

Table S2. The DEGs in GSE75819.

DEG	logFC	AveExpr	t	P.Value	adj.P.Val	B
RPL26	2.8098702	11.77024805	11.11784	3.23E-12	6.81E-10	17.92214
CXCL10	2.733379	7.692350817	11.45642	1.54E-12	4.27E-10	18.64832
COX7B	2.547295	9.828703912	10.25399	2.27E-11	2.42E-09	16.00077
IFI27	2.4501684	11.28729279	6.621799	2.37E-07	3.10E-06	6.83501
RPF2	2.3208104	9.780385381	12.21205	3.11E-13	2.01E-10	20.21605
DAPL1	2.3027135	11.53653356	12.18351	3.30E-13	2.04E-10	20.15813
GNL2	2.2389965	9.717342299	8.735161	8.87E-10	3.54E-08	12.37673
KRT9	2.1874869	9.958858436	3.386078	0.0019787	0.0072721	-2.00712
RGS1	2.1390848	8.580857784	5.343399	8.58E-06	6.39E-05	3.285596
TPSAB1	2.130023	6.958246703	6.563208	2.79E-07	3.56E-06	6.674449
AKR1B10	2.1271637	8.519389323	8.977472	4.85E-10	2.23E-08	12.97605
STX19	2.1233896	8.843116733	10.96839	4.49E-12	8.72E-10	17.59685
NSA2	2.1079969	10.75856894	10.40194	1.62E-11	2.02E-09	16.33695
CWC15	2.1066428	9.727990667	12.33493	2.41E-13	1.67E-10	20.46424
NDUFB3	2.0951628	10.72908237	12.02522	4.59E-13	2.14E-10	19.8351
LARP7	2.0885273	7.759130219	9.81666	6.33E-11	4.95E-09	14.98965
NELL2	2.0875809	9.099245386	5.333828	8.81E-06	6.55E-05	3.258843
NDUFAF2	2.0613821	9.369666186	12.05878	4.27E-13	2.13E-10	19.90383
RPL21	2.0103639	11.65993217	8.880032	6.17E-10	2.69E-08	12.73601
KTN1	1.9584254	8.774963548	7.088182	6.60E-08	1.08E-06	8.101858
ACOT13	1.929459	9.077718493	15.5056	5.92E-16	3.83E-12	26.27308
FAM25A	1.9290258	9.533301131	9.79328	6.69E-11	5.05E-09	14.93486
SCEL	1.9167914	9.197238407	5.421521	6.87E-06	5.28E-05	3.50399
LSM3	1.9080866	10.35016015	11.27136	2.30E-12	5.14E-10	18.25325
CXCL9	1.9071345	7.154791117	9.370544	1.85E-10	1.08E-08	13.93124
TMEM126B	1.9043135	9.510763233	13.19569	4.26E-14	4.93E-11	22.15193
CPA3	1.8659423	7.037450734	6.385484	4.56E-07	5.29E-06	6.185727
CEBPZ	1.8563691	9.412874729	6.968528	9.15E-08	1.41E-06	7.778856
SARNP	1.820999	10.69190049	11.72299	8.69E-13	2.91E-10	19.2096
MTIF3	1.8119633	8.596379917	13.74937	1.46E-14	2.79E-11	23.19206
PSMA4	1.8101132	9.540409283	12.51223	1.67E-13	1.26E-10	20.81911
ENY2	1.8079506	10.09720807	13.61689	1.88E-14	3.04E-11	22.94632
RPL17	1.8042195	12.2886012	11.46781	1.50E-12	4.27E-10	18.67248
C10orf99	1.8001288	9.211811598	5.881765	1.87E-06	1.73E-05	4.7891
NDUFS4	1.791081	10.91757148	11.83343	6.87E-13	2.61E-10	19.43952
PNN	1.7910427	8.39268192	5.951126	1.54E-06	1.47E-05	4.982226
SLIRP	1.7869601	11.74792662	10.69269	8.33E-12	1.30E-09	16.98901
RBM25	1.784464	8.668106759	11.40206	1.73E-12	4.48E-10	18.53272
MT4	1.7783548	11.02541241	2.713886	0.0108664	0.0317804	-3.60638
EIF2A	1.7653896	10.2434394	6.938099	9.94E-08	1.51E-06	7.696481
ATP5EP2	1.7621524	12.40525935	12.14435	3.58E-13	2.05E-10	20.07849
SNRPG	1.7452793	12.0029423	12.02627	4.58E-13	2.14E-10	19.83724
RPL31	1.7316025	11.91284085	11.64775	1.02E-12	3.16E-10	19.0521
UTP11	1.7282872	9.153586739	11.78643	7.59E-13	2.74E-10	19.34185
PDCD5	1.7198161	8.976049926	14.25829	5.59E-15	1.55E-11	24.1181
RPL34	1.7177786	9.175323512	9.994472	4.16E-11	3.63E-09	15.40391
ATP5E	1.7047128	13.08080288	13.21635	4.09E-14	4.93E-11	22.19138
TMEM126A	1.6936394	9.669490454	10.15025	2.89E-11	2.83E-09	15.76327
MCEE	1.6872871	9.950588031	13.08272	5.32E-14	5.31E-11	21.9354
PUM3	1.6793335	8.949926589	7.242571	4.35E-08	7.67E-07	8.516404
METTL5	1.6679006	9.513062517	13.33315	3.25E-14	4.51E-11	22.41339
CCDC59	1.6597851	10.15784779	7.103092	6.34E-08	1.05E-06	8.142003
ITGB3BP	1.654522	7.291710773	10.78751	6.73E-12	1.18E-09	17.1992
TBCA	1.6388243	11.98180926	13.1838	4.36E-14	4.93E-11	22.12921
RPL36AL	1.6387854	11.81605165	9.118869	3.42E-10	1.69E-08	13.32209
MRPL13	1.6300616	9.034578117	12.01382	4.70E-13	2.14E-10	19.81171
CWC27	1.6266232	8.395419925	8.506489	1.58E-09	5.59E-08	11.80388

BRIX1	1.5921479	8.563287831	10.01742	3.94E-11	3.51E-09	15.45705
COX17	1.588769	10.80542058	9.792964	6.69E-11	5.05E-09	14.93412
TPR	1.5874417	8.795515904	8.219239	3.30E-09	9.75E-08	11.07444
CHMP5	1.5804501	8.807225868	10.46457	1.40E-11	1.80E-09	16.47836
FRG1	1.5741422	8.532305452	10.72397	7.77E-12	1.27E-09	17.05848
NSMCE2	1.5706908	8.435911174	9.440927	1.56E-10	9.50E-09	14.10003
RPS24	1.5589277	10.55513158	9.795804	6.65E-11	5.05E-09	14.94078
SPA17	1.5582622	7.565546979	10.72867	7.68E-12	1.26E-09	17.0689
IFI6	1.5548694	8.815379751	6.067841	1.11E-06	1.11E-05	5.306692
LPAR6	1.5538287	9.160501136	8.716193	9.31E-10	3.64E-08	12.32948
RPL26L1	1.5525406	8.842280723	8.728482	9.02E-10	3.58E-08	12.3601
CD58	1.5470416	8.873990139	10.52774	1.21E-11	1.67E-09	16.62048
DEK	1.5381358	8.596670313	7.935129	6.90E-09	1.74E-07	10.34241
SNHG5	1.5351053	11.20457183	6.373725	4.71E-07	5.42E-06	6.153306
TCEAL9	1.5348493	8.012785435	11.72308	8.69E-13	2.91E-10	19.2098
TMA7	1.5306147	11.45007774	13.06844	5.47E-14	5.31E-11	21.90794
SLC47A2	1.5293305	8.651218284	5.211477	1.25E-05	8.80E-05	2.916931
PCM1	1.5273401	8.691703245	7.140407	5.73E-08	9.62E-07	8.242369
NDUFA4	1.5240736	12.23445794	10.75651	7.22E-12	1.21E-09	17.1306
RPL7	1.5204307	9.614506161	7.04267	7.47E-08	1.19E-06	7.979173
ANAPC10	1.518978	8.490929859	12.01006	4.73E-13	2.14E-10	19.80399
RPL23	1.5180685	10.89830044	5.862577	1.97E-06	1.82E-05	4.735639
ARL9	1.5160094	7.450310629	6.912667	1.07E-07	1.60E-06	7.627565
UPF3B	1.5116937	7.424544413	9.349829	1.94E-10	1.12E-08	13.88143
NOP58	1.5107827	8.232046757	6.151596	8.76E-07	9.07E-06	5.539083
IFI16	1.5087983	8.538681764	6.159711	8.57E-07	8.90E-06	5.561577
ARPC3	1.4864605	10.93719415	8.724066	9.13E-10	3.59E-08	12.3491
MRPL33	1.4859814	9.941618226	10.02269	3.89E-11	3.51E-09	15.46926
THOC7	1.4840688	11.39695015	11.44969	1.56E-12	4.27E-10	18.63403
ANKRD12	1.4815387	8.111917311	7.062654	7.08E-08	1.14E-06	8.03307
COX16	1.4813072	10.25881374	11.64537	1.03E-12	3.16E-10	19.04712
LXN	1.4779099	8.043241777	11.54868	1.26E-12	3.71E-10	18.8436
LTV1	1.469813	8.76161439	6.659363	2.14E-07	2.86E-06	6.937794
ZNF277	1.4646553	9.250453074	7.058109	7.17E-08	1.15E-06	8.020815
UQCRCQ	1.4620645	12.38530413	8.151257	3.93E-09	1.09E-07	10.90022
CCDC58	1.4616543	7.626444646	10.06024	3.57E-11	3.33E-09	15.55604
PNISR	1.4590072	7.725133441	5.705998	3.07E-06	2.64E-05	4.298896
SRP14	1.4578319	12.18302518	10.26384	2.22E-11	2.38E-09	16.02324
ATP5J	1.4530005	10.89178979	10.12472	3.07E-11	2.98E-09	15.70461
HSP90B1	1.4520126	10.80783011	5.974874	1.44E-06	1.39E-05	5.048298
HIBCH	1.4496518	10.03563338	8.311809	2.60E-09	8.23E-08	11.3107
STXBP3	1.4465633	7.915296456	6.107443	9.92E-07	1.01E-05	5.416623
MRPS17	1.4459887	8.944991995	11.96504	5.20E-13	2.20E-10	19.71146
ANXA1	1.4379807	11.95707497	6.072354	1.09E-06	1.10E-05	5.319222
NDUFB6	1.4304228	10.03902074	9.098971	3.59E-10	1.74E-08	13.27356
HSPB11	1.4302267	8.573629209	8.541065	1.45E-09	5.24E-08	11.89095
TXNDC17	1.4239711	11.29213576	10.44358	1.47E-11	1.86E-09	16.43103
U2SURP	1.4195553	7.632113533	6.44179	3.90E-07	4.63E-06	6.340827
OXR1	1.4108406	10.41376412	5.930406	1.63E-06	1.54E-05	4.924556
CTNNA1	1.4085826	7.721701917	8.177696	3.67E-09	1.04E-07	10.96805
CKS2	1.4057009	8.951597907	8.253857	3.02E-09	9.17E-08	11.16292
CCDC53	1.3954481	10.0690021	10.57073	1.10E-11	1.54E-09	16.71687
ACTR6	1.3940706	9.062975439	10.91612	5.05E-12	9.60E-10	17.48238
GGH	1.3864739	8.839491546	6.002984	1.33E-06	1.30E-05	5.126472
ATP5C1	1.3852515	10.91223938	9.536133	1.24E-10	8.08E-09	14.32728
RPA3	1.3843274	9.810509475	7.061288	7.11E-08	1.14E-06	8.029386
MRPS31	1.3841472	9.140577576	8.51478	1.55E-09	5.48E-08	11.82478
NDUFA12	1.3837848	10.75773122	9.16273	3.07E-10	1.57E-08	13.42887
RBM34	1.3835446	7.481504461	10.6768	8.64E-12	1.30E-09	16.95366

RSL24D1	1.3810272	11.46955652	9.932641	4.81E-11	4.02E-09	15.26035
LOC101929243	1.378486	8.146451221	8.440205	1.87E-09	6.40E-08	11.63653
SF3B6	1.3783662	9.782841483	10.3594	1.78E-11	2.08E-09	16.2406
MITD1	1.3759592	8.441871983	7.880405	7.97E-09	1.96E-07	10.20024
PSMA3	1.3703908	8.613483521	10.14253	2.94E-11	2.87E-09	15.74556
ZCCHC9	1.369773	9.017097304	9.098182	3.60E-10	1.74E-08	13.27163
ZNHIT3	1.3634813	11.12516531	11.983	5.01E-13	2.16E-10	19.7484
HSPE1	1.3607429	9.381375717	8.316299	2.57E-09	8.18E-08	11.32213
TXN	1.357574	12.89225659	11.65084	1.01E-12	3.16E-10	19.05857
FAM83B	1.3552328	9.534095809	3.632304	0.0010267	0.0040554	-1.38017
SPINK5	1.3500411	9.632180615	4.5135	8.99E-05	0.00049	0.979086
ADH7	1.3485262	6.872487278	4.861083	3.37E-05	0.0002072	1.940225
MRPL50	1.3450456	8.993275636	10.32052	1.95E-11	2.16E-09	16.15232
GTF2H5	1.3381391	10.22532467	9.269235	2.36E-10	1.29E-08	13.68707
TAX1BP1	1.3365989	10.61837944	6.959338	9.38E-08	1.44E-06	7.753989
NEMF	1.3357675	7.327234024	6.05491	1.15E-06	1.15E-05	5.270778
DPM1	1.3331365	10.25753948	10.70712	8.07E-12	1.28E-09	17.02105
C11orf74	1.3331286	7.999124534	9.464962	1.47E-10	9.08E-09	14.15752
15-Sep	1.3317282	10.06992455	8.232058	3.19E-09	9.53E-08	11.10722
VPS29	1.3296755	11.03941417	10.3682	1.75E-11	2.08E-09	16.26055
ATP5O	1.3267361	11.93135735	9.749457	7.42E-11	5.47E-09	14.83196
CSRP2	1.3258157	7.790820747	4.338667	0.0001469	0.0007553	0.500387
RPAIN	1.3217772	9.815834862	11.03146	3.91E-12	7.90E-10	17.73448
LYRM2	1.3213198	8.390862559	8.389968	2.13E-09	7.09E-08	11.5093
COP55	1.3209126	10.77207788	10.56161	1.12E-11	1.57E-09	16.69644
ASPM	1.3169114	7.312664522	9.092412	3.65E-10	1.76E-08	13.25755
DNAJA1	1.3169043	11.22412163	3.950401	0.0004318	0.0019132	-0.54601
MRPL32	1.3156908	8.937418082	12.13024	3.68E-13	2.05E-10	20.04976
CA2	1.3135662	10.67716199	4.710483	5.16E-05	0.0003002	1.52251
HMGB2	1.3122291	8.206305096	9.70653	8.22E-11	5.89E-09	14.7309
SHFM1	1.3102528	10.02556806	9.500445	1.35E-10	8.50E-09	14.24224
NUCB2	1.3084095	7.292418776	7.341022	3.34E-08	6.16E-07	8.779394
TOP2A	1.30797	8.369185235	7.913737	7.30E-09	1.82E-07	10.28688
PBDC1	1.3062523	9.061092976	9.283794	2.28E-10	1.25E-08	13.72225
SOSTDC1	1.303067	9.463768638	7.6658	1.40E-08	3.10E-07	9.639097
NACAP1	1.3025829	7.383863593	7.796019	9.95E-09	2.35E-07	9.980265
HSPA14	1.302338	8.458054036	8.153166	3.92E-09	1.09E-07	10.90512
SLU7	1.3010451	8.250274059	6.651351	2.18E-07	2.90E-06	6.915882
WDR66	1.3003942	7.938576714	3.689947	0.0008789	0.003536	-1.23087
YEATS4	1.3000819	7.960668601	7.549737	1.91E-08	3.96E-07	9.333294
DBI	1.2995151	11.52098923	9.224245	2.64E-10	1.38E-08	13.57819
LAMTOR3	1.2976585	10.1244485	11.3726	1.85E-12	4.72E-10	18.46993
CTSG	1.2948072	6.640968749	5.966039	1.48E-06	1.41E-05	5.02372
NSMCE4A	1.2931202	9.964188753	10.67364	8.70E-12	1.30E-09	16.94662
TRIP11	1.2910519	8.049122338	6.82665	1.35E-07	1.95E-06	7.394007
CENPN	1.2908777	7.784179329	6.956726	9.45E-08	1.45E-06	7.746917
MRPL22	1.2899707	9.650042103	10.53976	1.18E-11	1.63E-09	16.64744
LYAR	1.2890284	7.806726699	10.19499	2.60E-11	2.66E-09	15.86588
ITGAE	1.2888053	8.704497725	7.713732	1.24E-08	2.78E-07	9.764919
ARG1	1.2867825	9.980333721	3.126219	0.0038881	0.0131396	-2.64704
FAM162A	1.28639	8.613242649	4.990065	2.34E-05	0.0001513	2.299138
RSL1D1	1.2846966	10.35893552	8.171045	3.74E-09	1.05E-07	10.95099
CLEC2B	1.2834515	8.99171062	3.768737	0.0007098	0.0029355	-1.0254
RAD51AP1	1.2834156	7.118940704	9.021579	4.34E-10	2.03E-08	13.08429
PFDN5	1.2833987	12.33135269	8.853566	6.60E-10	2.83E-08	12.67059
RB1CC1	1.2799635	8.769348376	6.018715	1.27E-06	1.25E-05	5.170203
ERCC5	1.2787948	9.734084902	6.387826	4.53E-07	5.26E-06	6.192182
USO1	1.2771221	9.561289616	6.279129	6.14E-07	6.75E-06	5.892135
CMC2	1.2768461	10.62302883	10.20934	2.52E-11	2.60E-09	15.89873

NKTR	1.2737821	8.870083722	4.399211	0.000124	0.0006516	0.665718
FCER1A	1.2686871	10.02211206	4.92524	2.81E-05	0.0001773	2.118639
CRYZ	1.2677772	10.10226684	8.6474	1.11E-09	4.24E-08	12.15771
KRCC1	1.2670772	7.388887085	9.423834	1.62E-10	9.81E-09	14.0591
SNX2	1.2665258	9.836254857	7.088488	6.60E-08	1.08E-06	8.102683
GTF2F2	1.2635468	10.53030786	5.98343	1.40E-06	1.36E-05	5.072095
RPL14	1.2626925	8.640821892	4.328177	0.0001513	0.0007743	0.471794
CSTA	1.2611358	9.864381789	6.397262	4.41E-07	5.15E-06	6.21819
FABP5	1.2576576	8.790705464	6.652435	2.18E-07	2.90E-06	6.918849
RGS2	1.2570378	10.39287082	5.158497	1.45E-05	0.0001002	2.768963
GPSM2	1.2557075	9.573052347	6.441476	3.90E-07	4.63E-06	6.339962
TOP2B	1.2515978	10.40990556	5.285762	1.01E-05	7.35E-05	3.124496
FAM133B	1.2510339	7.589959172	8.96689	4.97E-10	2.27E-08	12.95005
IK	1.2468424	9.33544813	8.437843	1.88E-09	6.41E-08	11.63055
PTPRZ1	1.2418855	8.480053923	5.595634	4.20E-06	3.45E-05	3.990652
FNBP4	1.2412234	9.598061754	4.621267	6.64E-05	0.0003745	1.275918
CXCL8	1.2402348	7.743993083	3.04599	0.0047704	0.015687	-2.83947
SSBP1	1.2359431	10.77597094	9.833706	6.08E-11	4.81E-09	15.02955
HSPH1	1.2341404	9.249541676	4.883006	3.17E-05	0.0001967	2.001165
EXOSC8	1.2335427	8.84930911	11.33092	2.02E-12	4.79E-10	18.38088
IWS1	1.2325923	8.081854678	5.980603	1.42E-06	1.37E-05	5.064233
INTS12	1.2319676	9.50126815	9.092616	3.64E-10	1.76E-08	13.25805
CENPP	1.230239	9.184952017	10.70666	8.08E-12	1.28E-09	17.02004
IFT74	1.2292644	7.233152647	9.035294	4.20E-10	1.98E-08	13.11789
RDX	1.2261767	7.855974611	8.067906	4.88E-09	1.30E-07	10.68581
IFT20	1.2241219	8.817603186	10.21421	2.49E-11	2.60E-09	15.90988
MRPL1	1.2226312	7.215468619	9.111357	3.48E-10	1.71E-08	13.30377
NIFK	1.220694	9.347813294	9.959465	4.52E-11	3.83E-09	15.32269
LYPLAL1	1.2164283	8.874785699	7.997701	5.86E-09	1.52E-07	10.50452
TNFSF10	1.2147937	9.513865701	7.469283	2.37E-08	4.69E-07	9.120376
CD36	1.211569	7.227913279	5.679955	3.31E-06	2.81E-05	4.226185
KIF5B	1.2095029	7.687862638	6.737297	1.72E-07	2.39E-06	7.150646
SUCLA2	1.2094199	8.104868663	7.642484	1.49E-08	3.25E-07	9.577793
C5orf46	1.2093258	11.20214767	4.905965	2.97E-05	0.0001861	2.065012
NOL8	1.2073966	7.3689458	7.865357	8.29E-09	2.03E-07	10.16108
WDR75	1.2041499	9.8017251	6.32765	5.36E-07	6.04E-06	6.026175
DDX21	1.2027251	9.804289027	4.963173	2.52E-05	0.0001617	2.224234
CDK7	1.2024597	9.214670308	9.141451	3.23E-10	1.62E-08	13.3771
CCDC90B	1.2021312	8.57548295	11.7756	7.77E-13	2.74E-10	19.31931
SLMAP	1.2012573	9.566790821	7.096319	6.46E-08	1.06E-06	8.12377
RIOK2	1.1979844	8.243670962	6.002786	1.33E-06	1.30E-05	5.125924
GLRX	1.1970391	8.907103452	6.445267	3.86E-07	4.60E-06	6.350397
UBXN4	1.1954967	10.8350956	4.663078	5.90E-05	0.0003376	1.391394
BCLAF1	1.1953837	9.033783393	5.042039	2.02E-05	0.0001329	2.443999
WBP4	1.1932567	8.497341159	7.574512	1.79E-08	3.76E-07	9.398705
CWF19L2	1.1931391	7.905754323	9.608643	1.04E-10	7.05E-09	14.49952
CEP95	1.193126	8.487685614	5.494922	5.58E-06	4.39E-05	3.709185
CNIH4	1.1918237	10.37498072	7.627132	1.55E-08	3.35E-07	9.537394
BAZ1A	1.1909067	8.471823794	6.281101	6.10E-07	6.72E-06	5.897585
EBNA1BP2	1.190745	10.60428227	10.44397	1.47E-11	1.86E-09	16.43191
DDX10	1.1901046	8.534396703	7.236612	4.42E-08	7.75E-07	8.500452
EPSTI1	1.1846906	6.892930598	8.082068	4.71E-09	1.26E-07	10.7223
GTF2A2	1.1840159	9.79120675	10.64969	9.19E-12	1.34E-09	16.89327
C12orf45	1.1838692	8.088112806	9.390826	1.76E-10	1.04E-08	13.97995
MRPS22	1.179406	10.40410904	10.68002	8.58E-12	1.30E-09	16.96081
RND3	1.1792229	9.973312058	3.61941	0.001063	0.0041854	-1.41344
DHX29	1.1780382	8.8569858	5.811157	2.28E-06	2.06E-05	4.592305
POSTN	1.1768181	7.140456066	6.2548	6.57E-07	7.16E-06	5.824864
COMMD10	1.172053	7.987052586	8.457132	1.79E-09	6.18E-08	11.67932

DIAPH2	1.1698569	8.276071892	5.648277	3.62E-06	3.04E-05	4.137716
SNRPA1	1.1666036	10.32171071	7.442348	2.54E-08	4.96E-07	9.048926
NFE2L2	1.1641737	10.97711187	4.36959	0.0001347	0.0006997	0.584768
SRP19	1.1618782	9.336042423	9.792615	6.70E-11	5.05E-09	14.9333
THOC1	1.1596173	7.922567049	7.620266	1.58E-08	3.40E-07	9.519315
RWDD1	1.1595949	8.958069645	10.34392	1.85E-11	2.11E-09	16.20546
HDAC2	1.1582066	9.676128672	6.092343	1.03E-06	1.04E-05	5.374718
GBP1	1.1581086	7.424624184	8.220661	3.29E-09	9.73E-08	11.07807
NCAPG	1.1567402	6.957810457	9.187208	2.89E-10	1.49E-08	13.48835
RPL24	1.1552088	13.53817839	10.31199	1.99E-11	2.19E-09	16.13292
SMIM19	1.1538764	10.45880357	9.609996	1.04E-10	7.05E-09	14.50273
DYNC1I2	1.1536985	10.17136274	6.791843	1.48E-07	2.10E-06	7.299296
DYNLT1	1.1534302	9.891714569	7.835475	8.97E-09	2.16E-07	10.08323
LSM1	1.1507415	11.54893835	11.01548	4.05E-12	8.10E-10	17.69968
EEF1B2	1.1503862	11.18479574	9.71039	8.15E-11	5.86E-09	14.74
PTTG1	1.150264	9.650538699	5.794739	2.39E-06	2.14E-05	4.546519
USMG5	1.1502403	7.833256118	3.955242	0.0004261	0.001891	-0.53314
S100A8	1.150142	11.39398112	4.875618	3.23E-05	0.0002001	1.980625
COX7A2	1.1458163	12.7611328	8.628668	1.16E-09	4.42E-08	12.11083
NOC3L	1.1457807	8.467615059	7.985788	6.05E-09	1.56E-07	10.4737
HPF1	1.1449503	8.340839701	8.727379	9.05E-10	3.58E-08	12.35735
IL36G	1.1436895	9.254100911	3.187914	0.0033178	0.0114192	-2.49735
ANKRD20A1	1.1427237	7.209718651	5.899181	1.78E-06	1.66E-05	4.837613
METAP2	1.1417329	11.08121693	6.851435	1.26E-07	1.84E-06	7.461377
RPL9	1.1390116	11.27418634	8.190573	3.55E-09	1.02E-07	11.00105
UBE2T	1.1386653	7.531267735	8.946739	5.23E-10	2.34E-08	12.90048
SPINK7	1.1380817	7.780714214	3.331087	0.0022863	0.0082404	-2.14453
ITGAV	1.1372776	9.088842083	3.60699	0.0010991	0.0043131	-1.44545
ANKRD49	1.1372324	8.134074795	7.085708	6.65E-08	1.08E-06	8.095195
CKS1B	1.1367978	10.21179448	7.128611	5.92E-08	9.85E-07	8.210659
TCTEX1D2	1.1346493	8.932545462	8.18094	3.64E-09	1.04E-07	10.97636
ANLN	1.134521	7.288190853	7.95699	6.52E-09	1.65E-07	10.39911
MICU2	1.1343305	9.605401628	6.450991	3.80E-07	4.54E-06	6.366149
TMEM123	1.133435	10.75091345	4.062176	0.0003173	0.0014582	-0.24753
ATP5H	1.1332391	12.52448744	10.27929	2.14E-11	2.34E-09	16.05847
GEMIN6	1.1324723	8.169322656	7.82477	9.22E-09	2.22E-07	10.05531
IFNGR1	1.1306247	10.67943693	4.761131	4.47E-05	0.0002653	1.662804
CEP44	1.1284086	9.222861763	4.832691	3.65E-05	0.0002224	1.861352
GNL3	1.1280166	8.007960098	8.823651	7.11E-10	2.96E-08	12.59652
UPF3A	1.1276419	8.166233792	9.22164	2.65E-10	1.38E-08	13.57188
COG6	1.1250274	7.985195771	5.121341	1.61E-05	0.0001092	2.665233
CCDC178	1.1240599	6.559576959	3.550785	0.0012778	0.0049316	-1.58974
RPS3A	1.12065	13.04775752	9.990244	4.20E-11	3.63E-09	15.39411
PTGS2	1.120302	8.118377124	3.764139	0.0007187	0.0029674	-1.03744
MTCP1	1.1196002	9.497108927	9.905873	5.12E-11	4.21E-09	15.19804
GTF2B	1.1194938	9.207768776	9.045812	4.09E-10	1.95E-08	13.14364
MRPL36	1.1178211	10.49952461	8.648513	1.10E-09	4.24E-08	12.1605
CNBP	1.1176108	10.68888105	6.379569	4.64E-07	5.36E-06	6.169418
CRBN	1.1172054	9.485135783	8.145264	4.00E-09	1.10E-07	10.88484
MRPS15	1.1166325	10.32238639	8.850788	6.64E-10	2.84E-08	12.66371
MRPL42	1.1138443	7.587562563	10.79592	6.61E-12	1.18E-09	17.21779
EIF3E	1.1107012	13.54846616	6.140431	9.04E-07	9.32E-06	5.508127
UCHL5	1.1104445	8.501184454	6.536874	3.00E-07	3.77E-06	6.602193
RPS7	1.109508	7.834663385	6.229262	7.05E-07	7.59E-06	5.754211
UPF2	1.1093337	7.953742043	7.903767	7.50E-09	1.87E-07	10.26098
NSRP1	1.1086454	7.032526857	8.89654	5.93E-10	2.60E-08	12.77677
PSMD14	1.1064636	9.560304564	7.923076	7.13E-09	1.79E-07	10.31113
GOLGA4	1.1057515	7.190485277	7.475199	2.33E-08	4.63E-07	9.136058
EXOSC9	1.1054422	7.795132664	11.05954	3.67E-12	7.57E-10	17.7956

PSMA6	1.1049103	11.56486086	8.276606	2.85E-09	8.80E-08	11.22098
ARGLU1	1.1046979	10.39033368	4.219915	0.0002047	0.0010056	0.177635
TMCO1	1.1038307	10.84244589	10.08792	3.34E-11	3.18E-09	15.61988
SDHAF3	1.1026982	8.49566447	9.047634	4.07E-10	1.94E-08	13.1481
SCOC	1.0993115	8.812750902	7.075619	6.83E-08	1.11E-06	8.068012
PPCS	1.0976144	9.783410363	8.231208	3.20E-09	9.54E-08	11.10505
CMSS1	1.0970949	8.345048933	9.669778	8.98E-11	6.36E-09	14.64419
PLGRKT	1.0961305	9.94190567	8.831649	6.97E-10	2.92E-08	12.61634
TTC37	1.0960376	9.351911987	5.304796	9.57E-06	7.02E-05	3.177693
DNAJC8	1.0953162	11.83886022	9.360209	1.89E-10	1.10E-08	13.90639
RPL35A	1.0951442	13.97286434	8.795878	7.62E-10	3.13E-08	12.52766
ZCCHC7	1.0943297	9.197676859	6.970241	9.10E-08	1.41E-06	7.78349
UCHL3	1.0924807	10.24173968	8.815901	7.25E-10	3.00E-08	12.57732
RPS15A	1.0906946	12.5988007	8.138072	4.07E-09	1.12E-07	10.86636
SUB1	1.0875618	8.467137626	8.53297	1.48E-09	5.32E-08	11.87058
FAM183A	1.0868904	8.322624866	4.200612	0.000216	0.0010517	0.125378
NACA	1.0858891	13.2655769	8.500597	1.61E-09	5.65E-08	11.78903
DMTF1	1.084757	7.867650794	6.425237	4.08E-07	4.81E-06	6.295257
RFC4	1.0841833	8.076328076	8.731717	8.95E-10	3.57E-08	12.36816
UQCRB	1.0840435	7.49842745	10.34435	1.84E-11	2.11E-09	16.20645
GGCT	1.0839359	9.022795356	6.545404	2.93E-07	3.70E-06	6.625602
COPS4	1.0829801	9.286606449	11.9038	5.92E-13	2.39E-10	19.58518
HSP90AA1	1.0808692	9.763082739	5.901775	1.77E-06	1.65E-05	4.844837
NDUFA1	1.0793761	12.72687927	8.218208	3.31E-09	9.76E-08	11.0718
VBP1	1.0787963	9.66065314	7.69909	1.28E-08	2.87E-07	9.726514
C1orf131	1.0782923	8.85444892	7.566855	1.82E-08	3.81E-07	9.378497
PRICKLE4	1.0769701	11.01510391	9.089295	3.67E-10	1.77E-08	13.24994
NDUFS5	1.0762483	12.19422291	7.623128	1.57E-08	3.38E-07	9.526851
PSMD1	1.075723	9.658417887	5.372362	7.90E-06	5.94E-05	3.366561
MAPK6	1.0754453	10.47995921	4.062087	0.0003173	0.0014582	-0.24777
CDKN3	1.0752934	7.119148274	7.538373	1.97E-08	4.05E-07	9.303264
BOLA3	1.0738393	8.521556606	9.615529	1.02E-10	7.02E-09	14.51584
SMG1	1.0735034	8.960414652	3.560473	0.0012451	0.0048263	-1.56493
PPWD1	1.0727681	7.585828338	6.820243	1.37E-07	1.98E-06	7.37658
ATP5J2	1.0722468	11.05363326	7.033083	7.67E-08	1.22E-06	7.953301
WISP3	1.071625	7.035084118	5.501543	5.48E-06	4.32E-05	3.727692
CRIP1	1.0662979	8.966798826	7.258588	4.17E-08	7.37E-07	8.559261
PTPN13	1.0653234	8.523642933	3.646948	0.000987	0.0039201	-1.34233
TRIM22	1.0650362	7.144418724	10.37926	1.70E-11	2.08E-09	16.28562
C18orf21	1.0625704	8.11832561	11.36589	1.87E-12	4.72E-10	18.45561
PCMTD1	1.0609332	8.904453331	4.355883	0.00014	0.0007236	0.547349
LBHD1	1.0579185	9.257738208	9.14505	3.20E-10	1.61E-08	13.38586
YAE1D1	1.0573901	7.706664366	9.899737	5.20E-11	4.26E-09	15.18374
CHURC1	1.0573553	9.390530438	3.79254	0.0006653	0.0027777	-0.96302
ACADM	1.0551891	8.481754987	8.292562	2.73E-09	8.54E-08	11.26167
CIR1	1.0534632	7.190404119	7.471742	2.35E-08	4.67E-07	9.126895
MIS18BP1	1.0533276	8.777577614	7.30246	3.70E-08	6.71E-07	8.676512
TTK	1.0523888	7.213217338	9.618326	1.02E-10	7.01E-09	14.52247
RRP15	1.0518355	8.685553233	7.860525	8.40E-09	2.05E-07	10.1485
RTN2	1.0513676	8.434641823	6.554735	2.85E-07	3.63E-06	6.651207
CCDC34	1.0511735	7.371574665	9.265594	2.38E-10	1.29E-08	13.67827
SLK	1.050514	7.913029437	5.841529	2.10E-06	1.91E-05	4.67698
CKLF	1.0505117	9.534442474	5.868526	1.94E-06	1.79E-05	4.752216
TATDN1	1.0500259	7.858765352	9.342403	1.98E-10	1.13E-08	13.86355
COMMD3	1.0491305	11.76933539	11.68553	9.41E-13	3.10E-10	19.13129
LLPH	1.0491059	7.627883221	9.653254	9.34E-11	6.57E-09	14.60514
LEO1	1.0467178	7.421360258	5.668034	3.42E-06	2.89E-05	4.192896
SNRPB2	1.0457496	9.683835108	10.28083	2.14E-11	2.34E-09	16.06199
ZCCHC6	1.0441741	7.35380638	6.509014	3.24E-07	4.00E-06	6.525684

CCT8	1.0425712	11.2146327	7.02292	7.89E-08	1.25E-06	7.925866
EIF3M	1.0417472	9.696196946	9.341161	1.98E-10	1.13E-08	13.86056
C12orf29	1.0405311	9.376597575	5.248159	1.12E-05	8.06E-05	3.019413
GOLGA5	1.0381392	9.215309889	7.048363	7.36E-08	1.18E-06	7.994532
UQCC2	1.0373466	10.37929041	5.11695	1.63E-05	0.0001103	2.652979
PTTG3P	1.0356521	8.603252655	5.222107	1.21E-05	8.59E-05	2.946625
RPS20	1.0354975	13.41162121	10.46309	1.40E-11	1.80E-09	16.47504
MCUB	1.0354059	9.905027623	7.26021	4.15E-08	7.36E-07	8.563601
CCDC146	1.0330468	6.929441442	6.895651	1.12E-07	1.67E-06	7.581419
DEFB1	1.0327492	12.73431932	5.682444	3.28E-06	2.79E-05	4.233133
DDX46	1.0327061	8.331100292	7.424408	2.67E-08	5.15E-07	9.001292
SKIV2L2	1.0313781	8.321103949	5.851096	2.04E-06	1.87E-05	4.703645
COMMD8	1.0293543	7.448059033	9.307994	2.15E-10	1.20E-08	13.78065
PTS	1.0290168	9.569903737	10.67502	8.67E-12	1.30E-09	16.9497
EIF3A	1.0270611	9.032116053	6.845018	1.28E-07	1.87E-06	7.443939
HSPA4L	1.0270356	7.811271166	5.076521	1.83E-05	0.0001219	2.540168
HIGD1A	1.0258594	10.93581655	6.6143	2.42E-07	3.15E-06	6.814476
LAMB4	1.025037	7.540073929	6.692895	1.95E-07	2.64E-06	7.029444
KNTC1	1.0247531	7.775747136	6.517567	3.16E-07	3.92E-06	6.549179
TXNDC9	1.0232829	7.53412582	7.449683	2.49E-08	4.90E-07	9.068393
ATP23	1.0215194	8.452888386	7.76154	1.09E-08	2.52E-07	9.890135
COX7C	1.0194469	13.3173505	8.707856	9.50E-10	3.71E-08	12.3087
DNAJC9	1.017373	10.22412002	7.591327	1.71E-08	3.61E-07	9.44306
NOL7	1.0172164	11.12805525	7.851234	8.60E-09	2.09E-07	10.1243
USP16	1.0158439	7.766977606	7.237892	4.40E-08	7.73E-07	8.503878
PTN	1.0146272	8.266982963	9.283516	2.28E-10	1.25E-08	13.72158
UBA3	1.0144159	8.269722105	5.22659	1.19E-05	8.50E-05	2.959151
NDUFB2	1.0120075	11.95826462	9.589964	1.09E-10	7.34E-09	14.45522
PRMT3	1.011619	9.075912426	7.350598	3.25E-08	6.06E-07	8.804917
ATP5F1	1.0115998	10.27038139	8.42746	1.93E-09	6.55E-08	11.60428
MFAP1	1.0115185	8.289145671	10.19215	2.62E-11	2.66E-09	15.85939
TRMT13	1.011357	7.298280518	8.011865	5.65E-09	1.47E-07	10.54115
VSNL1	1.0097999	8.218689967	6.742312	1.70E-07	2.37E-06	7.164325
PRRC2C	1.0091945	9.17537816	5.577934	4.41E-06	3.59E-05	3.941195
POLB	1.0084536	9.726769925	8.280333	2.82E-09	8.74E-08	11.23049
COQ3	1.0076174	8.642884562	10.49601	1.30E-11	1.71E-09	16.54917
HSBP1	1.0075227	11.12182241	9.164892	3.05E-10	1.57E-08	13.43413
H2AFZ	1.0072189	12.27018747	7.557224	1.87E-08	3.90E-07	9.353068
ASNSD1	1.0067605	9.760925617	6.011503	1.30E-06	1.27E-05	5.150158
KIF20B	1.0049397	7.82852878	6.464364	3.66E-07	4.41E-06	6.402944
TIMM21	1.0036531	9.081374593	9.611662	1.03E-10	7.05E-09	14.50668
MBIP	1.0035545	8.02057125	7.600953	1.67E-08	3.55E-07	9.468437
MYL12B	1.0012674	13.0945059	8.875109	6.25E-10	2.70E-08	12.72385
CDC5L	1.000674	7.405074943	6.436379	3.96E-07	4.69E-06	6.325932
LYRM1	1.0005165	10.06452182	8.951866	5.16E-10	2.32E-08	12.9131
IFI44	0.9995127	6.714069083	5.347692	8.47E-06	6.33E-05	3.297598
MPHOSPH10	0.9991265	7.102158154	6.738036	1.72E-07	2.39E-06	7.152663
CLCA4	0.9981248	9.211092539	2.944555	0.0061596	0.0196396	-3.07896
HDDC2	0.9980387	10.79304701	8.441762	1.87E-09	6.39E-08	11.64047
ETFA	0.9974317	10.54537415	6.062496	1.13E-06	1.13E-05	5.291846
ATP6V1E1	0.9969072	11.6748179	7.867688	8.24E-09	2.02E-07	10.16714
COX6C	0.9962606	12.56180958	13.15978	4.57E-14	4.93E-11	22.08327
BAZ2B	0.9939244	8.940164026	6.239868	6.85E-07	7.42E-06	5.783558
MRPL21	0.9929169	9.690856046	5.570724	4.50E-06	3.65E-05	3.921046
STK3	0.9919669	9.251257812	6.270108	6.29E-07	6.89E-06	5.867195
NOP10	0.9909955	11.69122158	10.27326	2.17E-11	2.36E-09	16.04473
GOLGB1	0.9908226	7.642552633	4.40453	0.0001222	0.000644	0.680265
DDX50	0.99046	8.793376975	9.889633	5.32E-11	4.32E-09	15.16018
CETN2	0.9902783	10.93407681	6.833561	1.32E-07	1.92E-06	7.412798

