.423325	-2.62187	0.009927	0.120975	-3.07085
SLC38A6	-0.45433	4.325226	-3.01666	0.003146	0.055495	-2.05581
FAM129C	-0.45476	4.986043	-5.19063	9.12E-07	0.000122	5.458257
ABCA1	-0.45536	5.624127	-4.13081	6.88E-05	0.003336	1.427408
GBGT1	-0.45542	6.910895	-4.73407	6.32E-06	0.000536	3.646711
CRYBG3	-0.45581	5.24842	-2.8035	0.005934	0.085631	-2.61918
BTLA	-0.45686	5.852337	-2.70326	0.007907	0.103377	-2.87175
ZFP3	-0.45774	5.207743	-3.44247	0.000804	0.020704	-0.82733
ATHL1	-0.4616	7.630268	-3.24654	0.00153	0.032903	-1.40923
POR	-0.46399	7.339193	-2.07083	0.04061	0.29126	-4.27429
SLC46A3	-0.46554	7.602839	-3.43071	0.000837	0.021214	-0.86301
KMO	-0.46847	5.210366	-4.15181	6.35E-05	0.003125	1.501043

CD1C	-0.46924	6.681672	-3.81867	0.000218	0.007972	0.365874
JADE1	-0.47016	7.109532	-3.95507	0.000133	0.00547	0.822032
FCRL3	-0.47268	5.564996	-3.81017	0.000225	0.008165	0.337865
RIN2	-0.47297	5.856315	-4.07094	8.62E-05	0.003991	1.218975
LINC00877	-0.474	4.771173	-3.38903	0.000961	0.023285	-0.98878
SNX30	-0.47525	6.64727	-3.25062	0.00151	0.032635	-1.3974
ZNF542P	-0.47741	4.654175	-3.46912	0.000736	0.01937	-0.74603
PHACTR1	-0.47829	5.696814	-4.82476	4.34E-06	0.000422	3.99804
ASGR1	-0.47915	6.135126	-3.93916	0.000141	0.005742	0.768194
IL7R	-0.47918	9.144758	-2.81433	0.00575	0.084347	-2.59141
CD200	-0.47953	4.177424	-4.19905	5.31E-05	0.002674	1.667671
GRAMD1C	-0.48014	3.740984	-3.88351	0.000172	0.006675	0.581194
ASGR2	-0.48105	7.905078	-3.39437	0.000944	0.023027	-0.97275
EBF1	-0.48196	3.932749	-3.90913	0.000157	0.006243	0.667045
HOTAIRM1	-0.48368	5.534463	-3.41155	0.000892	0.02212	-0.92099
FYN	-0.48382	7.532431	-3.05837	0.002768	0.050302	-1.94146
SGPP1	-0.48444	6.41498	-3.6098	0.000455	0.013572	-0.30865
CAMK1D	-0.48471	6.194393	-3.01348	0.003177	0.055892	-2.06447
CCR2	-0.48848	7.556864	-2.818	0.005689	0.083752	-2.58198
VPREB3	-0.48906	5.299745	-4.10053	7.71E-05	0.003662	1.321711
SIGLEC16	-0.48959	5.129417	-4.79716	4.86E-06	0.00045	3.890668
FOS	-0.4912	10.64116	-2.10459	0.037503	0.27749	-4.20801
ECHDC3	-0.49147	6.754973	-3.14634	0.002105	0.041771	-1.69594
LOC20077	-0.4915	4.295923	-4.83999	4.07E-06	0.000399	4.057481
CPNE5	-0.49187	6.841791	-3.27205	0.001409	0.030995	-1.33507
CYP1B1	-0.49308	8.404705	-3.44805	0.000789	0.020422	-0.81033
CRTC3	-0.49368	6.295235	-4.70907	7E-06	0.000578	3.550669
CXXC5	-0.49424	6.943692	-3.85784	0.000189	0.007094	0.495615