SEC61G	0.9902207	11.79392404	8.803342	7.48E-10	3.08E-08	12.54618
NUSAP1	0.9896529	8.094098003	7.251622	4.24E-08	7.50E-07	8.540625
MDH1	0.9893871	11.91011018	9.628747	9.90E-11	6.89E-09	14.54715
DPY30	0.9886792	8.691522375	10.33148	1.90E-11	2.13E-09	16.17722
HPGD	0.9884463	8.841522406	3.78761	0.0006743	0.0028048	-0.97596
C4orf33	0.9883044	7.267743717	7.265442	4.09E-08	7.27E-07	8.577595
BTAF1	0.9853354	9.657053994	3.536802	0.0013265	0.0051031	-1.6255
CCP110	0.9843506	7.985027872	8.857674	6.53E-10	2.81E-08	12.68075
WDR60	0.983639	7.906309835	7.000173	8.39E-08	1.32E-06	7.864423
NMRK1	0.983538	8.406347874	8.784338	7.84E-10	3.20E-08	12.49901
ZRSR2	0.9782033	8.391736314	6.460458	3.70E-07	4.45E-06	6.392197
ZFAND2A	0.971778	9.237445039	5.505116	5.42E-06	4.28E-05	3.737679
TCEB1	0.9703339	9.63335971	10.75681	7.21E-12	1.21E-09	17.13128
NCOA7	0.9697969	9.154522388	2.821111	0.0083665	0.0254551	-3.36431
ATP5I	0.9697044	9.042838787	7.355111	3.21E-08	5.99E-07	8.816942
AGAP6	0.9681675	8.819078457	4.323092	0.0001535	0.0007848	0.457937
CCT2	0.9678323	10.54775918	6.63734	2.27E-07	2.99E-06	6.877549
TMED5	0.9675188	8.577376063	3.880558	0.0005231	0.0022623	-0.7312
NFU1	0.9671391	8.676411763	8.081865	4.71E-09	1.26E-07	10.72178
ECT2	0.9668082	7.510075802	6.635405	2.28E-07	3.01E-06	6.872255
PBK	0.9665893	7.008589264	8.100151	4.49E-09	1.22E-07	10.76886
DDX1	0.96654	11.28675987	6.290456	5.94E-07	6.59E-06	5.923439
TMEM237	0.9664817	9.727519301	8.203587	3.44E-09	1.00E-07	11.03438
LYRM5	0.9664341	10.24848041	8.013104	5.63E-09	1.47E-07	10.54435
NPHP3	0.9658987	7.440544283	5.21471	1.24E-05	8.74E-05	2.92596
MRPL51	0.9653417	10.99742108	8.111266	4.36E-09	1.19E-07	10.79746
MX1	0.9643158	10.18890212	3.525147	0.0013684	0.0052395	-1.65526
TMEM14B	0.9641981	10.16614151	6.628288	2.33E-07	3.06E-06	6.852774
NMD3	0.9638435	7.679544392	5.95557	1.52E-06	1.45E-05	4.99459
TOM1L1	0.9628548	7.704831201	6.098856	1.02E-06	1.03E-05	5.392794
RSRC1	0.9622778	6.997578189	8.329822	2.48E-09	7.95E-08	11.35654
PSMC2	0.9615212	11.27356008	7.612982	1.61E-08	3.46E-07	9.500131
PAK1IP1	0.9601727	7.620737929	8.968164	4.96E-10	2.27E-08	12.95318
CENPW	0.9596285	7.616171547	5.959571	1.50E-06	1.44E-05	5.005725
JMJD1C	0.9591192	7.269111664	4.18203	0.0002275	0.0010987	0.07513
CENPU	0.9573825	7.603204561	6.029332	1.23E-06	1.22E-05	5.199711
GMNN	0.9553778	7.556305169	7.480464	2.30E-08	4.58E-07	9.150012
STX8	0.9543931	8.493511695	6.863272	1.22E-07	1.79E-06	7.493531
FGFBP1	0.9540484	11.95919737	5.078179	1.82E-05	0.0001216	2.544793
MRPS21	0.9538249	9.607143243	8.672308	1.04E-09	4.03E-08	12.21998
CHMP2B	0.9526589	9.099924165	4.626929	6.53E-05	0.0003693	1.291548
ABCE1	0.9496407	8.861061397	4.860471	3.38E-05	0.0002075	1.938524
NUP107	0.9487952	8.804351873	8.173103	3.72E-09	1.05E-07	10.95627
RPL5	0.9483519	12.6878058	9.243788	2.51E-10	1.34E-08	13.62552
SMARCE1	0.9482697	9.082773053	6.306598	5.68E-07	6.35E-06	5.968037
MTERF3	0.9474001	8.630362253	6.766315	1.59E-07	2.24E-06	7.229761
EPRS	0.9471771	10.55220411	4.570471	7.66E-05	0.0004253	1.135855
SSB	0.9468386	7.137006972	7.708407	1.25E-08	2.81E-07	9.750955
CCDC112	0.9466137	7.050920798	6.500024	3.32E-07	4.06E-06	6.500984
LSM5	0.9464106	8.735466297	9.827791	6.16E-11	4.84E-09	15.01571
IFIH1	0.9454813	7.825407948	4.631193	6.45E-05	0.0003653	1.303317
NUPR1	0.9446869	10.26423032	8.181625	3.64E-09	1.04E-07	10.97812
RIDA	0.9430571	7.12815934	8.655625	1.08E-09	4.19E-08	12.17828
PCNP	0.9430146	11.10984946	5.733383	2.84E-06	2.48E-05	4.375337
TRAPPC2B	0.9422959	7.991461493	7.595103	1.69E-08	3.58E-07	9.453016
LIMA1	0.9418874	9.382818047	6.312536	5.59E-07	6.26E-06	5.984438
HIST1H2BJ	0.9418391	8.60312225	7.189439	5.02E-08	8.61E-07	8.374029
PAWR	0.9417199	8.122186617	4.861987	3.36E-05	0.0002068	1.942738
MRPL58	0.9398655	9.076652387	6.814568	1.39E-07	2.00E-06	7.361144

ATP6V1G1	0.9398262	11.52632737	11.45154	1.56E-12	4.27E-10	18.63795
CARD18	0.9386608	6.879763259	4.703739	5.26E-05	0.000305	1.503845
PRELID3B	0.9365093	8.388259628	8.210013	3.38E-09	9.91E-08	11.05083
CD69	0.9359772	6.738805226	5.906811	1.74E-06	1.63E-05	4.858861
PSME2	0.9358644	9.932921071	7.44491	2.53E-08	4.94E-07	9.055725
CALD1	0.9349344	7.457171803	8.479099	1.70E-09	5.93E-08	11.7348
CUL5	0.934503	8.781764186	5.699905	3.12E-06	2.68E-05	4.281886
TTC1	0.9324842	9.215547293	7.882351	7.93E-09	1.95E-07	10.2053
REV1	0.9324305	8.095183972	5.753652	2.68E-06	2.36E-05	4.4319
PSMA5	0.9312545	10.97509457	8.591574	1.27E-09	4.77E-08	12.01785
SRGN	0.9304692	7.217488649	5.877776	1.89E-06	1.75E-05	4.777988
TARS	0.9300047	8.362684509	5.762805	2.62E-06	2.31E-05	4.457439
RNF20	0.9287354	8.99124126	8.746264	8.63E-10	3.47E-08	12.40437
N4BP2L2	0.9279468	8.143116792	5.728214	2.88E-06	2.51E-05	4.360911
RFESD	0.9271431	7.653433585	11.12846	3.15E-12	6.72E-10	17.94516
PPA1	0.9268295	12.12914262	6.403926	4.33E-07	5.07E-06	6.236553
SOD1	0.9262472	12.15357388	7.766385	1.08E-08	2.50E-07	9.902808
EFEMP1	0.9258475	9.589629219	4.734764	4.82E-05	0.0002831	1.589743
MRPS33	0.9256079	8.521011141	7.390139	2.92E-08	5.55E-07	8.910195
EIF3J	0.9250003	8.207584516	5.251747	1.11E-05	8.00E-05	3.029441
MELK	0.9242338	7.425317908	6.248719	6.68E-07	7.27E-06	5.808043
REEP5	0.924017	11.19454485	3.869701	0.0005389	0.0023186	-0.75989
PON2	0.9236088	10.17508367	7.777432	1.04E-08	2.43E-07	9.931696
CDKN2AIP	0.9226076	8.05104663	5.425985	6.79E-06	5.22E-05	3.516471
STAT1	0.9221446	9.506596613	6.372667	4.73E-07	5.43E-06	6.150389
VRK1	0.9217157	7.183129213	9.734404	7.69E-11	5.61E-09	14.79655
FNTA	0.9216533	9.747677183	6.016435	1.28E-06	1.26E-05	5.163866
HMMR	0.9212059	6.623660432	9.58887	1.09E-10	7.34E-09	14.45263
PSMA2	0.9209453	8.814311593	7.305009	3.68E-08	6.69E-07	8.68332
ING2	0.9208189	8.491840393	6.644051	2.23E-07	2.95E-06	6.895912
EIF4G3	0.9198735	8.791878339	4.534632	8.47E-05	0.0004653	1.037193
CAPZA2	0.9195655	11.13418815	7.338017	3.36E-08	6.20E-07	8.771382
LACTB2	0.918875	8.58092499	5.473434	5.93E-06	4.64E-05	3.649118
UQCRH	0.9178912	9.829940779	5.511561	5.32E-06	4.21E-05	3.755695
CENPF	0.9153681	7.057033471	6.985968	8.72E-08	1.36E-06	7.826025
RSRC2	0.9150961	7.733894717	7.815429	9.45E-09	2.25E-07	10.03094
RPL13AP6	0.9141749	12.78434082	7.283927	3.89E-08	7.00E-07	8.627009
SUCLG1	0.9139148	10.12397148	10.52244	1.23E-11	1.67E-09	16.60858
SEC11C	0.9133527	8.706807627	7.25977	4.15E-08	7.36E-07	8.562425
ACP1	0.9110946	9.433295115	6.502644	3.29E-07	4.04E-06	6.508185
NMU	0.9110398	10.74509517	7.092228	6.53E-08	1.07E-06	8.112753
UIMC1	0.9108122	9.925508486	6.911718	1.07E-07	1.60E-06	7.624992
DDIT3	0.9106387	8.051368044	3.505991	0.0014401	0.0054805	-1.70408
MRPS9	0.9101949	9.506329293	6.716778	1.82E-07	2.51E-06	7.094658
STAG1	0.9097861	8.109680293	6.23704	6.90E-07	7.46E-06	5.775733
THUMPD2	0.9095138	7.699831784	8.760276	8.33E-10	3.37E-08	12.43922
GBP2	0.9093829	11.1373781	4.676975	5.67E-05	0.0003266	1.42981
TBK1	0.9087924	8.77225792	5.897496	1.79E-06	1.67E-05	4.832919
TMEM14C	0.9086919	11.45086137	9.042757	4.12E-10	1.95E-08	13.13616
STAMBPL1	0.9080521	7.826742119	7.444928	2.53E-08	4.94E-07	9.055774
FGGY	0.9074662	9.883164625	5.704185	3.09E-06	2.65E-05	4.293836
SBDSP1	0.9071267	7.54509976	5.570341	4.51E-06	3.66E-05	3.919977
NARS	0.9066001	10.2835818	6.225993	7.12E-07	7.63E-06	5.745163
SPDL1	0.906411	6.884871121	8.856224	6.55E-10	2.81E-08	12.67716
ATP6V1D	0.9055836	11.01572159	7.485589	2.27E-08	4.54E-07	9.163591
OSTC	0.9043519	9.065083707	6.164416	8.46E-07	8.82E-06	5.574619
NDUFV2	0.9040629	11.18653569	9.480324	1.42E-10	8.86E-09	14.19422
ENOPH1	0.9038763	10.0083653	6.370827	4.75E-07	5.45E-06	6.145313
NUP88	0.9036704	9.9035744	5.94257	1.58E-06	1.50E-05	4.958414

GOLIM4	0.9033892	7.233874139	7.448682	2.50E-08	4.90E-07	9.065735
TFAM	0.9032357	8.666439756	6.040376	1.20E-06	1.19E-05	5.230401
BUD31	0.903161	10.68253675	10.52022	1.23E-11	1.67E-09	16.60357
PLS3	0.9024131	10.79909928	4.934125	2.74E-05	0.0001736	2.143365
EHBP1	0.9018124	8.781341727	6.654864	2.16E-07	2.88E-06	6.925491
CKAP2L	0.8994211	7.104514364	7.028679	7.76E-08	1.23E-06	7.941415
ELL2	0.8972339	8.20367336	4.352197	0.0001415	0.0007301	0.537291
GTF3A	0.8966751	10.93283322	7.886138	7.85E-09	1.94E-07	10.21515
FUNDC1	0.8959088	8.12057418	8.587755	1.29E-09	4.80E-08	12.00827
RBX1	0.8957311	10.97852188	5.040726	2.02E-05	0.0001333	2.440337
CMAHP	0.8946406	7.481294042	4.343566	0.0001449	0.0007464	0.513748
COMMD2	0.8942242	8.610238822	8.249375	3.05E-09	9.23E-08	11.15147
C5	0.893867	7.938933607	6.868138	1.20E-07	1.77E-06	7.506746
PARK7	0.8938071	10.99289681	7.537451	1.97E-08	4.05E-07	9.300828
FLG	0.8923902	10.40336493	2.372517	0.0242086	0.0632349	-4.3374
RABEP1	0.8910756	8.264245947	6.051506	1.16E-06	1.16E-05	5.26132
EIF3H	0.8903976	11.41476284	7.718719	1.22E-08	2.75E-07	9.777994
UBLCP1	0.8901603	8.324889035	5.74864	2.72E-06	2.39E-05	4.417913
TBC1D15	0.8899699	8.96625558	4.72957	4.89E-05	0.0002867	1.575356
COA5	0.8892101	8.534192852	7.793319	1.00E-08	2.36E-07	9.973212
C2orf49	0.8882037	7.381658171	9.139143	3.25E-10	1.63E-08	13.37148
HMGN1	0.887287	11.3378451	6.816851	1.39E-07	1.99E-06	7.367354
ZRANB2	0.8847494	8.435931808	6.948563	9.66E-08	1.48E-06	7.724819
GSKIP	0.884537	8.726308925	7.577952	1.77E-08	3.73E-07	9.407781
NDUFB5	0.8841669	11.65694329	8.229009	3.22E-09	9.58E-08	11.09942
MRPL18	0.8841108	10.11276845	10.3247	1.93E-11	2.15E-09	16.16181
MRPS18C	0.883966	8.200604698	9.46878	1.46E-10	9.05E-09	14.16665
PRDX3	0.8829475	9.020952391	6.04013	1.20E-06	1.19E-05	5.229716
PPIG	0.8826413	6.528451879	6.867621	1.21E-07	1.77E-06	7.505343
ORC3	0.882453	7.819170303	6.595788	2.55E-07	3.29E-06	6.763767
ZNF195	0.8818153	7.270973826	7.717665	1.22E-08	2.76E-07	9.77523
S100P	0.8815003	9.109512165	3.796963	0.0006573	0.0027489	-0.95142
SMARCD1	0.881341	8.012083721	7.097953	6.43E-08	1.06E-06	8.128167
PSMD6	0.8805769	10.44106973	7.687401	1.32E-08	2.94E-07	9.695836
NUP37	0.8802641	10.14533304	9.137253	3.27E-10	1.63E-08	13.36688
DSG1	0.8800856	11.57878848	3.111667	0.0040356	0.0135885	-2.68214
TRA2B	0.8794818	10.03039953	6.415377	4.20E-07	4.93E-06	6.268099
PLK4	0.8790564	7.489845987	6.756394	1.64E-07	2.29E-06	7.202722
TAF12	0.8789773	8.563159422	7.914813	7.28E-09	1.82E-07	10.28968
SMC3	0.8781102	7.442236846	6.661238	2.13E-07	2.85E-06	6.942921
RABGGTB	0.8754197	9.028903321	8.461241	1.77E-09	6.13E-08	11.6897
DDX60	0.8751916	7.310799225	3.724354	0.0008007	0.003258	-1.14134
PRIM1	0.8743465	7.571615502	9.30612	2.16E-10	1.20E-08	13.77613
ZNF25	0.8726906	7.629407018	5.585531	4.32E-06	3.53E-05	3.962423
PTPN4	0.8723706	7.775827597	5.410456	7.09E-06	5.43E-05	3.473056
CCNB2	0.8722566	8.472842123	5.776898	2.51E-06	2.23E-05	4.496757
PGM2	0.8720389	9.00795072	4.618299	6.69E-05	0.0003773	1.267727
SCGB2A1	0.8702429	7.667592317	3.534639	0.0013342	0.0051246	-1.63102
ARHGAP21	0.8698168	8.811457502	7.705231	1.26E-08	2.83E-07	9.742624
C3orf14	0.8696204	8.005243472	9.268363	2.37E-10	1.29E-08	13.68497
RP9	0.8686025	8.942449887	8.312319	2.60E-09	8.23E-08	11.31199
TNFRSF21	0.867898	8.067923037	2.578933	0.0150035	0.0419514	-3.90289
HELQ	0.8677845	7.163732223	7.838826	8.89E-09	2.15E-07	10.09196
SERF1B	0.8675003	7.674132896	9.550351	1.20E-10	7.86E-09	14.36111
COMMD1	0.8642376	10.80424382	6.944732	9.76E-08	1.49E-06	7.714447
DOCK10	0.86367	7.390632696	8.740034	8.77E-10	3.51E-08	12.38886
STRN3	0.8629034	8.616145099	4.073784	0.0003072	0.0014201	-0.21639
GIN1	0.8625438	6.894938895	8.353014	2.34E-09	7.59E-08	11.4155
NAMPT	0.8621469	7.683440835	2.897351	0.0069292	0.0217013	-3.18888

CCT6P1	0.8621448	8.932715457	6.150479	8.79E-07	9.09E-06	5.535986
NIT2	0.862006	9.57208545	8.333373	2.46E-09	7.91E-08	11.36557
RPS27L	0.8619157	8.816192648	10.15768	2.84E-11	2.80E-09	15.78033
TGDS	0.8609453	7.704706459	9.91259	5.04E-11	4.17E-09	15.21368
TPRKB	0.8604336	7.189980141	11.27131	2.30E-12	5.14E-10	18.25315
WDR12	0.8603368	8.509781203	9.674581	8.87E-11	6.31E-09	14.65553
RPS21	0.8597458	9.9755681	3.693276	0.000871	0.0035073	-1.22222
TCEAL8	0.8588888	9.109750627	7.442357	2.54E-08	4.96E-07	9.048949
EIF5B	0.8577901	7.752213565	7.269275	4.05E-08	7.22E-07	8.587844
SLC16A9	0.8576828	6.761130818	3.136722	0.0037848	0.012842	-2.62166
MRPS28	0.8565325	8.587295731	6.991823	8.58E-08	1.34E-06	7.841854
ZFR	0.8564559	8.374865178	5.148899	1.49E-05	0.0001023	2.742162
PRPF18	0.8564118	7.308391493	7.047858	7.37E-08	1.18E-06	7.993168
CD52	0.8556585	8.59644954	3.288105	0.0025583	0.0090888	-2.25122
SLC39A6	0.8552506	7.933664654	4.862057	3.36E-05	0.0002068	1.942932
NUPL2	0.8527635	8.293761227	8.41717	1.99E-09	6.69E-08	11.57823
ZZZ3	0.8525986	8.752318576	6.197131	7.72E-07	8.16E-06	5.665256
HNRNPA2B1	0.8521838	9.367115487	4.180056	0.0002288	0.0011042	0.069796
FAM96A	0.8516445	8.681209138	7.452084	2.48E-08	4.88E-07	9.074764
HINT1	0.8513007	13.17744343	8.052138	5.09E-09	1.34E-07	10.64514
SLC35A3	0.8506897	8.288647092	4.917964	2.87E-05	0.0001804	2.098392
SBDS	0.85052	7.837942615	3.909149	0.0004837	0.0021135	-0.65552
LOC100505664	0.8502741	8.261983515	3.909663	0.000483	0.0021123	-0.65415
SNX4	0.8493764	7.975765906	8.025843	5.45E-09	1.43E-07	10.57727
MATN2	0.8490727	8.192245148	5.358059	8.23E-06	6.16E-05	3.326579
CCNC	0.8483659	7.854637755	6.569057	2.74E-07	3.51E-06	6.690492
NUDT2	0.8482217	9.036087293	4.51605	8.93E-05	0.0004872	0.986094
ZNF480	0.8474241	7.208367446	8.522394	1.52E-09	5.43E-08	11.84395
UTP6	0.8454704	8.957824899	6.921987	1.04E-07	1.57E-06	7.65283
HIKESHI	0.8439943	8.417627346	5.442487	6.48E-06	5.01E-05	3.562604
TCEAL4	0.8439052	8.791278974	8.233586	3.18E-09	9.51E-08	11.11113
GON7	0.8424501	7.574850478	7.759488	1.10E-08	2.53E-07	9.884764
USP8	0.8422404	7.422329599	7.130906	5.88E-08	9.81E-07	8.216829
CLK4	0.8408559	7.106058941	5.762108	2.62E-06	2.31E-05	4.455494
DNAJC24	0.8407323	7.660717132	4.360105	0.0001384	0.0007166	0.558873
TIMM9	0.8405984	8.432627296	9.562702	1.16E-10	7.71E-09	14.39048
SYF2	0.8403279	8.629800383	8.106566	4.42E-09	1.20E-07	10.78537
CLEC2A	0.8399665	8.913310437	4.504244	9.23E-05	0.0005012	0.953647
RIOK3	0.8397496	9.771025707	4.208592	0.0002113	0.0010321	0.146975
ATP5L	0.8394592	10.7492478	8.831787	6.97E-10	2.92E-08	12.61668
ALG13	0.8381468	7.2910327	10.3653	1.76E-11	2.08E-09	16.25398
IFITM1	0.8369828	8.873433492	3.280597	0.0026088	0.0092481	-2.26979
KLF9	0.8362493	10.1450831	2.139129	0.040598	0.0985617	-4.79829
C12orf56	0.8361492	7.207796729	7.243998	4.33E-08	7.64E-07	8.520222
C1orf52	0.8345534	8.878518529	7.309717	3.63E-08	6.63E-07	8.695888
ARV1	0.8343056	9.435657056	8.130554	4.15E-09	1.14E-07	10.84705
DDX18	0.8335793	10.39033758	4.509354	9.10E-05	0.0004948	0.967691
BRD7	0.8327233	8.974182558	5.7476	2.73E-06	2.40E-05	4.415014
BOLA2	0.8326843	9.237941513	4.545252	8.22E-05	0.0004532	1.066416
GGNBP2	0.8326006	10.18644804	4.143962	0.0002529	0.0012005	-0.02763
BTG3	0.8323647	9.494919876	4.758965	4.50E-05	0.0002666	1.656799
CUL2	0.8317326	9.20116063	4.545282	8.22E-05	0.0004532	1.066499
PHF3	0.8314625	7.876354765	6.531244	3.04E-07	3.80E-06	6.586737
LY96	0.8312833	7.35645468	4.328254	0.0001513	0.0007743	0.472003
SLC35A1	0.8306504	10.00138734	5.737455	2.81E-06	2.45E-05	4.386702
CCDC66	0.8300235	6.601246306	8.247005	3.07E-09	9.27E-08	11.14542
IBTK	0.8293438	7.945898076	5.3379	8.71E-06	6.48E-05	3.270225
COMMD6	0.8283334	8.765484341	11.94439	5.43E-13	2.24E-10	19.66893
CCNH	0.8275582	7.415910264	10.36892	1.74E-11	2.08E-09	16.26219

TSEN15	0.8275171	9.069540578	4.934699	2.73E-05	0.0001734	2.144962
PPIL1	0.8266246	8.258016592	6.115545	9.70E-07	9.90E-06	5.439103
SLTM	0.8265933	7.577946788	6.442947	3.89E-07	4.62E-06	6.344012
BCCIP	0.8245542	8.018885414	8.189378	3.57E-09	1.02E-07	10.99799
NDUFAB1	0.8237932	11.00403336	5.097985	1.72E-05	0.0001156	2.600052
GPBP1	0.8227689	7.944317833	4.146514	0.0002511	0.0011931	-0.02075
ZNF721	0.8226744	8.468072831	3.955006	0.0004264	0.0018917	-0.53376
PSMC6	0.8219475	8.060832303	7.557183	1.87E-08	3.90E-07	9.352961
MPHOSPH6	0.8199519	7.206662967	6.488199	3.43E-07	4.16E-06	6.468484
PHIP	0.8182915	7.963753816	4.044444	0.0003332	0.0015246	-0.29504
XAF1	0.816981	6.835246741	6.271513	6.27E-07	6.87E-06	5.871079
CCDC15	0.8168516	7.277882015	5.861162	1.98E-06	1.82E-05	4.731697
CCDC25	0.8162598	8.669548568	6.409165	4.27E-07	5.00E-06	6.250988
ZFAND1	0.8160309	8.475851401	8.828046	7.03E-10	2.94E-08	12.60741
AZI2	0.8152829	7.602461983	6.036315	1.21E-06	1.20E-05	5.219116
KIF11	0.8143693	7.222740647	7.57085	1.80E-08	3.78E-07	9.389042
SAMD9	0.8137326	7.056979012	7.167576	5.33E-08	9.02E-07	8.315356
WNT5A	0.8137056	7.069817296	5.88305	1.86E-06	1.73E-05	4.792681
RPL39	0.8133227	14.08542505	6.488837	3.42E-07	4.16E-06	6.470238
WDR61	0.8128672	10.75916966	7.279656	3.94E-08	7.07E-07	8.615594
CEP135	0.812761	7.200888548	6.640469	2.25E-07	2.98E-06	6.886111
PPP4R3B	0.812557	9.152404176	4.719755	5.03E-05	0.0002935	1.548178
CCL2	0.8125169	9.172182777	2.525273	0.0170211	0.0467574	-4.01813
UBE2V2	0.8121478	7.457647498	8.931169	5.44E-10	2.41E-08	12.86215
FH	0.8116046	10.09838323	6.300779	5.78E-07	6.44E-06	5.951963
CENPK	0.8106631	6.58137473	8.091868	4.59E-09	1.24E-07	10.74754
HSD17B12	0.8104005	10.44602135	4.767535	4.39E-05	0.000261	1.680558
NCKAP1	0.8094886	8.017141717	3.528079	0.0013577	0.0052038	-1.64777
RPF1	0.8087184	8.188216672	7.711836	1.24E-08	2.79E-07	9.759948
LSM7	0.80793	10.30149667	5.802857	2.34E-06	2.10E-05	4.569161
SREK1	0.8079298	6.840680099	7.921108	7.16E-09	1.80E-07	10.30602
MEMO1	0.8065271	8.732728853	8.274048	2.87E-09	8.84E-08	11.21446
CGRRF1	0.8047869	7.190144491	6.918951	1.05E-07	1.58E-06	7.644601
PSPC1	0.8042841	7.078706316	7.34784	3.28E-08	6.07E-07	8.797568
DAAM1	0.8031332	9.568074759	3.547485	0.0012891	0.0049713	-1.59818
KIF15	0.8023899	6.634240815	7.52075	2.06E-08	4.20E-07	9.256669
WRN	0.8018251	8.200945469	3.799436	0.0006529	0.0027375	-0.94493
ROMO1	0.8016709	12.27814214	4.885363	3.15E-05	0.0001956	2.007716
RARS	0.8011258	10.89005551	7.064522	7.04E-08	1.14E-06	8.038105
COX14	0.8008856	8.384831016	4.964827	2.51E-05	0.000161	2.228839
RWDD4	0.8003164	9.340578714	6.487879	3.43E-07	4.17E-06	6.467604
PSMC1	0.8000964	12.46195416	6.389464	4.51E-07	5.25E-06	6.196698
LAP3	0.79953	8.938880181	7.08047	6.74E-08	1.10E-06	8.081083
MMADHC	0.7992748	11.33992067	7.988646	6.00E-09	1.55E-07	10.48109
MED4	0.7983351	8.955989041	4.869468	3.29E-05	0.000203	1.963529
CALM2	0.7983259	12.2987461	7.839662	8.87E-09	2.15E-07	10.09414
AADA2L2	0.7976834	10.83287283	3.705306	0.0008431	0.0034084	-1.19094
IFIT1	0.7952518	6.740138667	10.00172	4.09E-11	3.59E-09	15.4207
TIMM8B	0.7950043	7.45909286	4.876551	3.22E-05	0.0001997	1.983218
DLGAP5	0.7937147	6.79511138	8.96078	5.05E-10	2.29E-08	12.93503
RAD51C	0.7932066	7.248499131	12.09868	3.93E-13	2.05E-10	19.98539
FAM206A	0.7923162	8.490250697	5.774975	2.53E-06	2.24E-05	4.491391
CDC16	0.7922445	10.19738364	6.939667	9.90E-08	1.51E-06	7.700728
DYRK4	0.7905017	9.102479444	6.994959	8.51E-08	1.34E-06	7.85033
ANAPC4	0.7887159	9.348955522	5.151234	1.48E-05	0.0001018	2.748684
PRPF38B	0.7880443	6.606975874	8.242203	3.11E-09	9.37E-08	11.13315
PPP2R3C	0.788044	7.398912902	7.188415	5.03E-08	8.62E-07	8.371283
KIDINS220	0.7874199	8.788094653	3.316692	0.0023741	0.0085063	-2.18034
SAT1	0.7847185	11.68007706	4.284808	0.0001708	0.0008605	0.353745

REXO2	0.7839136	11.37578951	6.75311	1.65E-07	2.31E-06	7.193768
EMC4	0.7832091	11.14189823	7.714044	1.23E-08	2.78E-07	9.765735
HSCB	0.7829499	8.4228884	6.186222	7.95E-07	8.39E-06	5.63504
FKBP3	0.7828401	7.313979872	6.464686	3.66E-07	4.41E-06	6.403829
ZC3H15	0.7810856	7.100143144	7.594696	1.69E-08	3.58E-07	9.451944
GPR183	0.7809774	7.452384348	2.764551	0.0096089	0.0285984	-3.49269
EFCAB1	0.780491	7.32833069	4.873418	3.25E-05	0.0002011	1.974509
PALLD	0.7803067	10.50159491	3.701917	0.0008509	0.0034369	-1.19976
ERGIC2	0.7800178	6.96393076	5.650066	3.60E-06	3.03E-05	4.142714
CDC26	0.7789383	10.28549915	8.607178	1.23E-09	4.60E-08	12.05698
SERPINB8	0.7787051	9.563977366	3.732086	0.0007841	0.0031991	-1.12118
ASF1A	0.7784734	8.642999952	4.991903	2.33E-05	0.0001507	2.304259
EEA1	0.7773047	6.591044779	5.179217	1.37E-05	9.52E-05	2.826823
NEDD8	0.7767541	11.85452268	8.574219	1.33E-09	4.90E-08	11.97429
TMBIM4	0.7765239	11.79612294	8.464182	1.76E-09	6.11E-08	11.69713
C8orf76	0.7752899	9.366932858	7.638401	1.51E-08	3.28E-07	9.567053
SH3GLB1	0.7747835	9.994227604	7.186087	5.07E-08	8.65E-07	8.365036
TMEM243	0.7738472	8.831574689	7.399908	2.85E-08	5.43E-07	8.936175
PSMD10	0.7728741	8.295647985	8.17983	3.65E-09	1.04E-07	10.97352
VPS45	0.7724035	9.08581628	7.426147	2.66E-08	5.13E-07	9.005909
APITD1-CORT	0.7697359	7.483397458	6.182162	8.05E-07	8.47E-06	5.623793
RMDN1	0.7693156	7.660741508	10.01965	3.92E-11	3.51E-09	15.46221
FAM214A	0.7682661	7.468719544	4.158214	0.0002431	0.0011615	0.010814
LIN9	0.767546	6.805512679	6.103975	1.00E-06	1.02E-05	5.406999
AKR1C3	0.7665134	9.234679847	3.316242	0.0023769	0.0085148	-2.18145
PIBF1	0.7661292	6.729492946	8.213294	3.35E-09	9.86E-08	11.05923
NMI	0.7660876	7.99814898	5.971131	1.45E-06	1.40E-05	5.037887
METTL25	0.7657772	8.730161718	8.727705	9.04E-10	3.58E-08	12.35817
TIA1	0.7657732	7.434273842	7.965541	6.38E-09	1.62E-07	10.42127
ELL3	0.765742	9.563558223	6.550144	2.89E-07	3.67E-06	6.638611
SHTN1	0.7630497	9.814860947	4.748359	4.64E-05	0.0002736	1.627407
ITPR2	0.7627911	7.91253227	3.806386	0.0006406	0.0026967	-0.92668
ZUFSP	0.7623317	7.750487762	5.735462	2.83E-06	2.47E-05	4.38114
CEP55	0.7621488	7.193974873	8.440249	1.87E-09	6.40E-08	11.63664
PARPBP	0.7620176	6.824338502	8.093817	4.57E-09	1.24E-07	10.75256
C14orf166	0.7611686	9.739178866	4.876724	3.22E-05	0.0001997	1.983699
ALDH7A1	0.7606912	10.20047385	8.228154	3.23E-09	9.59E-08	11.09724
CKAP2	0.7602912	7.497286582	7.267417	4.07E-08	7.24E-07	8.582875
HAT1	0.7602642	7.224384698	7.501973	2.17E-08	4.38E-07	9.206981
CDC40	0.7595222	9.283545426	4.763383	4.44E-05	0.0002639	1.669045
CDC123	0.7592332	9.771666854	7.682095	1.34E-08	2.98E-07	9.681903
ACAD11	0.7589698	8.265316679	3.712438	0.000827	0.0033509	-1.17238
ACAT1	0.7587068	10.82795896	6.837131	1.31E-07	1.90E-06	7.422502
RGCC	0.7577753	10.13073507	3.716311	0.0008183	0.0033207	-1.1623
NDUFAF6	0.7572096	7.780323211	8.960631	5.05E-10	2.29E-08	12.93466
UBL5	0.7571734	8.979566387	5.674807	3.35E-06	2.84E-05	4.21181
COA6	0.7566382	7.246994031	6.781999	1.52E-07	2.15E-06	7.272489
SNCAIP	0.7559832	8.093840539	3.80496	0.0006431	0.002706	-0.93042
NAB1	0.7556382	9.910775581	4.22861	0.0001998	0.0009859	0.201193
ZCRB1	0.7554427	7.330952657	7.382801	2.98E-08	5.64E-07	8.89067
MAFA	0.7553263	6.953624218	6.915917	1.06E-07	1.59E-06	7.636376
C12orf4	0.7553062	7.393044177	5.423434	6.84E-06	5.25E-05	3.509339
LIMCH1	0.7551501	8.63942347	4.871219	3.27E-05	0.0002021	1.968397
TAF1B	0.7547472	7.287437336	5.913983	1.71E-06	1.60E-05	4.878833
CLPX	0.7543184	8.908975179	3.743005	0.0007612	0.0031162	-1.09268
GOLGA8B	0.7540825	7.239949885	4.351845	0.0001416	0.0007306	0.536331
PDCL3	0.7530967	9.977154201	7.973833	6.24E-09	1.59E-07	10.44274
KCTD3	0.7517211	8.675459943	4.292247	0.0001673	0.0008446	0.373973
RAB9A	0.7511898	10.60235405	6.169172	8.34E-07	8.74E-06	5.5878

TDG	0.7505796	9.62080918	6.534021	3.02E-07	3.79E-06	6.59436
RPL6	0.7502968	11.36733523	8.557532	1.39E-09	5.09E-08	11.93236
DPY19L1	0.7499331	7.500424929	4.942263	2.68E-05	0.0001703	2.166015
MYO5A	0.7481835	7.547645533	5.821452	2.22E-06	2.01E-05	4.621012
TNNC2	0.7477276	7.910897769	5.946223	1.56E-06	1.48E-05	4.96858
MTIF2	0.7476932	7.277396495	7.624154	1.57E-08	3.37E-07	9.529553
IDE	0.7471363	9.212632507	2.58576	0.0147633	0.0413632	-3.88812
KITLG	0.7470979	6.445042271	7.241203	4.37E-08	7.69E-07	8.51274
RBM18	0.7470675	7.311762958	8.843504	6.76E-10	2.87E-08	12.64569
WDR70	0.7467132	9.277349654	7.16562	5.35E-08	9.06E-07	8.310103
GEMIN2	0.7425329	7.942376696	7.700431	1.28E-08	2.86E-07	9.730031
EEF1E1	0.742267	7.290463025	10.35328	1.81E-11	2.09E-09	16.22672
MRPL40	0.7418338	9.425586209	4.840159	3.57E-05	0.0002185	1.882092
COPB1	0.7417618	9.805039961	4.659385	5.96E-05	0.0003405	1.38119
KPNB1	0.7413088	10.54480245	3.608133	0.0010957	0.0043024	-1.4425
7-Mar	0.7411745	10.91818454	3.261775	0.0027399	0.0096511	-2.31626
CLINT1	0.7405159	10.20840323	3.558102	0.001253	0.0048495	-1.57101
TM2D1	0.7399999	8.518507403	7.428823	2.64E-08	5.10E-07	9.013016
DHX15	0.7392495	10.6232779	3.758822	0.0007292	0.0030055	-1.05135
LINC00493	0.7389759	9.996544196	5.384455	7.63E-06	5.77E-05	3.400369
MRPL46	0.7385164	9.364711998	8.08324	4.69E-09	1.26E-07	10.72532
SPRED1	0.7383396	9.489919057	5.140575	1.53E-05	0.0001044	2.718924
CPSF3	0.7383077	9.620031867	6.987836	8.68E-08	1.36E-06	7.831077
MTDH	0.7379371	8.434148842	4.061857	0.0003175	0.0014588	-0.24839
C16orf87	0.737869	7.645873671	4.665407	5.86E-05	0.0003359	1.397831
RPL27	0.7376905	14.45383086	9.748348	7.44E-11	5.47E-09	14.82935
ATL2	0.737621	8.972037088	3.329246	0.0022974	0.0082756	-2.14912
ABCB10	0.7375942	7.736424416	4.718424	5.05E-05	0.0002945	1.544494
DCTN6	0.7370487	7.691108868	8.953956	5.14E-10	2.31E-08	12.91824
POC5	0.7368274	7.871968614	8.172316	3.73E-09	1.05E-07	10.95425
MRPL35	0.7365086	8.414543922	8.378874	2.19E-09	7.24E-08	11.48116
ACTL6A	0.7360352	9.451661151	8.084179	4.68E-09	1.26E-07	10.72774
TOMM7	0.7355614	13.69566318	8.291	2.74E-09	8.56E-08	11.25769
CCDC77	0.7350903	7.918875815	6.819536	1.37E-07	1.98E-06	7.374657
AKR1B15	0.7347353	6.615339107	5.893046	1.81E-06	1.69E-05	4.820526
PDHX	0.7346232	8.432561564	4.410322	0.0001202	0.0006345	0.696112
ANKRD26	0.7341311	6.461756708	8.451119	1.82E-09	6.26E-08	11.66412
CNTRL	0.7332769	6.561634267	5.970531	1.46E-06	1.40E-05	5.036217
TBC1D31	0.7332285	6.98345859	7.320864	3.52E-08	6.46E-07	8.725633
DDX59	0.7322433	7.236879741	6.520971	3.13E-07	3.89E-06	6.558528
PAPD4	0.7321541	9.04698759	4.802336	3.98E-05	0.0002399	1.777086
KATNA1	0.731899	9.1219236	7.798988	9.87E-09	2.34E-07	9.988019
SLC25A46	0.7311173	8.974128393	5.283247	1.02E-05	7.40E-05	3.117468
RANBP1	0.7303438	9.181203279	6.72398	1.79E-07	2.47E-06	7.114313
TRMT10C	0.729019	7.250266248	4.873219	3.26E-05	0.0002011	1.973954
ATG3	0.7286361	8.229530156	8.833492	6.94E-10	2.92E-08	12.6209
NCL	0.7282328	9.703991193	5.274157	1.04E-05	7.58E-05	3.092063
ESD	0.7281811	9.435745205	6.712095	1.85E-07	2.53E-06	7.081874
IFT43	0.7281007	8.685333417	7.486894	2.26E-08	4.53E-07	9.167048
C14orf2	0.7272716	8.927985682	4.482791	9.81E-05	0.0005285	0.89473
DDX55	0.7271312	8.695320661	5.873015	1.92E-06	1.77E-05	4.764724
SDHB	0.7254108	11.23054824	6.76044	1.62E-07	2.27E-06	7.213749
MAGOH	0.7250947	8.378560475	3.89513	0.0005026	0.0021859	-0.69265
DECR1	0.7250675	10.38232728	7.677041	1.36E-08	3.02E-07	9.668629
ARL14EP	0.7249279	8.202474785	4.153504	0.0002463	0.0011747	-0.00189
SVBP	0.7247052	9.338243215	5.096865	1.73E-05	0.0001159	2.596926
AGGF1	0.7244853	8.135494653	6.05385	1.15E-06	1.15E-05	5.267833
ANKRD37	0.723666	9.4367359	4.036541	0.0003406	0.0015553	-0.3162
MRPS23	0.7230781	8.526177324	6.614742	2.42E-07	3.15E-06	6.815686

S100A2	0.7224161	8.744882128	3.596468	0.0011306	0.0044241	-1.47253
RPS27A	0.7223	13.33077455	8.239791	3.13E-09	9.42E-08	11.12699
PTPN12	0.7221651	8.475663851	3.775858	0.0006962	0.0028841	-1.00676
AP3S1	0.7201809	9.021642731	5.56953	4.52E-06	3.66E-05	3.917712
HDC	0.719923	6.236486723	5.033662	2.07E-05	0.0001357	2.420643
ACTR10	0.7198689	9.84699312	6.939243	9.91E-08	1.51E-06	7.699581
SDHD	0.7198112	9.561667225	5.738014	2.81E-06	2.45E-05	4.388261
CYB5R4	0.719752	7.24380742	6.624779	2.35E-07	3.08E-06	6.843169
EFHC2	0.7192313	7.460886687	6.308	5.66E-07	6.33E-06	5.97191
GSDMC	0.7184534	10.14790161	3.52264	0.0013776	0.0052715	-1.66165
TAF7	0.7175692	8.664032706	3.314845	0.0023856	0.0085412	-2.18492
RPAP2	0.71756	7.812350527	6.829627	1.34E-07	1.94E-06	7.402102
MNAT1	0.7171429	6.577101458	8.310955	2.61E-09	8.24E-08	11.30852
THAP12	0.7146663	10.0839277	4.242919	0.000192	0.0009522	0.23999
ACBD3	0.71458	9.699861956	4.78843	4.14E-05	0.0002482	1.738503
OTUD6B	0.7145066	7.223819895	7.461778	2.41E-08	4.77E-07	9.100477
PRC1	0.713638	9.551003222	4.371563	0.000134	0.0006964	0.590157
BEX2	0.7130014	9.307507334	4.835288	3.62E-05	0.0002212	1.868566
OARD1	0.7127244	9.384819407	6.633557	2.29E-07	3.02E-06	6.867197
CCDC171	0.7126985	6.973421997	6.501112	3.31E-07	4.05E-06	6.503973
NRBF2	0.7118983	8.702678868	4.878683	3.21E-05	0.0001987	1.989145
ASUN	0.7111438	6.802430477	7.780003	1.04E-08	2.42E-07	9.938416
DNAJC25	0.7110408	7.338891315	5.235351	1.17E-05	8.31E-05	2.983626
SS18L2	0.7107908	12.34724796	7.377472	3.03E-08	5.71E-07	8.876488
NUP54	0.7100847	8.032454907	5.768749	2.57E-06	2.28E-05	4.474023
FXR1	0.7099986	8.056940097	6.044545	1.18E-06	1.18E-05	5.241984
C2CD5	0.7098906	8.99387809	4.430177	0.0001137	0.0006034	0.750463
TAF2	0.7094416	7.766261235	3.717723	0.0008152	0.0033094	-1.15862
AP3B1	0.7093504	10.2783676	3.884333	0.0005177	0.0022445	-0.72122
C6orf52	0.7093261	7.028054259	4.562635	7.83E-05	0.0004336	1.114272
BORCS7	0.7086314	8.961338497	6.858293	1.24E-07	1.81E-06	7.480008
NOP56	0.7085609	10.0552048	9.154737	3.13E-10	1.59E-08	13.40943
ALG5	0.7071223	8.823903085	5.065332	1.89E-05	0.0001254	2.508958
PDCD6	0.7055303	11.04176338	8.770695	8.12E-10	3.30E-08	12.46512
CBR4	0.7049766	8.563110442	4.350986	0.0001419	0.000732	0.533988
CMC1	0.7045305	7.541643673	6.620935	2.38E-07	3.11E-06	6.832646
CAST	0.7044209	7.680609138	3.486486	0.0015168	0.0057478	-1.75368
NDUFAF5	0.7041721	7.60509268	11.31408	2.10E-12	4.85E-10	18.34485
JKAMP	0.7033374	8.720821625	6.888911	1.14E-07	1.69E-06	7.563134
HERC5	0.7029426	7.280969324	5.441381	6.50E-06	5.03E-05	3.559513
DNAJC7	0.7028971	9.089252365	6.153839	8.71E-07	9.04E-06	5.545301
CSTF3	0.7024474	8.02941478	8.478261	1.70E-09	5.93E-08	11.73268
CEP192	0.7023991	7.949170128	4.441612	0.0001101	0.0005862	0.781791
PLRG1	0.7015217	9.686708024	6.643146	2.23E-07	2.96E-06	6.893436
OCIAD2	0.7012487	9.804652649	4.736277	4.80E-05	0.000282	1.593933
CYB5A	0.7007736	10.88178961	6.674075	2.05E-07	2.76E-06	6.978016
PMPCB	0.7001959	10.21337229	5.453811	6.27E-06	4.88E-05	3.594262
MAP4K5	0.7001203	7.860798014	4.190384	0.0002223	0.0010783	0.097713
C11orf1	0.6997326	8.09141794	9.991833	4.19E-11	3.63E-09	15.39779
MCTS1	0.6996055	6.89773215	4.480369	9.87E-05	0.0005319	0.888083
FASTKD1	0.6992209	7.186927744	7.600995	1.67E-08	3.55E-07	9.468547
ATAD2	0.6991792	6.771221416	6.539307	2.98E-07	3.75E-06	6.608869
GPATCH4	0.6981934	7.217477759	5.875665	1.90E-06	1.76E-05	4.772108
SNRNP27	0.6980947	9.221878721	6.549444	2.89E-07	3.67E-06	6.63669
MRPS35	0.697675	8.384945779	7.753063	1.11E-08	2.57E-07	9.867952
PUS7	0.6961022	9.005434381	5.050439	1.97E-05	0.0001302	2.467421
TFB1M	0.6960258	8.614920239	7.794563	9.98E-09	2.35E-07	9.976461
GTF2E2	0.6950735	10.66802756	6.461254	3.70E-07	4.44E-06	6.394388
MYRFL	0.6946458	7.37741718	5.569121	4.52E-06	3.67E-05	3.916567

FOXN2	0.6939414	8.607678349	4.299418	0.000164	0.0008319	0.393481
ZNF816	0.6939329	7.892808662	4.331806	0.0001498	0.0007679	0.481684
SRP72	0.6937859	8.688310118	6.071485	1.10E-06	1.10E-05	5.316811
SNRPD2	0.6936796	9.936903946	7.691081	1.31E-08	2.93E-07	9.705494
SERPINB2	0.6933543	9.871094748	2.73491	0.010327	0.0303999	-3.55936
KRR1	0.6928326	6.770781161	5.779353	2.50E-06	2.22E-05	4.503604
POF1B	0.692773	8.171592167	2.517295	0.0173416	0.0474764	-4.03513
MSH6	0.692689	9.603940133	4.570239	7.67E-05	0.0004254	1.135215
CRLS1	0.692118	9.401555173	7.793105	1.00E-08	2.36E-07	9.972655
RALGAPA1	0.6918961	8.503552173	3.84006	0.0005844	0.0024896	-0.83809
SMAD5-AS1	0.6913584	7.834859281	4.038782	0.0003385	0.0015461	-0.31021
ALDH1A1	0.6910654	7.321127809	4.468538	0.0001021	0.0005479	0.855616
AIF1	0.6902751	7.653973366	3.711694	0.0008286	0.0033555	-1.17432
KDELC2	0.6900505	8.504941704	3.887543	0.0005132	0.0022263	-0.71273
INTS8	0.6889551	7.138540958	4.005988	0.0003705	0.0016768	-0.39788
SLC30A9	0.6889193	9.600725176	5.003606	2.25E-05	0.0001463	2.336867
DUS4L	0.6874126	7.876024668	7.379182	3.01E-08	5.68E-07	8.88104
SETMAR	0.6873381	9.042102615	8.071596	4.84E-09	1.29E-07	10.69532
DUSP12	0.6865551	9.179903932	6.699382	1.91E-07	2.60E-06	7.047161
NGLY1	0.6853814	7.942813497	5.693484	3.18E-06	2.72E-05	4.26396
PAPOLA	0.6851988	9.952235453	4.969764	2.48E-05	0.000159	2.24259
PDHB	0.684841	11.13687204	7.099254	6.41E-08	1.06E-06	8.13167
KIF21A	0.6840425	7.439410599	5.627472	3.84E-06	3.20E-05	4.079601
TFB2M	0.6837129	9.200297113	6.147436	8.87E-07	9.16E-06	5.527549
SCFD1	0.6823119	7.705918904	7.200321	4.87E-08	8.42E-07	8.403212
TDRD3	0.6820391	7.052390026	6.116021	9.68E-07	9.90E-06	5.440422
KIAA0907	0.6813648	8.185635305	3.23667	0.0029246	0.0102107	-2.37803
POMP	0.6812295	8.631139266	9.847426	5.88E-11	4.70E-09	15.06164
NFXL1	0.6811655	7.683737883	4.599404	7.06E-05	0.0003955	1.215602
CHD1	0.681047	8.133250035	3.891316	0.0005079	0.0022069	-0.70274
SENP6	0.6801107	6.823291561	6.368306	4.79E-07	5.48E-06	6.13836
SYNCRIP	0.680033	9.188343984	4.397933	0.0001244	0.0006532	0.662222
MRPL39	0.6798499	7.629584816	8.816912	7.23E-10	3.00E-08	12.57982
SH3D19	0.6797772	8.818209289	3.029435	0.0049747	0.016268	-2.87885
DPH3	0.6796928	7.461721794	6.818278	1.38E-07	1.98E-06	7.371237
PDCD10	0.679498	7.117393387	9.748682	7.44E-11	5.47E-09	14.83013
NOL11	0.67897	9.787909948	5.803723	2.33E-06	2.10E-05	4.571574
UTP14A	0.6789542	8.087784307	6.878398	1.17E-07	1.73E-06	7.534602
PIGK	0.6786564	7.297450901	6.220795	7.22E-07	7.73E-06	5.730775
TYMS	0.6784886	8.428148592	3.898205	0.0004984	0.002169	-0.68451
VAMP7	0.6781454	9.651802791	4.663573	5.89E-05	0.0003373	1.392763
PARP4	0.6780446	8.994677932	3.80476	0.0006435	0.0027063	-0.93095
ANXA2R	0.6777394	6.687144949	4.599886	7.05E-05	0.0003952	1.216931
MFSD8	0.6773956	7.99657009	5.067916	1.87E-05	0.0001246	2.516164
TMSB10	0.6772715	12.3731869	5.378876	7.76E-06	5.85E-05	3.384772
MAPKAPK5	0.6770396	8.268004164	8.480809	1.69E-09	5.93E-08	11.73912
AHCTF1	0.6768327	7.221079393	6.107229	9.92E-07	1.01E-05	5.416028
YES1	0.6767545	8.332190546	4.070087	0.0003104	0.0014334	-0.22631
RASSF9	0.6765525	6.932430299	5.554345	4.72E-06	3.80E-05	3.875275
GTPBP4	0.6765238	9.909718346	4.500077	9.34E-05	0.000506	0.942199
MRPL15	0.6764304	9.532620824	4.575223	7.56E-05	0.0004202	1.148947
APOO	0.6757133	7.524106457	6.063562	1.12E-06	1.12E-05	5.294808
ZNF83	0.6751072	6.77160975	5.458877	6.18E-06	4.82E-05	3.608423
PNP	0.6734417	9.417682947	3.705448	0.0008428	0.0034078	-1.19058
COBLL1	0.6733457	10.27014519	3.609729	0.001091	0.0042874	-1.43839
ISCU	0.673268	9.508177196	8.989351	4.71E-10	2.18E-08	13.00523
POLE2	0.6728122	7.560579953	7.289551	3.83E-08	6.92E-07	8.642035
MTX3	0.6727758	7.9291437	4.611701	6.82E-05	0.0003836	1.249521
DPH5	0.6725077	8.905520898	5.128081	1.58E-05	0.0001077	2.684046

RBM6	0.6725069	8.012968023	4.112854	0.0002757	0.0012954	-0.11141
MCCC1	0.6718852	9.218404744	8.54852	1.42E-09	5.19E-08	11.9097
TMEM5	0.6709809	9.935011435	5.333365	8.82E-06	6.56E-05	3.257548
RPAP3	0.670633	6.806604129	7.532027	2.00E-08	4.09E-07	9.28649
NPR3	0.6705171	6.841440787	3.718237	0.0008141	0.0033069	-1.15728
SNX13	0.6704537	6.918392449	4.904235	2.98E-05	0.0001869	2.060199
AHSA2	0.669793	7.05224306	4.308412	0.0001599	0.0008134	0.41796
OGFRL1	0.6695231	7.023910966	5.007379	2.23E-05	0.0001449	2.347382
SLC35B3	0.6694494	8.196778736	6.502127	3.30E-07	4.05E-06	6.506762
FAM3C	0.6694331	7.46339062	3.598875	0.0011233	0.0044018	-1.46634
NDUFAF4	0.6686134	6.684018327	9.15631	3.12E-10	1.59E-08	13.41326
SRP9	0.6683837	9.636331902	5.519033	5.21E-06	4.14E-05	3.776582
SUMO2	0.66819	9.744742764	5.386244	7.60E-06	5.75E-05	3.405369
DTWD1	0.6670364	6.78643107	9.92316	4.92E-11	4.08E-09	15.23829
TGS1	0.6667225	7.251294158	5.715268	2.99E-06	2.59E-05	4.324774
SNRPF	0.6665743	11.32079156	5.065288	1.89E-05	0.0001254	2.508835
CSE1L	0.6665201	10.45580841	5.442712	6.47E-06	5.01E-05	3.563233
CCNA2	0.6656338	7.491197085	5.43664	6.58E-06	5.08E-05	3.546257
PFDN1	0.6656286	9.774042049	7.13244	5.86E-08	9.77E-07	8.220953
RIPK2	0.6638391	8.91697683	3.231178	0.0029665	0.0103431	-2.39152
EPB41L3	0.6637893	7.486540266	5.299399	9.72E-06	7.11E-05	3.162611
ZFP37	0.6624738	6.885241686	5.492001	5.63E-06	4.43E-05	3.70102
C19orf33	0.6623175	12.05231243	3.188555	0.0033123	0.0114023	-2.49579
PCF11	0.6615387	8.315195073	3.586383	0.0011616	0.0045354	-1.49846
CEP162	0.6611908	6.638984552	7.203667	4.83E-08	8.37E-07	8.412185
SH3BGR1	0.6611642	7.750139139	6.866081	1.21E-07	1.78E-06	7.501161
AASDHPPT	0.6610599	7.884933403	4.647569	6.16E-05	0.0003505	1.348543
CBWD5	0.6608177	7.114213738	9.399883	1.72E-10	1.02E-08	14.00168
MRPL27	0.6604458	10.24906895	5.084241	1.79E-05	0.0001197	2.561705
CLCA2	0.6600207	10.99239459	2.762245	0.0096631	0.0287419	-3.49789
ID2	0.6597981	10.41830498	3.941415	0.0004427	0.0019531	-0.56989
HTATIP2	0.6597752	9.754221675	4.739087	4.76E-05	0.0002799	1.601716
PEX1	0.6593333	7.352716189	4.213573	0.0002084	0.0010208	0.16046
TRNT1	0.6592691	7.758179351	4.971529	2.46E-05	0.0001585	2.247504
ADPRM	0.6587163	7.725269507	6.433605	3.99E-07	4.72E-06	6.318295
OXNAD1	0.6585701	6.803845254	6.901564	1.10E-07	1.64E-06	7.597457
DYNLRB2	0.658149	7.824202773	4.456111	0.0001057	0.0005652	0.821534
ZNF143	0.6579313	7.84884994	4.278574	0.0001738	0.000874	0.336799
CFDP1	0.6576607	7.545261432	8.077986	4.76E-09	1.27E-07	10.71179
PGRMC1	0.6576034	11.08779481	4.069814	0.0003106	0.0014341	-0.22705
IAH1	0.6575692	9.362795773	4.777498	4.27E-05	0.000255	1.708182
SMC2	0.6565151	6.889927791	10.16383	2.80E-11	2.79E-09	15.79445
PSMD7	0.6563116	10.80385323	4.834913	3.63E-05	0.0002213	1.867524
PTBP2	0.655975	6.701741302	5.601752	4.12E-06	3.41E-05	4.007747
RRM1	0.6559529	12.18793415	4.24272	0.0001921	0.0009525	0.239448
TTC14	0.6559272	7.108889744	3.915987	0.0004747	0.0020797	-0.63739
GTF3C3	0.6557396	8.927988042	7.288198	3.85E-08	6.94E-07	8.63842
KIAA1551	0.6547437	6.81991535	5.883853	1.86E-06	1.72E-05	4.794919
GNPAT	0.6546322	9.144085867	6.287764	5.99E-07	6.62E-06	5.915999
HSPBAP1	0.654459	7.891993151	7.261854	4.13E-08	7.34E-07	8.567998
PPP1R2	0.654419	9.503162577	4.471692	0.0001012	0.0005435	0.864269
TLK1	0.6535065	7.937674066	4.554439	8.01E-05	0.0004427	1.091702
PYURF	0.6527591	11.30202756	7.633285	1.53E-08	3.32E-07	9.553589
MORF4L2	0.6521357	10.06305411	4.193011	0.0002207	0.0010713	0.104817
MPC1	0.6519355	10.05049061	6.630401	2.31E-07	3.04E-06	6.858559
PRDX4	0.6518774	10.47647448	5.135633	1.55E-05	0.0001058	2.705128
HEBP2	0.6517488	10.89427359	3.71801	0.0008146	0.0033082	-1.15787
NPM1	0.6516779	9.268112007	5.770825	2.56E-06	2.26E-05	4.479814
CHCHD4	0.6515022	9.575560283	6.370232	4.76E-07	5.46E-06	6.143672

DIMT1	0.6507497	10.00187391	6.573746	2.71E-07	3.47E-06	6.703349
TMEM165	0.6504135	7.533156632	5.846412	2.07E-06	1.89E-05	4.69059
COPB2	0.6504055	9.656249151	4.773539	4.32E-05	0.0002575	1.697203
ELOVL6	0.6500159	8.208538551	4.284006	0.0001712	0.000862	0.351563
TRIT1	0.6498072	8.724095363	5.532282	5.02E-06	4.01E-05	3.813612
RABL3	0.6495429	6.859418281	7.824555	9.23E-09	2.22E-07	10.05475
ANXA2P1	0.6495067	9.678472782	2.901082	0.0068652	0.0215287	-3.18023
NT5C3A	0.6492804	9.096810965	3.644612	0.0009933	0.0039411	-1.34837
CSPP1	0.6492367	6.899530673	8.148406	3.96E-09	1.10E-07	10.8929
PFDN6	0.6491463	8.185835991	5.099124	1.72E-05	0.0001153	2.603231
C2orf40	0.6488149	7.806823796	2.401766	0.0226481	0.0597046	-4.2773
CCDC14	0.648576	8.340201811	5.276144	1.04E-05	7.54E-05	3.097616
HNRNPA3	0.6479751	8.0129393	4.348667	0.0001429	0.0007366	0.52766
CWH43	0.6477821	9.467592803	3.311829	0.0024045	0.0086041	-2.19241
RPP40	0.6476388	10.0755481	7.39933	2.85E-08	5.43E-07	8.934638
MRPL47	0.6475257	6.935030504	10.5125	1.25E-11	1.69E-09	16.58624
PTRH2	0.6471546	7.771143368	9.515932	1.30E-10	8.37E-09	14.27917
OPTN	0.6461463	9.660587399	4.524262	8.73E-05	0.0004775	1.008673
POP5	0.6461303	8.880767898	4.631634	6.45E-05	0.000365	1.304537
ADK	0.6456112	7.542158083	8.214661	3.34E-09	9.84E-08	11.06272
RAB5A	0.6456031	9.27763046	3.131741	0.0038334	0.0129748	-2.6337
CFAP36	0.6451715	6.581859432	10.50041	1.29E-11	1.71E-09	16.55906
TYW3	0.644991	6.960934146	5.267239	1.06E-05	7.71E-05	3.07273
KCTD21	0.6445361	8.398548537	5.115468	1.64E-05	0.0001107	2.648841
ARL6IP5	0.6445089	10.32639535	4.631903	6.44E-05	0.0003649	1.305278
ZSCAN16	0.6444883	7.759555705	6.972714	9.04E-08	1.40E-06	7.79018
ABCB7	0.6444498	8.678634226	3.869063	0.0005398	0.0023213	-0.76158
VDAC3	0.6443097	12.01293071	8.551315	1.41E-09	5.16E-08	11.91673
ZBED5	0.6436242	9.292767466	3.291018	0.0025389	0.0090266	-2.24401
AHI1	0.6434136	6.900893765	5.126089	1.59E-05	0.0001081	2.678487
TMEM14A	0.6432643	8.236378572	3.818287	0.0006202	0.0026225	-0.8954
FASTKD3	0.6427826	7.480476966	6.511875	3.21E-07	3.97E-06	6.533544
CENPJ	0.6426178	6.318603168	7.920815	7.17E-09	1.80E-07	10.30526
LSM8	0.642535	7.346414748	6.044799	1.18E-06	1.18E-05	5.24269
BCHE	0.6424251	7.302242652	4.091079	0.0002929	0.0013608	-0.16996
KIFAP3	0.6421367	9.065393665	4.165239	0.0002384	0.0011421	0.029775
CAB39	0.6394925	10.98275038	3.192184	0.0032814	0.011306	-2.48693
PTGR1	0.6390483	9.36071199	4.464897	0.0001031	0.0005524	0.845629
RTCA	0.6390076	7.644463595	6.28873	5.97E-07	6.61E-06	5.918669
MRS2	0.6385071	7.18220072	6.510753	3.22E-07	3.98E-06	6.530462
AGPS	0.6378385	7.635576488	6.115707	9.69E-07	9.90E-06	5.439552
RBM5	0.6376594	10.09574773	3.048497	0.0047401	0.0156087	-2.8335
FAM76B	0.6370548	7.12310349	5.16998	1.40E-05	9.74E-05	2.801027
BMI1	0.6370018	9.221043589	5.019362	2.15E-05	0.0001405	2.380781
TMX1	0.6366547	10.5086257	4.204486	0.0002137	0.0010423	0.135861
SMC6	0.6361858	6.567873171	4.165366	0.0002383	0.001142	0.030119
MFSD6	0.6361006	9.98274368	2.583478	0.0148431	0.041551	-3.89306
CCDC84	0.6349705	7.794590583	3.433479	0.0017459	0.0065015	-1.88787
TUBGCP5	0.6345204	7.415316355	5.030515	2.08E-05	0.0001367	2.411869
SELK	0.6341616	7.786437992	11.75261	8.16E-13	2.83E-10	19.27142
SCAPER	0.6341246	7.973279557	6.097933	1.02E-06	1.03E-05	5.390233
RPL23AP64	0.6339846	7.440055706	4.406562	0.0001215	0.0006407	0.685825
SNORD35A	0.6339009	7.429749952	3.053071	0.0046854	0.0154594	-2.82259
MND1	0.6336243	6.383056804	8.393285	2.11E-09	7.05E-08	11.51771
VPS4B	0.633569	10.38557957	3.999797	0.0003769	0.0017013	-0.41441
GPCPD1	0.6332338	7.9704973	3.495532	0.0014808	0.0056232	-1.73069
SPINK9	0.6326189	6.368291159	2.368117	0.0244516	0.0637489	-4.34639
SUGT1	0.6322109	7.661396923	5.924351	1.66E-06	1.56E-05	4.9077
MKKS	0.6317453	7.554299838	8.99001	4.70E-10	2.18E-08	13.00685

MBNL2	0.6311618	7.598351233	4.473654	0.0001006	0.0005408	0.869652
IFIT2	0.6306994	7.432926145	3.543128	0.0013042	0.0050236	-1.60933
MAK16	0.6303158	7.828675746	5.077393	1.82E-05	0.0001217	2.5426
SCYL2	0.6301316	8.912450754	3.643609	0.000996	0.0039498	-1.35096
HECW2	0.6299104	7.352523086	3.103421	0.0041216	0.0138587	-2.70198
BLVRA	0.6296013	9.120903795	5.259144	1.09E-05	7.86E-05	3.05011
CAPNS2	0.628363	11.55719476	8.724909	9.11E-10	3.59E-08	12.3512
GBAS	0.6281562	8.173002523	6.419949	4.15E-07	4.87E-06	6.280693
DLEU1	0.6280658	8.917539107	5.05231	1.96E-05	0.0001295	2.47264
ANAPC13	0.6278761	11.18174945	7.222952	4.59E-08	7.99E-07	8.463867
ZNF823	0.6278382	8.812077196	4.332131	0.0001496	0.0007674	0.482571
TPMT	0.6269042	9.72800065	5.794641	2.39E-06	2.14E-05	4.546246
RPL30	0.6264471	14.1721579	6.516166	3.17E-07	3.93E-06	6.545331
MAD2L1	0.6260772	6.788769687	8.090435	4.61E-09	1.24E-07	10.74385
C2orf76	0.6252854	7.729523789	5.124451	1.60E-05	0.0001084	2.673915
ZNHIT6	0.6245722	9.370607701	5.05262	1.96E-05	0.0001295	2.473503
PRNP	0.6242698	11.52045633	3.509929	0.0014251	0.0054297	-1.69405
DERA	0.6241784	11.18563647	7.330058	3.44E-08	6.31E-07	8.750161
ZNF22	0.6241585	8.429856484	5.915209	1.70E-06	1.60E-05	4.882247
MZT1	0.6241506	7.085347314	4.389579	0.0001274	0.0006669	0.639383
DHX36	0.6239744	7.701339216	4.534103	8.49E-05	0.0004658	1.035739
BRD7P3	0.6239209	7.244977231	4.947102	2.64E-05	0.0001684	2.179486
LAMTOR5	0.6237256	8.627272793	9.720053	7.96E-11	5.74E-09	14.76277
CCDC138	0.6236648	6.721907557	6.656653	2.15E-07	2.87E-06	6.930383
ERH	0.6236473	10.23672553	4.665493	5.86E-05	0.0003359	1.39807
MYO6	0.6234822	7.339618372	3.748528	0.0007499	0.0030776	-1.07825
NAE1	0.6224736	8.04989125	7.399425	2.85E-08	5.43E-07	8.934893
ATPIF1	0.6223499	8.500595099	5.555934	4.70E-06	3.78E-05	3.879716
GRPEL2	0.6222369	9.110458673	3.791347	0.0006674	0.0027853	-0.96615
DYNC2LI1	0.6221195	6.593719314	8.183965	3.62E-09	1.04E-07	10.98412
ITGB1BP1	0.6220679	8.407118536	6.971786	9.07E-08	1.41E-06	7.78767
MED6	0.6219898	10.9635662	6.139636	9.06E-07	9.33E-06	5.505922
OSER1	0.6216828	10.19887979	4.188855	0.0002232	0.0010815	0.093578
MYL12A	0.6215615	13.01582414	7.983941	6.08E-09	1.56E-07	10.46891
IMPA1	0.6215123	7.304487103	4.000447	0.0003762	0.0016991	-0.41268
SLC4A1AP	0.6213025	7.149332716	6.147018	8.88E-07	9.16E-06	5.526393
CCT6A	0.6209552	8.428403123	5.611253	4.02E-06	3.33E-05	4.03429
TSNAX	0.6205462	7.249297933	4.466843	0.0001026	0.0005501	0.850966
IVNS1ABP	0.6200182	9.037259143	4.309524	0.0001594	0.0008113	0.420988
UFM1	0.6188597	7.758418918	4.654273	6.05E-05	0.0003451	1.367063
MIR99AHG	0.6183773	6.864866796	7.848229	8.67E-09	2.10E-07	10.11647
MED7	0.6179483	6.755460175	11.05544	3.70E-12	7.57E-10	17.78669
TTC32	0.6177002	8.196881335	6.792159	1.48E-07	2.10E-06	7.300156
SNHG15	0.6176511	8.765582617	3.065153	0.0045438	0.0150593	-2.79374
ATOX1	0.6156056	10.999424	5.225091	1.20E-05	8.53E-05	2.954963
EXOSC3	0.6144767	8.562712508	6.113292	9.76E-07	9.94E-06	5.432851
CCL5	0.6141648	7.640437554	2.085709	0.0455234	0.1084037	-4.89891
COP3	0.6140723	11.0385108	7.275948	3.97E-08	7.12E-07	8.605684
BIRC2	0.61332	8.567244453	3.791142	0.0006678	0.0027857	-0.96669
ZNF700	0.6132378	7.57857605	4.227021	0.0002007	0.0009888	0.196889
ZFAND6	0.6116666	7.324281905	6.455279	3.76E-07	4.51E-06	6.377948
PIGB	0.6111937	7.882459566	6.963695	9.27E-08	1.43E-06	7.765779
RNF181	0.610553	10.77419573	2.809449	0.0086097	0.0261129	-3.3909
MRPS36	0.6093605	7.468315865	6.777272	1.54E-07	2.18E-06	7.259612
IARS2	0.6091744	10.25371952	3.544414	0.0012998	0.0050085	-1.60604
BET1	0.6085462	7.706497283	6.930599	1.01E-07	1.54E-06	7.676166
IPO11	0.6080924	9.544869048	5.464858	6.08E-06	4.74E-05	3.625144
PUS3	0.6077837	8.090097909	7.309275	3.63E-08	6.63E-07	8.694707
HLTF	0.6070629	6.787487752	6.041227	1.19E-06	1.19E-05	5.232764

TOPBP1	0.6068758	7.42721233	3.852645	0.0005646	0.0024155	-0.80491
CLIP4	0.6062778	8.264520281	3.066809	0.0045247	0.0150063	-2.78979
DNASE1L3	0.6061449	7.518896292	3.501267	0.0014583	0.0055423	-1.7161
MED30	0.6059048	9.62568565	5.071073	1.86E-05	0.0001236	2.52497
CASP1	0.6058739	7.894997288	6.036423	1.21E-06	1.20E-05	5.219418
NEK1	0.6057377	6.677206065	8.568426	1.35E-09	4.96E-08	11.95974
PPP1R12A	0.6052001	6.792481203	5.042231	2.02E-05	0.0001328	2.444534
ZNF621	0.6051754	7.744219786	4.320985	0.0001544	0.0007884	0.452198
MPZL2	0.6050953	8.577286641	5.988178	1.39E-06	1.35E-05	5.085302
RBBP8	0.6049498	7.076610546	7.442187	2.54E-08	4.96E-07	9.0485
SAAL1	0.6047725	8.458349437	7.356668	3.20E-08	5.98E-07	8.82109
UNC50	0.6047525	10.79460396	6.29816	5.82E-07	6.48E-06	5.944727
PHF11	0.6045885	8.848582388	8.064307	4.93E-09	1.31E-07	10.67653
BBS4	0.6039946	7.411723636	5.179274	1.37E-05	9.52E-05	2.826982
SNORD36C	0.6039488	6.90884945	2.545921	0.0162168	0.0448209	-3.97397
PNPLA8	0.603944	7.031164502	3.874927	0.0005312	0.0022913	-0.74608
LUC7L3	0.6039429	6.796981307	4.804665	3.95E-05	0.0002389	1.783548
POLE4	0.6038737	10.48999461	4.14017	0.0002556	0.0012126	-0.03785
RBM26	0.6035685	6.920579948	3.451113	0.0016662	0.0062467	-1.84333
POLR2F	0.6030749	11.45689629	5.224125	1.20E-05	8.55E-05	2.952264
USPL1	0.6030317	7.523065749	3.52044	0.0013857	0.0052963	-1.66726
NCK1	0.6026239	8.966080201	4.187772	0.0002239	0.0010845	0.090651
OAT	0.6026138	10.47744178	3.872067	0.0005354	0.0023071	-0.75364
RAB13	0.6021317	7.504970457	4.211123	0.0002098	0.001027	0.153827
SETD9	0.6020423	8.360136294	2.849348	0.0078043	0.0239928	-3.29965
ERLEC1	0.6016003	9.350922964	3.664578	0.0009412	0.0037575	-1.29669
DNAJB11	0.6015618	10.68890122	3.586441	0.0011614	0.0045354	-1.49831
GHITM	0.601513	12.25406334	4.257799	0.0001842	0.000921	0.280366
OSTF1	0.6000921	10.92576748	6.463873	3.67E-07	4.41E-06	6.401593
ATP5S	0.600001	8.218639984	5.429422	6.72E-06	5.18E-05	3.526079
WASL	0.5995086	10.2359974	3.749164	0.0007486	0.0030736	-1.07659
AUH	0.5994317	7.32005474	6.937697	9.95E-08	1.51E-06	7.695393
FOPNL	0.5984979	10.57883092	5.142701	1.52E-05	0.0001039	2.724861
GK	0.5984243	7.176538537	5.466163	6.06E-06	4.73E-05	3.628792
PSME4	0.5983685	9.460816795	4.138939	0.0002564	0.0012161	-0.04117
CISD1	0.5975264	10.74444213	8.389975	2.13E-09	7.09E-08	11.50932
APOOL	0.5972779	6.888032157	6.7007	1.91E-07	2.59E-06	7.050761
LRRC1	0.5971175	10.07930851	3.782299	0.0006841	0.0028407	-0.98988
FBXO11	0.5969801	9.604940255	2.906454	0.0067741	0.0212911	-3.16776
B2M	0.5967784	13.16290455	6.084196	1.06E-06	1.07E-05	5.352102
BLOC1S5	0.5952647	8.415646954	6.3588	4.91E-07	5.61E-06	6.112142
FAM60A	0.5951058	11.07724025	3.260431	0.0027495	0.0096796	-2.31957
DNAJC19	0.5945686	7.876506361	5.773413	2.54E-06	2.25E-05	4.487034
GBE1	0.5945182	8.373740324	6.113796	9.74E-07	9.93E-06	5.43425
ABRACL	0.5944169	7.896223071	4.57244	7.62E-05	0.0004232	1.141279
LINC01315	0.5943598	7.829744032	3.948762	0.0004338	0.0019196	-0.55037
VPS26A	0.5931692	9.131224682	4.656343	6.01E-05	0.0003432	1.372782
EIF4A2	0.5930918	12.91371718	3.770014	0.0007073	0.0029266	-1.02206
RBM28	0.5926392	7.111462753	5.794038	2.40E-06	2.14E-05	4.544565
SRPK1	0.5922914	10.15790202	2.894496	0.0069786	0.0218348	-3.1955
OXCT1	0.5920281	8.21962955	3.843775	0.0005785	0.0024665	-0.8283
RSRP1	0.591	7.133169672	2.859737	0.0076065	0.0234591	-3.27576
GBP6	0.5902963	7.034762803	4.81734	3.81E-05	0.0002314	1.818729
HECTD1	0.5900775	10.62254898	2.743883	0.0101045	0.0298673	-3.53922
HIST2H2AC	0.5894671	10.32062861	3.121354	0.0039368	0.0132928	-2.65878
PGM3	0.5892906	7.21678354	5.760922	2.63E-06	2.32E-05	4.452186
MALSU1	0.5892805	10.95733401	7.063804	7.06E-08	1.14E-06	8.036168
HOOK1	0.589166	8.901082834	3.054081	0.0046734	0.0154284	-2.82018
BORA	0.5890179	7.128388268	6.04545	1.18E-06	1.17E-05	5.244498

RWDD3	0.5888289	6.910753821	6.844018	1.29E-07	1.88E-06	7.441222
DNM1L	0.5888247	7.716429381	5.259861	1.09E-05	7.85E-05	3.052113
RPS6	0.5886267	13.96647187	7.572332	1.80E-08	3.77E-07	9.392952
LONRF1	0.5878781	9.930803173	2.637114	0.0130673	0.0372569	-3.77622
ZCCHC11	0.5876946	7.516626107	4.227919	0.0002002	0.0009868	0.199321
TDRD7	0.5876754	8.306974505	4.300224	0.0001636	0.0008305	0.395675
GSTA4	0.5876332	10.53133051	6.44223	3.90E-07	4.63E-06	6.342039
C1orf123	0.5873173	9.30976265	4.004554	0.000372	0.0016819	-0.40171
NIF3L1	0.5872787	10.12402256	6.609407	2.45E-07	3.19E-06	6.801076
SEPP1	0.5870961	7.290123379	5.717554	2.97E-06	2.57E-05	4.331155
ANKMY2	0.5870528	8.207083315	4.641404	6.27E-05	0.0003563	1.331515
SRFBP1	0.5870361	7.668951967	4.294921	0.0001661	0.00084	0.381247
AP1S2	0.586973	8.018702379	5.831358	2.16E-06	1.96E-05	4.648628
PIK3C2G	0.586284	7.741120162	3.484454	0.0015251	0.0057722	-1.75884
PYROXD1	0.5861143	6.607700036	5.893369	1.81E-06	1.69E-05	4.821424
MGME1	0.5859734	10.12407377	4.526705	8.67E-05	0.0004745	1.01539
ZNF800	0.58597	8.921232934	2.571799	0.0152583	0.0425475	-3.9183
TBC1D23	0.5849519	6.879526632	4.286167	0.0001702	0.0008577	0.35744
MOB4	0.5849071	7.605726992	6.197722	7.70E-07	8.15E-06	5.666892
SMC1A	0.5839292	7.061363374	4.967296	2.49E-05	0.0001601	2.235716
MORC3	0.5837082	6.728612077	4.093457	0.0002909	0.0013526	-0.16357
RAI14	0.5835953	10.07820709	2.784052	0.0091623	0.0274585	-3.4486
EBAG9	0.5835074	7.350034853	8.344448	2.39E-09	7.72E-08	11.39373
RPS25	0.5833599	14.59729272	5.690591	3.21E-06	2.74E-05	4.255882
PSMB7	0.5833223	12.56596887	6.099553	1.01E-06	1.03E-05	5.394729
PTEN	0.5829949	10.21758754	4.084962	0.0002979	0.0013825	-0.18639
CYP2R1	0.5829164	8.533289651	6.795684	1.47E-07	2.09E-06	7.309752
NUP35	0.5828867	7.375795735	6.486293	3.45E-07	4.18E-06	6.463244
RPS13	0.5828753	13.86100627	5.816762	2.25E-06	2.04E-05	4.607936
COL5A2	0.5816844	7.544412968	4.152094	0.0002472	0.0011785	-0.0057
RPRD1A	0.5815696	9.515132155	5.139715	1.53E-05	0.0001046	2.716523
GSTO1	0.5811991	10.7878564	3.343174	0.002215	0.0080175	-2.11442
RPL23AP7	0.5811151	7.290127755	6.703528	1.89E-07	2.58E-06	7.058485
ACTR3	0.5800251	8.022944152	2.801592	0.0087772	0.0265215	-3.40878
KCTD9	0.5793189	9.194355053	3.4766	0.0015572	0.0058756	-1.77877
LIPM	0.578267	7.856572066	3.839517	0.0005853	0.0024927	-0.83952
POLQ	0.5782186	6.838413353	6.214492	7.35E-07	7.82E-06	5.713327
BNIP3L	0.5780479	8.258383401	3.014003	0.0051727	0.0168331	-2.91546
ZNF302	0.5778569	7.29844306	6.529982	3.05E-07	3.81E-06	6.58327
TRAPPC8	0.5777435	9.763722147	3.494605	0.0014844	0.0056344	-1.73304
THYN1	0.5774834	7.890122601	5.480964	5.81E-06	4.56E-05	3.670167
OTOP3	0.5771302	6.776194986	2.617879	0.0136802	0.0387821	-3.81829
KANSL2	0.5771114	10.11668095	3.944696	0.0004387	0.0019382	-0.56118
WDR19	0.5768584	8.477408046	3.513224	0.0014126	0.0053875	-1.68566
ARID4B	0.5768456	6.931494821	8.270065	2.90E-09	8.88E-08	11.20429
KIAA1468	0.5767477	8.309299643	3.209976	0.0031339	0.0108489	-2.44347
DLD	0.5766334	8.288412387	3.935826	0.0004495	0.0019805	-0.58474
SERPINB5	0.5764067	13.19485273	2.700025	0.0112363	0.0327045	-3.63727
CDK1	0.5760793	6.626011235	8.25774	2.99E-09	9.09E-08	11.17284
ACAP2	0.5759782	7.504997321	3.740522	0.0007663	0.0031346	-1.09916
ZNF770	0.5758019	9.479286377	2.729185	0.0104714	0.0307549	-3.57219
PLBD1	0.5755337	10.57212036	4.380022	0.0001309	0.0006819	0.613265
CMAS	0.5754651	9.769279558	4.57233	7.62E-05	0.0004232	1.140977
PSMG2	0.5752255	10.94548735	4.970001	2.47E-05	0.000159	2.243249
PPP1CC	0.5748519	11.40132847	4.32656	0.000152	0.0007776	0.467388
TRAPPC11	0.5741216	7.686101427	4.208324	0.0002114	0.0010325	0.146249
PRKRA	0.573724	9.772439545	4.330238	0.0001504	0.0007702	0.47741
PLD1	0.5736899	9.721388336	2.884502	0.0071539	0.0222757	-3.21863
CISD2	0.5734232	8.464105835	5.968521	1.47E-06	1.41E-05	5.030624

CAMSAP2	0.5734116	9.04149012	5.060508	1.91E-05	0.0001268	2.495502
BASP1	0.5733019	9.26003229	2.674314	0.0119537	0.0345129	-3.6943
COX6A1	0.5731452	11.36313177	5.057045	1.93E-05	0.0001279	2.485846
PTPN11	0.5726515	10.55603076	3.459533	0.0016294	0.0061254	-1.82202
TYMSOS	0.5726048	7.818241706	2.935397	0.0063023	0.0200156	-3.10036
ZNF280D	0.5725197	6.844791179	8.9941	4.65E-10	2.16E-08	13.01689
VPS37A	0.5722338	7.306247158	4.895261	3.06E-05	0.0001909	2.03524
SRBD1	0.5720998	7.833319092	5.102506	1.70E-05	0.0001144	2.612667
POC1B	0.5719353	7.12018555	5.311917	9.38E-06	6.91E-05	3.197598
ZNF439	0.5718711	7.325506771	3.434658	0.0017405	0.0064887	-1.8849
AP4E1	0.5711465	8.347798237	3.808611	0.0006368	0.0026821	-0.92083
STK39	0.5705505	8.161334416	3.005612	0.0052834	0.017153	-2.93532
ANKRA2	0.5702536	8.016001352	4.380705	0.0001306	0.0006807	0.615129
CAP2	0.5701452	6.690701674	5.116494	1.63E-05	0.0001104	2.651706
NHLRC2	0.5699502	7.675357873	3.043722	0.0047979	0.0157668	-2.84487
NRG4	0.5695367	6.843613774	4.511976	9.03E-05	0.0004917	0.974894
CREG1	0.5691986	10.89208274	2.906577	0.006772	0.021288	-3.16748
OSBPL8	0.5687355	7.679023816	4.605696	6.94E-05	0.0003894	1.232958
BBS2	0.5685662	9.325625062	3.744583	0.0007579	0.0031068	-1.08856
APIP	0.5682491	7.542839754	7.455893	2.45E-08	4.84E-07	9.084868
SUZ12	0.5681394	10.82202151	5.308908	9.46E-06	6.95E-05	3.189187
WDSUB1	0.5680179	7.716065855	4.781386	4.22E-05	0.0002526	1.718965
MAL2	0.5677608	11.56653394	2.544871	0.0162568	0.0449059	-3.97622
HIST2H2AA3	0.5677132	10.31129798	2.827454	0.008237	0.025143	-3.34981
MNS1	0.5671286	6.446172972	9.328419	2.05E-10	1.15E-08	13.82988
PPP1R21	0.5668	8.325538972	4.456345	0.0001056	0.0005651	0.822174
UBA6	0.5660258	7.086596895	4.247595	0.0001895	0.0009427	0.252673
RMI1	0.5656709	7.734627927	5.240867	1.15E-05	8.21E-05	2.999039
RBM45	0.5656614	7.700804447	5.779659	2.49E-06	2.22E-05	4.504458
ATF2	0.5651476	6.818287706	4.778122	4.26E-05	0.0002547	1.709913
ARHGEF6	0.5644902	8.068732915	4.715347	5.09E-05	0.0002967	1.535974
SPAG9	0.5642551	8.818337558	3.233694	0.0029472	0.0102843	-2.38534
SRP54	0.563925	8.85862339	4.308921	0.0001597	0.0008124	0.419345
ZSCAN31	0.563905	6.932187985	4.696356	5.37E-05	0.0003106	1.483416
XPOT	0.5636305	7.674448465	4.360537	0.0001382	0.0007159	0.560053
POLR2B	0.5633538	8.754476415	3.322576	0.0023379	0.008398	-2.16571
RECQL	0.563124	7.035528016	6.294569	5.88E-07	6.53E-06	5.934805
CEP83	0.5623424	6.522571082	10.02691	3.86E-11	3.51E-09	15.47901
PIGF	0.5621054	7.682005397	8.357764	2.31E-09	7.53E-08	11.42757
AK2	0.561741	9.078852335	8.018264	5.56E-09	1.45E-07	10.55768
ADSS	0.56066	9.122764269	4.059645	0.0003195	0.0014667	-0.25432
CRY1	0.560476	8.380531205	3.585211	0.0011653	0.0045488	-1.50147
LIPT1	0.5602107	7.347426814	5.990246	1.38E-06	1.34E-05	5.091053
GIN52	0.5593575	8.685560799	2.915834	0.0066176	0.0208657	-3.14596
MRPS25	0.559104	7.823312646	5.00318	2.25E-05	0.0001464	2.335682
PCNA	0.5588124	7.406060337	7.807588	9.65E-09	2.29E-07	10.01048
SEC62	0.5585475	7.466087526	5.145434	1.50E-05	0.0001033	2.73249
ZNF146	0.5584751	7.427064343	6.520337	3.14E-07	3.89E-06	6.556787
TBPL1	0.5584344	9.454064889	6.931069	1.01E-07	1.54E-06	7.677438
BMPR2	0.5582695	8.082309286	3.200221	0.003214	0.0110974	-2.46731
MON2	0.5578082	8.746063164	3.177066	0.0034119	0.0117057	-2.52377
CAB39L	0.5575085	6.94789378	8.599583	1.25E-09	4.68E-08	12.03794
DLAT	0.5574365	8.344038738	3.956758	0.0004244	0.0018865	-0.5291
TMEM106C	0.5572204	9.703393128	4.189903	0.0002226	0.0010789	0.096414
IFI44L	0.5570521	6.352099027	4.650118	6.12E-05	0.0003485	1.355584
ETFDH	0.5564319	8.849522368	3.556721	0.0012577	0.0048645	-1.57454
SLC35A5	0.5560247	9.278109334	5.161078	1.44E-05	9.96E-05	2.77617
TEX30	0.5556749	11.07462393	5.320127	9.16E-06	6.78E-05	3.220546
HSF2	0.5556653	8.128936873	3.890704	0.0005088	0.0022096	-0.70437

OFD1	0.5553248	7.018836399	5.54853	4.80E-06	3.85E-05	3.859023
IQGAP1	0.5550634	9.272361729	3.403125	0.0018917	0.0069829	-1.96432
ELMOD2	0.5549621	7.008594113	6.50637	3.26E-07	4.01E-06	6.518421
TBCE	0.554634	7.924993644	8.179312	3.66E-09	1.04E-07	10.97219
TRIP4	0.5546275	8.88477004	4.638308	6.33E-05	0.0003589	1.322963
MIOS	0.554277	9.012150685	3.539106	0.0013183	0.0050758	-1.61961
C12orf54	0.5534732	6.438170497	4.361439	0.0001379	0.0007143	0.562515
FAM135A	0.5534643	7.379929848	2.979052	0.005649	0.0181969	-2.998
ZBTB8OS	0.5533389	6.507042075	10.18827	2.65E-11	2.66E-09	15.85048
KBTBD3	0.5527646	6.782843466	8.823462	7.11E-10	2.96E-08	12.59606
C2orf47	0.5527208	9.203743035	5.667989	3.42E-06	2.89E-05	4.192769
C1orf53	0.5527035	7.476287799	3.986836	0.0003906	0.0017571	-0.44899
IL18R1	0.5526931	6.84914551	4.102371	0.0002838	0.0013263	-0.13961
MPHOSPH8	0.5525832	8.026362449	4.232921	0.0001974	0.0009763	0.212879
ERMARD	0.5525499	7.909895131	5.253464	1.11E-05	7.97E-05	3.034237
NIPBL	0.5522859	6.992637137	5.640216	3.70E-06	3.10E-05	4.1152
CNPY2	0.5516418	8.253132468	4.310401	0.000159	0.0008097	0.423376
HSD17B4	0.5514198	10.66076271	3.391359	0.0019514	0.0071907	-1.99387
SWAP70	0.5509818	9.524710355	3.172938	0.0034484	0.0118121	-2.53382
EXOSC10	0.5508526	8.910403223	5.765547	2.60E-06	2.29E-05	4.465088
STAMPB	0.5508116	7.957278861	8.251153	3.04E-09	9.20E-08	11.15602
CMPK1	0.5500814	9.069086087	2.751757	0.009913	0.0293592	-3.52152
RPS6KB1	0.5498799	9.60464816	3.359617	0.0021214	0.0077334	-2.07337
MTM1	0.549838	7.745923272	3.183777	0.0033534	0.0115273	-2.50743
10-Sep	0.5496578	6.868177794	5.392114	7.47E-06	5.66E-05	3.42178
STK26	0.5491668	8.379280285	5.220843	1.21E-05	8.61E-05	2.943094
TMEM117	0.54909	7.992509358	3.565225	0.0012294	0.0047741	-1.55276
FAM188A	0.5485204	8.863116944	5.464633	6.08E-06	4.75E-05	3.624516
SMC4	0.5476225	6.766484336	9.231063	2.59E-10	1.37E-08	13.59471
TRIAP1	0.5469574	9.131395926	6.984825	8.75E-08	1.36E-06	7.822936
NRBP2	0.5467128	9.197730036	3.367196	0.0020795	0.0075981	-2.05442
RTTN	0.5461418	7.832550592	3.787598	0.0006743	0.0028048	-0.97599
RIN2	0.5459775	10.1906969	4.168242	0.0002364	0.0011353	0.037885
PCID2	0.5444592	10.30330629	5.417026	6.96E-06	5.33E-05	3.491425
PJA2	0.5444155	11.00692871	3.002494	0.0053251	0.0172684	-2.9427
MCM6	0.544313	9.798141066	4.609574	6.86E-05	0.0003857	1.243654
C9orf78	0.543965	10.83980556	4.495338	9.47E-05	0.0005121	0.929182
CDC45	0.543889	7.79631998	3.869348	0.0005394	0.0023204	-0.76082
ZMAT2	0.5436937	10.09439346	4.859647	3.38E-05	0.0002078	1.936236
ZDHHC17	0.5434053	7.357934488	4.167707	0.0002367	0.0011363	0.03644
CHMP4A	0.543247	9.810728687	6.620366	2.38E-07	3.11E-06	6.831085
FAM175B	0.5427056	9.67371382	3.744058	0.000759	0.0031099	-1.08993
CHEK1	0.5426923	7.059125878	6.322216	5.44E-07	6.12E-06	6.01117
CCDC91	0.5426066	6.585175301	6.53189	3.04E-07	3.80E-06	6.588508
MRPS7	0.5424425	9.018255135	5.703704	3.09E-06	2.66E-05	4.292492
VPS35	0.542439	10.801289	4.49537	9.46E-05	0.0005121	0.929269
FUBP3	0.5424326	9.75468407	2.86885	0.0074369	0.0230386	-3.25477
HNRNPA1P10	0.5414737	9.224318371	3.848845	0.0005705	0.0024375	-0.81493
PIN4	0.5404762	6.877898085	7.661887	1.42E-08	3.12E-07	9.628816
SAP30	0.5400853	7.715123586	4.244362	0.0001912	0.0009496	0.243904
MRPL34	0.5399865	9.765689372	3.606983	0.0010991	0.0043131	-1.44547
PM20D2	0.5399726	6.868531907	4.023243	0.0003533	0.0016079	-0.35178
CDH13	0.5399287	8.086830466	2.970969	0.0057649	0.0185303	-3.01702
MDP1	0.5399018	8.274133682	4.579409	7.47E-05	0.0004157	1.160481
SWI5	0.5398436	9.068537786	5.744041	2.76E-06	2.42E-05	4.405081
MRPL53	0.539763	9.146068185	3.454138	0.0016529	0.0062064	-1.83568
CD1B	0.5395196	6.422753659	4.897547	3.04E-05	0.0001899	2.041597
NUP160	0.5391658	8.89185686	4.523745	8.74E-05	0.0004781	1.007251
BIVM	0.5391306	7.497434938	6.165191	8.44E-07	8.81E-06	5.576767