ITK	-0.49472	7.971819	-2.32061	0.022069	0.205379	-3.76055
TMEM243	-0.4948	7.550573	-3.30353	0.001273	0.028838	-1.24287
SLC15A3	-0.49813	7.707322	-3.01824	0.003131	0.055324	-2.05151
PLXDC2	-0.49937	6.736216	-3.15822	0.002027	0.040711	-1.66235
CCR6	-0.50138	4.439772	-3.43548	0.000823	0.021061	-0.84857
CD52	-0.50143	9.395664	-2.39432	0.018266	0.181787	-3.59879
RALGPS2	-0.50248	5.379392	-5.53724	1.96E-07	3.56E-05	6.900559
LBH	-0.50294	7.111836	-2.90321	0.004428	0.070954	-2.36006
CALHM2	-0.50534	6.85446	-4.4324	2.14E-05	0.001334	2.510557
SLC39A10	-0.50625	5.789892	-2.6143	0.010136	0.122699	-3.08911
BCAT1	-0.50659	5.528669	-3.61065	0.000454	0.013552	-0.30594
AHR	-0.51016	7.504439	-3.23796	0.001573	0.0336	-1.43408
1-Mar	-0.51017	6.826182	-3.88302	0.000173	0.006675	0.579573
CD19	-0.51043	6.330744	-3.98996	0.000117	0.005043	0.940666
RTN1	-0.51383	5.65359	-3.10008	0.002433	0.046173	-1.8258
HLA-DPB1	-0.51522	6.497623	-4.74247	6.1E-06	0.000527	3.679093
SYNE2	-0.51697	5.116543	-7.19805	6.71E-11	9.81E-08	14.43878
HLA-DMB	-0.51746	7.012342	-3.70418	0.000327	0.010784	-0.00753
KLRF1	-0.52161	6.203245	-1.99169	0.048773	0.326255	-4.4258
THBS1	-0.52281	5.464122	-3.22685	0.00163	0.034403	-1.46616
MAFB	-0.52532	9.571196	-3.9666	0.000127	0.005332	0.861164
MAK	-0.52848	5.405934	-3.98566	0.000118	0.005092	0.926
NAAA	-0.52953	6.592235	-4.58706	1.15E-05	0.000812	3.086693
SGK223	-0.53205	7.196689	-3.95741	0.000131	0.005434	0.829975
LINC01127	-0.53347	6.734512	-2.51489	0.013287	0.148974	-3.32439
BLNK	-0.53392	5.796565	-2.55195	0.012022	0.138555	-3.23763
LIPA	-0.53472	9.406565	-2.75304	0.006863	0.094363	-2.74732
GAPT	-0.5355	8.213335	-2.29102	0.023781	0.215221	-3.82419
KYNU	-0.54074	6.15345	-4.36389	2.8E-05	0.001625	2.259742
PCTP	-0.54292	8.211831	-4.4306	2.15E-05	0.001336	2.503944

ENTPD7	-0.54374	6.649297	-3.54482	0.000569	0.016061	-0.51238
UBE2E2	-0.54438	6.247323	-3.53357	0.000591	0.016472	-0.54736
FCRLA	-0.54535	4.651156	-4.30991	3.46E-05	0.001945	2.064057
GIMAP6	-0.54976	8.343934	-3.5086	0.000644	0.017513	-0.62469
FCRL1	-0.55351	7.166238	-3.43478	0.000825	0.021084	-0.85068
MS4A14	-0.55649	5.800494	-3.58303	0.000499	0.014534	-0.39293
CLEC10A	-0.55906	5.294908	-3.95808	0.000131	0.005434	0.832228
RHOA	-0.56217	6.615313	-4.39938	2.44E-05	0.001475	2.389328
GIMAP1	-0.56502	7.186187	-4.6019	1.08E-05	0.000784	3.142683