CETN3	0.537341	7.324392798	6.895288	1.12E-07	1.67E-06	7.580434
GPX8	0.5371724	6.504861271	5.10767	1.67E-05	0.0001129	2.62708
HACL1	0.5369078	9.81579627	4.223893	0.0002025	0.0009956	0.188412
TRMO	0.5363651	8.792303103	5.266929	1.07E-05	7.72E-05	3.071865
DNAAF2	0.5361575	6.901420384	3.722575	0.0008046	0.0032731	-1.14598
EXTL2	0.5349666	6.94752394	5.843695	2.08E-06	1.90E-05	4.683019
CENPQ	0.5349422	6.222429928	6.251548	6.63E-07	7.22E-06	5.815869
FAM102B	0.5344836	6.844725586	5.451018	6.32E-06	4.91E-05	3.586453
UBR5	0.534095	8.174521793	4.466782	0.0001026	0.0005501	0.850798
LARP1B	0.5338378	7.067352592	7.268728	4.05E-08	7.22E-07	8.586382
MIS12	0.533299	8.190879339	5.368648	7.98E-06	6.00E-05	3.356181
ST3GAL6	0.5326958	7.728721922	4.526072	8.68E-05	0.0004752	1.01365
LZTFL1	0.5325208	8.195146559	4.638125	6.33E-05	0.0003589	1.322459
JAK2	0.5323601	7.431957703	3.877267	0.0005278	0.0022804	-0.7399
GLMN	0.5322443	6.951475073	8.161515	3.83E-09	1.07E-07	10.92655
XPO1	0.5321088	10.18154726	3.29057	0.0025419	0.0090355	-2.24512
GTPBP8	0.5319501	7.504272635	7.41883	2.71E-08	5.21E-07	8.986471
MRPL48	0.5316636	7.360291234	3.277155	0.0026323	0.009323	-2.2783
NAPB	0.5314812	8.179059751	3.987887	0.0003895	0.0017528	-0.44619
RHEB	0.5312944	10.44992277	6.911828	1.07E-07	1.60E-06	7.625291
TWSG1	0.5311577	7.677459084	5.327582	8.97E-06	6.65E-05	3.241385
RPS17	0.5302543	13.65520589	7.730216	1.18E-08	2.69E-07	9.808122
CAV2	0.5300286	8.746217629	3.963851	0.0004162	0.0018535	-0.51023
PUS7L	0.5296731	6.772929608	6.491589	3.40E-07	4.13E-06	6.477802
COQ2	0.529525	10.26083967	5.149494	1.49E-05	0.0001022	2.743826
TM4SF1	0.5295127	10.63243263	2.715285	0.0108298	0.0317114	-3.60326
CEP128	0.5291047	6.4571208	7.107078	6.27E-08	1.04E-06	8.15273
TMEM181	0.5287313	9.719784511	3.037532	0.0048738	0.0159771	-2.85961
PRMT9	0.5287089	7.409072462	4.024832	0.0003518	0.0016022	-0.34753
RAD50	0.5287004	6.580155873	7.284756	3.88E-08	6.99E-07	8.629222
SDCCAG8	0.5286175	6.458804016	5.579642	4.39E-06	3.58E-05	3.945968
CENPE	0.5284833	6.310024651	6.983961	8.77E-08	1.37E-06	7.8206
CDC7	0.5283276	6.744562777	4.775884	4.29E-05	0.0002561	1.703706
SF3B1	0.5280537	7.819242141	4.645961	6.19E-05	0.0003519	1.3441
RINT1	0.5275865	7.300137478	5.218944	1.22E-05	8.65E-05	2.93779
AKTIP	0.5270967	8.629012686	4.277077	0.0001745	0.0008772	0.332728
TMEM55A	0.5268135	7.810468341	3.856767	0.0005583	0.0023916	-0.79404
GZMB	0.5268005	6.208921596	4.770154	4.36E-05	0.0002596	1.687819
KPNA4	0.5267473	10.29204031	2.850151	0.0077888	0.0239528	-3.2978
UFSP2	0.5266474	9.063955427	5.312096	9.37E-06	6.91E-05	3.198097
CASK	0.5264751	7.674414401	3.956025	0.0004252	0.001889	-0.53105
SLC1A3	0.5262801	7.777042405	4.231315	0.0001983	0.0009801	0.208525
IDNK	0.5257019	8.437377401	3.301686	0.0024691	0.0088109	-2.21758
COX20	0.5255724	7.794848076	4.083503	0.0002991	0.0013871	-0.19031
GNG12	0.5254666	8.171039268	2.284406	0.0295183	0.0749741	-4.51536
POLR3F	0.525364	6.95075246	6.011167	1.30E-06	1.27E-05	5.149222
DHR57	0.5252615	9.697854497	4.255986	0.0001851	0.000924	0.275444
CHCHD3	0.525105	8.031475054	5.857629	2.00E-06	1.84E-05	4.721851
EMC2	0.5246414	6.745473057	6.290834	5.94E-07	6.59E-06	5.924485
ZC2HC1A	0.5244781	9.103408036	3.356498	0.0021389	0.007784	-2.08116
ZNF383	0.5244714	6.593122123	5.743565	2.76E-06	2.42E-05	4.403752
MGST1	0.5242866	6.856194191	4.15183	0.0002474	0.001179	-0.00641
DST	0.5240766	6.721836674	7.722279	1.21E-08	2.74E-07	9.787325
BTBD10	0.5238101	8.341465488	6.87183	1.19E-07	1.76E-06	7.516772
LRR8D	0.5236651	7.084814383	3.837287	0.0005888	0.0025063	-0.84539
CCPG1	0.5235906	7.058350979	5.383859	7.65E-06	5.78E-05	3.398703
MOB3B	0.523394	7.126807527	4.443415	0.0001095	0.0005839	0.78673
LYST	0.5231536	6.967909104	2.782556	0.0091958	0.0275378	-3.45199
RFC1	0.5227249	7.736069555	7.026241	7.82E-08	1.24E-06	7.934834

DPCD	0.5223891	8.100965491	3.773241	0.0007011	0.0029029	-1.01361
CCDC191	0.5221783	6.562383859	5.963928	1.48E-06	1.42E-05	5.017848
SCGB2A2	0.5220721	6.610110972	2.811706	0.0085621	0.025989	-3.38576
ALG6	0.5217551	8.871042393	5.190692	1.32E-05	9.26E-05	2.858872
GABRP	0.5213777	7.200506852	2.936317	0.0062878	0.0199762	-3.09821
IFT57	0.5213763	7.950491882	3.867827	0.0005417	0.0023275	-0.76484
CCDC167	0.5213536	8.342669952	2.847932	0.0078316	0.0240615	-3.3029
KIF2A	0.5211194	7.158787068	3.582107	0.001175	0.0045822	-1.50944
BBOX1	0.5209929	10.76042569	4.946064	2.65E-05	0.0001688	2.176599
AASDH	0.5204848	8.159442416	4.086139	0.0002969	0.0013783	-0.18323
RYK	0.5203536	8.797558272	4.706122	5.22E-05	0.0003033	1.51044
MYOF	0.5203276	9.744579875	2.787339	0.0090889	0.0272935	-3.44115
PIR	0.5202141	8.014586047	4.189088	0.0002231	0.0010811	0.094209
MLLT10	0.5201016	7.822866085	3.642843	0.000998	0.0039572	-1.35294
GSTA3	0.51992	7.302294261	4.134953	0.0002593	0.0012276	-0.05191
C15orf41	0.5195108	7.66898122	4.706079	5.22E-05	0.0003033	1.510322
SKA2	0.5187271	7.0178482	6.533909	3.02E-07	3.79E-06	6.594052
ZDHHC6	0.5185783	8.583037942	3.814202	0.0006271	0.0026478	-0.90614
DSP	0.5183633	10.39466026	3.356673	0.0021379	0.0077834	-2.08072
OAS2	0.5181819	6.472960255	5.475237	5.90E-06	4.62E-05	3.654158
GPATCH1	0.5174918	7.705727779	5.695592	3.16E-06	2.71E-05	4.269845
ACER3	0.5167612	7.955318282	3.767537	0.0007121	0.0029422	-1.02855
INTS10	0.5165841	10.07868436	6.83288	1.33E-07	1.92E-06	7.410946
STT3B	0.5160514	7.363318738	3.893234	0.0005052	0.0021958	-0.69767
SLBP	0.5160074	8.334111223	4.7939	4.08E-05	0.000245	1.753678
NKIRAS1	0.515163	8.231749149	5.611805	4.01E-06	3.33E-05	4.035833
MAST4	0.5150486	7.272394966	2.877326	0.0072824	0.0226285	-3.23522
TMEM106B	0.5149338	7.34824498	3.27165	0.0026704	0.0094422	-2.29189
FILIP1L	0.5136321	7.38476504	5.362321	8.13E-06	6.10E-05	3.338492
SDAD1	0.5132912	10.59126448	4.035115	0.0003419	0.0015611	-0.32002
SLC38A2	0.5128588	10.74258107	2.213222	0.0345526	0.0857957	-4.65566
SMIM11A	0.5127442	6.940584591	6.76123	1.61E-07	2.27E-06	7.215904
DLX1	0.5125382	6.556600083	4.357767	0.0001393	0.0007201	0.552492
CNTNAP2	0.5123715	6.294345668	3.348684	0.0021832	0.0079246	-2.10067
TXNDC12	0.511824	10.93542167	6.204709	7.55E-07	8.01E-06	5.686241
AQP5	0.5118086	6.401771113	2.651595	0.0126228	0.0361864	-3.74441
ZNF165	0.5115084	7.042462669	2.865263	0.0075033	0.0232033	-3.26304
KIF20A	0.5114404	7.239418634	4.205606	0.000213	0.0010393	0.138893
TIPRL	0.5107484	7.721266907	6.187417	7.93E-07	8.37E-06	5.63835
FAM179B	0.5106761	6.726405678	3.823968	0.0006106	0.0025872	-0.88046
EDRF1	0.5103583	7.018986363	4.322984	0.0001535	0.0007848	0.457643
CHCHD1	0.510235	7.622060856	4.10478	0.0002819	0.0013196	-0.13313
MRPS30	0.5101572	10.05185772	3.751146	0.0007445	0.0030616	-1.07141
ZMYM1	0.5100604	7.786982934	4.382105	0.0001301	0.0006786	0.618954
OIP5	0.510047	7.554296126	4.956696	2.57E-05	0.000164	2.206199
PLSCR4	0.510043	7.502309338	4.767703	4.39E-05	0.000261	1.681021
CD2AP	0.509936	6.886001732	3.208963	0.0031422	0.0108688	-2.44594
PARP14	0.5096719	7.009792197	5.252928	1.11E-05	7.98E-05	3.032739
TWISTNB	0.5096698	7.277877222	3.803423	0.0006458	0.0027144	-0.93446
AAED1	0.5094441	6.808257408	6.243623	6.78E-07	7.35E-06	5.793947
GLO1	0.5093103	11.78812613	2.921125	0.0065309	0.0206203	-3.13364
NDUFB1	0.5091979	6.674528569	5.925594	1.65E-06	1.56E-05	4.91116
ZNF7	0.5091546	8.49547558	3.812188	0.0006306	0.0026601	-0.91143
ITGA2	0.509006	8.465682274	3.582906	0.0011725	0.0045742	-1.50739
DPY19L4	0.5078468	7.056370302	4.444772	0.0001091	0.000582	0.790448
MTMR6	0.5072894	7.693065639	3.763268	0.0007204	0.002972	-1.03972
LPCAT2	0.5071887	7.217798959	3.797164	0.0006569	0.0027486	-0.95089
AGA	0.5069497	9.364630532	4.050575	0.0003276	0.0015007	-0.27863
CDKL3	0.5067244	6.449395656	9.375013	1.83E-10	1.07E-08	13.94197

UBE2E1	0.5062837	9.204165219	6.16066	8.54E-07	8.89E-06	5.564208
PIIH	0.5058318	9.214813188	3.815667	0.0006246	0.002639	-0.90229
ANKRD46	0.5058028	9.313788488	4.412964	0.0001193	0.0006304	0.703342
ARL5A	0.5057023	10.21552565	2.87827	0.0072654	0.0225792	-3.23304
PRPF38A	0.5055946	8.032672237	3.42889	0.0017672	0.0065759	-1.89945
TCEAL1	0.5055028	6.929458429	7.959107	6.49E-09	1.65E-07	10.40459
DCLRE1A	0.5054828	7.214927803	4.701406	5.29E-05	0.0003067	1.497391
ARMC1	0.505258	8.561220812	3.785203	0.0006787	0.0028201	-0.98227
RSU1	0.5052284	7.82341874	4.247951	0.0001893	0.000942	0.253639
BBOF1	0.5051991	6.456655533	7.813041	9.51E-09	2.26E-07	10.02471
FIP1L1	0.5049265	7.01743512	4.680186	5.62E-05	0.0003242	1.438691
BAMBI	0.5049073	7.866203984	2.232186	0.0331411	0.0827037	-4.6186
PDIK1L	0.5047736	8.141596883	2.92562	0.0064581	0.0204368	-3.12317
CYP4V2	0.5046989	7.238169359	3.232739	0.0029545	0.0103079	-2.38768
PEX2	0.5046955	7.743749997	7.643013	1.49E-08	3.25E-07	9.579185
HRASLS	0.5038339	8.467605902	3.463669	0.0016116	0.0060632	-1.81155
PWP1	0.5033723	10.27537442	5.119285	1.62E-05	0.0001097	2.659496
FAM216A	0.503299	6.61460506	6.363626	4.85E-07	5.54E-06	6.125453
ZNF350	0.5032259	7.095712845	3.224889	0.0030153	0.0104896	-2.40694
COA1	0.5030395	7.7977884	6.655908	2.16E-07	2.88E-06	6.928347
STRBP	0.5027919	7.148091004	4.70741	5.20E-05	0.0003025	1.514005
HOTAIR	0.5027104	6.759965271	2.895087	0.0069683	0.0218132	-3.19413
RNASEH2B	0.5026167	6.620052636	5.533525	5.00E-06	4.00E-05	3.817086
OVGP1	0.5024439	7.75636715	4.377136	0.0001319	0.0006867	0.60538
RAB11FIP2	0.5012258	7.478289803	3.79823	0.000655	0.0027436	-0.94809
UFC1	0.5010908	11.24834787	4.71222	5.13E-05	0.000299	1.527318
ALCAM	0.5002051	7.521012242	2.803847	0.0087288	0.0264165	-3.40366
PARP2	0.5002046	7.59772858	5.590756	4.25E-06	3.49E-05	3.977024
NDFIP2	0.4998908	12.09904432	3.534463	0.0013348	0.0051249	-1.63147
ACYP1	0.4988126	6.869243246	8.188887	3.57E-09	1.02E-07	10.99673
CHUK	0.4987702	8.611538948	4.068439	0.0003118	0.0014382	-0.23073
BNIP2	0.4985794	9.281770033	3.359553	0.0021218	0.0077334	-2.07353
DDX3X	0.4983601	11.49627297	2.0729	0.0467803	0.1109173	-4.92275
METTL3	0.4982537	8.396076073	3.565551	0.0012283	0.0047709	-1.55192
DDX27	0.4978564	8.178478338	4.318937	0.0001553	0.0007921	0.446619
VEZT	0.4978554	7.329437141	5.698332	3.14E-06	2.69E-05	4.277494
IRAK4	0.4977936	7.389624046	5.458129	6.20E-06	4.83E-05	3.606333
BTBD1	0.4976051	6.906378137	4.889319	3.11E-05	0.0001938	2.018715
C11orf54	0.4973122	8.082557162	5.067911	1.87E-05	0.0001246	2.51615
EBPL	0.4973107	10.62954938	4.189941	0.0002225	0.0010789	0.096514
NCBP1	0.4972574	8.073849229	4.5212	8.80E-05	0.0004811	1.000251
EML4	0.4969574	9.75286526	2.418737	0.0217852	0.0577754	-4.2422
VRK2	0.4969297	6.386350914	4.713301	5.12E-05	0.0002982	1.530312
C11orf70	0.4963158	6.838022304	4.587856	7.29E-05	0.0004076	1.183764
ATAD1	0.4959995	7.96745485	4.563235	7.82E-05	0.000433	1.115925
KIF4A	0.4958946	6.584557294	5.238334	1.16E-05	8.25E-05	2.991963
ME2	0.4953478	7.54259313	4.10215	0.000284	0.0013267	-0.1402
HSPD1	0.4952914	8.310815426	4.556412	7.97E-05	0.0004405	1.097137
DNAJC13	0.4947945	7.70822921	4.939968	2.69E-05	0.0001713	2.159629
DYNLL1	0.4946997	13.67388664	5.93113	1.63E-06	1.54E-05	4.926571
HTR2A	0.4946768	9.093206609	4.284198	0.0001711	0.0008617	0.352086
FBXO8	0.4945571	9.305600123	7.271072	4.03E-08	7.19E-07	8.592649
FCHO2	0.4945519	6.735598726	4.195673	0.000219	0.0010639	0.112016
LRP5L	0.4944622	7.370012429	2.398371	0.0228243	0.0601285	-4.2843
TMEM261	0.4943783	8.18214823	6.408328	4.28E-07	5.01E-06	6.248682
SDHAF4	0.4938484	7.904328989	3.697821	0.0008603	0.0034691	-1.21041
SACM1L	0.4934209	8.040545112	2.972881	0.0057372	0.0184507	-3.01252
L3HYPDH	0.4932952	6.839866108	6.154701	8.69E-07	9.02E-06	5.547692
RAB3IP	0.4932025	9.05842444	5.263039	1.08E-05	7.79E-05	3.060993

PHACTR2	0.4928948	7.442325049	3.202796	0.0031927	0.0110335	-2.46102
RCN2	0.4921715	7.742483014	6.296644	5.84E-07	6.50E-06	5.94054
VIMP	0.4918376	9.214530604	6.686631	1.98E-07	2.68E-06	7.01233
PDSS1	0.491818	6.939771855	6.530667	3.05E-07	3.81E-06	6.585153
HMGN5	0.4917799	6.138919015	5.148841	1.49E-05	0.0001023	2.742001
VAMP4	0.49169	6.752860081	5.797018	2.38E-06	2.13E-05	4.552876
UBE2F	0.4911635	9.808590841	5.855744	2.01E-06	1.84E-05	4.716597
DNMT1	0.4908088	10.39992511	5.083931	1.79E-05	0.0001198	2.560839
PCNX4	0.4908001	7.612796754	3.725336	0.0007986	0.0032514	-1.13878
C9orf3	0.4905824	8.391761636	4.601101	7.03E-05	0.0003941	1.220282
CCDC174	0.4904066	9.09547428	4.210391	0.0002102	0.0010283	0.151844
DRAM2	0.490404	7.773694782	5.428274	6.74E-06	5.19E-05	3.522869
EXOC1	0.4897907	7.3944449433	4.472439	0.000101	0.0005425	0.86632
KIF16B	0.4891304	7.039312856	5.618904	3.93E-06	3.27E-05	4.055666
BCAP29	0.4888082	6.781580687	6.533618	3.02E-07	3.79E-06	6.593254
WDR26	0.4884877	8.08690227	2.310083	0.0278714	0.0713326	-4.46398
TIMM23	0.4884435	10.51841354	7.735129	1.17E-08	2.67E-07	9.820995
LZIC	0.4884135	7.259772943	4.936633	2.72E-05	0.0001727	2.150346
EZH2	0.488222	7.106251231	5.252588	1.11E-05	7.98E-05	3.031791
RIMKLB	0.4871989	6.578851881	4.465514	0.0001029	0.0005518	0.847319
TSG101	0.4871809	10.84867897	6.374056	4.71E-07	5.42E-06	6.154219
NASP	0.4871237	8.526085828	5.251541	1.11E-05	8.00E-05	3.028865
KLHL20	0.4869431	7.763642844	3.247172	0.0028459	0.0099773	-2.35222
LRRC49	0.4868297	6.781683957	5.588457	4.28E-06	3.51E-05	3.970599
SMARCA5	0.4868225	6.718582825	6.559714	2.81E-07	3.59E-06	6.664866
ZCCHC17	0.4866918	9.458283866	6.312079	5.60E-07	6.26E-06	5.983176
TMED7	0.4866265	8.822166092	2.73183	0.0104045	0.0305967	-3.56626
MAP3K7	0.4865867	7.856877718	5.063308	1.90E-05	0.000126	2.503312
MYL6	0.4861777	14.05835991	5.881592	1.87E-06	1.73E-05	4.788619
MPC2	0.485973	10.14455017	4.441794	0.00011	0.0005861	0.782288
ZNF585A	0.4847447	7.473028243	7.0801	6.75E-08	1.10E-06	8.080086
SPTSSA	0.4847242	9.272678772	3.948174	0.0004345	0.0019219	-0.55193
HSPA8	0.4843863	12.14382625	2.750358	0.0099468	0.0294458	-3.52467
PHYH	0.4843782	7.695228305	7.00921	8.19E-08	1.29E-06	7.88884
GNG10	0.4843253	7.261281823	3.581111	0.0011781	0.0045926	-1.512
ACAA2	0.4842304	7.203882019	3.392637	0.0019448	0.0071692	-1.99066
RBM39	0.4842077	7.865901927	5.243877	1.14E-05	8.15E-05	3.00745
MRPL3	0.4834821	8.519209368	7.665236	1.40E-08	3.10E-07	9.637616
TMEM59	0.483356	12.86353517	5.176654	1.38E-05	9.57E-05	2.819665
DDIAS	0.4833218	6.890315991	4.762325	4.46E-05	0.0002646	1.666113
TMSB15B	0.4832116	6.866233514	4.160774	0.0002414	0.0011544	0.017723
MYO1B	0.4821219	7.09538673	4.457011	0.0001054	0.0005644	0.823999
UGDH	0.4818636	8.000101657	3.866779	0.0005432	0.0023326	-0.76761
NIN	0.4817278	6.758452377	6.179257	8.11E-07	8.51E-06	5.615743
ZCWPW2	0.481717	6.3611105828	7.731893	1.18E-08	2.69E-07	9.812516
DNAJC17	0.4817095	7.948779429	5.50473	5.43E-06	4.29E-05	3.736601
GUF1	0.4815773	7.221250571	3.79702	0.0006572	0.0027489	-0.95127
TMX3	0.4811419	7.315800893	3.834696	0.000593	0.0025219	-0.85222
ARHGDIB	0.4810368	11.4838554	3.795106	0.0006606	0.0027599	-0.95629
NAA15	0.4801569	7.47172625	3.156881	0.0035938	0.0122692	-2.57283
ORC2	0.4799434	8.612552438	3.971196	0.0004078	0.0018214	-0.49067
RPL4	0.4798829	13.79443299	3.6479	0.0009845	0.0039108	-1.33986
CCSER2	0.4798126	8.517504895	2.612477	0.013857	0.0391804	-3.83007
SPG11	0.4797563	9.503829322	2.99479	0.0054296	0.0175572	-2.9609
AURKA	0.4794332	7.654926271	3.607445	0.0010977	0.0043095	-1.44427
MS4A2	0.4789709	6.24220116	3.659576	0.000954	0.0037997	-1.30965
ARPC5	0.4787138	10.53521412	3.661024	0.0009503	0.0037872	-1.3059
ENOSF1	0.4783325	8.163172659	4.20854	0.0002113	0.0010321	0.146833
PLOD2	0.4778864	6.945819384	5.675371	3.35E-06	2.84E-05	4.213383

SPIN4	0.4777381	7.154331304	2.92186	0.0065189	0.0205959	-3.13193
PSMG1	0.4775354	8.937810695	3.816935	0.0006225	0.002631	-0.89895
CRLF3	0.4771946	7.657977014	5.011151	2.20E-05	0.0001435	2.357895
CLDND1	0.4771931	10.31988343	3.648716	0.0009823	0.0039038	-1.33775
LRRCC1	0.476634	6.309671472	7.392437	2.91E-08	5.52E-07	8.916308
PTPN2	0.4763855	6.438490517	6.854582	1.25E-07	1.83E-06	7.469926
VTA1	0.476341	8.706808898	3.780953	0.0006866	0.0028499	-0.99341
BTF3	0.476296	12.02156396	5.043509	2.01E-05	0.0001324	2.448098
ANKRD13C	0.4761132	7.416931553	4.648493	6.15E-05	0.0003498	1.351096
ERICH1	0.4758489	8.132372398	5.799135	2.36E-06	2.12E-05	4.558781
FAT1	0.4753926	8.972684126	2.808837	0.0086226	0.0261359	-3.3923
ATP6AP2	0.4753913	11.38508852	2.873713	0.0073479	0.0227916	-3.24356
SUCLG2	0.4752544	9.177516332	4.222549	0.0002032	0.0009991	0.184771
EFHC1	0.4742966	6.836772339	3.975551	0.000403	0.0018026	-0.47907
CASC1	0.473502	6.41289231	4.093286	0.0002911	0.0013529	-0.16403
NME1-NME2	0.4734784	7.266281209	3.416136	0.0018278	0.0067715	-1.93159
TRMT11	0.4734193	6.596043698	5.983078	1.41E-06	1.36E-05	5.071116
VCPKMT	0.4732379	7.243648301	4.3588	0.0001389	0.0007182	0.555309
ZHX1	0.4732147	6.804836382	4.234476	0.0001966	0.0009726	0.217094
ABHD3	0.473162	6.85031526	4.50053	9.33E-05	0.0005055	0.943444
MYCBP2	0.4729217	10.79773731	2.702036	0.0111819	0.0325706	-3.63279
IMMT	0.4713222	9.126882351	4.191492	0.0002216	0.0010752	0.100709
HOXB1	0.4712248	6.788053644	7.478434	2.31E-08	4.60E-07	9.144632
ANKRD29	0.4711711	6.267187216	5.215189	1.23E-05	8.73E-05	2.9273
HYLS1	0.470934	7.573164345	4.996138	2.30E-05	0.0001491	2.316058
DHX32	0.4701482	10.37146163	3.192375	0.0032798	0.0113025	-2.48647
ITM2A	0.4700001	8.785455124	2.894031	0.0069866	0.0218459	-3.19658
NET1	0.4689501	8.448403973	3.147801	0.0036787	0.0125105	-2.59484
BLOC1S1	0.468916	9.986907767	2.408578	0.0222981	0.0589421	-4.26323
TMEM87A	0.4680778	12.09452362	2.496577	0.0181999	0.0494912	-4.07911
INTS2	0.4674818	7.153231028	3.269345	0.0026864	0.0094921	-2.29758
TRMT61B	0.4674154	7.516743125	5.024664	2.12E-05	0.0001388	2.395559
TIMMDC1	0.4673827	7.083766738	5.862238	1.98E-06	1.82E-05	4.734696
CNOT10	0.4672064	8.417408294	5.922475	1.67E-06	1.57E-05	4.902477
BRCC3	0.4671878	6.652515781	5.672207	3.38E-06	2.86E-05	4.204549
DOPEY1	0.4671734	7.554720296	2.402437	0.0226133	0.0596293	-4.27591
PI4K2B	0.4671641	7.42364147	4.59117	7.23E-05	0.0004042	1.192898
WAC	0.4664177	8.446951797	3.646091	0.0009893	0.0039275	-1.34454
RBL2	0.4658939	9.350830203	3.346306	0.0021969	0.0079653	-2.10661
AK3	0.4655361	11.26379207	3.877237	0.0005279	0.0022804	-0.73998
RPL23A	0.465454	8.938034057	2.566001	0.0154684	0.0430159	-3.93081
PROS1	0.4654317	10.96190149	2.282512	0.0296431	0.0752067	-4.51913
TBCK	0.4653945	7.868326948	4.298207	0.0001645	0.0008339	0.390188
TRIP13	0.465391	7.332270693	3.338346	0.0022432	0.0081001	-2.12645
CCDC28A	0.4650939	9.05736729	4.638277	6.33E-05	0.0003589	1.322878
BUB1	0.4647909	6.544045192	4.639077	6.31E-05	0.0003583	1.325087
IKZF5	0.4645451	7.35389631	3.932432	0.0004537	0.001996	-0.59375
NUP62CL	0.4641466	7.225055631	4.674963	5.70E-05	0.0003282	1.424248
C1orf112	0.4637238	6.779017221	5.953804	1.53E-06	1.46E-05	4.989678
LARS	0.4633868	8.935049329	4.267891	0.0001791	0.0008979	0.307771
TMTC3	0.4629242	6.910537748	3.426896	0.0017766	0.0066043	-1.90448
ZMYM2	0.4626805	7.089634093	4.832631	3.65E-05	0.0002224	1.861186
FGFR1OP2	0.4625999	6.706684224	5.948037	1.55E-06	1.48E-05	4.973629
ERP27	0.4624869	7.111101088	2.618591	0.013657	0.0387278	-3.81674
EMC7	0.4624863	11.28938325	6.80214	1.44E-07	2.06E-06	7.327325
REEP1	0.4616752	6.628708412	4.225214	0.0002017	0.0009922	0.191991
ZC3H7A	0.4615428	7.255730545	4.378486	0.0001314	0.0006844	0.609067
UBXN2A	0.4609528	8.780933679	4.179261	0.0002293	0.0011058	0.067648
LYZ	0.4607313	6.484725784	5.26075	1.08E-05	7.83E-05	3.054596

ZNF518A	0.4606335	7.181260166	3.228886	0.0029842	0.0103964	-2.39714
OMA1	0.4606107	7.04076995	5.759232	2.64E-06	2.33E-05	4.447469
CAMLG	0.4605685	12.03076152	4.754098	4.56E-05	0.0002695	1.64331
ILF2	0.4605557	11.39225146	4.336627	0.0001478	0.0007594	0.494826
SRSF11	0.46028	6.430409595	3.685024	0.0008906	0.0035797	-1.24366
MTHFD2	0.4602714	7.688453219	4.459859	0.0001046	0.0005602	0.83181
GNPDA2	0.459538	7.186137612	5.93489	1.61E-06	1.52E-05	4.937038
RAP2A	0.4594856	8.929597017	3.419423	0.001812	0.0067219	-1.92331
MST1	0.4592387	8.644268812	2.219544	0.0340762	0.084732	-4.64333
FAM103A1	0.4589298	8.108961258	5.817984	2.24E-06	2.03E-05	4.611342
DSTN	0.4588947	10.3318227	4.987538	2.35E-05	0.0001521	2.292098
TTC27	0.4588519	8.726137919	5.601426	4.13E-06	3.41E-05	4.006836
PSPH	0.4586341	7.04587113	4.808143	3.91E-05	0.0002371	1.793201
PLS1	0.4586302	7.038649758	6.757629	1.63E-07	2.28E-06	7.206089
HADH	0.4585062	10.64955012	5.62778	3.83E-06	3.20E-05	4.080462
ARID4A	0.4578729	6.466999166	4.795787	4.05E-05	0.0002439	1.758914
ISG15	0.4578183	7.096474895	2.502107	0.0179671	0.048939	-4.06739
KIAA0586	0.4577964	7.176363706	6.272496	6.25E-07	6.86E-06	5.873796
KLHDC2	0.4571199	9.95562291	4.309522	0.0001594	0.0008113	0.420981
UBR2	0.4570248	8.6746363	3.434545	0.001741	0.006489	-1.88518
CD2	0.4565851	6.359815355	2.461892	0.0197248	0.0530432	-4.15221
LGALS3	0.4564709	8.266643117	4.019179	0.0003573	0.0016245	-0.36264
DDX58	0.4562578	7.580817331	3.797828	0.0006558	0.0027451	-0.94915
RBM7	0.4561824	6.946626389	3.410396	0.0018558	0.0068619	-1.94603
MAP4K3	0.4560864	7.0332851	2.903548	0.0068232	0.0214143	-3.17451
LEMD1	0.4560482	6.377996809	3.781177	0.0006862	0.0028488	-0.99282
EXOSC1	0.4555273	8.416366823	5.125332	1.59E-05	0.0001083	2.676373
BZW2	0.4553511	11.06320339	5.520174	5.20E-06	4.12E-05	3.779771
VPS36	0.45534	9.502802298	2.92389	0.006486	0.0205052	-3.1272
DSC2	0.4549673	7.718011001	4.293611	0.0001667	0.0008422	0.377683
CCDC47	0.4546682	8.089203987	3.980599	0.0003974	0.0017826	-0.46562
CC2D2A	0.454371	6.508645457	4.972058	2.46E-05	0.0001583	2.248977
SNORD21	0.4543176	6.689427482	3.51544	0.0014043	0.00536	-1.68001
HJURP	0.4542261	6.971950921	4.211181	0.0002098	0.001027	0.153984
KRIT1	0.4541296	6.97565748	6.260544	6.46E-07	7.07E-06	5.840751
FLJ41455	0.4539033	6.673694603	2.711764	0.0109223	0.031915	-3.61112
PIGH	0.4538559	7.762868403	4.914798	2.89E-05	0.0001819	2.089584
SET	0.4538051	10.64118924	4.108469	0.0002791	0.0013093	-0.12321
HNMT	0.4537748	6.914051062	5.312188	9.37E-06	6.91E-05	3.198355
ARHGAP15	0.453664	6.512927736	4.297421	0.0001649	0.0008353	0.388048
SEC61B	0.4535572	11.68071653	4.057682	0.0003212	0.0014736	-0.25958
PPAT	0.4533118	7.533354156	3.795794	0.0006594	0.0027559	-0.95449
ATP11B	0.4529606	7.450233338	2.753447	0.0098723	0.0292611	-3.51772
ZNF33B	0.452793	7.693464105	5.375339	7.83E-06	5.90E-05	3.374884
CNIH1	0.452756	9.860929414	4.551477	8.08E-05	0.0004459	1.083549
PCMTD2	0.4520652	8.94840164	2.209002	0.034874	0.0864941	-4.66388
LTN1	0.4520226	7.295193504	4.42292	0.000116	0.0006148	0.730593
NOP16	0.4519839	8.495427295	4.184997	0.0002256	0.0010919	0.08315
MBNL1	0.4517529	7.910819435	3.652516	0.0009723	0.0038688	-1.32792
SERPINB3	0.4513103	7.337577544	3.100224	0.0041553	0.013953	-2.70967
C7orf25	0.4507532	7.926400408	7.848092	8.67E-09	2.10E-07	10.11611
TTC13	0.4503832	7.406540146	5.309805	9.43E-06	6.94E-05	3.191695
CHMP1B	0.449894	10.66337093	2.506175	0.0177975	0.0485536	-4.05877
MALT1	0.4496833	7.008868787	3.872014	0.0005355	0.0023071	-0.75378
PSIP1	0.4493864	6.333468307	8.224009	3.26E-09	9.66E-08	11.08664
IRAK1BP1	0.4488676	6.784169384	6.844408	1.28E-07	1.88E-06	7.442283
ANXA5	0.4484684	10.43359692	3.397223	0.0019214	0.0070871	-1.97915
PGAP1	0.4484493	7.058262768	3.058748	0.0046184	0.0152725	-2.80904
TARBP1	0.4483899	7.877684956	4.09358	0.0002908	0.0013526	-0.16324

DYNC1L12	0.4482172	11.18638508	3.220685	0.0030483	0.0105855	-2.41725
BOD1	0.4478628	10.20983717	4.133553	0.0002603	0.0012316	-0.05568
HEATR5B	0.4478406	8.450033212	3.000515	0.0053518	0.0173433	-2.94737
SSX2IP	0.4477276	6.741705505	5.735793	2.82E-06	2.46E-05	4.382062
PCMT1	0.4473389	11.52373597	5.989011	1.38E-06	1.35E-05	5.087619
GDI2	0.4472649	10.52174473	3.553489	0.0012686	0.0049009	-1.58282
ARMC10	0.4472447	8.68966636	5.048959	1.98E-05	0.0001306	2.463295
MAP3K7CL	0.4471673	7.364892465	5.385894	7.60E-06	5.75E-05	3.404392
MKLN1	0.4468359	9.790384434	2.343524	0.0258513	0.0669128	-4.39647
ATG12	0.4463516	8.531001627	3.731396	0.0007855	0.0032044	-1.12298
FAM45A	0.4462141	9.164112698	3.46636	0.0016002	0.0060271	-1.80473
ZNF23	0.4459625	6.564195024	6.673056	2.06E-07	2.77E-06	6.975233
ADSL	0.4455495	10.58123818	3.717807	0.000815	0.0033094	-1.1584
7-Sep	0.4452906	6.556059489	4.041545	0.0003359	0.0015354	-0.30281
RAB22A	0.4452227	9.576451731	2.800927	0.0087915	0.0265524	-3.4103
CAAP1	0.4444558	7.499177341	4.156803	0.000244	0.0011652	0.007008
CPNE3	0.4440696	11.52732818	2.784276	0.0091572	0.0274477	-3.44809
RAP1GDS1	0.4439921	7.622779842	5.154908	1.46E-05	0.000101	2.75894
NUDCD2	0.4438081	6.829434407	3.49703	0.0014749	0.0056019	-1.72688
YBX1	0.4431044	11.41944419	3.823336	0.0006117	0.0025911	-0.88212
SERPINB7	0.4429384	11.33550394	2.357537	0.0250451	0.0650515	-4.36798
HNRNPH3	0.4423478	7.160755158	4.529925	8.59E-05	0.0004706	1.024246
ATF4	0.4421347	9.028580778	3.406529	0.0018748	0.0069244	-1.95576
ZNF330	0.4420963	8.04791822	5.427738	6.75E-06	5.20E-05	3.521373
DNAJC10	0.4420302	7.048552644	5.150245	1.48E-05	0.000102	2.745921
MTX2	0.4417101	7.909798746	7.482147	2.29E-08	4.57E-07	9.154471
USP34	0.4406738	7.99034223	2.770889	0.0094616	0.0282161	-3.47838
IL33	0.4406582	6.987183094	3.240587	0.002895	0.0101177	-2.36841
CD3D	0.4406054	6.627549847	3.001984	0.005332	0.0172849	-2.9439
IL1B	0.4404923	6.5185854	3.426193	0.0017799	0.0066153	-1.90625
SMPDL3A	0.4404375	8.495008433	2.769256	0.0094993	0.0282939	-3.48207
GEM	0.4404363	6.437273806	3.734897	0.0007781	0.0031768	-1.11384
CLIP1	0.4402189	7.417294128	5.036156	2.05E-05	0.0001348	2.427595
CASP4	0.4398561	7.301445971	10.49604	1.30E-11	1.71E-09	16.54924
PDE6D	0.4398256	8.272136179	4.465687	0.0001029	0.0005517	0.847795
YEATS2	0.4393859	8.112297991	3.122167	0.0039286	0.0132721	-2.65682
C1orf109	0.4392304	7.934720921	3.510963	0.0014211	0.0054158	-1.69141
MYH3	0.4390631	6.604131266	4.004873	0.0003717	0.0016812	-0.40086
SMAD4	0.4389389	9.561772983	2.982513	0.0056	0.0180542	-2.98985
CUTC	0.4388171	8.216748764	4.191609	0.0002215	0.0010752	0.101025
BMS1	0.4382071	8.135706768	6.281782	6.09E-07	6.72E-06	5.899467
EIF4E2	0.4381172	9.568760459	4.106846	0.0002803	0.001314	-0.12757
COX6B1	0.4377553	12.5564652	2.945002	0.0061527	0.0196208	-3.07791
GHR	0.4375369	7.532671595	3.7307	0.000787	0.0032098	-1.12479
RNF138	0.4370543	7.340839836	3.598136	0.0011255	0.0044088	-1.46824
RAB1A	0.4370399	8.546543746	2.780357	0.0092454	0.0276521	-3.45697
PAXBP1	0.4368929	7.133617704	3.666499	0.0009363	0.0037432	-1.29171
RALB	0.4364392	10.11273791	3.245975	0.0028548	0.0100048	-2.35516
PIN4P1	0.4361571	6.561875414	5.176595	1.38E-05	9.57E-05	2.8195
ZNF10	0.4360681	6.826379559	4.102772	0.0002835	0.0013257	-0.13853
UBE2Q2	0.4356114	9.185538614	3.874811	0.0005314	0.0022915	-0.74639
RAD21	0.4348626	7.888206501	3.548417	0.0012859	0.0049599	-1.5958
SEC23IP	0.4344379	7.882361462	3.685515	0.0008895	0.0035757	-1.24238
MTFR1	0.4340665	8.72669804	3.299621	0.0024825	0.0088504	-2.2227
HSDL2	0.4338974	9.155423305	2.343928	0.0258277	0.0668606	-4.39565
TVP23B	0.4338858	7.642564781	4.782428	4.21E-05	0.0002521	1.721856
PPIAL4A	0.4336307	8.352803867	5.937656	1.60E-06	1.51E-05	4.944737
SECISBP2	0.4334123	8.370460858	4.095299	0.0002895	0.0013486	-0.15862
SENP7	0.43284	6.8631567	5.231059	1.18E-05	8.40E-05	2.971634

BTN2A1	0.4328195	6.923277593	5.831535	2.15E-06	1.96E-05	4.649122
GLRX3	0.432715	8.018027303	7.229707	4.50E-08	7.86E-07	8.48196
EEF1AKMT1	0.4326216	8.185157486	4.182389	0.0002273	0.0010982	0.076101
AKAP11	0.4323197	7.989820042	2.781449	0.0092208	0.0275974	-3.4545
IER3IP1	0.4317798	8.030143831	2.63867	0.0130188	0.0371496	-3.7728
SETDB2	0.4310836	6.738049035	6.395401	4.44E-07	5.17E-06	6.213061
OAS1	0.4309862	6.756325511	5.409963	7.10E-06	5.43E-05	3.471678
CDK6	0.4309482	8.942702548	2.642965	0.012886	0.0368483	-3.76338
RPS29	0.430701	13.18327201	7.540297	1.96E-08	4.03E-07	9.308351
RPL35	0.4306497	13.74798098	4.882192	3.17E-05	0.0001971	1.9989
NPIPA1	0.4305878	8.448534459	2.239224	0.0326306	0.0816069	-4.60478
MFSD1	0.4301986	10.23999202	3.447384	0.0016828	0.0063003	-1.85276
RIT1	0.4301607	7.090502343	4.18369	0.0002265	0.001095	0.079617
LAMB1	0.4300556	6.656158032	4.481193	9.85E-05	0.0005308	0.890343
BBS7	0.429819	6.58790308	6.481833	3.49E-07	4.22E-06	6.450983
CLASP2	0.4295915	7.028055998	2.482665	0.0187981	0.050918	-4.10851
ZNF613	0.4289372	6.911760775	7.542644	1.95E-08	4.02E-07	9.314552
NUDT9	0.4288156	7.290083954	6.341366	5.16E-07	5.85E-06	6.064035
RB1	0.4288122	6.636870422	3.960305	0.0004202	0.0018691	-0.51966
TPD52L1	0.42867	8.03590665	5.785356	2.45E-06	2.19E-05	4.520349
CYP2J2	0.4282848	9.87842904	2.364355	0.0246611	0.0641917	-4.35408
ADAMTS1	0.4281763	7.046197872	2.167692	0.038164	0.0934326	-4.74373
FAM161A	0.4280133	6.387515774	4.569621	7.68E-05	0.0004259	1.133515
ELP2	0.4279219	9.359866928	3.825009	0.0006089	0.0025816	-0.87772
MRPS11	0.4278554	9.766143628	3.30833	0.0024266	0.008672	-2.2011
NAA20	0.4277175	9.781076569	5.723364	2.92E-06	2.54E-05	4.347372
MPP5	0.4275153	8.106700259	3.456262	0.0016436	0.0061751	-1.8303
CCNG1	0.4271293	7.202503863	6.838415	1.31E-07	1.90E-06	7.425994
POLR2G	0.4265535	10.96289031	4.004278	0.0003723	0.0016828	-0.40245
GNRH1	0.4265372	7.120081843	3.315656	0.0023806	0.0085247	-2.18291
TTF2	0.4262536	8.167693317	2.880327	0.0072284	0.0224787	-3.22828
CCNB1	0.4261399	6.61285971	5.410524	7.09E-06	5.43E-05	3.473248
PRPF3	0.4259344	8.956753023	3.556461	0.0012586	0.0048669	-1.57521
IPO5	0.4258438	7.115166162	4.18557	0.0002253	0.0010907	0.084699
SF3A3	0.4257159	10.70507822	5.030484	2.08E-05	0.0001367	2.411784
RARS2	0.425715	9.255396409	5.232008	1.18E-05	8.38E-05	2.974287
ARL6IP6	0.4254521	7.305136881	4.934716	2.73E-05	0.0001734	2.145009
SPRTN	0.425437	6.828316079	4.701017	5.30E-05	0.000307	1.496315
HOPX	0.4253732	10.27826161	4.110053	0.0002779	0.0013049	-0.11895
SLC25A43	0.4253385	8.835613384	4.383409	0.0001296	0.0006767	0.62252
CDCA7	0.4250354	7.669846488	5.872407	1.92E-06	1.77E-05	4.763031
DCUN1D4	0.4249472	7.964741245	4.769795	4.36E-05	0.0002597	1.686822
SRSF7	0.4249267	9.08258263	3.708821	0.0008351	0.0033803	-1.1818
INSIG2	0.424916	8.969542793	3.050328	0.0047182	0.0155469	-2.82913
SPATA18	0.4249025	8.49026347	4.806798	3.93E-05	0.0002379	1.789467
LIAS	0.4247681	7.589038253	5.959394	1.50E-06	1.44E-05	5.005233
KIAA0196	0.4239666	9.551401592	3.419792	0.0018103	0.0067167	-1.92238
HERC4	0.4237822	6.966420122	5.251193	1.11E-05	8.00E-05	3.027893
SAR1B	0.4237619	7.734345686	6.60564	2.48E-07	3.22E-06	6.790759
WRB	0.4237134	7.488685915	4.002679	0.0003739	0.0016895	-0.40672
MPP6	0.4237074	6.743437827	4.120327	0.00027	0.001271	-0.0913
POP4	0.4234509	7.60094996	4.205983	0.0002128	0.001039	0.139913
GRSF1	0.4234156	10.0967384	4.158538	0.0002429	0.0011608	0.011689
CEP63	0.4233283	6.577273987	8.017039	5.58E-09	1.46E-07	10.55452
MYO5C	0.4230011	7.290237564	2.621528	0.0135619	0.0384918	-3.81033
CEP350	0.4225968	8.78969348	2.496278	0.0182126	0.0495162	-4.07974
KPNA5	0.4225771	6.276285976	6.28096	6.10E-07	6.72E-06	5.897194
SERPINB12	0.4224402	7.088967219	2.85672	0.0076635	0.023616	-3.28271
SMNDC1	0.4224116	8.469852079	2.545373	0.0162377	0.0448722	-3.97515

PCNT	0.4222041	8.865861308	3.224803	0.0030159	0.0104901	-2.40715
DYNLT3	0.4219624	7.781826505	3.378179	0.0020203	0.0074054	-2.02692
PINX1	0.4219036	7.675611959	5.609027	4.04E-06	3.35E-05	4.028073
MTO1	0.421867	7.357232929	6.907629	1.08E-07	1.62E-06	7.613905
GPN1	0.4217591	10.45997663	3.625865	0.0010447	0.0041187	-1.39679
STARD3NL	0.4216111	6.67086757	4.778485	4.26E-05	0.0002546	1.710918
ATM	0.4213194	6.636645714	5.902485	1.76E-06	1.65E-05	4.846815
RPL12	0.4213008	14.20355125	4.343254	0.0001451	0.0007468	0.512895
AEBP2	0.4212118	7.946148857	3.449382	0.0016739	0.0062743	-1.8477
ZNF24	0.4208726	6.857732312	3.486302	0.0015176	0.0057495	-1.75414
USP1	0.4207681	7.005760434	4.752964	4.58E-05	0.0002702	1.640167
CAPN10	0.420427	6.729409683	9.618727	1.01E-10	7.01E-09	14.52342
RIF1	0.4201182	6.526380606	5.040564	2.03E-05	0.0001333	2.439887
UCK2	0.4200284	8.825026222	6.274444	6.22E-07	6.82E-06	5.879183
TBC1D19	0.4199162	6.849296321	6.671468	2.07E-07	2.78E-06	6.97089
STX7	0.4197467	6.790279127	6.164873	8.44E-07	8.81E-06	5.575887
RBP7	0.4197398	8.203297792	2.185871	0.0366834	0.0904155	-4.70872
ENSA	0.4196772	8.37650608	4.214769	0.0002077	0.0010181	0.163697
SMAP1	0.4195917	7.800155687	3.876795	0.0005285	0.0022821	-0.74115
LOC105376398	0.4194656	6.717883493	5.062609	1.90E-05	0.0001262	2.501362
PNO1	0.4194006	8.280184646	4.129464	0.0002633	0.0012434	-0.0667
SUPV3L1	0.4189773	8.293140254	3.789088	0.0006716	0.0027965	-0.97208
TIPIN	0.4188844	6.527683601	5.86586	1.96E-06	1.80E-05	4.744788
SLC38A9	0.4187756	7.299823026	4.909146	2.94E-05	0.0001845	2.073861
LMO4	0.41863	10.85012472	2.825734	0.008272	0.0252148	-3.35375
RAN	0.4185995	9.391484163	2.988386	0.0055179	0.0178219	-2.97601
CUL1	0.4185655	8.428474976	4.115321	0.0002738	0.0012875	-0.10477
DRAM1	0.4183296	7.055461683	4.226763	0.0002009	0.0009892	0.196188
SLC44A1	0.4175247	11.77281053	2.541181	0.0163983	0.0452515	-3.98413
NIP7	0.4174638	10.10466095	2.886937	0.0071108	0.0221628	-3.213
WDR53	0.4172956	7.462888127	4.989267	2.34E-05	0.0001515	2.296914
TMEM258	0.4171278	12.13745811	2.446434	0.0204414	0.0546823	-4.18456
MYH10	0.4170757	9.082702385	2.885861	0.0071298	0.0222113	-3.21549
C5orf15	0.4170249	10.8321051	2.927556	0.0064269	0.020358	-3.11866
FAM172A	0.4169495	9.907596964	5.465335	6.07E-06	4.74E-05	3.626478
CRYZL1	0.4165618	7.442377651	6.008643	1.31E-06	1.28E-05	5.142206
NDUFA7	0.4164823	10.03155191	2.524196	0.017064	0.0468268	-4.02043
USP15	0.4161425	7.10583337	4.137572	0.0002574	0.0012196	-0.04485
DCAF6	0.4159759	7.529063882	4.650337	6.12E-05	0.0003485	1.35619
ZNF226	0.4158906	6.371685355	5.699231	3.13E-06	2.68E-05	4.280004
ANXA2	0.4156788	11.21096196	4.059671	0.0003195	0.0014667	-0.25425
PARP9	0.4156345	7.585316108	3.007854	0.0052536	0.017065	-2.93002
FAM163A	0.4155113	6.613855744	5.715469	2.99E-06	2.59E-05	4.325336
STAU2	0.4150106	8.040032328	2.748617	0.0099889	0.0295481	-3.52858
C1orf50	0.4149747	9.110471629	4.094529	0.0002901	0.00135	-0.16069
MASTL	0.4147349	6.8334277	3.748391	0.0007501	0.0030781	-1.07861
FAM24B	0.4145909	6.733035589	5.413708	7.03E-06	5.38E-05	3.482149
HACD2	0.4145742	10.18492146	2.634724	0.013142	0.037448	-3.78145
THAP1	0.4144626	6.455316111	7.791611	1.01E-08	2.36E-07	9.968752
AP5M1	0.4144086	7.453612745	6.108486	9.89E-07	1.01E-05	5.419517
IMMP2L	0.4144049	8.388282267	4.45198	0.0001069	0.0005716	0.810207
EOGT	0.4140466	6.762288462	4.354595	0.0001405	0.0007256	0.543836
GMFB	0.4138238	10.06877106	4.578264	7.49E-05	0.0004169	1.157327
FBXO3	0.4137685	7.424471416	5.193605	1.31E-05	9.20E-05	2.867008
FKBP11	0.4137024	8.487539352	3.733775	0.0007805	0.0031852	-1.11677
XRN1	0.4135148	8.623848806	2.861145	0.0075801	0.0234185	-3.27252
SAP18	0.413414	9.190386607	3.427012	0.001776	0.0066035	-1.90419
CAT	0.4132412	9.178707643	5.226016	1.20E-05	8.51E-05	2.957546
BPNT1	0.413191	7.697251825	4.8207	3.78E-05	0.0002295	1.828057

ARFGAP3	0.413186	7.289320899	4.62561	6.56E-05	0.0003704	1.287906
SNRPD1	0.4131466	7.056192841	5.126311	1.59E-05	0.0001081	2.679106
SEC22A	0.4128041	9.590691247	5.532197	5.02E-06	4.01E-05	3.813373
ZNF518B	0.4126551	8.056729201	2.974262	0.0057174	0.0183959	-3.00927
TRAM1	0.41264	11.87855668	2.772614	0.0094218	0.0281191	-3.47448
PCGF6	0.4123748	6.850246537	5.375402	7.83E-06	5.90E-05	3.37506
CTDSPL2	0.4120913	6.834139085	4.734659	4.82E-05	0.0002831	1.589452
PWWP2A	0.4119997	7.117799028	3.754831	0.0007371	0.0030337	-1.06178
MTRF1	0.4119517	6.419408685	5.409423	7.11E-06	5.43E-05	3.470171
MATR3	0.4110076	7.252391411	6.503066	3.29E-07	4.04E-06	6.509344
UBR3	0.4110042	8.369754303	2.91338	0.0066582	0.0209711	-3.15166
DDX52	0.4109439	6.988013494	5.324436	9.05E-06	6.71E-05	3.232591
SLC22A15	0.410552	7.654409649	2.64693	0.0127644	0.0365599	-3.75467
DOCK11	0.4103818	6.360190826	4.879778	3.20E-05	0.0001982	1.99219
GSTA2	0.4101125	6.903490758	3.343968	0.0022104	0.0080024	-2.11244
HSPA2	0.4098981	9.924426089	3.251433	0.0028146	0.0098746	-2.34173
RNGTT	0.4098162	8.791412148	3.438562	0.0017226	0.0064331	-1.87504
KIAA0101	0.4097858	9.627715856	4.741563	4.73E-05	0.0002783	1.608576
RSBN1L	0.4095129	7.254881005	2.863092	0.0075437	0.0233208	-3.26804
ADAL	0.4093912	6.572544923	5.59086	4.25E-06	3.49E-05	3.977314
WFDC12	0.4088634	6.676647797	2.642677	0.0128948	0.0368682	-3.76401
UQCRC2	0.408642	8.876948237	2.742462	0.0101395	0.0299523	-3.54242
HAUS1	0.4082995	6.439533197	6.020296	1.27E-06	1.25E-05	5.174597
BRMS1L	0.4082511	7.005739197	5.836177	2.13E-06	1.94E-05	4.662062
GLDN	0.4080444	6.601541953	3.088585	0.0042806	0.0143241	-2.73763
ACYP2	0.4077163	7.224028863	5.561957	4.62E-06	3.73E-05	3.896549
GTF2H3	0.4076506	7.370640374	4.521364	8.80E-05	0.000481	1.000704
BTF3L4	0.4074306	9.524775158	3.603037	0.0011108	0.0043564	-1.45563
CDX4	0.40742	6.40831384	3.935761	0.0004496	0.0019805	-0.58491
DR1	0.4071787	8.500711964	2.520792	0.0172004	0.0471432	-4.02768
NME1	0.4070095	9.080856928	3.843707	0.0005786	0.0024665	-0.82848
COQ10B	0.4069335	10.49649692	2.957963	0.0059561	0.0190724	-3.04755
FBXO38	0.4068591	7.469140732	4.840748	3.57E-05	0.0002183	1.883729
NGDN	0.4068525	8.436952657	3.182806	0.0033618	0.0115542	-2.5098
CD247	0.4067661	6.824435591	2.378039	0.0239066	0.062555	-4.32609
METAP1	0.4067312	10.49464727	4.264548	0.0001808	0.0009054	0.298692
COQ5	0.4066237	9.900967398	5.374732	7.85E-06	5.91E-05	3.373186
ZFC3H1	0.4059639	6.794936583	2.592029	0.0145458	0.0408299	-3.87454
DNAJC27	0.4056834	7.586166349	2.632182	0.013222	0.0376489	-3.78702
CEP70	0.4050855	6.473400444	5.283905	1.02E-05	7.39E-05	3.119306
ZMYM4	0.4048924	7.737747247	3.579153	0.0011843	0.0046132	-1.51702
ALG14	0.404857	7.561151763	3.33006	0.0022925	0.0082595	-2.14709
UBB	0.4045327	13.47707966	4.077381	0.0003042	0.0014077	-0.20674
IQCK	0.4043989	7.919741911	4.076835	0.0003046	0.0014092	-0.20821
COL17A1	0.4043285	11.4301642	2.62307	0.0135122	0.0383676	-3.80696
PIK3C3	0.4037334	6.604864505	3.801229	0.0006497	0.0027271	-0.94022
CRADD	0.4030169	8.668715372	5.130159	1.57E-05	0.0001072	2.689848
GLRX2	0.4029356	7.073990499	5.62713	3.84E-06	3.20E-05	4.078645
HNRNPA1P33	0.4028407	8.874630537	2.755416	0.0098251	0.0291523	-3.51328
MUSK	0.4028209	8.445536319	4.965041	2.51E-05	0.0001609	2.229434
ABCA1	0.4022583	9.627139209	2.477439	0.0190274	0.0514099	-4.11953
LRP11	0.4019569	8.386185452	2.247378	0.032048	0.0803995	-4.58874
NBPF11	0.4011669	7.919607486	3.579215	0.0011841	0.0046132	-1.51686
WDR41	0.4011443	8.937606249	3.776574	0.0006948	0.0028803	-1.00488
RGS20	0.4010964	6.678219981	3.610616	0.0010884	0.004279	-1.43611
STAM	0.4010462	8.550816902	3.110716	0.0040454	0.0136193	-2.68443
TRPC1	0.4010138	6.581040618	4.237622	0.0001949	0.0009651	0.225625
RDH11	0.4006563	8.915582658	3.522299	0.0013788	0.0052732	-1.66252
PPHLN1	0.4004789	7.768463485	6.545961	2.92E-07	3.69E-06	6.62713

DNAJA2	0.4004777	10.96450272	4.92023	2.85E-05	0.0001793	2.104697
DARS	0.4003804	12.42591735	3.695135	0.0008666	0.0034926	-1.21739
POLR3C	0.400275	10.01265669	3.950984	0.0004312	0.001911	-0.54446
ATP8B4	0.4002688	7.208057813	4.108784	0.0002788	0.0013085	-0.12236
RAPGEF4	0.4001058	7.310027933	2.640239	0.0129702	0.037029	-3.76936
HSPA4	0.3992267	6.626372856	3.4115	0.0018504	0.0068445	-1.94326
PSMA1	0.3991444	8.327905851	5.644594	3.65E-06	3.07E-05	4.127429
MFAP5	0.3990269	6.653663926	3.152246	0.0036369	0.0123945	-2.58407
CYP20A1	0.39887	7.362570291	6.546303	2.92E-07	3.69E-06	6.628069
UGGT2	0.3984941	6.954332317	6.292337	5.91E-07	6.56E-06	5.928637
SLC35F2	0.3982423	9.337259	2.547603	0.0161529	0.0446568	-3.97036
CLK1	0.3981949	6.941467434	3.265817	0.0027112	0.0095692	-2.30629
R3HCC1L	0.3981854	7.119740226	4.658423	5.98E-05	0.0003413	1.378532
KLHL42	0.3979582	8.751011634	3.077988	0.0043978	0.0146681	-2.76303
LOC100506098	0.397889	6.530531183	4.56533	7.77E-05	0.0004306	1.121695
JAML	0.3977082	6.872659909	2.843758	0.0079127	0.0242645	-3.31248
LOC100419583	0.3975871	8.447861442	4.759292	4.49E-05	0.0002664	1.657705
CXorf57	0.3974977	7.261582491	2.867685	0.0074584	0.0230904	-3.25746
PRPSAP2	0.3973685	8.146618339	5.626584	3.84E-06	3.20E-05	4.07712
PHF20L1	0.3971943	7.069390091	6.319811	5.48E-07	6.15E-06	6.004531
ZNF207	0.3970356	10.95856486	3.272376	0.0026653	0.009426	-2.2901
GORAB	0.3970275	6.720631934	7.935159	6.90E-09	1.74E-07	10.34249
PPP2CA	0.3962189	11.49225974	2.772051	0.0094348	0.0281492	-3.47576
CDCA7L	0.3962034	7.533850334	2.454966	0.020043	0.0537721	-4.16672
RNF7	0.3960526	9.296067458	7.522873	2.05E-08	4.18E-07	9.262284
CAPRIN2	0.3960174	7.015860791	3.063426	0.0045638	0.0151152	-2.79787
EFR3A	0.395983	9.986272675	2.39086	0.0232189	0.0610187	-4.29977
MCM3	0.3956318	9.53572355	3.710681	0.0008309	0.003364	-1.17696
HENMT1	0.3951359	7.970301911	4.517105	8.90E-05	0.000486	0.988995
SNCA	0.3948604	7.778988092	2.770283	0.0094756	0.0282361	-3.47975
ITGB1	0.3946434	7.732057381	4.249997	0.0001883	0.0009371	0.259191
ZMYM5	0.3946249	6.589117282	3.948971	0.0004335	0.0019193	-0.54981
CEP152	0.3944725	6.183132294	6.775665	1.55E-07	2.19E-06	7.255236
POLR2H	0.3942877	9.98350315	4.615818	6.74E-05	0.0003795	1.260881
ALKBH3	0.3941414	9.092825149	4.103759	0.0002827	0.0013224	-0.13588
PTPRK	0.3941081	8.61452001	2.54963	0.0160761	0.0444764	-3.96602
TPX2	0.3939593	7.39024768	3.698899	0.0008578	0.0034615	-1.20761
RNU6ATAC	0.3938889	6.438118004	2.348847	0.0255423	0.0662013	-4.38566
HMGB1	0.3938871	6.86917686	4.788725	4.14E-05	0.0002481	1.73932
RPL19	0.3938153	14.41844526	5.197786	1.30E-05	9.11E-05	2.878687
TRAPPC6B	0.3938124	6.872157512	4.22813	0.0002001	0.0009867	0.199892
SH3GL3	0.3936338	6.717434737	3.228547	0.0029868	0.0104037	-2.39797
EHHADH	0.3934846	6.802859908	2.879105	0.0072503	0.0225433	-3.23111
PDCD2	0.3932846	8.877533662	5.007772	2.22E-05	0.0001448	2.348477
MTR	0.3930319	7.228502798	4.151056	0.000248	0.0011811	-0.0085
DKK3	0.3926181	8.088477056	4.888403	3.12E-05	0.0001942	2.016169
GTF3C6	0.3924752	7.040222929	5.345784	8.52E-06	6.36E-05	3.292263
MOSPD1	0.3913451	6.412666752	4.040951	0.0003364	0.0015376	-0.3044
NDUFC1	0.3911993	9.558511884	2.846334	0.0078626	0.0241414	-3.30657
GZMK	0.3910991	6.286263471	2.393137	0.0230986	0.06074	-4.29508
ZNF248	0.3906468	6.682435007	3.453413	0.0016561	0.006216	-1.83751
MCM10	0.3905721	6.426025606	5.596966	4.18E-06	3.44E-05	3.994373
ZNF558	0.3903873	7.360320031	3.701573	0.0008516	0.0034394	-1.20065
ORMDL1	0.3900228	7.782129734	6.697684	1.92E-07	2.61E-06	7.042526
PPIL3	0.389883	7.667912896	8.083117	4.70E-09	1.26E-07	10.725
ZSCAN21	0.3896478	7.548308131	4.009154	0.0003673	0.0016638	-0.38943
SMARCA1	0.3889322	6.515201439	6.107483	9.92E-07	1.01E-05	5.416733
NDUFA8	0.3889142	11.30431427	4.448856	0.0001079	0.0005757	0.801644
EDNRA	0.3888206	6.740825699	3.097849	0.0041806	0.0140282	-2.71538

ZNF415	0.3887615	7.189228402	3.344193	0.0022091	0.0080021	-2.11188
ZNF30	0.3887361	7.158096584	4.97156	2.46E-05	0.0001585	2.247592
IDI1	0.388605	7.136968874	3.021896	0.0050705	0.0165395	-2.89675
CYP39A1	0.3880875	8.004154297	2.954077	0.0060144	0.0192307	-3.05666
SGCG	0.3880362	6.447029696	3.175321	0.0034273	0.0117419	-2.52802
RPL39L	0.3878777	8.750466646	2.518515	0.0172922	0.0473547	-4.03253
SELT	0.3866921	7.173263442	5.199859	1.29E-05	9.06E-05	2.884477
PRKAA1	0.3864223	8.111012067	3.534505	0.0013346	0.0051249	-1.63136
UBQLN1	0.3864108	8.878745318	3.256993	0.0027742	0.0097541	-2.32804
PNRC2	0.3859058	8.183652943	3.818482	0.0006198	0.0026217	-0.89489
NAPG	0.3857814	7.012977183	4.495762	9.45E-05	0.0005117	0.930346
TPM2	0.3851836	6.90014024	2.621672	0.0135572	0.0384843	-3.81001
CEBPG	0.3849883	10.0143314	2.327064	0.0268284	0.0689909	-4.42978
PAIP2	0.3847512	7.624876224	6.619483	2.38E-07	3.12E-06	6.828668
CTR9	0.3844149	6.506656761	6.047199	1.17E-06	1.17E-05	5.249356
EAF2	0.3842587	6.27542282	7.31081	3.62E-08	6.61E-07	8.698804
S1PR3	0.3839978	7.406437584	4.256823	0.0001847	0.0009228	0.277717
AFF4	0.3839558	7.461348256	2.235824	0.0328763	0.0821168	-4.61146
RAB18	0.3839086	7.936933236	3.10305	0.0041255	0.0138671	-2.70288
RCBTB2	0.3838623	6.616533531	6.033046	1.22E-06	1.21E-05	5.210034
ATG4C	0.3838387	6.737182365	4.91363	2.90E-05	0.0001824	2.086334
ATG5	0.3834363	7.467902479	3.943131	0.0004406	0.0019448	-0.56534
PALB2	0.3831999	7.884858469	4.190031	0.0002225	0.0010789	0.096759
C19orf53	0.3831054	10.56639699	2.509436	0.0176627	0.0482263	-4.05184
SFT2D1	0.3830855	10.64620486	3.70245	0.0008496	0.0034327	-1.19837
ARL1	0.3826605	10.03768228	3.53281	0.0013407	0.005146	-1.63569
ZNF684	0.3823377	6.326102831	4.107846	0.0002796	0.0013113	-0.12489
EFCAB11	0.381571	6.514023636	7.001762	8.35E-08	1.32E-06	7.868717
FANCL	0.3815173	6.512048399	6.447397	3.84E-07	4.58E-06	6.35626
FGFR1OP	0.3812161	6.777219901	4.069047	0.0003113	0.0014365	-0.2291
EIF4G2	0.3808203	10.97497939	2.365413	0.024602	0.0640723	-4.35192
MAP7	0.3801266	9.567372133	3.020062	0.0050941	0.0166024	-2.9011
IFIT3	0.3799974	6.369527022	4.342589	0.0001453	0.000748	0.511082
RBM17	0.3796395	9.611002135	3.269139	0.0026879	0.0094954	-2.29809
GJB2	0.3794172	11.41500861	2.156928	0.0390655	0.0953302	-4.76435
SP100	0.3792561	6.469529954	7.721036	1.21E-08	2.74E-07	9.784067
CALML4	0.3791697	7.381146469	6.784327	1.51E-07	2.14E-06	7.278828
TIGAR	0.3790265	7.180394556	3.956425	0.0004248	0.0018878	-0.52999
DNAJB6	0.3789298	9.848854488	2.88168	0.0072042	0.0224073	-3.22516
TCEA1	0.3788315	6.87623179	4.232785	0.0001975	0.0009765	0.212511
BRK1	0.3785726	11.05237795	4.125745	0.000266	0.0012538	-0.07671
NRIP1	0.37841	8.418084359	2.248519	0.0319672	0.080228	-4.58649
SECISBP2L	0.3782934	8.191395195	2.221268	0.0339473	0.0844764	-4.63996
EPS15	0.3781481	8.111379495	2.564957	0.0155065	0.0431033	-3.93306
STRA13	0.3780667	10.63704483	2.575369	0.0151303	0.042233	-3.9106
NAP1L5	0.3776008	7.364875551	3.264747	0.0027188	0.0095924	-2.30893
RPP38	0.3774603	6.70299837	6.164813	8.45E-07	8.81E-06	5.575719
ADD3	0.3769962	7.06072102	3.272415	0.002665	0.009426	-2.29
RDH14	0.3766611	9.329445276	4.053347	0.0003251	0.0014903	-0.2712
METTL14	0.3764118	6.964508601	3.592696	0.0011421	0.0044619	-1.48223
PPP2R5E	0.3757431	10.36578142	2.380614	0.023767	0.0622401	-4.32081
PSMB3	0.3753896	12.21094441	2.922435	0.0065096	0.0205764	-3.13059
RAP2C	0.3748414	7.969207278	3.568212	0.0012196	0.0047427	-1.5451
NCAPD3	0.3748174	7.575456893	5.575441	4.44E-06	3.61E-05	3.934229
IQCG	0.3746708	6.476613407	5.207548	1.26E-05	8.89E-05	2.905953
SNW1	0.3746688	7.151941923	5.251739	1.11E-05	8.00E-05	3.029417
PDHA1	0.3746562	8.831606485	4.992766	2.32E-05	0.0001504	2.306664
SESTD1	0.3744516	6.901511995	2.932536	0.0063475	0.020146	-3.10704
EIF2S1	0.3736612	8.175349095	3.148594	0.0036712	0.0124916	-2.59292

TASP1	0.3735606	7.253596867	3.736747	0.0007742	0.0031636	-1.10902
EFL1	0.3732768	7.252192587	4.795052	4.06E-05	0.0002443	1.756874
RAB8B	0.3732248	7.913291804	2.626687	0.0133963	0.0381053	-3.79905
MBLAC2	0.3732104	6.779248905	2.892116	0.00702	0.0219183	-3.20101
C9orf72	0.3731286	6.560555442	6.069191	1.10E-06	1.11E-05	5.310439
CCT6B	0.372754	7.102812305	3.810693	0.0006332	0.0026681	-0.91536
GABARAPL2	0.3725602	8.994570281	4.97039	2.47E-05	0.0001589	2.244333
SHOC2	0.3723661	7.748741884	2.802574	0.0087561	0.0264784	-3.40655
ECI2	0.3722967	7.391342237	6.015948	1.28E-06	1.26E-05	5.162513
CLNS1A	0.3721699	10.81618398	4.216434	0.0002067	0.0010137	0.168206
CSNK1G3	0.3719069	6.737693188	4.157729	0.0002434	0.0011628	0.009506
DCUN1D5	0.3719011	7.847721179	6.496135	3.35E-07	4.09E-06	6.490296
HIF1A	0.3715588	6.622649156	4.243181	0.0001919	0.0009517	0.240701
PFDN4	0.3715219	6.395778662	5.7027	3.10E-06	2.66E-05	4.28969
PSMC3	0.3714177	10.95052047	4.419923	0.000117	0.0006195	0.722389
SPCS1	0.3710429	12.03952685	3.665464	0.000939	0.0037514	-1.29439
CDCA2	0.3708521	6.630859983	4.440909	0.0001103	0.0005871	0.779863
RAB10	0.3708	12.53948693	2.142863	0.0402721	0.0979176	-4.79119
SNORD34	0.3703566	6.507947148	3.498183	0.0014704	0.0055858	-1.72395
FBXO5	0.3700093	6.571304504	5.650428	3.59E-06	3.03E-05	4.143725
TCF12	0.3700025	7.323801062	3.981515	0.0003964	0.0017789	-0.46318
PDGFC	0.3696707	7.219490466	2.291219	0.0290729	0.0739882	-4.50177
GPAM	0.3695164	6.72052848	3.56403	0.0012333	0.0047865	-1.55582
C9orf85	0.3695051	6.280312815	5.289997	9.98E-06	7.28E-05	3.136333
RRP36	0.3694538	10.13007521	4.704571	5.25E-05	0.0003044	1.50615
BEX3	0.3691137	8.813989203	3.730298	0.0007879	0.0032126	-1.12584
KPNA3	0.3683736	8.402354204	2.567504	0.0154137	0.0429129	-3.92757
WWP1	0.3680796	8.405180557	4.50713	9.16E-05	0.0004974	0.961577
RPL11	0.3675173	14.07353004	4.199176	0.0002169	0.0010549	0.121493
ACSL4	0.3672649	7.180056181	5.690272	3.21E-06	2.74E-05	4.254992
ANXA2P3	0.3667744	6.976539729	4.672065	5.75E-05	0.0003305	1.416236
CACYBP	0.3665441	7.438084319	7.208797	4.76E-08	8.27E-07	8.425936
PDCD6IP	0.3664452	7.12329444	3.011131	0.0052103	0.0169386	-2.92226
GMFG	0.3664439	6.643903003	3.663512	0.0009439	0.0037673	-1.29945
WDR11	0.3664179	7.251192421	3.973224	0.0004056	0.0018125	-0.48527
ABCD3	0.3664064	8.053039917	2.687023	0.0115939	0.0336143	-3.66615
CUL4B	0.3660303	7.078653589	4.73066	4.87E-05	0.0002859	1.578376
ZNF17	0.3659995	8.695751716	2.582458	0.014879	0.0416453	-3.89527
NT5DC1	0.3659918	7.396241424	4.219026	0.0002052	0.0010077	0.175228
SETX	0.3657151	7.16052051	3.871235	0.0005366	0.0023115	-0.75584
ZNF680	0.3656977	6.895698609	3.243982	0.0028696	0.0100549	-2.36006
HNRNPR	0.3655486	10.88426626	2.652245	0.0126032	0.0361515	-3.74298
ZNF45	0.3647367	7.283924564	3.66134	0.0009495	0.0037856	-1.30508
RPL13A	0.3645676	12.64539362	4.972623	2.46E-05	0.0001582	2.25055
RAB23	0.3644184	6.999475555	4.988819	2.35E-05	0.0001516	2.295665
RHOT1	0.3639439	8.304420152	2.952936	0.0060316	0.0192728	-3.05933
EXOC5	0.3638489	7.031718417	3.882038	0.000521	0.0022557	-0.72729
EIF2B1	0.363795	9.887419111	3.53581	0.00133	0.0051136	-1.62803
ACTR2	0.363741	11.46791535	2.099016	0.0442493	0.1058243	-4.87402
NAP1L1	0.3637079	7.43272311	4.740564	4.74E-05	0.000279	1.605808
TCEB2	0.3636395	10.11572654	2.254787	0.0315267	0.0793483	-4.57412
ZSCAN26	0.3633031	7.269968161	5.032763	2.07E-05	0.000136	2.418138
SSBP2	0.3632134	8.074393008	7.799292	9.86E-09	2.34E-07	9.988814
DHRS7B	0.362577	8.805791166	4.785681	4.17E-05	0.0002501	1.730879
PLEKHA1	0.3623271	11.00109968	2.356971	0.0250772	0.0651263	-4.36913
RABEPK	0.3623154	9.747514226	4.204026	0.000214	0.0010433	0.134615
MRPL19	0.3620115	6.643226286	3.443073	0.0017021	0.0063635	-1.86365
PPM1L	0.361907	7.843131983	3.5609	0.0012437	0.0048219	-1.56384
PSMB1	0.3617867	12.81105788	6.106671	9.94E-07	1.01E-05	5.414481

MRPL17	0.3616771	10.13600077	3.209948	0.0031342	0.0108489	-2.44354
KNSTRN	0.3610062	6.541774072	6.200351	7.65E-07	8.10E-06	5.674174
CD96	0.3606965	6.489101921	3.298529	0.0024896	0.0088708	-2.22541
BEX5	0.3606222	7.092867055	2.872341	0.0073729	0.0228585	-3.24672
NXT2	0.3603835	7.114065135	2.714434	0.0108521	0.0317587	-3.60516
GPR180	0.3599795	6.641614222	4.386735	0.0001284	0.0006717	0.631609
TBC1D3B	0.3599661	6.869393463	2.610785	0.0139129	0.0393154	-3.83376
MEF2A	0.3598975	6.939604893	2.321562	0.0271624	0.069748	-4.44088
SUMO1P3	0.3596742	6.842159279	4.809757	3.90E-05	0.0002362	1.79768
NDC80	0.3591765	6.265345196	4.081459	0.0003008	0.0013939	-0.19579
RAB28	0.3587779	7.048106174	6.913422	1.06E-07	1.60E-06	7.629612
NPAT	0.3584997	7.253430527	2.215541	0.0343772	0.0854038	-4.65114
AIG1	0.3583711	8.424203169	4.099676	0.000286	0.0013342	-0.14685
C1orf186	0.358256	6.102111528	4.476106	9.99E-05	0.0005375	0.876382
UBE3A	0.3582254	8.880550203	3.319699	0.0023555	0.0084475	-2.17286
GABPA	0.3581853	6.425847821	4.37016	0.0001345	0.0006987	0.586324
EIF1B	0.3580517	9.246438748	3.106175	0.0040927	0.0137687	-2.69536
PSTK	0.3580488	6.940803686	4.551663	8.08E-05	0.0004459	1.084062
THNSL1	0.3578047	7.045031069	3.35669	0.0021378	0.0077834	-2.08068
PDK3	0.35771	8.212284069	3.318971	0.00236	0.008462	-2.17467
SPPL2A	0.357555	9.182534705	3.750117	0.0007466	0.0030683	-1.0741
IFT52	0.3572761	7.361601888	4.064683	0.0003151	0.0014505	-0.24081
VPS13A	0.3571799	6.932348003	3.811257	0.0006322	0.0026647	-0.91388
HPRT1	0.3561175	9.194778187	3.013716	0.0051764	0.0168395	-2.91614
TRAPPC13	0.3560821	6.359303743	7.133425	5.84E-08	9.76E-07	8.223601
KIF2C	0.3560217	7.145712323	3.751711	0.0007434	0.0030576	-1.06994
OSBPL9	0.3559093	7.180844548	4.225269	0.0002017	0.0009922	0.192141
SNAPC5	0.3558543	6.685033703	4.748225	4.64E-05	0.0002736	1.627034
TTC3	0.3557158	8.112836968	4.663819	5.89E-05	0.0003372	1.393443
SNAP23	0.3556639	6.814880784	4.886077	3.14E-05	0.0001953	2.009701
ZFP36L2	0.355279	8.017926811	2.075936	0.0464797	0.1103423	-4.91711
LGALS8	0.3548795	7.350903697	5.127145	1.58E-05	0.0001079	2.681434
GIGYF2	0.3542481	8.786165353	3.189323	0.0033057	0.0113817	-2.49391
WASF3	0.3541744	6.837621273	3.228311	0.0029886	0.0104047	-2.39855
DNAJC3	0.3541231	6.388886441	3.913971	0.0004773	0.0020903	-0.64274
KYAT3	0.3540094	7.576005124	5.482759	5.78E-06	4.54E-05	3.675185
DNAJC21	0.3535585	6.521453159	5.850966	2.04E-06	1.87E-05	4.703283
RCAN1	0.3534453	7.602654016	3.388002	0.0019687	0.0072422	-2.0023
PRIMPOL	0.3531931	6.651654815	4.484632	9.75E-05	0.0005266	0.899784
HSPA9	0.3531584	8.296215613	4.858015	3.40E-05	0.0002086	1.931701
WAPL	0.3530728	8.34834172	2.056077	0.0484776	0.1143023	-4.9539
MYH15	0.3528619	6.378343949	3.177512	0.003408	0.0116943	-2.52269
UGP2	0.3525038	7.57007587	5.5976	4.17E-06	3.44E-05	3.996146
KIAA1429	0.3522201	7.650966707	3.073633	0.0044468	0.0147986	-2.77346
FIG4	0.3520745	7.839197449	4.042307	0.0003352	0.0015329	-0.30077
THUMPD1	0.3519211	7.449785931	2.563472	0.0155609	0.0432297	-3.93626
KLHL2	0.3509898	6.629261611	3.571036	0.0012104	0.0047079	-1.53785
SSR1	0.3509135	10.59600889	2.809135	0.0086163	0.0261249	-3.39162
C14orf37	0.3504512	6.676580119	3.455411	0.0016473	0.0061879	-1.83246
C4orf32	0.3502879	6.905427404	3.424951	0.0017857	0.0066346	-1.90938
ANGEL2	0.3502843	9.280909577	3.116024	0.0039909	0.0134543	-2.67164
RPL36A	0.3501853	6.455740653	4.759871	4.49E-05	0.000266	1.659311
RPL38	0.3501125	14.5159308	4.230295	0.0001989	0.000982	0.205761
CYYR1	0.3498295	6.628989057	3.079321	0.0043829	0.0146234	-2.75984
C6orf120	0.3495403	6.590178178	2.860503	0.0075921	0.0234426	-3.274
REV3L	0.3492216	6.336344618	5.358994	8.21E-06	6.14E-05	3.329191
TMEM57	0.3491589	7.040196017	3.358651	0.0021268	0.0077503	-2.07578
PHAX	0.3491313	7.812215146	3.16024	0.0035629	0.0121744	-2.56468
TRMT1L	0.3490696	6.501267099	5.206392	1.27E-05	8.91E-05	2.902724

WDR27	0.348842	6.816196032	4.321158	0.0001543	0.0007882	0.452669
TTC8	0.3485551	6.967346111	5.728338	2.88E-06	2.51E-05	4.361257
LRRFIP2	0.3485143	8.084362397	3.018351	0.0051162	0.0166659	-2.90515
DOCK1	0.3483391	8.249881305	3.242657	0.0028795	0.0100804	-2.36332
OSBPL11	0.3481153	6.719490225	2.829684	0.0081919	0.0250141	-3.34471
TMEM256	0.3480076	11.74649844	2.518658	0.0172864	0.0473456	-4.03223
UTP18	0.34755	8.162917325	3.608791	0.0010938	0.0042974	-1.44081
C21orf91	0.3474309	7.404245918	4.625857	6.55E-05	0.0003703	1.288589
MYNN	0.3473325	6.823165066	6.506356	3.26E-07	4.01E-06	6.518384
MRRF	0.346809	8.128384776	5.524188	5.14E-06	4.09E-05	3.790989
LSM14A	0.3461974	11.06863007	2.668229	0.0121296	0.0349428	-3.70775
GRAMD1C	0.3461393	6.458707209	2.741117	0.0101726	0.0300228	-3.54543
NARS2	0.3460073	7.789395894	4.874263	3.25E-05	0.0002008	1.976857
RIOK1	0.3458914	7.049328985	4.531994	8.54E-05	0.0004681	1.029936
DCAF17	0.3458001	6.432381609	4.363767	0.000137	0.0007102	0.56887
ZDHHC13	0.345697	7.827405713	4.255162	0.0001856	0.0009259	0.27321
RUFY3	0.3454983	7.193753086	4.205863	0.0002129	0.001039	0.139588
TMEM168	0.3454848	7.445747856	2.468445	0.019428	0.0523466	-4.13845
GATB	0.3453031	8.573978526	3.183899	0.0033523	0.0115258	-2.50713
GMPS	0.3448126	10.03565674	3.826346	0.0006067	0.0025738	-0.8742
SRSF1	0.3448037	10.82429305	2.683057	0.0117051	0.0339059	-3.67494
RGS10	0.3445494	7.270651362	3.989288	0.000388	0.0017465	-0.44245
KIF23	0.3443631	6.274898249	5.951918	1.54E-06	1.46E-05	4.984429
TATDN3	0.3439412	7.853229083	3.335682	0.002259	0.0081478	-2.13309
IL20RA	0.3436807	8.331966583	2.614711	0.0137836	0.039007	-3.8252
UBE2A	0.3436365	10.08811897	3.907728	0.0004856	0.0021195	-0.65928
RP2	0.3436005	6.904569014	2.548837	0.0161061	0.0445493	-3.96772
LOC101927635	0.343497	6.297845661	7.304745	3.68E-08	6.69E-07	8.682614
GLIPR1	0.3434765	6.597081195	3.02662	0.0050103	0.0163678	-2.88554
RAB2A	0.3432216	8.335933604	4.887489	3.13E-05	0.0001946	2.013627
METTL23	0.3429053	7.247388218	6.466916	3.64E-07	4.39E-06	6.409963
NUDT5	0.3429034	7.212051562	7.690084	1.32E-08	2.93E-07	9.702878
ANKRD10	0.3428143	7.279944914	3.799479	0.0006528	0.0027375	-0.94481
SMIM8	0.3426293	7.002590726	4.757768	4.51E-05	0.0002672	1.653482
MED28	0.3424183	9.21782751	4.130427	0.0002626	0.0012407	-0.0641
PTP4A1	0.3422329	7.017534321	2.451487	0.0202046	0.0541533	-4.174
FEZ2	0.3422138	9.609058308	3.502292	0.0014544	0.0055294	-1.71349
RPL10A	0.3419328	13.388326	2.738244	0.0102438	0.030187	-3.55188
KLHL7	0.341722	7.1623029	4.917022	2.88E-05	0.0001809	2.095771
THAP6	0.3417131	6.998270497	3.460914	0.0016235	0.0061041	-1.81853
PIK3CA	0.3416709	6.388960779	2.662823	0.0122879	0.0353254	-3.71968
LYPD6B	0.3416583	10.52036653	3.99442	0.0003825	0.0017236	-0.42876
DOCK8	0.3414966	6.664563017	3.401235	0.0019012	0.0070151	-1.96907
PDS5B	0.3413935	7.047870289	3.779654	0.000689	0.0028582	-0.99681
E2F7	0.3413027	6.61999675	4.418134	0.0001176	0.0006224	0.71749
HIST1H2AC	0.3412752	7.43115467	2.52405	0.0170699	0.0468317	-4.02074
MGST2	0.3412225	11.98257185	4.110545	0.0002775	0.0013034	-0.11763
RPS26P11	0.3412088	9.447093543	2.084284	0.0456617	0.1086797	-4.90157
CHCHD7	0.3411881	7.480517497	4.173276	0.0002331	0.0011223	0.051478
FAM13B	0.3409824	8.122398385	3.644586	0.0009933	0.0039411	-1.34843
AMZ2	0.3407019	8.367634752	6.726153	1.78E-07	2.45E-06	7.120245
XRCC5	0.339884	9.166297325	3.356597	0.0021383	0.0077835	-2.08091
SUPT16H	0.3398792	10.48575109	3.458996	0.0016318	0.0061329	-1.82338
ZNF204P	0.3398287	6.021999539	5.130309	1.57E-05	0.0001072	2.690265
NIPSNAP3A	0.339672	6.777788863	4.504835	9.22E-05	0.0005005	0.955273
ATP1B3	0.3396619	8.926210144	5.061339	1.91E-05	0.0001266	2.497821
TRMT10A	0.3393443	6.789946691	4.487032	9.69E-05	0.0005233	0.906373
CLIC4	0.3390965	7.383051217	3.176704	0.0034151	0.0117125	-2.52465
ZFX	0.3389591	6.695491223	2.370496	0.0243199	0.0634482	-4.34153