ZNF708	-0.56964	4.09019	-4.38472	2.58E-05	0.001537	2.335694
GPRASP1	-0.57364	5.218197	-3.21922	0.00167	0.035041	-1.48816
KRT23	-0.57569	8.222108	-2.63421	0.009593	0.118846	-3.04102
IL10RA	-0.57763	9.412988	-5.08542	1.44E-06	0.000176	5.031519
HLA-DQA	-0.58254	5.388531	-2.04843	0.042792	0.301104	-4.31773
SASH1	-0.58423	5.526219	-5.37645	4.03E-07	6.39E-05	6.224687
LINC00926	-0.59261	6.320618	-5.04078	1.74E-06	0.000203	4.852108
ZC3H12D	-0.59281	5.734804	-3.00249	0.003285	0.057001	-2.09437
TPK1	-0.59338	6.694887	-3.31178	0.001239	0.02823	-1.21858
P2RX5	-0.59929	7.852213	-3.5911	0.000485	0.014168	-0.36756
CCR7	-0.60203	7.109787	-3.45456	0.000772	0.020109	-0.7905
ST6GALNA7	-0.6041	6.045115	-3.0684	0.002684	0.049471	-1.91376
LOC72839	-0.60713	7.953577	-4.41848	2.26E-05	0.00138	2.45939
SIDT2	-0.60855	7.848247	-5.24332	7.24E-07	0.000105	5.673956
KLRB1	-0.60991	7.37801	-3.35061	0.001091	0.025485	-1.10361
SLC16A7	-0.61205	5.438062	-4.8394	4.08E-06	0.000399	4.055178
L3MBTL3	-0.6154	6.185243	-3.94607	0.000137	0.00562	0.791569
CPVL	-0.62045	7.778828	-3.03376	0.002986	0.053556	-2.00909
LOC28307	-0.62099	7.074649	-3.52965	0.000599	0.016636	-0.55955
C1QC	-0.62132	5.177266	-3.18235	0.001878	0.038437	-1.59378
BANK1	-0.62963	6.416274	-3.49097	0.000683	0.018371	-0.67902
EGR3	-0.63852	5.607159	-2.29684	0.023436	0.213082	-3.81174
ZNF658	-0.64148	3.893962	-4.44708	2.02E-05	0.001274	2.564665
CNTNAP3	-0.64574	2.951102	-5.01692	1.93E-06	0.000218	4.756593
FAIM3	-0.64595	7.769827	-4.17328	5.86E-05	0.002894	1.5766
BACH2	-0.65355	5.814297	-4.04449	9.52E-05	0.004338	1.127619
CD79A	-0.65628	6.823026	-5.05797	1.62E-06	0.000195	4.921079
LILRA1	-0.65674	6.405104	-6.48984	2.25E-09	1.59E-06	11.11533
C1QA	-0.67442	5.44863	-3.54355	0.000571	0.016061	-0.51634
SLC7A7	-0.6757	9.454433	-4.34437	3.02E-05	0.001733	2.188774
EPB41L3	-0.67729	5.916628	-3.21378	0.0017	0.035489	-1.50381
GPR18	-0.68065	6.039617	-3.0864	0.002538	0.047513	-1.86386
RNASE6	-0.68202	8.478632	-4.1894	5.51E-05	0.002755	1.633534
ATP2B1	-0.68461	7.162119	-3.53771	0.000583	0.016339	-0.5345
RGL1	-0.68629	6.560795	-5.04249	1.73E-06	0.000203	4.858947
CD1D	-0.6955	7.865613	-4.12351	7.07E-05	0.003405	1.401886
CDKN1C	-0.69588	5.549921	-4.51472	1.54E-05	0.001015	2.815517
VCAN	-0.70445	10.50405	-4.02366	0.000103	0.004606	1.055968
LY86	-0.70467	7.849362	-5.28739	5.97E-07	9.12E-05	5.855345