SESN3	0.3388489	6.638893526	3.444615	0.0016952	0.0063417	-1.85975
TM9SF3	0.3388217	8.877087146	2.426932	0.0213794	0.0568468	-4.22519
HNRNPK	0.338628	9.115093436	3.437109	0.0017292	0.0064542	-1.87871
SCAF11	0.3381482	6.588705535	4.320358	0.0001547	0.0007895	0.450491
TAF1L	0.3381058	6.899178278	2.770333	0.0094744	0.0282361	-3.47964
RFWD2	0.3375959	8.887322838	4.473904	0.0001005	0.0005407	0.87034
NEK11	0.3369948	6.516273031	5.485898	5.73E-06	4.50E-05	3.683959
IGBP1	0.3369611	9.858275245	3.354803	0.0021484	0.0078144	-2.0854
INO80C	0.3368904	9.468295018	4.152224	0.0002472	0.0011784	-0.00535
MACF1	0.3367578	8.478967938	2.336175	0.0262835	0.0678053	-4.41136
ASCC3	0.3357399	6.829054703	3.783961	0.000681	0.0028291	-0.98552
SKAP2	0.3352897	7.298651063	2.669121	0.0121037	0.0348837	-3.70578
ANKDD1A	0.335062	6.873836649	4.018657	0.0003578	0.0016264	-0.36404
XRN2	0.3349943	7.129050206	4.058325	0.0003207	0.0014713	-0.25786
KCTD18	0.3349517	7.183833814	2.865806	0.0074932	0.0231832	-3.26179
ECM2	0.3347521	6.571079167	4.330964	0.0001501	0.0007691	0.479388
INTU	0.3344805	6.550774453	2.664849	0.0122283	0.0351907	-3.71521
C1orf54	0.334043	7.897498005	3.231537	0.0029637	0.0103382	-2.39063
PLEKHH2	0.3340062	6.452720196	2.921635	0.0065226	0.0206032	-3.13245
FANCI	0.3339362	6.452320262	3.536179	0.0013287	0.0051106	-1.62709
ARAP2	0.333821	7.80547232	3.578263	0.0011872	0.0046222	-1.51931
P2RY1	0.3337702	7.804268647	3.338494	0.0022424	0.0081	-2.12609
FER	0.3335884	7.578654722	3.186108	0.0033333	0.0114623	-2.50175
RTP4	0.3335813	6.523597302	4.28882	0.0001689	0.0008518	0.364654
THUMPD3	0.333562	6.810834416	4.691658	5.44E-05	0.0003145	1.47042
CBX5	0.333446	7.655126021	4.522664	8.77E-05	0.0004794	1.004278
LHFP	0.333394	6.961085321	3.17621	0.0034194	0.0117223	-2.52586
ZNF260	0.3330141	8.055316293	2.83556	0.0080742	0.0247014	-3.33127
MMP12	0.332712	6.02863923	4.151784	0.0002475	0.001179	-0.00653
RUNDC3B	0.3324266	6.765840002	2.190718	0.0362974	0.0895552	-4.69936
MSANTD4	0.3324134	7.971131557	3.886431	0.0005148	0.0022326	-0.71567
HELLS	0.3324067	6.34157755	5.910883	1.72E-06	1.62E-05	4.870199
CGGBP1	0.3320888	8.260542714	4.864574	3.34E-05	0.0002054	1.949927
MANF	0.3317787	11.24617679	3.95426	0.0004273	0.0018952	-0.53575
RMND1	0.3317127	7.017816784	4.245386	0.0001907	0.0009473	0.24668
SPARCL1	0.3316671	6.214126777	4.071699	0.000309	0.0014277	-0.22199
DEFB103B	0.331556	6.510966994	3.291784	0.0025338	0.0090119	-2.24211
SCO1	0.3314734	9.245693608	4.944001	2.66E-05	0.0001696	2.170856
TRIM24	0.3313867	6.712847717	3.789914	0.00067	0.002792	-0.96991
ST13	0.3308341	9.878293161	3.347093	0.0021923	0.0079506	-2.10464
MTA3	0.3305843	9.272968197	5.152098	1.48E-05	0.0001017	2.751095
ANO6	0.330582	8.044795044	2.626245	0.0134104	0.0381231	-3.80001
ATG4A	0.3305604	6.888285504	5.525367	5.12E-06	4.08E-05	3.794284
DNAJC15	0.3305395	8.886202548	2.14718	0.0398983	0.0971304	-4.78297
DEPTOR	0.3304675	7.667960876	5.130133	1.57E-05	0.0001072	2.689774
PECR	0.3303727	6.998932304	3.517189	0.0013978	0.0053373	-1.67555
COG3	0.3302715	7.019887355	3.526329	0.0013641	0.0052261	-1.65224
LPIN1	0.3295601	8.074997473	2.774696	0.0093741	0.0279982	-3.46978
STAG2	0.3294449	7.206514384	5.170629	1.40E-05	9.72E-05	2.802839
ZBED2	0.3294322	7.985911776	2.042351	0.0499024	0.117277	-4.97918
ZNF224	0.3292459	6.587672218	2.927554	0.006427	0.020358	-3.11866
SULT1E1	0.3291635	6.280926832	3.560185	0.0012461	0.004828	-1.56567
TMEM41B	0.3289981	9.550432053	2.48724	0.0185994	0.050408	-4.09885
GNPTG	0.3282194	9.883626796	4.444103	0.0001093	0.0005829	0.788615
SRI	0.328132	7.381122552	4.323178	0.0001534	0.0007848	0.458172
RPS6KC1	0.3280023	6.909161985	3.377007	0.0020266	0.0074255	-2.02986
CEP290	0.3278312	6.225022782	4.860065	3.38E-05	0.0002076	1.937398
INTS6	0.3275061	7.881804155	2.573324	0.0152035	0.0424129	-3.91501
AHCYL2	0.3273315	8.339717457	3.045623	0.0047748	0.015699	-2.84035

POLR2K	0.3270937	6.683230999	5.101745	1.70E-05	0.0001146	2.610543
DDX43	0.3270848	6.394625311	3.928808	0.0004583	0.0020151	-0.60337
NUP133	0.3270735	9.145809246	2.596704	0.0143856	0.0404042	-3.86439
ERCC8	0.3269992	6.229224307	7.635302	1.52E-08	3.30E-07	9.558897
FAM210A	0.3269854	6.625830618	3.484844	0.0015235	0.0057684	-1.75785
BRCA1	0.3266233	6.321569627	4.442198	0.0001099	0.0005856	0.783397
PSMC5	0.3264412	10.83476423	2.788734	0.009058	0.0272216	-3.43799
CCDC50	0.326441	6.963533916	6.738146	1.72E-07	2.39E-06	7.152963
KLRB1	0.3263995	6.270400176	2.590912	0.0145843	0.0409269	-3.87696
UBA5	0.326362	6.760297716	5.429633	6.72E-06	5.18E-05	3.526669
PHF14	0.3261745	6.445695963	3.63828	0.0010104	0.0040012	-1.36473
HESX1	0.3260916	6.218169158	4.16652	0.0002375	0.0011389	0.033235
HP1BP3	0.3260217	6.775898026	4.632067	6.44E-05	0.0003648	1.305732
TTF1	0.3258859	6.819664602	5.600567	4.14E-06	3.41E-05	4.004436
PGK1	0.3255576	10.27491972	4.359777	0.0001385	0.0007168	0.557977
CENPA	0.325513	7.374272114	3.79892	0.0006538	0.0027396	-0.94628
PPP2R5A	0.3252039	9.930203043	2.812315	0.0085493	0.0259543	-3.38437
RNF219	0.3251874	7.102934335	4.298834	0.0001642	0.0008328	0.391892
UQCR10	0.3251791	8.596937195	2.885188	0.0071418	0.0222449	-3.21705
PCGF5	0.3246783	6.491099206	3.847393	0.0005728	0.0024466	-0.81876
TFDP1	0.3243898	10.67350159	3.35127	0.0021684	0.0078784	-2.09422
NEK2	0.324363	6.465977898	5.57944	4.39E-06	3.58E-05	3.945403
RNFT1	0.3242777	6.74314346	4.017571	0.0003589	0.0016298	-0.36694
LINC01451	0.3242569	8.903583143	2.072865	0.0467837	0.1109173	-4.92282
NEK7	0.3242369	6.343256467	4.828714	3.69E-05	0.0002247	1.850308
IQCB1	0.3241926	6.958173974	5.151571	1.48E-05	0.0001018	2.749624
ZNF106	0.3241439	9.031079718	2.596604	0.014389	0.0404079	-3.86461
COIL	0.3236063	9.283576078	3.384877	0.001985	0.0072897	-2.01013
FAF1	0.3235956	7.868412888	2.640594	0.0129592	0.0370193	-3.76858
ELF2	0.3232806	7.610017778	3.758083	0.0007306	0.0030102	-1.05328
ACSM3	0.3232712	6.419755789	6.348392	5.06E-07	5.75E-06	6.083426
TSHZ2	0.3230485	7.496196598	3.278787	0.0026212	0.0092851	-2.27426
GNAI1	0.3229701	7.330380825	2.720897	0.0106837	0.0313216	-3.59073
MS4A6A	0.3229275	6.247219564	3.881762	0.0005214	0.0022563	-0.72802
RSPH3	0.3228202	8.177681458	3.666826	0.0009355	0.0037407	-1.29086
SNRNP48	0.3227834	6.841418712	4.01836	0.0003581	0.0016274	-0.36483
GOPC	0.3225675	7.271378615	3.377827	0.0020222	0.0074109	-2.0278
FBXO28	0.3221989	9.242357208	2.158944	0.0388952	0.0950223	-4.7605
SEC11A	0.322137	11.25302525	4.594472	7.16E-05	0.0004008	1.202002
MEIOB	0.322125	6.718179873	2.178519	0.0372759	0.0915619	-4.72291
SPATA5L1	0.3220678	8.328452999	2.336823	0.0262452	0.0677154	-4.41005
C11orf57	0.321741	7.852402746	4.227021	0.0002007	0.0009888	0.196889
GPX7	0.3217123	7.834963583	2.113145	0.0429313	0.1031935	-4.84747
ZNF451	0.3216525	6.967653057	4.252422	0.000187	0.0009318	0.265772
HEXB	0.3215081	10.88255422	3.870689	0.0005374	0.0023139	-0.75728
UTP23	0.3215019	6.824604362	6.368653	4.78E-07	5.47E-06	6.139318
CEP57	0.3214748	6.509650013	5.242631	1.14E-05	8.17E-05	3.003967
SNORD68	0.3214452	8.222955679	2.260163	0.0311533	0.078551	-4.5635
CNOT9	0.3209198	7.708433824	3.299635	0.0024824	0.0088504	-2.22266
SFR1	0.3206729	6.717337903	5.449854	6.34E-06	4.92E-05	3.5832
MTMR9	0.3206595	8.293466042	2.997042	0.0053988	0.0174666	-2.95558
ZNF484	0.3204385	6.678703637	5.966083	1.48E-06	1.41E-05	5.023842
FAM98A	0.3201562	8.746083966	2.089709	0.045137	0.1076422	-4.89144
AGTPBP1	0.3200849	6.96872624	4.386707	0.0001284	0.0006717	0.631533
CROT	0.3199394	8.98627525	3.181311	0.0033747	0.0115947	-2.51344
MEIS1	0.3196264	7.576617151	2.997688	0.0053901	0.0174469	-2.95405
PMS1	0.3195801	6.067096557	5.192011	1.32E-05	9.23E-05	2.862554
PPP6R3	0.3192152	9.218190756	2.832044	0.0081445	0.0248849	-3.33932
DAD1	0.3190106	11.9603752	2.999513	0.0053653	0.0173813	-2.94974

TOPORS	0.3189476	6.777867885	3.869037	0.0005399	0.0023213	-0.76165
GBP4	0.3189065	6.501122378	3.678024	0.0009076	0.003642	-1.26183
TMEM60	0.3188507	10.20134861	3.534783	0.0013336	0.0051236	-1.63065
SNX24	0.3182295	6.841033054	3.270425	0.0026789	0.0094689	-2.29492
ARFGEF1	0.3176949	7.482936354	2.822601	0.0083359	0.0253779	-3.3609
PRPS2	0.3174373	8.703911305	4.623972	6.59E-05	0.0003719	1.283386
MGST3	0.3174326	11.62714939	2.184734	0.0367745	0.090571	-4.71092
LYSMD2	0.3173536	8.577041055	3.112181	0.0040303	0.0135754	-2.6809
AK6	0.3172943	6.394669582	4.243532	0.0001917	0.0009511	0.241653
ZNF75D	0.3172924	6.797445269	3.551547	0.0012752	0.0049235	-1.58779
ZNF654	0.3169955	6.781285091	2.696327	0.011337	0.0329462	-3.64549
FAM8A1	0.316965	7.529075993	2.309746	0.0278924	0.0713771	-4.46466
ATMIN	0.3166324	7.451366375	2.315039	0.0275633	0.0706279	-4.45402
GMCL1	0.3165907	7.603885184	2.589986	0.0146163	0.0410048	-3.87896
TRIM33	0.3164008	7.870307609	2.827112	0.008244	0.0251571	-3.3506
C6orf62	0.3163537	7.602904487	3.724968	0.0007994	0.0032533	-1.13974
OSGEPL1	0.3163096	6.761784245	5.573177	4.47E-06	3.63E-05	3.927901
MAMDC2	0.3161475	6.443340133	3.598344	0.0011249	0.0044072	-1.4677
OSTM1	0.3159507	7.05588821	3.241325	0.0028894	0.0101062	-2.36659
MRPS6	0.3157264	11.59215844	2.805553	0.0086924	0.0263185	-3.39977
APOBEC3G	0.3157192	6.365897068	4.511506	9.04E-05	0.0004922	0.973605
SUPT20H	0.3156241	6.657468096	5.984004	1.40E-06	1.36E-05	5.073693
CPNE8	0.3155543	6.717101471	2.942394	0.006193	0.019733	-3.08401
DESI2	0.3151755	8.992359483	2.820093	0.0083875	0.0255109	-3.36663
TWF1	0.3149966	6.459145196	5.400224	7.30E-06	5.55E-05	3.444452
GTF2H1	0.3149087	6.630100896	3.094195	0.0042198	0.014145	-2.72416
CBR1	0.3147356	9.17171594	3.038253	0.0048649	0.0159599	-2.85789
RAB38	0.3146149	10.99481283	4.159906	0.0002419	0.0011566	0.01538
GLA	0.3138998	9.242729817	3.721824	0.0008062	0.0032777	-1.14793
ZFP2	0.3138571	6.554933721	4.693717	5.41E-05	0.0003127	1.476115
ARMCX5	0.3135248	7.508022483	3.093864	0.0042234	0.0141545	-2.72496
LDHB	0.3134948	8.005116917	2.088274	0.0452753	0.1079454	-4.89412
NCBP2	0.3134458	7.309101951	5.589544	4.27E-06	3.50E-05	3.973636
ELP4	0.3132718	8.009955037	3.691176	0.0008759	0.0035258	-1.22768
EIF2S3	0.3132008	11.07167365	2.534484	0.0166579	0.045883	-3.99846
STK17B	0.3123324	6.700613436	2.750779	0.0099366	0.0294246	-3.52372
HNRNP42	0.3122894	7.202758698	3.156258	0.0035996	0.0122803	-2.57434
NOD1	0.3122581	7.485463181	2.987563	0.0055293	0.0178559	-2.97795
ZBED8	0.3121507	6.664745708	2.622577	0.0135281	0.038407	-3.80803
SEMA3C	0.3118443	6.688828377	2.267201	0.0306704	0.0774879	-4.54956
PLA2G4A	0.3116283	6.32535832	3.613867	0.001079	0.0042443	-1.42773
SPAST	0.3115368	6.69649056	3.735616	0.0007766	0.003172	-1.11197
RBMX	0.3115347	9.816884165	3.362312	0.0021064	0.0076847	-2.06663
SLC16A14	0.3112967	7.80336825	3.041591	0.0048239	0.0158409	-2.84995
SNX5	0.3111293	7.640852749	5.187073	1.34E-05	9.33E-05	2.848763
OPA1	0.3109363	7.074652963	3.576522	0.0011927	0.004642	-1.52378
NME7	0.3108237	6.955648105	5.722012	2.94E-06	2.55E-05	4.343599
C3orf38	0.3107101	7.777199494	3.209075	0.0031413	0.0108676	-2.44567
AP4B1	0.3103789	8.661931907	3.789364	0.000671	0.0027956	-0.97136
KIF14	0.3103607	6.730707309	4.385699	0.0001288	0.0006734	0.628778
SPATS2L	0.3103037	9.171874479	3.811242	0.0006322	0.0026647	-0.91392
SPATA7	0.3102051	6.774235768	5.287746	1.00E-05	7.32E-05	3.130042
NMT2	0.3100108	8.075540044	3.472974	0.0015723	0.005929	-1.78797
RRM2	0.3099407	6.402567912	3.576191	0.0011938	0.0046452	-1.52463
LYRM7	0.3098338	6.598588906	3.19441	0.0032626	0.0112472	-2.4815
TUBD1	0.3097665	6.815566129	3.222202	0.0030363	0.0105478	-2.41353
CTSC	0.3096658	7.49951616	3.43984	0.0017167	0.0064138	-1.87182
TNFAIP8	0.3092063	6.951332993	3.448254	0.0016789	0.0062906	-1.85056
ARMT1	0.3091588	6.395857576	5.421267	6.88E-06	5.28E-05	3.503281

P3H2	0.3091128	9.995368901	2.27473	0.0301613	0.0763507	-4.53462
HCFC2	0.3089526	6.326167755	4.081001	0.0003011	0.001395	-0.19702
SRSF3	0.3087406	7.663659928	3.876491	0.000529	0.002283	-0.74195
DUSP11	0.3087364	8.375028933	4.253027	0.0001867	0.0009307	0.267414
METTL4	0.308711	7.091852689	3.980348	0.0003977	0.0017834	-0.46629
DOCK7	0.3086736	7.041309068	3.814889	0.000626	0.0026434	-0.90433
ORC4	0.3086566	6.508542196	4.412975	0.0001193	0.0006304	0.70337
PKP2	0.3085942	6.461283159	3.493203	0.00149	0.0056515	-1.73661
RAB6A	0.3079297	7.659431516	2.918739	0.0065699	0.0207366	-3.1392
GFPT1	0.3076294	7.638019302	3.325226	0.0023217	0.0083523	-2.15912
GPC4	0.3075293	6.867218405	2.388306	0.0233544	0.0612833	-4.30502
DCP2	0.3075206	8.311967486	2.402828	0.0225932	0.0595923	-4.27511
PHF21A	0.3074853	9.559343462	2.406542	0.0224021	0.0591608	-4.26744
GTF2IRD2	0.3074739	7.288616052	3.774223	0.0006993	0.0028964	-1.01104
UXT	0.3074158	9.042313102	3.177846	0.003405	0.0116884	-2.52187
DFNA5	0.3073673	6.483951875	2.922146	0.0065143	0.0205853	-3.13126
PSMD4	0.3072295	11.03961144	3.526831	0.0013623	0.0052201	-1.65096
VTI1B	0.306883	7.02282211	4.565936	7.76E-05	0.0004301	1.123364
VPS54	0.3067366	6.944076868	2.983487	0.0055863	0.018019	-2.98756
IL6ST	0.3066761	6.703596842	2.939771	0.0062337	0.0198336	-3.09014
TTC33	0.3064705	6.590054464	2.486005	0.0186528	0.0505458	-4.10146
VKORC1L1	0.3063131	8.597913695	3.357831	0.0021314	0.0077626	-2.07783
RALA	0.3062323	11.55770119	2.460773	0.0197759	0.0531585	-4.15455
CHORDC1	0.3060478	6.291909257	3.679895	0.0009031	0.0036267	-1.25697
MARK3	0.3060457	7.284525219	3.644245	0.0009943	0.0039439	-1.34932
CBX3	0.3059718	7.111612248	4.318212	0.0001556	0.0007933	0.444644
TCERG1	0.3058614	6.968364484	5.520617	5.19E-06	4.12E-05	3.781007
PRKAR1A	0.3057528	8.72748569	2.346181	0.0256967	0.0665479	-4.39108
MED10	0.3055356	10.10199287	4.133511	0.0002603	0.0012316	-0.0558
CCZ1B	0.3055288	7.408129761	2.700206	0.0112314	0.0327	-3.63686
ZNF20	0.3052713	7.804369853	3.068174	0.004509	0.014967	-2.78652
SNX16	0.3051665	7.198382663	3.03951	0.0048494	0.0159145	-2.8549
PSTPIP2	0.3049699	7.842219051	2.325534	0.0269209	0.0691921	-4.43287
TMEM135	0.3048589	6.782359637	2.638013	0.0130393	0.0371934	-3.77424
GPATCH2	0.3046034	6.790332902	4.079672	0.0003023	0.0013992	-0.20059
TROVE2	0.3039283	8.464313491	2.480966	0.0188723	0.0510835	-4.11209
ECHDC1	0.3038527	6.410663008	3.822682	0.0006128	0.0025946	-0.88384
PPP1CB	0.3037226	8.309230844	2.770403	0.0094728	0.0282361	-3.47948
ESCO1	0.3036316	6.466662416	3.825949	0.0006073	0.0025755	-0.87525
SIPA1L2	0.303452	8.529525323	2.198569	0.03568	0.0882225	-4.68415
SLC25A12	0.3034389	8.620726023	2.943104	0.006182	0.0197037	-3.08235
FAM49B	0.3032693	6.506720607	3.593483	0.0011397	0.0044543	-1.48021
PPFIA1	0.3030389	7.559672963	2.659268	0.012393	0.0356013	-3.72752
CCDC43	0.3030251	7.051831162	5.02448	2.12E-05	0.0001388	2.395046
COP2	0.3027236	6.263502993	4.403838	0.0001224	0.0006451	0.678371
GCA	0.3024541	8.279502693	2.924628	0.0064741	0.0204708	-3.12548
NDUFS3	0.3021254	11.7623626	3.632378	0.0010265	0.0040554	-1.37998
MRPS10	0.302114	10.32173599	3.743947	0.0007592	0.0031102	-1.09022
BEND6	0.3020575	5.931118686	3.517179	0.0013978	0.0053373	-1.67558
PKD2	0.302037	6.968955004	5.165777	1.42E-05	9.84E-05	2.789291
DHX40	0.3018018	8.208906079	3.359864	0.00212	0.00773	-2.07275
MAPRE2	0.3017277	10.52534951	2.30115	0.0284346	0.0725732	-4.4819
IMPACT	0.301689	6.483071797	4.355428	0.0001402	0.0007241	0.546109
SPRED2	0.3016027	7.689264187	2.831266	0.0081601	0.0249286	-3.3411
SLC35G2	0.3013015	6.491674226	5.164709	1.42E-05	9.87E-05	2.786309
NUDT6	0.3011833	6.441935206	6.810479	1.41E-07	2.02E-06	7.350017
UBA2	0.3009919	6.38156548	5.188838	1.33E-05	9.29E-05	2.853693
KARS	0.3009575	9.216880795	3.622492	0.0010542	0.0041546	-1.40549
RBM41	0.3009366	6.415742662	6.604998	2.48E-07	3.22E-06	6.789

ANXA7	0.3006514	8.655142427	4.714739	5.10E-05	0.0002972	1.534292
NAA16	0.3004163	6.596580759	4.138651	0.0002567	0.0012168	-0.04194
HIST1H1C	0.300334	7.691262196	2.461107	0.0197606	0.0531247	-4.15385
KIAA0753	0.299908	6.458159682	4.247156	0.0001897	0.0009436	0.251484
LIN54	0.2996718	7.895502479	2.322014	0.0271348	0.0696864	-4.43997
PPP1R14A	0.2993111	6.877080581	2.387561	0.0233941	0.0613482	-4.30655
RPL22	0.2990056	12.13644645	2.947582	0.0061131	0.0195073	-3.07187
HADHB	0.2988977	8.678455579	3.808249	0.0006374	0.0026842	-0.92178
C5orf24	0.2988477	6.920950238	2.241441	0.0324712	0.0812932	-4.60042
CCDC6	0.2984565	11.71263326	2.129847	0.0414182	0.100127	-4.81591
GATA2	0.2983955	6.083451368	4.512453	9.02E-05	0.0004911	0.976207
ZNF181	0.2983712	6.104261668	4.668558	5.81E-05	0.0003334	1.406542
C17orf80	0.2980453	6.587263949	2.875891	0.0073083	0.0226946	-3.23853
DCK	0.2977238	7.37036538	3.194622	0.0032608	0.0112431	-2.48098
MED8	0.2974019	8.220162655	4.665668	5.86E-05	0.0003358	1.398553
CCDC126	0.2973869	7.119778893	2.079546	0.0461243	0.1096072	-4.9104
STRAP	0.2973239	9.679200932	2.650664	0.012651	0.0362563	-3.74646
UCN2	0.2972731	7.308790471	2.858731	0.0076255	0.0235101	-3.27808
B3GNT5	0.2969628	6.405628077	2.116974	0.0425801	0.1024382	-4.84025
DCN	0.2965849	8.186116262	2.663409	0.0122706	0.0352862	-3.71838
TTC39B	0.2964128	6.948555877	3.294658	0.0025149	0.0089527	-2.235
DENND2D	0.2961244	8.838118655	2.288929	0.0292219	0.0742992	-4.50634
MRPL11	0.2959668	8.592083349	2.260967	0.0310977	0.078428	-4.56191
DHX9	0.2958776	7.391101383	2.86544	0.0075	0.0231968	-3.26263
SNORD36A	0.2948095	6.333039834	2.661906	0.0123149	0.0353874	-3.7217
ECD	0.2947676	7.459021459	3.85546	0.0005603	0.0023991	-0.79749
NUMB	0.2945999	9.590350048	3.071396	0.0044722	0.0148678	-2.77881
TSPAN13	0.2944634	7.506741797	2.66829	0.0121278	0.0349428	-3.70761
RPS27	0.2941974	14.4573635	3.335759	0.0022585	0.0081476	-2.1329
IFRD1	0.2941881	6.696065213	2.061248	0.0479501	0.1132521	-4.94435
NDUFA13	0.2938435	11.1531139	2.307452	0.0280362	0.0716695	-4.46927
CPE	0.2937924	6.910602045	2.37232	0.0242194	0.063254	-4.3378
TAF5	0.2936984	7.570668674	2.651649	0.0126212	0.0361864	-3.74429
RWDD2A	0.2936809	7.110268916	3.881962	0.0005211	0.0022557	-0.72749
ZC3H8	0.2933842	6.982405108	4.450831	0.0001073	0.000573	0.807056
MTHFS	0.2932107	6.735051209	4.09908	0.0002864	0.0013358	-0.14846
TIMM8A	0.2929922	7.036781756	3.515247	0.001405	0.0053617	-1.6805
N6AMT1	0.2924828	6.819783698	5.992131	1.37E-06	1.34E-05	5.096296
DSN1	0.2924032	7.56274696	3.344107	0.0022096	0.0080024	-2.11209
ZFYVE16	0.2923349	6.827029037	5.558024	4.67E-06	3.77E-05	3.885555
CASC4	0.2923179	6.359084244	4.197373	0.000218	0.0010594	0.116615
MAB21L3	0.2922132	6.711561515	2.773754	0.0093957	0.0280497	-3.47191
TAF13	0.2921936	6.87993745	3.069484	0.004494	0.0149275	-2.78339
SHPRH	0.2921336	6.716054248	3.202733	0.0031932	0.0110335	-2.46118
SGO2	0.2920315	6.166076243	6.098717	1.02E-06	1.03E-05	5.392408
CAPZA1	0.291954	6.739559074	2.395376	0.0229809	0.0604918	-4.29047
ZNF184	0.2918787	6.570485594	2.940631	0.0062203	0.019804	-3.08813
CMTR2	0.2918544	7.937985136	2.173462	0.0376883	0.0924112	-4.73264
PGGT1B	0.2915658	6.655359685	4.847013	3.51E-05	0.0002146	1.901132
TRMT10B	0.2913229	6.962337093	4.478389	9.93E-05	0.0005342	0.882646
KCTD6	0.2913001	8.166445257	3.054781	0.0046651	0.0154036	-2.81851
MNDA	0.2910392	6.272763143	4.106494	0.0002806	0.0013149	-0.12852
ZNF701	0.2909847	6.612900067	3.248868	0.0028334	0.0099371	-2.34804
HIBADH	0.2907095	9.046510628	2.952291	0.0060414	0.0193009	-3.06085
ZNF354A	0.290592	6.479798059	4.149183	0.0002493	0.0011855	-0.01355
SCLT1	0.2902512	6.129716981	5.14343	1.51E-05	0.0001038	2.726895
SDCBP	0.2897565	8.173451863	2.04361	0.0497702	0.1170229	-4.97686
DKC1	0.2894814	10.92963756	2.867481	0.0074622	0.0230983	-3.25793
NSUN3	0.2892458	7.03360058	6.557973	2.83E-07	3.60E-06	6.66009

UMAD1	0.2889507	6.547291196	3.073852	0.0044443	0.0147954	-2.77294
PPIL6	0.2887312	6.45868116	3.454182	0.0016527	0.0062064	-1.83557
ACE2	0.2886454	6.37255735	3.562609	0.001238	0.0048028	-1.55946
DDX47	0.288368	9.83170173	2.761357	0.009684	0.0287821	-3.4999
SMYD2	0.2881935	7.194147166	4.850967	3.47E-05	0.0002125	1.912117
LIPA	0.2880984	9.297613106	2.30476	0.0282058	0.0720365	-4.47467
HNRNPH1	0.2879252	7.267963009	2.759952	0.0097172	0.0288675	-3.50306
TIMELESS	0.287854	7.971288119	2.978297	0.0056597	0.0182285	-2.99978
CIPC	0.2872665	9.098011284	2.585641	0.0147674	0.041366	-3.88838
EFCAB7	0.2871997	6.277953709	5.140595	1.53E-05	0.0001044	2.718981
NCOA4	0.2869337	12.84351342	2.450743	0.0202393	0.054222	-4.17556
KIAA1143	0.2857801	6.298860952	5.985632	1.40E-06	1.35E-05	5.078221
FAM114A1	0.285776	6.439562774	5.199534	1.29E-05	9.06E-05	2.883568
TMEM167A	0.2857255	6.772842638	2.908829	0.0067341	0.0211724	-3.16224
SP110	0.284992	7.321917265	3.812238	0.0006305	0.0026601	-0.9113
MSH3	0.284649	10.93297748	2.801939	0.0087697	0.0265073	-3.408
ZW10	0.2845019	10.28894108	2.568735	0.015369	0.0428192	-3.92491
CASP3	0.2844585	7.744693453	4.589597	7.26E-05	0.0004058	1.188562
RPL15	0.2844504	13.28781538	2.502973	0.0179308	0.0488554	-4.06556
WDR33	0.2842486	7.313700205	5.12878	1.58E-05	0.0001075	2.685998
MMAA	0.2841224	6.530778083	3.839431	0.0005854	0.0024928	-0.83975
ZNF830	0.2840223	9.109030467	3.18613	0.0033331	0.0114623	-2.5017
ANP32B	0.2840204	12.80122071	2.542955	0.0163302	0.0450827	-3.98033
SDPR	0.2839896	6.498129162	4.56088	7.87E-05	0.0004355	1.10944
SKP1	0.2837033	8.483809735	5.607151	4.06E-06	3.36E-05	4.022832
UEVLD	0.283686	6.73276078	3.690966	0.0008764	0.003527	-1.22822
ZNF33A	0.2833192	6.738515094	4.179359	0.0002292	0.0011058	0.067913
RALGPS2	0.2831555	6.639778326	2.716272	0.0108039	0.0316501	-3.60106
CENPL	0.2831018	7.038256941	3.452397	0.0016606	0.0062303	-1.84008
ZCCHC8	0.2829146	7.018872031	3.090116	0.0042639	0.0142781	-2.73395
MLH1	0.2826727	8.064443355	3.787726	0.000674	0.0028048	-0.97565
RPS4X	0.282655	13.73353095	2.049977	0.0491063	0.115602	-4.96515
C1GALT1	0.2823117	6.342583868	3.76361	0.0007198	0.0029704	-1.03882
FAN1	0.2820779	7.948279449	2.421476	0.0216488	0.0575001	-4.23652
CLDND2	0.2819554	7.263571907	3.3481	0.0021865	0.0079338	-2.10213
KNOP1	0.281662	7.36961327	4.161673	0.0002408	0.0011518	0.020149
TMEM230	0.2815499	10.01119186	2.204365	0.0352302	0.0872438	-4.6729
NUDT21	0.2814525	7.181827721	2.96082	0.0059136	0.0189488	-3.04085
RASA1	0.2813052	7.331594547	4.067954	0.0003122	0.0014398	-0.23204
MGAT4A	0.2812847	6.662171327	3.773713	0.0007002	0.0028998	-1.01237
RCOR3	0.2811062	9.278366355	2.860574	0.0075908	0.0234426	-3.27384
MKRN2	0.2807843	9.529991253	3.158413	0.0035797	0.0122253	-2.56911
SLF1	0.2806197	6.502519855	5.562243	4.61E-06	3.73E-05	3.897347
NQO1	0.2804436	7.083513855	2.447412	0.0203953	0.0545741	-4.18252
PLEKHA3	0.2800039	6.556605257	2.94812	0.0061048	0.0194843	-3.07061
BNIP1	0.2799808	7.438252339	3.037832	0.0048701	0.0159715	-2.85889
TCAIM	0.2799587	6.443792061	4.96263	2.53E-05	0.0001619	2.22272
PRRG1	0.2797455	7.228820836	2.887408	0.0071025	0.022144	-3.21191
PDLIM7	0.2796273	7.020100315	3.169341	0.0034805	0.0119115	-2.54257
MRPL45	0.2795807	8.900161907	3.137487	0.0037774	0.0128198	-2.61981
CLEC2D	0.2795383	6.361771742	3.424858	0.0017862	0.0066349	-1.90962
CCDC12	0.2795212	10.57028184	2.610547	0.0139207	0.0393319	-3.83428
ZBTB14	0.2789889	8.532842236	3.040959	0.0048316	0.0158589	-2.85145
TMEM38B	0.2789187	6.555075007	5.228988	1.19E-05	8.45E-05	2.96585
MTRF1L	0.2781722	8.248228603	4.560467	7.88E-05	0.0004359	1.1083
TADA1	0.2779713	7.838409873	3.384973	0.0019845	0.0072892	-2.00989
STK38L	0.2778572	6.332796514	4.27957	0.0001733	0.0008718	0.339504
MOSPD2	0.2777968	7.558793393	3.380847	0.0020062	0.0073619	-2.02023
SPCS2	0.2776604	8.139616351	4.587063	7.31E-05	0.0004082	1.181576

SPECC1L	0.2774607	9.843605141	2.458154	0.0198959	0.0534293	-4.16004
C18orf32	0.2767726	6.41538497	2.852611	0.0077417	0.0238342	-3.29215
SEPSECS	0.2766061	6.41172851	4.678762	5.64E-05	0.0003253	1.434754
CRYGS	0.27629	6.539575857	3.051053	0.0047095	0.0155264	-2.8274
GARS	0.276254	10.76845468	2.202033	0.0354105	0.0876456	-4.67743
OSBPL1A	0.2761169	7.685084546	3.97806	0.0004002	0.0017935	-0.47238
SMIM13	0.2760165	7.130487555	2.376424	0.0239946	0.0627344	-4.3294
ATL1	0.2759303	8.571583938	2.490066	0.0184776	0.050127	-4.09288
OTUD6B-AS1	0.2756829	6.237742139	4.094808	0.0002898	0.0013495	-0.15994
VAMP8	0.2756673	13.1211789	3.799531	0.0006527	0.0027375	-0.94468
AMACR	0.2753868	6.740666586	4.004557	0.000372	0.0016819	-0.4017
SAR1A	0.2746696	8.395183296	2.266098	0.0307456	0.0776543	-4.55175
TXNL1	0.2745085	6.612413046	2.077771	0.0462987	0.1099664	-4.9137
TIGD7	0.2744607	6.798624504	2.436309	0.0209236	0.055826	-4.20569
ERCC6L2	0.2743679	6.501878112	5.268916	1.06E-05	7.68E-05	3.077418
RBKS	0.2742784	7.196219358	2.204825	0.0351947	0.087171	-4.672
RAD17	0.2741144	6.461859575	4.729281	4.89E-05	0.0002868	1.574555
ACAT2	0.2740071	7.878113185	3.369906	0.0020648	0.007547	-2.04764
RRN3	0.2735958	6.826701362	2.56165	0.0156278	0.0433907	-3.94018
MAP7D2	0.2734215	6.209559287	4.263775	0.0001811	0.0009069	0.296593
LCTL	0.2733627	7.338518724	3.488286	0.0015096	0.0057214	-1.7491
PIGL	0.2733068	6.619303255	2.96327	0.0058774	0.0188453	-3.0351
RNASE4	0.2730986	8.2491394	4.401927	0.0001231	0.0006477	0.673146
C12orf65	0.2730479	7.341965606	3.028163	0.0049908	0.016315	-2.88187
MTBP	0.2727088	6.316828265	4.278086	0.0001741	0.000875	0.335472
OSBPL6	0.2724386	7.664471685	3.443035	0.0017023	0.0063635	-1.86375
CYP4X1	0.27243	6.814210378	3.255034	0.0027883	0.0097986	-2.33286
MORF4L1	0.2720836	7.876387977	3.697783	0.0008604	0.0034691	-1.21051
FAS	0.2720814	6.168653163	3.93846	0.0004463	0.0019681	-0.57774
LMNB1	0.2715547	6.877397754	2.056173	0.0484677	0.1142929	-4.95373
ZNF502	0.2713445	6.941171155	3.055091	0.0046615	0.0153941	-2.81777
NBN	0.2713421	6.940473986	5.586482	4.31E-06	3.52E-05	3.965082
SKA3	0.2712205	6.29286498	4.591847	7.21E-05	0.0004036	1.194766
UBE2J1	0.2710489	9.089075589	2.157498	0.0390173	0.0952486	-4.76326
IFT88	0.2710354	6.314606852	6.287453	5.99E-07	6.62E-06	5.915142
POLR3GL	0.2709334	10.09566951	2.557987	0.0157632	0.0437353	-3.94806
ATP6V0E1	0.2708699	11.29999584	3.352316	0.0021625	0.0078597	-2.09161
CAP1	0.2706761	11.91318983	3.090941	0.004255	0.0142555	-2.73197
LACTB	0.2706063	7.574070713	3.324185	0.002328	0.0083705	-2.16171
YWHAQ	0.2704595	12.71356669	2.428838	0.021286	0.0566373	-4.22123
PON3	0.2704319	8.882054865	2.088151	0.0452871	0.107947	-4.89435
QPCT	0.2701436	8.366260298	2.977967	0.0056644	0.0182406	-3.00055
OXSM	0.2701038	7.215524601	4.723936	4.97E-05	0.0002907	1.559756
ZNF525	0.2698672	6.923746	3.254749	0.0027904	0.0098023	-2.33357
NSMAF	0.2697818	9.887489264	2.859772	0.0076059	0.0234591	-3.27568
FGL2	0.2695793	6.958164599	2.431312	0.0211654	0.0563626	-4.21609
CHMP4C	0.2695183	7.151052965	2.549678	0.0160743	0.0444764	-3.96591
PRSS23	0.2691462	7.017275138	2.136938	0.0407903	0.0989048	-4.80246
AGPAT5	0.2688843	6.758770201	2.212026	0.0346435	0.0859883	-4.65799
NUB1	0.2688044	8.079977397	6.214636	7.35E-07	7.82E-06	5.713726
PSMB4	0.2687817	11.56013251	2.511469	0.0175791	0.0480454	-4.04752
WHAMM	0.2687087	7.146965478	3.309352	0.0024202	0.0086536	-2.19856
KYNU	0.2686358	6.780681312	3.066848	0.0045242	0.0150063	-2.78969
TERF2IP	0.2682104	9.558761231	2.635889	0.0131055	0.0373605	-3.7789
DCBLD2	0.2680988	8.495078087	2.539635	0.0164579	0.0453773	-3.98744
ZMPSTE24	0.2680348	10.70708871	2.1016	0.0440056	0.1053064	-4.86918
TPT1	0.2673947	14.53236772	5.414954	7.00E-06	5.36E-05	3.485632
PRKCI	0.2673176	7.236101059	2.195144	0.0359482	0.0887838	-4.69079
ITK	0.2669813	6.597247016	2.83545	0.0080764	0.0247042	-3.33152