LINC01093	-0.7063	4.021834	-3.69677	0.000336	0.01095	-0.03137
GPR183	-0.70772	7.411772	-3.9263	0.000147	0.005971	0.724806
ARHGEF4C	-0.71058	6.241534	-5.42176	3.29E-07	5.48E-05	6.414012
MSANTD2	-0.71548	5.181888	-3.64559	0.000402	0.012421	-0.19518
MS4A7	-0.71959	7.302803	-4.22941	4.72E-05	0.002453	1.775509
TENM1	-0.72649	4.413469	-6.21826	8.33E-09	3.48E-06	9.880215
HLA-DMA	-0.72755	7.3732	-3.9097	0.000157	0.006243	0.66897
ABCG1	-0.72772	4.819768	-5.28148	6.13E-07	9.29E-05	5.830995
MRC1	-0.72881	4.523743	-4.42657	2.19E-05	0.001345	2.489094
LOC10260	-0.74213	5.87768	-5.40032	3.62E-07	5.98E-05	6.324317

CD72	-0.75396	5.037504	-4.7697	5.45E-06	0.000482	3.784244
MARCO	-0.76759	6.304527	-5.97926	2.58E-08	7.75E-06	8.81429
PDK4	-0.77189	5.142556	-5.18971	9.15E-07	0.000122	5.454487
IRF8	-0.78106	8.271364	-6.56747	1.54E-09	1.17E-06	11.47271
MPEG1	-0.79052	10.03147	-4.93545	2.72E-06	0.000292	4.432691
IL1B	-0.79089	9.022501	-4.37697	2.66E-05	0.001574	2.307424
KIAA1598	-0.79564	6.75247	-3.7814	0.000249	0.008857	0.243347
HLA-DPA1	-0.81123	8.126387	-5.1643	1.02E-06	0.000131	5.350939
FBP1	-0.82309	7.18363	-5.50975	2.22E-07	3.99E-05	6.78421
IL1RAP	-0.8304	7.626801	-5.27124	6.41E-07	9.64E-05	5.788787
HLA-DRA	-0.83441	9.390913	-3.7194	0.00031	0.010354	0.041619
C1QB	-0.83459	5.042051	-4.39224	2.51E-05	0.001508	2.363209
CASP5	-0.83521	6.20488	-4.63161	9.61E-06	0.000731	3.25514
S1PR1	-0.84946	8.104904	-5.98744	2.48E-08	7.69E-06	8.850428
CSF1R	-0.85746	7.526296	-4.81458	4.52E-06	0.000431	3.95838
GPR137B	-0.93018	6.496392	-4.53554	1.42E-05	0.000963	2.89325
VSIG4	-0.98259	6.023503	-4.80656	4.68E-06	0.000439	3.927202
MS4A1	-1.00672	7.047121	-4.62403	9.91E-06	0.000748	3.226412
PLA2G7	-1.01108	4.403841	-6.25426	7.01E-09	3.12E-06	10.04254
NAPSB	-1.06233	5.977982	-5.85268	4.65E-08	1.28E-05	8.258328
HMOX1	-1.06959	8.095556	-6.79319	5.09E-10	4.53E-07	12.52203
TCL1A	-1.07948	6.503327	-5.72262	8.46E-08	1.94E-05	7.693564
FGF13	-1.09956	6.38809	-3.30195	0.001279	0.028891	-1.24751
ADAMTS3	-1.12624	3.925413	-5.6388	1.24E-07	2.56E-05	7.333217
TGFBI	-1.17635	8.624055	-5.34989	4.53E-07	7.14E-05	6.114184
CACNA2D	-1.18622	4.579053	-7.81338	2.87E-12	8.78E-09	17.4232
HPGD	-1.20551	7.059436	-4.88913	3.31E-06	0.000339	4.25004
OLAH	-1.3635	6.227015	-4.7414	6.13E-06	0.000527	3.674954
CD163	-1.37285	7.167102	-6.6537	1.01E-09	8.63E-07	11.87179