NKAP	0.2667179	6.126481841	4.04585	0.0003319	0.0015194	-0.29128
CLUAP1	0.2665906	8.465510023	5.348024	8.47E-06	6.32E-05	3.298526
ZMYND11	0.2663328	7.7073414	4.210073	0.0002104	0.001029	0.150985
HNRNPA1	0.2662361	6.980582686	2.95744	0.0059639	0.0190934	-3.04878
SMARCA2	0.2661842	8.165086067	3.186737	0.0033279	0.0114478	-2.50022
IFNG	0.266182	6.091419445	3.428401	0.0017695	0.0065819	-1.90068
SKP2	0.2660155	7.897161452	4.256663	0.0001848	0.000923	0.277283
TMED2	0.2659981	10.43729488	3.075825	0.0044221	0.0147314	-2.76821
MSANTD3	0.2655391	7.367023158	3.300161	0.002479	0.0088444	-2.22136
FAM213A	0.2654261	12.19063313	2.41755	0.0218446	0.057909	-4.24466
SAMD9L	0.2652969	6.182188631	3.262208	0.0027368	0.009647	-2.31519
DEPDC1B	0.265165	6.237550294	7.22088	4.61E-08	8.03E-07	8.458317
C10orf88	0.2647376	6.703660681	2.761667	0.0096767	0.0287692	-3.4992
NBPF14	0.2645302	6.815928953	2.884363	0.0071564	0.0222762	-3.21896
B4GALT4	0.2645228	7.743979708	2.983588	0.0055849	0.0180174	-2.98732
ARSK	0.2643202	6.614483015	2.754767	0.0098406	0.029194	-3.51475
ZNF101	0.2642625	6.771526734	3.750227	0.0007464	0.003068	-1.07381
SREK1P1	0.2641999	6.140487968	3.321915	0.0023419	0.0084095	-2.16735
FIGNL1	0.263773	6.951136429	2.904807	0.0068019	0.0213681	-3.17158
EIF1AX	0.2637372	7.189861227	3.414178	0.0018373	0.0068002	-1.93652
CAND1	0.263693	7.615168791	2.14451	0.0401291	0.0975991	-4.78805
TIAL1	0.2634427	7.634377942	4.065377	0.0003145	0.0014481	-0.23895
TRAPPC4	0.2631407	10.36775099	2.577972	0.0150376	0.0420285	-3.90497
MFF	0.2629441	7.577813628	2.099648	0.0441896	0.1057074	-4.87284
HDHD2	0.2629168	7.724977708	2.924927	0.0064692	0.0204588	-3.12478
YWHAB	0.2628579	9.969074798	2.951993	0.0060459	0.0193121	-3.06154
FNDC3A	0.2626692	6.446085745	3.098539	0.0041733	0.0140059	-2.71372
RBBP9	0.2624745	8.321546333	2.933491	0.0063324	0.0201013	-3.10481
STAT4	0.2623324	5.928989059	4.202471	0.0002149	0.0010473	0.130408
CKAP5	0.2620317	8.167429959	2.921216	0.0065294	0.0206189	-3.13343
STAM2	0.2620023	6.653376341	3.041006	0.004831	0.0158589	-2.85134
ANOS1	0.2616367	6.731297829	2.092529	0.0448664	0.1070888	-4.88617
YTHDC1	0.2613885	7.876742032	2.677923	0.0118505	0.0342591	-3.68631
RNF13	0.2613398	7.524277014	2.722854	0.0106332	0.0312018	-3.58635
SPRY2	0.2613295	8.965676665	2.250654	0.0318165	0.0799221	-4.58228
TXLNG	0.2610213	6.541332672	3.199797	0.0032175	0.0111076	-2.46835
NRAS	0.2610174	8.23090554	3.118851	0.0039621	0.0133684	-2.66482
TUSC3	0.261017	6.519230599	2.566588	0.015447	0.0429749	-3.92954
TANK	0.2609432	6.738106755	5.687837	3.23E-06	2.76E-05	4.248192
CYTH4	0.2605725	6.225751937	2.339818	0.0260685	0.0673948	-4.40398
EIF5	0.2605003	7.133541288	2.396003	0.0229481	0.0604148	-4.28918
CCL1	0.2598575	6.131251335	3.664682	0.0009409	0.0037575	-1.29642
MRPS5	0.2596119	8.62906521	3.687646	0.0008843	0.0035566	-1.23685
NAA35	0.2590355	6.908192842	3.894704	0.0005032	0.002188	-0.69378
ZBTB41	0.2590027	6.248125419	4.093622	0.0002908	0.0013526	-0.16312
CSAD	0.2588359	7.078308123	2.397602	0.0228645	0.0602179	-4.28589
TYW1	0.2587801	7.718003463	2.347221	0.0256364	0.0664184	-4.38897
SRSF4	0.2583122	10.9185692	3.201553	0.0032029	0.0110632	-2.46406
RAB27B	0.2583108	7.709907144	3.418428	0.0018168	0.0067371	-1.92582
PRDX6	0.2582654	12.36138098	3.249464	0.002829	0.0099235	-2.34658
ALG11	0.2582513	6.677803927	3.707193	0.0008388	0.0033933	-1.18603
CCNT2	0.2582083	6.826307883	3.378993	0.002016	0.0073909	-2.02488
UBR7	0.257488	7.459464285	5.60973	4.03E-06	3.34E-05	4.030036
RFX7	0.2573	6.667572001	3.353285	0.002157	0.0078427	-2.08919
ROCK1	0.2572637	6.193692308	2.192507	0.0361559	0.0892514	-4.69589
SLC24A1	0.2572434	6.545892694	2.889664	0.0070628	0.0220345	-3.20669
HDGFRP3	0.2570833	6.195266189	4.858129	3.40E-05	0.0002086	1.932017
MPP7	0.2570421	6.676827825	2.456358	0.0199786	0.0536292	-4.16381
LANCL1	0.257026	11.3675865	2.042111	0.0499276	0.1172998	-4.97962

C15orf40	0.2570215	7.472071287	4.209444	0.0002108	0.0010303	0.149279
CAPRIN1	0.2570046	7.726119784	3.059493	0.0046096	0.0152488	-2.80726
IDH1	0.2566155	8.246823625	2.851168	0.0077693	0.0239041	-3.29547
PHKB	0.2566101	7.171350334	4.895377	3.06E-05	0.0001909	2.035563
MAGOHB	0.2563481	6.886690046	2.859797	0.0076054	0.0234591	-3.27563
ACSL3	0.2559182	7.299387915	2.610089	0.0139359	0.0393576	-3.83528
CWC22	0.2556284	6.039244223	3.281904	0.0026	0.0092201	-2.26656
EID1	0.2555595	6.568732083	3.324239	0.0023277	0.0083705	-2.16157
TMSB15A	0.2553662	6.168002708	3.564861	0.0012306	0.0047778	-1.55369
ZFP90	0.254962	8.887597998	3.513073	0.0014132	0.0053883	-1.68604
MLF1	0.2548925	6.113250454	3.851269	0.0005668	0.0024224	-0.80854
PKP4	0.2546288	8.009313042	2.885861	0.0071298	0.0222113	-3.21549
MIB1	0.2545719	6.409767489	3.166214	0.0035086	0.0120014	-2.55017
TMF1	0.2541936	6.552311179	4.100978	0.0002849	0.0013298	-0.14335
FAM114A2	0.2541409	6.843488344	2.694391	0.01139	0.0330759	-3.64979
VMP1	0.2538932	10.19132935	3.056199	0.0046484	0.0153587	-2.81513
MAPK9	0.2532354	7.347708816	3.611434	0.001086	0.0042704	-1.434
ING3	0.2526125	6.652246861	4.584346	7.37E-05	0.000411	1.174089
SMCHD1	0.252528	6.156754007	4.177185	0.0002306	0.0011114	0.062039
SCML1	0.2523845	6.554142204	2.593783	0.0144855	0.0406731	-3.87073
TRPS1	0.2520189	6.518060977	3.298841	0.0024876	0.0088652	-2.22463
LOC105378828	0.2519128	6.366608268	3.082483	0.0043477	0.0145186	-2.75226
BLM	0.2517709	6.2978667	5.552258	4.75E-06	3.82E-05	3.869441
CEP89	0.2514841	6.619060269	5.316229	9.26E-06	6.83E-05	3.209649
FAM81A	0.2514307	6.128640267	3.27553	0.0026435	0.0093574	-2.28231
GLOD4	0.2511243	9.630625695	2.44368	0.0205715	0.0549925	-4.19031
GAPT	0.2504033	6.344803978	3.445977	0.0016891	0.0063223	-1.85631
C1GALT1C1	0.2500028	6.584961481	4.503408	9.25E-05	0.000502	0.95135
SKA1	0.2499735	6.716771682	3.673882	0.0009179	0.0036784	-1.27257
TEX101	0.2498994	6.597558314	2.751815	0.0099116	0.0293592	-3.52139
HARS2	0.2498204	10.08112068	3.562276	0.0012391	0.0048061	-1.56031
PHF10	0.2494758	8.144983588	4.16669	0.0002374	0.0011387	0.033692
NEB	0.2492565	6.217073536	4.122964	0.0002681	0.0012623	-0.0842
UBE2D3	0.2490595	8.771501601	4.41075	0.0001201	0.0006339	0.697282
YTHDC2	0.2490256	6.520296719	2.623679	0.0134926	0.0383288	-3.80563
DNAH1	0.2487416	6.636079332	2.329242	0.0266973	0.0687227	-4.42539
ARMCX1	0.2485034	7.310960661	2.860214	0.0075976	0.0234501	-3.27467
HIVEP2	0.248254	7.27483054	3.350074	0.0021752	0.0078991	-2.0972
PSMB6	0.2481499	12.73205481	2.982667	0.0055978	0.0180502	-2.98949
SIRPG	0.2480398	6.939969912	5.375259	7.84E-06	5.90E-05	3.374661
NFX1	0.2478351	8.52842458	3.323544	0.0023319	0.0083814	-2.1633
NME2	0.2477358	7.733851761	3.339351	0.0022373	0.0080848	-2.12395
STOML2	0.2477354	11.49116939	2.288098	0.0292761	0.0744093	-4.508
CDK5RAP2	0.2476156	7.484429573	3.086101	0.0043078	0.0144077	-2.74359
CSTF2	0.2476119	8.932631663	2.696105	0.0113431	0.0329542	-3.64598
LYPLA1	0.2473414	7.110146126	2.60713	0.0140341	0.0395947	-3.84172
UTP14C	0.2471666	8.222302857	2.110227	0.0432006	0.1036483	-4.85296
CALCRL	0.2471512	6.466770574	2.309302	0.0279202	0.0714388	-4.46555
FAM204A	0.2468747	6.629790348	3.884654	0.0005173	0.002243	-0.72037
RAD54B	0.2468562	6.238837546	6.222092	7.20E-07	7.70E-06	5.734366
TRIM23	0.2466003	6.53783484	3.494559	0.0014846	0.0056344	-1.73316
ATF7IP2	0.2464884	6.458469061	4.127601	0.0002646	0.0012489	-0.07171
DNAJB4	0.246472	6.259525378	2.388491	0.0233446	0.0612661	-4.30464
ABI2	0.2463744	6.781675805	2.054671	0.0486218	0.1145866	-4.9565
NEDD4	0.2462399	6.586728951	4.16753	0.0002369	0.0011366	0.035961
ST13P4	0.2461986	7.620178097	2.898533	0.0069089	0.0216424	-3.18614
APAF1	0.2461446	6.880886785	3.198143	0.0032313	0.0111508	-2.47239
C1QBP	0.2461301	11.29220461	2.421192	0.021663	0.0575297	-4.23711
RACGAP1	0.2460965	7.227576521	4.383697	0.0001295	0.0006763	0.623307

NETO2	0.2459966	6.412545191	2.069248	0.0471442	0.1116443	-4.92953
CARMIL3	0.2458492	7.381889828	2.155068	0.0392231	0.0956548	-4.76791
GIMAP4	0.2457829	6.066501893	2.76396	0.0096228	0.0286308	-3.49403
ZNF32	0.2453926	7.708912194	5.741935	2.77E-06	2.43E-05	4.399202
MTPAP	0.2453142	9.134570108	2.183551	0.0368695	0.090782	-4.71321
GINM1	0.2451353	7.388000096	2.57183	0.0152572	0.0425475	-3.91824
UFL1	0.2444555	6.459019293	3.025221	0.0050281	0.0164203	-2.88886
TRIM37	0.2444198	6.479676084	3.749848	0.0007472	0.0030699	-1.07481
LAX1	0.2440637	6.260981312	4.213862	0.0002082	0.0010203	0.161241
BIRC6	0.2436852	7.650670741	2.095881	0.0445466	0.1064443	-4.8799
NR2C1	0.2436031	6.583398521	3.839175	0.0005858	0.002494	-0.84042
ANP32AP1	0.2433942	6.789597448	2.618076	0.0136737	0.0387696	-3.81786
ILKAP	0.2431277	8.698430812	2.877079	0.0072869	0.0226387	-3.23579
MANBA	0.242555	7.48301688	2.714179	0.0108588	0.0317675	-3.60573
ANKRD11	0.242104	7.590575037	2.408113	0.0223218	0.0589967	-4.26419
WDR47	0.2420906	7.419874622	2.078049	0.0462714	0.1099151	-4.91318
MLKL	0.2419289	6.328177787	6.240426	6.84E-07	7.41E-06	5.785102
BLOC1S6	0.2415838	8.604048441	2.337285	0.0262178	0.0676628	-4.40912
C12orf60	0.241259	6.123177263	5.687508	3.24E-06	2.76E-05	4.247275
LIN7B	0.2408708	9.329684478	2.248756	0.0319504	0.0802036	-4.58602
DUSP28	0.2407952	8.561817391	2.436102	0.0209336	0.0558372	-4.20612
FAM91A1	0.2405839	6.894219847	2.353096	0.0252981	0.0656559	-4.37702
LYG1	0.2404286	6.166030386	4.37628	0.0001322	0.0006879	0.603041
DCUN1D1	0.2402113	6.882885419	3.177624	0.003407	0.011693	-2.52242
PITPNB	0.2400089	8.364074272	2.780967	0.0092316	0.0276194	-3.45559
HNRNPLL	0.2396617	6.797171122	2.386184	0.0234676	0.0615307	-4.30938
ZNF627	0.2388751	8.143828338	2.911053	0.0066969	0.0210691	-3.15708
LRRC6	0.238766	6.138029715	6.252855	6.60E-07	7.20E-06	5.819484
CCZ1	0.2387162	7.106237111	3.890244	0.0005094	0.0022117	-0.70558
DEPDC1	0.238691	6.079173651	6.151995	8.75E-07	9.07E-06	5.540191
GART	0.2384113	7.527916236	4.60632	6.92E-05	0.0003888	1.234678
SNX14	0.2384013	6.757163687	3.824885	0.0006091	0.0025819	-0.87804
HOXD13	0.2378796	7.298552095	3.410887	0.0018534	0.0068543	-1.9448
ASH2L	0.2370934	9.85560042	4.168189	0.0002364	0.0011353	0.03774
GFM1	0.2368109	9.342587047	2.112946	0.0429496	0.103202	-4.84784
TEX9	0.2368039	6.167163124	6.102875	1.00E-06	1.02E-05	5.403947
CNOT7	0.2367984	8.183517819	3.463585	0.001612	0.0060634	-1.81176
ATG2B	0.2364075	7.559767654	3.60868	0.0010941	0.0042978	-1.4411
MDN1	0.2363541	6.311023761	3.002847	0.0053204	0.0172589	-2.94186
ZNF658	0.2363032	6.180775351	3.079746	0.0043781	0.014615	-2.75882
TPP2	0.236235	6.753394079	4.805781	3.94E-05	0.0002383	1.786646
KLHL8	0.2361402	8.20299899	2.464855	0.0195901	0.0527247	-4.14599
DYNC2H1	0.2358612	6.959913811	3.550625	0.0012784	0.0049327	-1.59015
VWA8	0.2358326	6.826341409	2.859756	0.0076062	0.0234591	-3.27572
HIRIP3	0.2356046	8.934560138	2.219605	0.0340716	0.0847315	-4.64321
TP53AIP1	0.2353858	8.029496035	2.798468	0.0088446	0.0266723	-3.41589
TMEM144	0.23516	7.460677482	2.881675	0.0072043	0.0224073	-3.22517
DENND1B	0.2350264	6.218994497	3.636649	0.0010148	0.004018	-1.36895
CFAP70	0.2349529	6.425291443	2.845724	0.0078744	0.0241586	-3.30797
PANK3	0.2348537	7.005467656	2.713472	0.0108773	0.0318027	-3.60731
ZNF236	0.2348236	6.413967872	2.296822	0.0287112	0.0731828	-4.49057
ARHGAP12	0.2347321	6.672947861	3.255627	0.0027841	0.0097871	-2.3314
MAP4K4	0.2347186	7.213157383	3.156507	0.0035973	0.0122786	-2.57373
CHD2	0.2345869	6.443218815	3.083438	0.0043371	0.0144858	-2.74997
C8orf48	0.23437	6.552663784	3.746706	0.0007536	0.0030916	-1.08301
ADHFE1	0.2343688	6.669725374	2.416515	0.0218965	0.0580228	-4.24681
FAM150B	0.2343261	6.5906417	2.435099	0.0209819	0.0559508	-4.2082
BFSP1	0.2341964	6.482625814	2.650181	0.0126656	0.0362929	-3.74752
PSAT1	0.2341852	8.516098583	3.917021	0.0004733	0.0020743	-0.63465

PRDX1	0.2341632	12.74392084	2.957062	0.0059696	0.019106	-3.04966
LINC01091	0.2340223	6.475315799	3.674013	0.0009175	0.0036779	-1.27223
ZNF235	0.2336956	6.563524096	2.449123	0.0203151	0.0543893	-4.17895
LY6G6D	0.2336483	6.642861149	2.238559	0.0326785	0.0816962	-4.60609
ACOT9	0.2333599	7.004884122	2.773814	0.0093943	0.0280497	-3.47177
TUBE1	0.233099	6.312979437	3.114851	0.0040029	0.01349	-2.67446
NTAN1	0.2329175	8.009496911	2.958015	0.0059553	0.0190724	-3.04743
LAT	0.2328934	6.270247238	4.534934	8.47E-05	0.0004651	1.038024
CSNK1A1	0.2321699	7.644147326	2.785259	0.0091353	0.0274032	-3.44587
HOOK3	0.2320479	6.689169749	2.928206	0.0064165	0.0203442	-3.11714
HNRNPC	0.2316991	8.64002333	3.181636	0.0033719	0.0115871	-2.51265
SH2D4A	0.2312646	7.348536447	2.763693	0.009629	0.028645	-3.49463
POGLUT1	0.2310152	9.508037461	2.914308	0.0066428	0.0209294	-3.14951
JRKL	0.2309612	6.445973794	4.565811	7.76E-05	0.0004301	1.123019
TXNDC16	0.2308755	6.70807567	2.308179	0.0279906	0.0715717	-4.46781
CHD6	0.2306406	6.580911825	3.176174	0.0034197	0.0117223	-2.52595
STX2	0.2306345	6.402654633	4.450139	0.0001075	0.0005738	0.805159
UTP3	0.2306176	6.799199448	2.678793	0.0118257	0.0342136	-3.68439
SPC25	0.2304377	6.229839733	4.156288	0.0002444	0.0011663	0.005618
DRG1	0.2303943	10.42197534	2.211542	0.0346802	0.0860686	-4.65894
NDUFAF7	0.230159	7.16530107	5.240747	1.15E-05	8.21E-05	2.998704
ZNF75A	0.2297018	6.654597107	3.037153	0.0048784	0.0159855	-2.86051
ORC5	0.2294709	7.204782783	5.722564	2.93E-06	2.54E-05	4.345139
SFXN1	0.2294415	7.197014996	2.764836	0.0096023	0.0285829	-3.49205
MARK1	0.2294218	6.673781066	2.997218	0.0053964	0.0174617	-2.95516
TMOD3	0.2294032	6.937808383	2.892319	0.0070164	0.0219108	-3.20054
ODF2L	0.229393	6.278876052	6.874454	1.18E-07	1.75E-06	7.523895
ZNF112	0.229382	6.76245557	2.630175	0.0132854	0.0378176	-3.79142
LAMP2	0.2293573	9.900223791	2.137096	0.0407764	0.0988835	-4.80216
NSUN6	0.2292129	6.513310175	3.543229	0.0013039	0.0050232	-1.60907
ARRDC3	0.2287432	6.942544662	2.418866	0.0217788	0.0577675	-4.24193
CHRNB1	0.2286425	8.030022079	2.15392	0.0393208	0.0958327	-4.7701
STMN1	0.2286075	6.691100206	3.306277	0.0024397	0.0087139	-2.20619
GAL3ST2	0.2285595	6.54706495	3.537089	0.0013254	0.0051002	-1.62476
COL13A1	0.2283214	6.425915636	2.964093	0.0058653	0.0188124	-3.03317
PPP4R1	0.2282568	9.758319799	2.164945	0.0383922	0.0938998	-4.749
CFTR	0.2281902	6.388676404	3.077872	0.0043991	0.0146699	-2.76331
CDK8	0.2281627	6.491408788	3.642278	0.0009995	0.0039624	-1.3544
APITD1	0.2280769	5.893686044	3.365536	0.0020886	0.0076271	-2.05857
SNX1	0.2279184	7.215456143	2.145472	0.0400458	0.0974406	-4.78622
FBXW7	0.2278341	7.691767714	2.182249	0.0369742	0.0910168	-4.71572
ICOS	0.2277794	6.459995468	3.355729	0.0021432	0.0077983	-2.08308
NOL12	0.2277558	9.006495319	2.538015	0.0165205	0.0455306	-3.99091
NCAPG2	0.2276278	6.37038932	3.215686	0.003088	0.0107042	-2.42949
FAIM	0.2273478	6.303331697	5.211632	1.25E-05	8.80E-05	2.917362
SLC23A3	0.2270448	6.130514724	2.607789	0.0140122	0.0395558	-3.84029
CEP120	0.2269269	5.912431625	3.210021	0.0031336	0.0108489	-2.44336
SGO1	0.2268378	6.169600045	5.756357	2.66E-06	2.35E-05	4.439449
SPCS3	0.2265981	6.62088283	2.829321	0.0081993	0.0250326	-3.34555
COX11	0.2265561	6.648272459	3.307633	0.0024311	0.0086862	-2.20283
MRPS14	0.2263265	6.554044372	4.727929	4.91E-05	0.0002878	1.570811
G3BP2	0.2258094	8.161473979	2.092288	0.0448895	0.1071177	-4.88662
CMYA5	0.2255489	7.202519643	2.343423	0.0258572	0.0669191	-4.39667
IDH3A	0.2251189	8.921416674	2.335063	0.0263495	0.0679393	-4.41361
MPHOSPH9	0.2249126	6.371496879	4.883771	3.16E-05	0.0001963	2.003292
CCDC74A	0.2248764	6.658443767	3.906448	0.0004873	0.0021262	-0.66268
ZAK	0.2243279	7.220195697	2.87246	0.0073707	0.0228554	-3.24645
C17orf58	0.2233686	7.613060914	3.323268	0.0023336	0.0083859	-2.16399
TXNDC15	0.2232541	6.651868247	2.791529	0.0089962	0.027078	-3.43165

C12orf76	0.2231847	7.313286007	2.603202	0.0141656	0.0399018	-3.85027
ST7L	0.2228648	6.319596114	3.899076	0.0004972	0.0021648	-0.6822
ANK3	0.2227494	6.800731724	3.167079	0.0035008	0.0119768	-2.54806
GTF2IRD2B	0.2226257	6.830833539	3.351475	0.0021673	0.0078756	-2.09371
TRAF3	0.2225808	6.546616934	4.163679	0.0002394	0.0011465	0.025565
FAM208A	0.2224581	7.055020662	2.073493	0.0467214	0.1108483	-4.92165
USP48	0.2222543	7.131550598	4.216475	0.0002067	0.0010137	0.168319
DIAPH3	0.2222176	6.267214291	5.938623	1.59E-06	1.51E-05	4.947429
SGK3	0.2220213	7.495635755	2.929115	0.006402	0.0203023	-3.11502
ZNF630	0.2218446	6.544080075	4.095133	0.0002896	0.0013489	-0.15906
ITFG1	0.2218018	7.675964658	3.669941	0.0009277	0.003714	-1.28279
CCDC121	0.2215908	6.395284492	4.120946	0.0002696	0.0012691	-0.08963
PAICS	0.2213528	9.197649432	3.713997	0.0008235	0.0033374	-1.16832
ATP6V1C1	0.2211317	6.570402894	3.883068	0.0005195	0.0022508	-0.72456
ZC3H14	0.2209682	6.561712373	3.197045	0.0032405	0.0111784	-2.47507
MPP3	0.2205955	6.294184245	3.415361	0.0018316	0.0067802	-1.93354
SLC30A5	0.2205637	7.564376289	4.066736	0.0003133	0.0014436	-0.2353
CTBS	0.2203288	8.334927012	2.78304	0.009185	0.0275112	-3.45089
CCDC110	0.2200279	6.133168499	4.835616	3.62E-05	0.0002211	1.869476
IARS	0.2198978	7.560210964	2.525002	0.0170319	0.0467709	-4.01871
DDX24	0.2192659	9.487768928	2.100883	0.0440731	0.1054418	-4.87052
FYTTD1	0.2191965	7.626743991	2.862941	0.0075465	0.0233258	-3.26839
GFM2	0.219195	6.286674617	3.365256	0.0020902	0.0076312	-2.05927
ZNF232	0.2191594	6.958573006	3.944092	0.0004394	0.0019405	-0.56278
LDAH	0.2190049	7.419376839	2.568941	0.0153616	0.0428046	-3.92447
EIF2B2	0.2187604	9.495372757	2.23594	0.0328679	0.0821063	-4.61123
LACE1	0.2183169	6.015660385	3.978107	0.0004001	0.0017935	-0.47226
KMT5B	0.2183072	7.234969606	2.22483	0.0336824	0.0839033	-4.633
JPH1	0.2181546	6.628612359	2.70005	0.0112357	0.0327045	-3.63721
ENOX2	0.2181119	6.574178659	4.965351	2.51E-05	0.0001608	2.230299
SLC7A9	0.2181081	6.863348901	3.869801	0.0005387	0.0023185	-0.75963
PRPF4B	0.218106	6.497891073	2.062606	0.0478125	0.1130087	-4.94184
SDF2	0.2180738	10.4200048	3.017899	0.005122	0.0166822	-2.90623
NT5C2	0.2177326	8.909886631	2.234331	0.0329847	0.082377	-4.61439
KIF18A	0.2177277	5.97618045	5.079788	1.81E-05	0.0001211	2.549283
MSANTD2	0.2174247	6.454478081	3.507323	0.001435	0.0054643	-1.70068
MYCBP	0.2171171	7.097723726	2.31431	0.0276084	0.0707341	-4.45548
ABI1	0.2170386	7.542899298	2.524695	0.0170441	0.0467941	-4.01936
ZNF644	0.2170317	6.875576973	3.561476	0.0012418	0.0048155	-1.56236
SLC38A6	0.2168919	6.546766504	2.873996	0.0073427	0.0227795	-3.2429
ZNF35	0.2168448	7.954412732	2.604028	0.0141379	0.039841	-3.84847
RPS18	0.2168407	14.14662605	3.295928	0.0025066	0.0089264	-2.23185
WTAP	0.216729	7.648939907	2.387547	0.0233948	0.0613482	-4.30658
SKAP1	0.216705	6.159017957	2.950104	0.0060746	0.0193973	-3.06597
ISCA1	0.2166415	7.682189831	2.698051	0.01129	0.0328261	-3.64166
PARN	0.2161184	8.923534141	2.258955	0.0312368	0.0787208	-4.56589
TSEN2	0.2159013	8.156208892	2.45584	0.0200026	0.0536786	-4.16489
METTL15	0.2156706	6.722531115	3.118799	0.0039626	0.0133684	-2.66495
GOLT1B	0.2154599	7.246139908	2.181609	0.0370259	0.0911323	-4.71695
SGCB	0.2151056	6.550162012	3.85228	0.0005652	0.0024168	-0.80588
CRIM1	0.2150178	6.705187387	2.384952	0.0235335	0.0616702	-4.31191
IL7	0.2149733	6.34090651	2.93893	0.0062468	0.0198623	-3.0921
ZNF532	0.2149291	7.668925956	2.94186	0.0062012	0.0197534	-3.08526
LAMA3	0.214622	7.120934831	3.178813	0.0033966	0.0116614	-2.51952
FAM136A	0.2145113	9.381235806	3.090534	0.0042594	0.0142654	-2.73295
OAS3	0.2142914	6.85859538	2.391387	0.023191	0.0609536	-4.29868
TMEM183B	0.2139048	11.17693017	2.792082	0.0089841	0.0270456	-3.43039
CHL1	0.213768	6.232026063	3.315747	0.00238	0.0085242	-2.18268
STX12	0.2136289	8.702332353	3.147799	0.0036787	0.0125105	-2.59485

RNF8	0.2133751	6.780464621	3.480293	0.001542	0.0058296	-1.7694
TMED10P1	0.2132754	11.25869082	2.279063	0.0298718	0.0757035	-4.526
POLA1	0.2132192	7.000126515	3.463977	0.0016103	0.0060606	-1.81077
RNF125	0.2131078	7.618790786	2.794305	0.0089353	0.026928	-3.42534
LRR1	0.2128818	6.987580352	3.865876	0.0005446	0.0023368	-0.77
TAF9B	0.2127153	6.326350754	4.502701	9.27E-05	0.0005027	0.94941
ALMS1	0.212381	6.700099884	2.403311	0.0225682	0.0595346	-4.27411
GSPT1	0.212304	8.592170041	3.053022	0.004686	0.0154594	-2.82271
BST2	0.2121944	6.630014753	2.282861	0.0296201	0.0751737	-4.51844
VIP	0.2121288	6.141451595	2.478455	0.0189826	0.0513461	-4.11739
ZNF789	0.212126	6.616660605	4.160469	0.0002416	0.0011551	0.0169
BANK1	0.2116995	6.359471983	3.136083	0.003791	0.0128564	-2.62321
MPZL3	0.2114527	6.511232206	3.095595	0.0042047	0.0141018	-2.7208
ICK	0.2111771	6.610289748	4.062777	0.0003167	0.0014564	-0.24592
FHL2	0.2108324	8.332120427	2.783014	0.0091855	0.0275112	-3.45095
STOX1	0.2106592	6.247411449	5.668213	3.42E-06	2.89E-05	4.193396
CARF	0.2106572	6.187730389	3.267758	0.0026976	0.0095262	-2.3015
ANKRD6	0.2105235	6.562064731	2.85415	0.0077123	0.0237475	-3.28861
UBD	0.2103193	6.049780406	3.558556	0.0012515	0.0048455	-1.56984
CA5B	0.2101492	6.95842237	2.752289	0.0099002	0.0293302	-3.52032
KRBOX4	0.2099495	6.300284142	3.798067	0.0006553	0.0027442	-0.94852
CDNF	0.2099425	6.517109402	3.451914	0.0016627	0.0062371	-1.8413
DTD2	0.2097739	6.628657497	2.242006	0.0324307	0.0812192	-4.59931
SCAMP1	0.2097548	6.390056723	2.825185	0.0082831	0.0252449	-3.355
FABP6	0.2094712	6.093762869	3.498992	0.0014672	0.0055749	-1.72189
HMGNA4	0.2092522	10.26134143	2.733455	0.0103636	0.0304889	-3.56262
TP53BP2	0.2091097	7.474526673	2.189533	0.0363915	0.0897422	-4.70165
BEX4	0.2078632	7.113378206	3.745155	0.0007568	0.003104	-1.08706
UBXN8	0.2077805	6.154367858	4.396673	0.0001249	0.0006552	0.658777
SS18	0.2074556	7.66466314	3.358308	0.0021287	0.0077544	-2.07664
RRM2B	0.2074509	6.441691268	2.174936	0.0375677	0.092162	-4.72981
DNAJC1	0.2070291	6.18246709	3.344516	0.0022072	0.0080003	-2.11107
ZNF85	0.2065824	5.702266248	3.09737	0.0041857	0.0140405	-2.71653
ZCWPW1	0.2063485	7.495458666	2.626308	0.0134084	0.0381231	-3.79988
NME8	0.2058481	6.02615119	4.709888	5.17E-05	0.0003005	1.520863
CLHC1	0.2057779	6.258584961	4.581208	7.43E-05	0.0004142	1.165439
PRKCQ	0.2056084	9.36531808	2.250361	0.0318371	0.0799533	-4.58286
WDR92	0.2050105	8.006181096	3.700135	0.000855	0.0034513	-1.20439
ANKHD1	0.2047347	6.837171033	3.0003	0.0053547	0.0173498	-2.94788
HOMER1	0.2046965	6.113189241	2.297151	0.0286901	0.0731387	-4.48991
B3GLCT	0.2046433	6.857305901	2.86872	0.0074393	0.0230423	-3.25507
CDC25C	0.2045996	6.336247702	4.416074	0.0001183	0.0006255	0.711852
PUS10	0.2045683	6.167296593	3.707955	0.0008371	0.0033875	-1.18405
DFNB59	0.2045401	6.181540516	5.023789	2.12E-05	0.000139	2.39312
LIMS1	0.2041475	7.158912088	3.529343	0.0013532	0.0051903	-1.64454
FAM118B	0.2040993	6.661836849	3.159182	0.0035726	0.0122033	-2.56724
DSE	0.2040713	7.324614631	2.50637	0.0177895	0.0485452	-4.05835
SUGCT	0.2040585	6.458983469	2.574381	0.0151657	0.0423195	-3.91273
VPS8	0.2039976	7.600602425	2.248304	0.0319823	0.0802557	-4.58691
USP12	0.2032421	6.288286698	2.269396	0.0305211	0.0771376	-4.54521
SMARCC1	0.2031534	10.5387152	2.64129	0.0129376	0.0369742	-3.76706
NPRL2	0.2029061	9.815830283	2.468719	0.0194157	0.0523352	-4.13787
KCNK4	0.202831	6.519145553	4.49433	9.49E-05	0.0005132	0.926413
MPLKIP	0.202802	7.474280172	2.253155	0.0316408	0.079553	-4.57734
MRE11A	0.2026461	6.886617354	3.52232	0.0013788	0.0052732	-1.66247
ANKRD17	0.2025487	7.881549062	2.070796	0.0469896	0.1113597	-4.92666
LMBRD2	0.2022655	6.878614926	2.836569	0.0080542	0.0246439	-3.32896
ANKRD22	0.2019292	8.780738543	2.245415	0.0321874	0.0806867	-4.5926
SOCS4	0.2019275	6.689767725	3.228302	0.0029887	0.0104047	-2.39857

ZDHC21	0.2017977	6.234572311	2.789217	0.0090473	0.0271978	-3.43689
ZNF140	0.2013809	6.863041318	2.28266	0.0296333	0.0751974	-4.51884
ZNF471	0.2013216	6.668702	2.185358	0.0367245	0.0904824	-4.70972
APTX	0.2012153	8.822491634	2.730925	0.0104273	0.030644	-3.56829
LPAR1	0.2011737	6.583514841	3.191481	0.0032874	0.0113246	-2.48865
RFC3	0.2009643	6.564755584	3.434304	0.0017421	0.006491	-1.88579
CLECL1	0.2007394	6.240683056	2.457951	0.0199052	0.053447	-4.16047
CHEK2	0.2005137	6.560302615	5.15096	1.48E-05	0.0001019	2.747918
SAMSN1	0.2002054	6.022852771	3.698785	0.0008581	0.0034618	-1.2079
PSMB2	0.2000907	10.58442563	2.632173	0.0132222	0.0376489	-3.78704
MRPL16	0.20008	7.540203194	2.585543	0.0147708	0.0413665	-3.88859
ZNF519	0.2000671	6.152360434	5.077501	1.82E-05	0.0001217	2.542902
CUL4A	0.1996052	8.237216473	2.706917	0.011051	0.0322327	-3.62192
RBMX2	0.1995856	7.384458939	3.258233	0.0027653	0.0097298	-2.32499
TNFRSF10B	0.199487	6.633590854	2.504662	0.0178604	0.0486909	-4.06198
ZNF300	0.1994811	6.190991746	3.695717	0.0008653	0.0034878	-1.21588
SOS1	0.1992797	6.503384214	2.154756	0.0392497	0.0956955	-4.76851
SERPINB10	0.1989426	6.334561817	2.617473	0.0136934	0.0387912	-3.81918
ZNF197	0.1989146	6.51881739	4.28999	0.0001684	0.0008495	0.367836
ZNF485	0.1988993	6.289234285	4.113077	0.0002755	0.0012949	-0.11081
ZWINT	0.1985277	6.537819233	4.165062	0.0002385	0.0011424	0.029299
OBFC1	0.1982286	7.829506902	3.790302	0.0006693	0.0027896	-0.9689
TNNT2	0.1979578	6.954685926	2.909563	0.0067218	0.0211371	-3.16054
NDUFB8	0.197881	13.02087787	2.616558	0.0137232	0.0388644	-3.82117
KAT14	0.1978501	7.647144799	4.885526	3.14E-05	0.0001955	2.00817
MIS18A	0.1973537	6.694153384	3.852917	0.0005642	0.0024142	-0.8042
PAX7	0.1973523	7.42186617	2.645724	0.0128013	0.0366385	-3.75732
SLC36A4	0.1972487	6.744853916	2.670913	0.0120517	0.0347545	-3.70182
NUDCD1	0.1972026	6.236444043	3.388765	0.0019648	0.0072304	-2.00038
LOC105377348	0.1971722	7.002706232	2.440057	0.0207439	0.0553998	-4.19787
MTFMT	0.1970865	6.643219549	4.901674	3.00E-05	0.0001879	2.053077
ARHGAP11A	0.1966718	6.461370792	5.077911	1.82E-05	0.0001217	2.544045
THAP10	0.1965868	7.333321571	2.516113	0.0173895	0.0475943	-4.03764
PLEKHA5	0.1964606	6.761278091	2.308761	0.0279541	0.0715052	-4.46664
PARP1	0.1963717	10.15902943	2.73148	0.0104133	0.030612	-3.56705
ASNS	0.1963661	8.403325047	2.874536	0.0073329	0.0227527	-3.24166
LRRC37B	0.1962302	6.792665275	4.417162	0.0001179	0.0006238	0.714831
FAM173B	0.1960888	6.701875636	3.976109	0.0004023	0.0018006	-0.47758
STK17A	0.1960469	6.146074573	2.786237	0.0091134	0.0273544	-3.44365
SEH1L	0.1956727	7.831649663	2.506828	0.0177704	0.0485137	-4.05738
C6orf48	0.195347	8.874830094	2.743797	0.0101066	0.0298689	-3.53942
SNX7	0.1953371	6.560839722	2.709461	0.0109833	0.0320656	-3.61625
GOLGA1	0.1950834	7.976587478	2.31903	0.0273174	0.0700904	-4.44599
PLEK	0.1948298	6.884263221	2.090613	0.0450501	0.1074481	-4.88975
NTRK2	0.1946631	6.802371079	2.283943	0.0295487	0.0750318	-4.51628
ZNF273	0.1946578	6.19575494	3.29132	0.0025369	0.0090211	-2.24326
NPL	0.1945908	6.89634039	2.35125	0.0254039	0.0659042	-4.38078
ZNF692	0.194398	7.722402016	2.414018	0.0220221	0.0583238	-4.25198
NVL	0.1943829	7.13702957	3.419949	0.0018095	0.0067152	-1.92199
KCNRG	0.1943763	6.511277904	3.21906	0.0030611	0.0106225	-2.42123
MAN1A2	0.1939047	6.499620214	3.280502	0.0026095	0.0092481	-2.27002
AASS	0.1936874	6.431685502	2.604726	0.0141145	0.0397867	-3.84695
AMY2B	0.1936857	6.201159458	3.417946	0.0018191	0.0067444	-1.92703
SPTLC1	0.1935746	8.973987847	3.156449	0.0035978	0.0122786	-2.57388
RAP1B	0.1933275	6.705732618	2.762175	0.0096647	0.0287424	-3.49805
USP33	0.1930372	7.061462219	2.208773	0.0348915	0.0865266	-4.66433
TERF1	0.1926684	6.301309173	3.520439	0.0013857	0.0052963	-1.66726
ZBTB8A	0.1917677	6.319303638	2.737098	0.0102724	0.0302619	-3.55445
DICER1	0.1917263	6.578313963	2.470916	0.0193172	0.0521145	-4.13325

ZNF540	0.191562	6.064163004	2.510015	0.0176389	0.0481774	-4.05061
BUB3	0.1914566	8.511595803	2.876264	0.0073016	0.0226809	-3.23767
CEPT1	0.1914342	8.037682785	3.942789	0.000441	0.0019462	-0.56624
HORMAD1	0.1913217	6.270633406	3.063692	0.0045607	0.0151102	-2.79724
MIER1	0.1913041	7.096597792	2.172264	0.0377866	0.0926288	-4.73494
PPID	0.1912513	6.396368281	3.358441	0.002128	0.0077531	-2.07631
ZBTB11	0.1910843	6.216260764	2.212113	0.0346368	0.0859828	-4.65782
PHOSPHO2	0.1907475	6.403251113	4.483116	9.80E-05	0.0005282	0.895622
MCFD2	0.1905757	7.178013428	3.263447	0.002728	0.0096196	-2.31213
NHLRC3	0.1902955	6.703642622	2.216162	0.0343304	0.0853094	-4.64993
XRCC6	0.1902955	10.48933109	2.845933	0.0078704	0.0241543	-3.30749
POLR3G	0.1902925	6.083402876	4.670922	5.77E-05	0.0003314	1.413076
PLCL2	0.1902784	6.36748737	2.733132	0.0103717	0.0305082	-3.56334
ATF1	0.1901354	6.367169164	2.869803	0.0074194	0.0229916	-3.25258
MED11	0.1901073	6.645188059	4.543285	8.27E-05	0.0004554	1.061002
UBE3D	0.1899954	6.348940353	4.162228	0.0002404	0.0011503	0.021647
SLC25A40	0.1899551	6.569534625	3.83268	0.0005963	0.0025336	-0.85753
OSBPL3	0.189858	7.52603615	2.640105	0.0129743	0.0370354	-3.76966
GUCY1A3	0.1897476	6.378383969	4.266219	0.0001799	0.0009017	0.303232
DYM	0.1896922	9.579234254	2.52375	0.0170819	0.046858	-4.02138
CDK14	0.1896551	6.131062949	2.969061	0.0057926	0.0186008	-3.0215
RPP21	0.1895833	11.85787608	2.08252	0.0458335	0.1090216	-4.90486
RPE	0.1894247	6.717032782	4.705408	5.23E-05	0.0003037	1.508466
TBC1D9	0.1889561	6.245534447	4.480113	9.88E-05	0.0005321	0.887378
MSL3	0.1886327	6.701250473	4.295976	0.0001656	0.000838	0.384117
ARL14	0.1885732	6.194990904	3.152493	0.0036346	0.0123888	-2.58347
APEX1	0.1882801	11.12427206	2.13384	0.0410635	0.0994307	-4.80834
PRR11	0.1879251	6.463352958	2.524968	0.0170332	0.0467709	-4.01878
DPYD	0.1878805	6.254779828	3.008813	0.0052409	0.0170294	-2.92775
ATPAF1	0.1877684	8.847623839	2.206355	0.0350769	0.0869308	-4.66903
HSPA12A	0.1877336	6.79020798	2.664512	0.0122382	0.0352035	-3.71595
SCAI	0.1876487	6.179530115	3.022892	0.0050578	0.0165006	-2.89438
SNHG10	0.1874723	6.212853899	2.692843	0.0114326	0.0331811	-3.65323
MTERF1	0.1873136	6.502216207	3.783495	0.0006819	0.0028321	-0.98675
TRAF3IP1	0.1873116	6.771007854	5.041832	2.02E-05	0.0001329	2.443423
TVP23C	0.1870234	6.451896131	4.211409	0.0002096	0.0010267	0.154599
FYB	0.1870163	6.164167356	3.653415	0.00097	0.0038618	-1.3256
DAP3	0.1867565	8.334859383	3.326556	0.0023136	0.0083279	-2.15581
LBP	0.1866411	6.243644448	2.78615	0.0091154	0.027356	-3.44384
MDFIC	0.1863984	6.477811496	2.332646	0.0264934	0.0682741	-4.4185
GLI1	0.1863113	6.867006731	2.673817	0.011968	0.034549	-3.69539
ITGA6	0.1862515	6.430689091	3.597307	0.001128	0.0044159	-1.47037
ZSCAN32	0.1856073	7.935262604	2.531347	0.0167807	0.0461953	-4.00516
GPD1L	0.1850502	10.06321349	2.431338	0.0211641	0.0563626	-4.21603
CCDC81	0.1848411	6.11349597	2.938168	0.0062588	0.0198937	-3.09389
PHKA1	0.1848084	6.984099431	3.380652	0.0020072	0.007364	-2.02072
CENPH	0.1845431	6.276742602	3.671864	0.0009229	0.0036962	-1.2778
CPT1B	0.1844902	7.04853228	2.85072	0.0077779	0.0239251	-3.2965
NEDD1	0.1844889	6.222316307	4.057381	0.0003215	0.0014745	-0.26039
CLTA	0.1844035	9.025217507	3.296664	0.0025017	0.0089108	-2.23003
THCAT155	0.1843003	6.249454178	2.407008	0.0223783	0.0591139	-4.26648
TLK2	0.1841887	7.223520151	2.786423	0.0091093	0.0273462	-3.44323
NAPEPLD	0.1839957	6.43680448	2.198281	0.0357025	0.0882556	-4.68471
MED20	0.1839027	10.06757798	2.388249	0.0233575	0.0612833	-4.30514
RNF122	0.1838396	7.697042906	2.468164	0.0194407	0.0523735	-4.13904
BMPR1A	0.1836951	7.250089238	2.803165	0.0087434	0.0264545	-3.40521
UBE2W	0.1836224	6.70554163	3.285395	0.0025764	0.0091453	-2.25792
GVINP1	0.18348	6.139869172	2.940548	0.0062216	0.0198049	-3.08832
NUDT15	0.183195	7.052885674	2.605322	0.0140945	0.0397419	-3.84566

PHLDB2	0.1830866	6.165086989	2.191741	0.0362165	0.0893789	-4.69738
MORC4	0.1826806	6.893770443	2.112876	0.0429561	0.103202	-4.84798
SMIM14	0.1823733	10.47535938	2.130643	0.0413473	0.0999807	-4.8144
SPG20	0.182013	7.207450504	2.119794	0.0423231	0.1019844	-4.83493
TPBG	0.1817082	6.59595016	2.15415	0.0393012	0.0957971	-4.76966
TMEM128	0.1816315	6.577132311	3.119842	0.0039521	0.0133397	-2.66243
DARS2	0.1814456	6.895765419	2.106763	0.0435222	0.1043297	-4.85948
NPTN	0.1812704	8.996200999	2.188731	0.0364552	0.0898873	-4.7032
DUSP26	0.1804612	7.105279013	2.753312	0.0098755	0.0292642	-3.51802
ZNF311	0.1802819	6.19835677	2.587413	0.0147056	0.0412315	-3.88454
FAM184A	0.1796705	6.329116842	3.350053	0.0021754	0.0078991	-2.09726
ATP11C	0.179425	6.358178432	2.834901	0.0080874	0.0247298	-3.33277
AGL	0.1793385	6.445936872	5.233521	1.17E-05	8.35E-05	2.978514
LOC105379362	0.1785223	6.198036747	3.190491	0.0032958	0.0113515	-2.49106
TOR1AIP2	0.1784306	6.511913884	2.220669	0.033992	0.0845444	-4.64113
LRRC40	0.178404	6.258838107	4.257784	0.0001842	0.000921	0.280327
TFDP2	0.1782765	6.554846194	3.128356	0.0038668	0.0130747	-2.64188
FBXO4	0.1779162	6.83826923	3.337288	0.0022495	0.008118	-2.12909
EPS8	0.1778156	6.376812814	2.362252	0.024779	0.0644461	-4.35837
EXO1	0.1777962	6.297628318	4.438767	0.000111	0.00059	0.773995
FBXW8	0.1777361	6.747369724	3.983603	0.0003941	0.0017702	-0.45761
MTFR2	0.1776855	6.239041787	5.239823	1.15E-05	8.22E-05	2.996123
MUT	0.1775571	7.642840933	2.742925	0.0101281	0.0299232	-3.54138
METTL18	0.1775325	6.024647647	3.748678	0.0007496	0.003077	-1.07786
NSUN7	0.177453	6.610977838	2.16352	0.0385112	0.0941433	-4.75173
SP3	0.1770729	7.020062927	2.357615	0.0250407	0.0650488	-4.36782
NEFL	0.1770188	6.340356905	2.47832	0.0189885	0.051355	-4.11767
ZNF438	0.1769954	7.352972507	2.152307	0.0394583	0.0961316	-4.77318
ROBO3	0.1768103	6.443572491	2.388633	0.023337	0.0612545	-4.30435
TMEM64	0.1767162	7.496653194	2.67651	0.0118908	0.034362	-3.68944
ARMC8	0.1762844	6.614541868	4.083782	0.0002988	0.0013866	-0.18956
KIAA1586	0.176012	6.169599225	3.935602	0.0004498	0.0019809	-0.58534
ADAM19	0.1759364	6.355191462	2.06097	0.0479783	0.1132903	-4.94486
ZNF704	0.1759193	6.660588893	3.522444	0.0013783	0.0052732	-1.66215
NEFM	0.1758406	6.291643861	2.274162	0.0301994	0.0763978	-4.53574
SPTLC3	0.1757967	6.983480787	2.744855	0.0100807	0.0298024	-3.53704
UHRF1BP1L	0.175722	6.417937249	4.199208	0.0002169	0.0010549	0.121581
TRIM61	0.1756049	6.397093979	2.167674	0.0381654	0.0934326	-4.74376
VAPA	0.1749871	6.625312338	3.56719	0.0012229	0.0047519	-1.54772
AQR	0.1748986	7.396447166	2.273207	0.0302637	0.0765467	-4.53764
FANCB	0.1747595	7.058704161	2.912201	0.0066778	0.0210147	-3.15441
DCAF13	0.1747313	6.168341238	2.503206	0.0179211	0.0488358	-4.06506
SCYL3	0.1743877	7.075324918	3.337978	0.0022454	0.0081064	-2.12737
TLR3	0.1742948	6.175103021	3.391271	0.0019518	0.007191	-1.99409
SLFN12	0.1740796	6.156575286	2.93362	0.0063303	0.0200981	-3.10451
NDUFAF1	0.1739038	8.04742276	2.167744	0.0381596	0.0934326	-4.74363
TRAF3IP3	0.1738267	5.993101515	3.715463	0.0008202	0.0033263	-1.1645
CIDECP	0.1737576	7.162145269	3.661067	0.0009502	0.0037872	-1.30578
CACNA1B	0.173134	7.391742327	2.384293	0.0235688	0.0617544	-4.31326
BECN1	0.1730222	8.749752798	2.390584	0.0232335	0.0610488	-4.30033
LCLAT1	0.1729509	7.472911814	2.481603	0.0188444	0.0510294	-4.11075
STRC	0.1729468	6.572663864	2.258513	0.0312674	0.0787877	-4.56676
TTC26	0.1728654	6.861675444	2.912714	0.0066693	0.0209957	-3.15321
IL1RAP	0.1727198	6.456279114	2.495068	0.0182639	0.0496236	-4.0823
KANSL1L	0.1725596	6.261774823	3.165713	0.0035131	0.0120127	-2.55138
IL6	0.172474	6.254894288	2.240448	0.0325425	0.0814508	-4.60237
ZNF443	0.1722963	6.817602211	2.968814	0.0057962	0.0186054	-3.02208
BLOC1S2	0.1722539	6.31059299	4.018205	0.0003583	0.0016277	-0.36525
TPM3	0.1720587	8.139408285	3.149973	0.0036582	0.0124539	-2.58958

DZIP1L	0.1717541	7.025097505	2.771959	0.0094369	0.0281512	-3.47596
RWDD2B	0.1716647	7.52049441	2.313691	0.0276468	0.0708138	-4.45673
PLA2R1	0.1713965	6.297717131	3.786766	0.0006758	0.00281	-0.97817
MREG	0.1709985	6.878338766	2.562904	0.0155817	0.0432752	-3.93748
MAT2B	0.1707963	7.712223487	3.305176	0.0024467	0.0087374	-2.20893
SERPINI1	0.1707389	6.168031861	4.403403	0.0001226	0.0006457	0.677183
VPS50	0.1707038	6.157223522	4.614717	6.76E-05	0.0003806	1.257843
FBXO36	0.1702595	6.245329503	3.777837	0.0006924	0.0028711	-1.00157
RABGAP1L	0.1701955	6.524902457	3.11904	0.0039602	0.0133648	-2.66436
RPL37	0.1700895	7.447372601	2.651791	0.0126169	0.03618	-3.74398
CRNKL1	0.1700177	6.740069235	2.180898	0.0370832	0.0912272	-4.71832
MANEA	0.1699504	6.243566029	3.320716	0.0023493	0.0084297	-2.17034
ZNF512	0.1698338	7.841364225	2.659403	0.012389	0.035595	-3.72722
DDHD2	0.1697811	7.321935911	2.67548	0.0119203	0.0344369	-3.69172
11-Sep	0.1697134	6.322413883	3.800979	0.0006501	0.0027284	-0.94088
SC5D	0.1697133	7.255172719	3.058874	0.0046169	0.0152703	-2.80874
G2E3	0.1694271	6.358326584	2.141497	0.0403911	0.0981207	-4.79379
TNPO1	0.1690461	7.293791233	2.326567	0.0268584	0.0690589	-4.43079
ZNF782	0.1686535	5.969449281	3.437366	0.001728	0.006451	-1.87806
G0S2	0.1684313	6.003606894	2.799327	0.008826	0.0266334	-3.41393
HDAC8	0.1684112	6.726039445	2.799556	0.0088211	0.0266294	-3.41341
UBE2K	0.168344	7.357226687	3.477801	0.0015523	0.0058626	-1.77572
SLC16A7	0.1680531	6.273265555	2.112364	0.0430032	0.1032768	-4.84894
NRAV	0.1670614	7.185494153	2.488781	0.0185329	0.0502439	-4.0956
PPP2R3A	0.1670576	7.28285563	2.156475	0.0391038	0.095405	-4.76522
FBXO22	0.1670364	6.908094668	3.683877	0.0008934	0.0035893	-1.24663
EXOSC2	0.1669262	7.872867369	2.497893	0.0181443	0.0493537	-4.07632
ZNF626	0.1657694	7.064677827	2.332469	0.0265039	0.0682922	-4.41886
DQX1	0.1656498	6.456127213	2.174139	0.0376329	0.0922986	-4.73134
CACNA2D3	0.1655578	6.115669097	2.491163	0.0184306	0.0500134	-4.09057
CAPN12	0.1655299	6.478800895	2.137473	0.0407432	0.0988278	-4.80144
TMEM138	0.1654577	8.995744042	2.37813	0.0239017	0.0625505	-4.3259
AKAP7	0.1652698	6.306560516	4.239844	0.0001937	0.0009596	0.23165
CXCR4	0.1649472	6.016623704	2.779717	0.0092598	0.027691	-3.45842
SMIM7	0.1648979	8.468750391	2.57806	0.0150345	0.0420259	-3.90478
SAMD3	0.1648789	5.855328749	3.260994	0.0027455	0.0096672	-2.31818
2-Sep	0.1646521	9.025759091	2.103965	0.0437836	0.1048914	-4.86474
PGBD2	0.1645194	6.654937521	2.097428	0.0443997	0.1061577	-4.877
C2orf15	0.1641687	6.990991552	2.17557	0.0375159	0.0920582	-4.72859
SPINK2	0.1638256	6.14067594	2.826791	0.0082505	0.0251691	-3.35133
ADAM10	0.1638203	6.326638074	2.692602	0.0114392	0.0331905	-3.65377
HSD17B11	0.1636981	6.538545673	3.801712	0.0006489	0.0027247	-0.93895
ARMCX3	0.163689	6.38258645	2.925013	0.0064679	0.0204578	-3.12458
RNPC3	0.1636624	6.682796737	2.857403	0.0076505	0.0235836	-3.28113
CXorf38	0.1634971	7.371756751	2.407927	0.0223313	0.0590132	-4.26458
MAOB	0.1634292	6.475867149	2.376571	0.0239866	0.0627219	-4.3291
LUC7L2	0.1631636	7.015132527	3.149598	0.0036617	0.0124637	-2.59049
NDC1	0.1627766	7.059959313	2.349537	0.0255025	0.0661158	-4.38426
CUL3	0.161978	6.147257173	3.023964	0.0050441	0.0164615	-2.89184
ITSN1	0.1614019	6.664981891	4.528928	8.61E-05	0.0004717	1.021504
APPBP2	0.1611047	7.776233644	2.197046	0.035799	0.0884379	-4.6871
FNBP1L	0.1608601	6.799356554	2.197501	0.0357634	0.0883724	-4.68622
ITGB8	0.1607651	6.297500025	2.733529	0.0103617	0.0304881	-3.56246
BCKDHB	0.1607326	7.077514498	2.811593	0.0085645	0.0259922	-3.38602
CNTLN	0.1607259	6.563730447	2.939854	0.0062324	0.0198336	-3.08995
CTSO	0.1606057	7.308611104	2.185421	0.0367195	0.0904814	-4.70959
DPH6	0.1603901	7.074669449	2.902636	0.0068387	0.0214561	-3.17663
TRIM16L	0.1599143	6.160130287	2.442271	0.0206384	0.0551409	-4.19326
PGM2L1	0.1597411	6.041119605	2.662274	0.0123041	0.0353615	-3.72089

ZNF182	0.1591848	6.510906495	4.182064	0.0002275	0.0010987	0.075222
MIPOL1	0.1591307	6.125066128	3.59492	0.0011353	0.0044416	-1.47651
KIZ	0.1591188	6.129634377	2.954021	0.0060153	0.0192307	-3.05679
ICE2	0.159033	6.471123079	3.150658	0.0036518	0.0124364	-2.58792
GCSAML	0.1590076	6.015106735	2.759833	0.00972	0.0288714	-3.50333
GULP1	0.1588409	6.205900431	2.281699	0.0296968	0.0753094	-4.52075
ZNF761	0.1587404	6.181773247	2.709442	0.0109838	0.0320656	-3.6163
BICC1	0.1585816	6.194189969	2.939156	0.0062433	0.0198544	-3.09158
METTL6	0.1584867	6.236579056	2.285224	0.0294644	0.0748658	-4.51373
ELP6	0.1584726	7.937503156	2.119589	0.0423418	0.102004	-4.83532
SASS6	0.1584615	6.35231694	4.089079	0.0002945	0.0013678	-0.17533
LEAP2	0.158405	6.283210741	3.229174	0.002982	0.0103905	-2.39643
NNT	0.1581106	6.795538429	2.770586	0.0094686	0.0282283	-3.47907
C18orf8	0.158044	8.857234393	2.155629	0.0391755	0.0955507	-4.76684
ASB3	0.1579778	7.617162065	3.002061	0.005331	0.0172844	-2.94372
CXorf23	0.1579393	6.272108737	2.685003	0.0116504	0.0337579	-3.67063
CASD1	0.15789	6.259864575	2.62499	0.0134505	0.0382205	-3.80276
BPGM	0.1578657	6.446639354	4.343817	0.0001448	0.000746	0.514433
CALCOCO2	0.1576783	7.844253886	2.103071	0.0438674	0.1050663	-4.86642
BROX	0.1575964	5.972036423	3.124535	0.0039049	0.0131941	-2.65111
UHRF1	0.1574887	7.122286921	2.064729	0.047598	0.1125839	-4.93791
USP50	0.1573863	5.826870004	3.538437	0.0013207	0.0050839	-1.62132
SENP2	0.1573787	8.184097631	2.04165	0.0499761	0.117379	-4.98046
DGUOK	0.1573662	9.935656779	2.616078	0.0137389	0.0388974	-3.82222
MOCS2	0.1573575	6.259376135	3.629038	0.0010358	0.004087	-1.3886
ZFP1	0.157178	6.164756614	2.994939	0.0054275	0.0175535	-2.96054
CRYBG3	0.1569277	6.025783267	3.170134	0.0034733	0.0118935	-2.54064
ZNF280C	0.1568098	6.688683353	2.789741	0.0090357	0.0271759	-3.4357
EDEM3	0.1564887	6.6578831	2.876131	0.007304	0.0226847	-3.23798
PCNX1	0.1561137	7.132079251	2.327549	0.0267992	0.0689339	-4.4288
CHCHD2	0.1558228	13.20714261	2.124376	0.0419085	0.1011109	-4.82627
LRP8	0.1552213	6.197687014	2.765331	0.0095907	0.0285528	-3.49093
ANKS3	0.1548186	6.668179802	2.079541	0.0461248	0.1096072	-4.91041
PHTF1	0.1545476	6.241591369	2.714329	0.0108548	0.0317608	-3.6054
SLFN13	0.154432	6.249173998	3.085582	0.0043135	0.0144192	-2.74483
DBT	0.154148	7.640101927	2.929629	0.0063937	0.0202796	-3.11382
HEMK1	0.1540091	6.404244137	2.86022	0.0075974	0.0234501	-3.27465
VLDLR	0.1538453	6.257346692	2.741248	0.0101694	0.0300228	-3.54514
PSMC3IP	0.1537587	6.133776687	3.634445	0.0010208	0.004037	-1.37464
KIR2DL3	0.1535581	5.970031947	2.064781	0.0475927	0.1125839	-4.93781
LOC105375172	0.1532936	6.316085336	3.068108	0.0045098	0.014967	-2.78668
ACADSB	0.1532334	6.277653723	3.7395	0.0007685	0.0031414	-1.10183
PTK2	0.1531064	8.187586455	2.073853	0.0466857	0.1107772	-4.92098
ZNF254	0.1528077	6.05378454	2.185276	0.0367311	0.0904871	-4.70988
C2orf69	0.1525747	6.054755444	2.386045	0.023475	0.0615418	-4.30966
ZSCAN29	0.1523043	6.29124575	2.566166	0.0154624	0.0430053	-3.93045
KIN	0.1522302	6.125917973	3.814942	0.0006259	0.0026434	-0.90419
SMARCAL1	0.1515896	8.745538164	2.513233	0.0175068	0.0478614	-4.04377
NEIL3	0.1508706	6.157329762	3.028014	0.0049927	0.0163184	-2.88223
C11orf87	0.1506009	6.034510318	2.91988	0.0065512	0.020681	-3.13654
MYBPHL	0.1502383	5.809231051	2.830002	0.0081855	0.0249985	-3.34399
RRAS2	0.1501886	7.624743774	2.64041	0.0129649	0.0370193	-3.76899
MGARP	0.1500653	6.00779244	2.704191	0.0111239	0.0324163	-3.62799
C19orf18	0.1497252	6.149548012	2.873653	0.007349	0.0227916	-3.2437
DLG2	0.1497225	6.3694229	2.672649	0.0120016	0.0346254	-3.69798
EPB41L5	0.1495308	6.264598464	2.057876	0.0482935	0.1139235	-4.95058
ERI2	0.1495232	6.321889721	2.813773	0.0085188	0.0258669	-3.38105
ZNF571	0.1495227	6.416204683	2.839588	0.0079945	0.0244844	-3.32204
TDRD6	0.1494061	6.480613123	2.585609	0.0147685	0.041366	-3.88845

ADAM23	0.1493441	6.003545883	2.50214	0.0179657	0.048939	-4.06732
ICE1	0.1492646	6.327910409	3.106999	0.004084	0.0137445	-2.69338
DNAI2	0.1489826	7.020779687	2.600945	0.0142417	0.040087	-3.85518
CARD17	0.1489286	6.191208527	2.598539	0.0143232	0.0402628	-3.86041
NSL1	0.1486772	6.814696386	4.851167	3.47E-05	0.0002125	1.912672
MGP	0.1484002	6.390592197	2.135371	0.0409283	0.0991597	-4.80543
DROSHA	0.1481394	7.061568337	2.717521	0.0107713	0.0315641	-3.59827
LPAR4	0.1479951	6.393181809	3.579662	0.0011827	0.0046095	-1.51572
IL9	0.1477932	6.071653668	3.287913	0.0025595	0.00909	-2.2517
SENP5	0.1477149	6.726651645	2.15423	0.0392944	0.0957924	-4.76951
AGAP4	0.1477063	6.297420116	2.698844	0.0112684	0.0327683	-3.63989
DENND4A	0.1476209	6.378303746	3.888346	0.0005121	0.0022224	-0.7106
SP5	0.1473252	7.208328657	2.390403	0.0232431	0.0610575	-4.30071
PPP1R12B	0.1471505	6.634189409	3.240118	0.0028985	0.010127	-2.36956
DONSON	0.146949	6.126140361	2.372512	0.0242088	0.0632349	-4.33741
MTUS1	0.1469275	6.252109994	3.227818	0.0029925	0.0104159	-2.39976
CAPN7	0.1465865	7.077071192	2.901598	0.0068564	0.0215081	-3.17903
PIGP	0.1464949	7.630824368	2.108719	0.0433404	0.103958	-4.8558
SPAG16	0.146315	6.524276046	3.068396	0.0045065	0.0149612	-2.78599
PEX13	0.1462612	7.131170309	2.792658	0.0089714	0.02702	-3.42908
KIF27	0.1461488	6.106385919	4.602515	7.00E-05	0.0003926	1.224183
EPB41L4A	0.1460725	6.558522442	2.741188	0.0101709	0.0300228	-3.54527
RCN1	0.1459054	7.694890503	2.338467	0.026148	0.0675366	-4.40672
NAT1	0.1458169	6.211312512	3.597552	0.0011273	0.0044139	-1.46974
ARL13B	0.145285	6.077860809	2.820478	0.0083796	0.0254908	-3.36575
PACRGL	0.1451245	6.024180748	2.127898	0.0415923	0.1004603	-4.8196
GOLGA6B	0.1447524	6.195971645	3.323888	0.0023298	0.0083755	-2.16245
RLN2	0.1447448	6.10802734	3.999719	0.000377	0.0017013	-0.41462
TRMT6	0.144723	6.143860659	2.070002	0.0470688	0.111509	-4.92813
RCBTB1	0.1446998	6.482779762	2.599829	0.0142794	0.0401587	-3.8576
PKIB	0.1445122	6.650095928	2.464315	0.0196146	0.0527687	-4.14712
ZC2HC1C	0.1444886	6.222037787	2.10263	0.0439088	0.1051136	-4.86724
MUC21	0.1442167	6.455007302	2.686866	0.0115983	0.0336219	-3.6665
ENPP4	0.1441883	6.002831292	2.384975	0.0235323	0.0616702	-4.31186
TENM1	0.1440013	6.013374503	3.422249	0.0017985	0.0066782	-1.91619
S100A7L2	0.1438963	6.311343383	3.176231	0.0034192	0.0117223	-2.52581
GABRR1	0.1437938	6.033942536	2.142091	0.0403393	0.0980319	-4.79266
CCAR1	0.1436859	6.124216971	2.541998	0.0163669	0.0451777	-3.98238
MAATS1	0.1433668	6.335770815	2.214208	0.034478	0.0856323	-4.65374
UBTD2	0.1430204	6.797994725	2.263852	0.0308993	0.0780019	-4.55619
CDC42BPA	0.1430171	6.136790338	4.144472	0.0002525	0.0011993	-0.02625
SVOPL	0.1429527	5.947117402	2.377312	0.0239462	0.0626417	-4.32758
TBXAS1	0.1429281	6.034744402	3.259199	0.0027583	0.0097089	-2.3226
RRAGB	0.1426364	7.235186481	3.044546	0.0047879	0.0157366	-2.84291
KDELC1	0.1418771	6.179845748	2.524968	0.0170332	0.0467709	-4.01878
DIRC3	0.1413823	6.043033066	3.055892	0.004652	0.015368	-2.81586
LOC105376365	0.1410364	6.231246656	2.326467	0.0268644	0.0690653	-4.43099
SNORD48	0.1408306	6.162121403	2.317037	0.0274399	0.0703583	-4.45
ZNF570	0.1406039	6.095926601	3.261305	0.0027432	0.0096611	-2.31741
SYCP2	0.1404646	6.056703447	3.897706	0.0004991	0.002171	-0.68583
GPR65	0.1404433	6.135514862	3.134576	0.0038057	0.0128926	-2.62685
ARFIP1	0.1404037	7.181374406	2.680647	0.0117732	0.034083	-3.68028
ZNF596	0.1403394	5.905896821	3.438196	0.0017242	0.0064381	-1.87597
KRAS	0.1401208	7.120593395	2.478035	0.0190011	0.0513676	-4.11827
BPTF	0.1400224	6.551043523	3.62797	0.0010388	0.004098	-1.39136
GCSH	0.139819	6.350809866	3.513024	0.0014134	0.0053883	-1.68616
NELL1	0.1397227	6.400184859	2.781505	0.0092195	0.0275974	-3.45437
GMPR2	0.1396412	7.990347347	2.180236	0.0371368	0.0913126	-4.7196
MRGPRX4	0.13927	6.027387948	2.843172	0.0079241	0.024292	-3.31382

NTN4	0.1391266	6.080960836	2.852186	0.0077498	0.0238479	-3.29313
SGPP1	0.1390801	6.203706392	2.0511	0.04899	0.1153703	-4.96308
HSD17B6	0.1389798	6.07524401	3.396435	0.0019254	0.0071005	-1.98113
TARSL2	0.1384218	6.423579798	2.248715	0.0319533	0.0802036	-4.5861
FAM21C	0.1384064	6.684593738	2.197504	0.0357632	0.0883724	-4.68622
TCHHL1	0.138227	5.828281007	2.057568	0.048325	0.113984	-4.95115
WDHD1	0.1380558	6.253307472	4.733106	4.84E-05	0.0002843	1.585149
FKBP9	0.1379716	6.396885278	2.554594	0.0158896	0.0440544	-3.95535
WDR44	0.1378582	6.671827111	2.623181	0.0135086	0.0383676	-3.80671
RRN3P1	0.1375495	6.146367721	3.066602	0.0045271	0.0150116	-2.79028
C8orf46	0.1375493	6.035904009	2.101498	0.0440152	0.1053163	-4.86937
SETD3	0.1372666	8.03205604	2.25979	0.031179	0.0786058	-4.56423
UGT8	0.1370521	6.226313855	2.289149	0.0292076	0.0742724	-4.5059
PAQR6	0.1366706	6.5599266	2.107273	0.0434748	0.1042289	-4.85852
PLSCR1	0.136603	6.202971052	2.478039	0.0190009	0.0513676	-4.11826
MED21	0.1365605	6.208057417	2.530172	0.016827	0.0463095	-4.00767
COPS8	0.1359869	7.349936963	2.701255	0.011203	0.0326272	-3.63453
SULT1B1	0.1357371	6.015010011	2.603958	0.0141402	0.0398419	-3.84862
TRIM7	0.1355079	7.369896076	3.052157	0.0046963	0.0154884	-2.82477
SPOPL	0.1352651	6.402394586	2.254644	0.0315367	0.0793528	-4.5744
KCNE1	0.1350947	5.850206711	2.24506	0.0322126	0.0807186	-4.5933
CCDC18	0.1347561	6.12439753	3.977952	0.0004003	0.0017936	-0.47267
ANGPT1	0.1345578	6.274997279	3.660314	0.0009521	0.0037929	-1.30773
RNF214	0.1344774	7.248077324	2.35574	0.0251472	0.0652817	-4.37164
HIPK3	0.1344753	6.194331187	2.087136	0.0453852	0.1081541	-4.89625
MAP4K1	0.1339808	6.477103302	2.14938	0.0397089	0.0966937	-4.77877
EPB41L2	0.1339358	6.320647344	2.448369	0.0203504	0.0544765	-4.18052
LOC100507599	0.1336283	6.473049593	2.647606	0.0127438	0.0365063	-3.75318
PARP11	0.1327973	6.517680126	2.298806	0.0285841	0.0728973	-4.4866
MRGPRE	0.132466	6.100005209	3.186968	0.0033259	0.011443	-2.49965
LACC1	0.13243	6.322985118	2.205035	0.0351786	0.0871604	-4.6716
EIF4E	0.1321715	6.162625592	2.771895	0.0094384	0.0281512	-3.47611
KIAA1524	0.1320904	6.004619233	3.619892	0.0010616	0.0041812	-1.4122
GCLC	0.1319796	6.94713812	2.365802	0.0245804	0.064033	-4.35112
C1orf101	0.1318365	6.17379034	2.363812	0.0246915	0.0642536	-4.35519
DEPDC7	0.1315645	6.123205634	3.826272	0.0006068	0.0025738	-0.87439
P2RX1	0.1314653	6.249281595	2.22114	0.0339569	0.0844895	-4.64021
GFI1	0.1314613	6.018375309	2.78796	0.0090751	0.0272689	-3.43974
ZNF711	0.1312783	6.055484621	2.97491	0.0057081	0.0183721	-3.00775
GSG1L	0.1312572	6.659184536	2.617622	0.0136885	0.0387846	-3.81885
KCNG3	0.1312313	6.082684236	3.021628	0.005074	0.0165479	-2.89738
EIF2S2	0.1311512	7.493217355	2.225947	0.0335996	0.0837509	-4.63081
SIKE1	0.1310869	6.276885577	2.954407	0.0060095	0.019221	-3.05589
CCDC170	0.1309624	6.184188515	2.749998	0.0099555	0.029467	-3.52548
IKBKAP	0.1309221	6.182343054	3.507394	0.0014347	0.0054643	-1.70051
TRIM5	0.1305915	6.496730588	4.050488	0.0003277	0.0015007	-0.27886
PPP2R5C	0.1304636	6.249715767	2.889473	0.0070662	0.0220414	-3.20713
APOL3	0.1303577	6.321682173	2.614994	0.0137743	0.0389865	-3.82459
SPESP1	0.1302255	6.222453145	2.591974	0.0145477	0.0408299	-3.87465
SULT1A3	0.1298024	6.402169957	2.8168	0.0084557	0.0256981	-3.37415
ZNF567	0.1293109	6.139417626	2.778251	0.0092931	0.0277775	-3.46173
FRK	0.1291455	5.996032723	2.54975	0.0160716	0.0444764	-3.96576
UQCDFS1	0.129145	12.52627631	2.117933	0.0424926	0.1022658	-4.83844
FAM198B	0.1291445	6.172879835	3.187316	0.0033229	0.0114348	-2.49881
USP53	0.129052	6.272619031	2.117015	0.0425763	0.1024382	-4.84017
SEC61A2	0.12897	6.090605061	2.716335	0.0108023	0.0316501	-3.60092
TM4SF19	0.1288621	6.096212106	3.151749	0.0036415	0.0124059	-2.58527
PFKFB2	0.1288354	6.516790912	2.146568	0.0399511	0.0972467	-4.78413
WDR35	0.1286332	6.564603541	2.164082	0.0384642	0.094064	-4.75065

SPINK6	0.1279921	6.157883784	2.151569	0.0395214	0.0962612	-4.77459
ATE1	0.1278023	6.277569795	4.030431	0.0003464	0.0015803	-0.33255
NME5	0.1276341	5.919120965	2.912157	0.0066786	0.0210147	-3.15451
BBS9	0.1272838	6.807996165	3.148401	0.003673	0.0124956	-2.59339
FAM196A	0.1270585	6.749652023	3.84655	0.0005741	0.0024517	-0.82099
ZDHHC20	0.127057	6.388851371	2.111193	0.0431112	0.1034851	-4.85115
EVI2A	0.1265185	6.108017039	4.013242	0.0003632	0.0016471	-0.37851
SNORD38B	0.1264449	5.99884541	2.544153	0.0162843	0.0449689	-3.97776
TRIM6	0.1264325	6.08083651	3.134703	0.0038044	0.0128907	-2.62654
POPDC2	0.1260344	6.045146839	3.074159	0.0044409	0.0147864	-2.7722
MAP2K6	0.1254975	6.011666865	2.188285	0.0364908	0.0899636	-4.70406
SPIN3	0.1254161	6.309553698	2.699471	0.0112514	0.0327286	-3.6385
HIST1H3G	0.125192	6.310943019	2.753276	0.0098764	0.0292642	-3.5181
RNF14	0.125067	7.761982869	2.136347	0.0408423	0.0990061	-4.80358
SERF1A	0.1250561	6.10239849	4.230911	0.0001985	0.0009808	0.207431
ASAH1	0.1249531	6.685925463	2.998477	0.0053793	0.0174209	-2.95219
LOC101928030	0.1248994	6.105421285	2.946988	0.0061222	0.0195331	-3.07326
ERCC6L	0.1244672	5.98970764	3.224537	0.003018	0.0104935	-2.4078
KNL1	0.124461	6.010924383	4.3182	0.0001556	0.0007933	0.444613
PLA2G12A	0.124379	6.262642541	2.52641	0.0169759	0.0466649	-4.01571
DNAJC12	0.1243269	5.97879888	3.966847	0.0004127	0.0018391	-0.50225
C5orf34	0.1242068	6.265944152	2.788794	0.0090566	0.0272216	-3.43785
TSGA10	0.1240532	6.127752945	2.568639	0.0153725	0.0428229	-3.92512
ITGA10	0.1235593	6.095821637	2.417631	0.0218405	0.0579062	-4.24449
TMEM68	0.1235204	6.430860852	2.893158	0.0070018	0.0218801	-3.1986
GPR160	0.123264	6.124535474	2.263453	0.0309267	0.0780609	-4.55699
RASGRP3	0.122903	6.097231641	2.397753	0.0228566	0.0602053	-4.28558
SLC10A7	0.12223	6.406636911	2.527024	0.0169515	0.0466144	-4.01439
ACTL8	0.1218939	6.221397048	3.055624	0.0046552	0.0153759	-2.8165
ZNF404	0.1218891	6.171508369	2.526149	0.0169863	0.0466815	-4.01626
GIMAP7	0.1218244	6.184509953	3.796595	0.000658	0.0027511	-0.95238
CCL3	0.12182	6.188680956	2.091946	0.0449223	0.1071827	-4.88726
CCL24	0.1217483	5.709128869	2.094107	0.0447156	0.1067815	-4.88322
IL1R2	0.1216406	6.013374997	2.79233	0.0089786	0.0270333	-3.42983
LINC01162	0.1204848	6.220666541	2.558352	0.0157497	0.0437041	-3.94728
NAA25	0.1203369	6.950776131	2.22213	0.0338831	0.0843382	-4.63828
ZFP69B	0.1198751	6.016205967	2.659162	0.0123962	0.035605	-3.72775
PGBD1	0.1197458	6.248441385	2.753852	0.0098626	0.0292367	-3.51681
ZNF239	0.1188278	6.150604126	2.792469	0.0089755	0.0270283	-3.42951
MINA	0.1188168	6.399775071	2.559774	0.015697	0.0435767	-3.94422
VCX3B	0.1187557	6.013367357	3.350109	0.002175	0.0078991	-2.09712
LRRC17	0.1187403	6.035210233	3.727234	0.0007945	0.0032367	-1.13383
SEC63	0.1183867	6.376813873	2.550106	0.0160581	0.0444579	-3.96499
SACS	0.1183511	5.947641968	2.888308	0.0070867	0.0221017	-3.20983
KATNAL1	0.1182012	6.581306834	2.722087	0.010653	0.0312503	-3.58807
RPL41	0.1181284	10.67360552	2.341081	0.0259943	0.0672289	-4.40142
CD3G	0.1179079	6.206204601	2.617649	0.0136877	0.0387846	-3.8188
GABPB1	0.1177396	6.297660295	2.341506	0.0259694	0.0671772	-4.40056
CSF2	0.1176912	6.024090642	2.774789	0.009372	0.0279961	-3.46957
TDP2	0.1175847	6.031395139	2.492535	0.0183719	0.0498889	-4.08766
AOX1	0.1175432	5.877679689	2.646706	0.0127713	0.0365634	-3.75516
ZWILCH	0.1172487	5.94013528	3.933106	0.0004529	0.0019937	-0.59196
ZFP69	0.1168962	6.208884126	2.25634	0.0314184	0.0791116	-4.57105
TMTC4	0.1168847	6.666284984	2.318429	0.0273543	0.0701758	-4.4472
NDUFC2	0.1168227	6.545355621	2.051689	0.0489291	0.1152548	-4.962
RECK	0.1166899	6.112745397	3.051029	0.0047098	0.0155264	-2.82746
YIPF7	0.1161345	6.071379446	4.139638	0.000256	0.0012141	-0.03928
PANK2	0.1160801	7.823301005	2.866688	0.0074768	0.02314	-3.25976
PADI6	0.1160359	6.197690799	3.494372	0.0014854	0.0056362	-1.73364

UFD1L	0.1148883	6.504200489	3.072665	0.0044578	0.0148288	-2.77578
LINC01365	0.1146662	6.177177545	3.020773	0.0050849	0.0165782	-2.89941
TOP1	0.1144879	6.144881204	2.419427	0.0217508	0.0577077	-4.24077
TRUB1	0.1144116	6.147323726	2.677993	0.0118485	0.0342591	-3.68616
TADA2A	0.1141997	6.17478949	2.656168	0.0124854	0.03584	-3.73434
FAM218A	0.1140599	6.183232646	2.852425	0.0077452	0.0238376	-3.29258
BDH2	0.1140211	6.020266292	2.302746	0.0283333	0.072343	-4.4787
AKR1C2	0.1138064	6.890016372	2.672764	0.0119983	0.0346247	-3.69772
IL18RAP	0.1134579	6.131233383	2.122082	0.0421157	0.1015253	-4.83061
NOX4	0.1133792	6.130829851	2.282406	0.0296501	0.0752105	-4.51934
MBD2	0.1126246	6.256697524	2.627684	0.0133645	0.0380261	-3.79687
PIAS2	0.1124338	6.532985551	3.005436	0.0052858	0.0171551	-2.93574
CLCC1	0.1123193	6.351248774	2.294489	0.0288613	0.0735268	-4.49523
RUFY1	0.111914	7.356944726	2.08318	0.0457691	0.1088953	-4.90363
ARSJ	0.1116435	6.215700247	2.755465	0.0098239	0.0291523	-3.51317
LGALS14	0.1115804	6.226641546	2.52446	0.0170535	0.0468067	-4.01986
GSTA5	0.1111041	5.900264744	2.433093	0.0210789	0.0561709	-4.21238
KCNJ15	0.1109625	6.148587107	2.830181	0.0081819	0.0249914	-3.34358
PMS2CL	0.1108185	6.361533048	2.394042	0.023051	0.0606432	-4.29322
NHS	0.1102582	6.274638963	3.131689	0.0038339	0.0129748	-2.63383
SNX10	0.1101278	6.02579141	2.290523	0.0291181	0.074074	-4.50316
SOAT1	0.1101254	6.39873477	2.088152	0.045287	0.107947	-4.89435
TESC	0.1099236	6.2459848	2.257274	0.0313534	0.0789737	-4.56921
CD226	0.1097857	5.784701245	2.588217	0.0146777	0.041165	-3.8828
LUC7L	0.1095754	6.834598739	2.245273	0.0321974	0.0807015	-4.59288
CD200	0.109462	6.261407153	2.601386	0.0142268	0.0400567	-3.85422
RBPMS2	0.1093292	6.842220988	2.254715	0.0315317	0.0793506	-4.57426
METTL10	0.1091805	6.338219393	2.267113	0.0306763	0.0774895	-4.54973
NEUROD6	0.1089155	6.180377494	2.787404	0.0090875	0.0272933	-3.441
BID	0.1088734	6.510747087	2.796466	0.0088881	0.0267942	-3.42044
ERVMER34-1	0.1087683	6.266228064	2.27853	0.0299072	0.0757835	-4.52706
STC2	0.1087049	5.914538674	2.452527	0.0201561	0.0540458	-4.17183
ELK3	0.1080227	6.057052608	2.239169	0.0326346	0.0816069	-4.60489
GKAP1	0.1076846	6.015607437	2.904725	0.0068033	0.021369	-3.17178
EXOC6	0.1076844	6.584639968	2.204804	0.0351963	0.087171	-4.67205
ADGRF5	0.1076221	6.073862034	2.228288	0.0334269	0.0833526	-4.62623
PIH1D2	0.1071418	5.851837303	2.335195	0.0263417	0.0679282	-4.41335
RPL27A	0.1062387	14.26677341	2.453078	0.0201305	0.0539846	-4.17067
HIST1H2BE	0.1058926	6.085761399	2.086026	0.0454926	0.108357	-4.89832
ZNF846	0.1057595	6.083521787	2.969086	0.0057922	0.0186008	-3.02144
SLC6A4	0.1056123	5.984809112	2.607626	0.0140176	0.039561	-3.84064
PDE8A	0.1055949	6.076622012	2.63756	0.0130534	0.0372233	-3.77524
IQGAP2	0.1054677	6.047987352	2.144647	0.0401173	0.0975937	-4.78779
HECTD2	0.1053425	6.332863038	2.459907	0.0198155	0.0532429	-4.15637
LOC100506207	0.1050999	6.524523801	2.372088	0.0242321	0.0632726	-4.33827
ARHGAP25	0.105056	6.283048489	2.586921	0.0147228	0.0412735	-3.88561
ST8SIA1	0.1048165	6.210260136	2.164959	0.0383911	0.0938998	-4.74897
KIAA1804	0.1046105	6.315576639	2.133468	0.0410965	0.099498	-4.80904
SEC23A	0.1045221	6.180826478	2.614004	0.0138068	0.039067	-3.82675
LCORL	0.1041429	5.915814286	3.505665	0.0014414	0.0054842	-1.70491
CLEC4F	0.1040868	6.005766586	2.425149	0.0214672	0.0570566	-4.2289
ACBD5	0.1040622	6.082997426	2.641509	0.0129309	0.0369603	-3.76657
STEAP1	0.103831	6.099467469	2.883102	0.0071788	0.0223388	-3.22187
EIF3J-AS1	0.1037739	6.355461746	2.068719	0.0471971	0.111731	-4.93051
KLHL6	0.1028168	6.052685641	2.280647	0.0297666	0.0754665	-4.52285
CARD16	0.102401	6.164107644	2.721472	0.0106689	0.0312875	-3.58944
PRIM2	0.1022002	6.291493564	3.631254	0.0010297	0.0040652	-1.38288
AKNAD1	0.10208	6.076428488	2.826969	0.0082469	0.025162	-3.35092
THAP2	0.1012707	6.081873202	3.16849	0.0034881	0.0119355	-2.54463

TMSB4X	0.1011671	5.968848171	2.368437	0.0244339	0.0637112	-4.34574
ZNF347	0.1010967	6.148667345	2.129564	0.0414434	0.1001631	-4.81645
GTDC1	0.1010073	6.581600199	2.505666	0.0178187	0.0485838	-4.05984
ZNF326	0.1009116	6.119939228	2.769429	0.0094953	0.0282863	-3.48168
SLC27A6	0.100216	6.089244252	2.363338	0.0247181	0.064314	-4.35615
PXK	0.1001379	6.51999898	2.202717	0.0353575	0.0875368	-4.6761
LPGAT1	0.0999035	6.16076683	2.129564	0.0414434	0.1001631	-4.81645
TENM2	0.0998703	6.268921967	2.675528	0.0119189	0.0344369	-3.69161
PEX3	0.0997665	6.012867961	2.137303	0.0407582	0.0988517	-4.80176
MIR4307HG	0.0994861	5.876412162	2.785193	0.0091367	0.0274032	-3.44601
SYNJ1	0.0990052	6.426402004	2.349925	0.0254802	0.0660755	-4.38347
ZNF268	0.0984796	6.168843196	2.590334	0.0146043	0.040977	-3.87821
EPS8L3	0.0982869	6.186668612	2.453276	0.0201213	0.0539674	-4.17026
SPINK4	0.0980294	5.809723692	2.060518	0.0480243	0.1133711	-4.9457
CDYL2	0.0978581	6.271863532	2.25138	0.0317654	0.0798217	-4.58085
CD8B	0.0977082	5.981554465	2.834756	0.0080903	0.0247347	-3.33311
MCCD1	0.097695	6.318546165	2.203476	0.0352988	0.0874026	-4.67463
SPATA6	0.0968041	6.546802285	2.0837	0.0457185	0.1088015	-4.90266
ABCA10	0.0965981	6.04231524	3.069911	0.0044891	0.0149164	-2.78237
SLC39A12	0.0964063	6.080638379	2.521934	0.0171546	0.0470508	-4.02525
ARL17B	0.0963265	6.26021757	2.294518	0.0288595	0.0735268	-4.49517
ATP8B3	0.0963096	6.075438422	2.132076	0.0412199	0.0997347	-4.81169
PDE3B	0.096081	5.964856517	2.207673	0.0349758	0.0867243	-4.66647
OR2Z1	0.0959803	6.059114393	2.791418	0.0089987	0.0270811	-3.4319
SCRN3	0.095752	6.19990037	2.288089	0.0292768	0.0744093	-4.50802
SMN2	0.0957131	6.384056122	2.066134	0.0474565	0.112304	-4.9353
ARHGEF7-IT1	0.0956917	6.340903306	2.107621	0.0434424	0.1041769	-4.85787
DNAJB8	0.0953799	6.4082568	2.095827	0.0445518	0.1064443	-4.88
GRAP2	0.095243	5.720199402	2.498975	0.0180986	0.0492434	-4.07403
LINC01043	0.0950863	5.984220405	2.678212	0.0118423	0.0342473	-3.68567
ENPP3	0.0950753	6.084239345	2.074947	0.0465773	0.1105471	-4.91895
NR3C1	0.0940911	6.564257514	2.135514	0.0409157	0.0991535	-4.80516
SCN9A	0.0939886	6.257232109	2.410329	0.0222089	0.0587624	-4.25961
ZNF718	0.0936221	6.313741136	2.050573	0.0490445	0.1154846	-4.96405
PIWIL4	0.0935555	5.944037973	2.8462	0.0078652	0.0241455	-3.30687
CUZD1	0.0933448	6.095126733	2.526362	0.0169778	0.0466649	-4.01581
VAT1L	0.0933232	6.264096763	2.464337	0.0196136	0.0527687	-4.14708
CFAP53	0.0930438	6.078300932	2.262716	0.0309773	0.0781612	-4.55844
HIST1H1B	0.0929086	5.978831726	2.156295	0.0391191	0.0954249	-4.76556
ZDHHC2	0.0928744	6.208913213	2.206038	0.0351013	0.08698	-4.66965
DMXL2	0.0926698	5.966031378	2.201962	0.0354161	0.0876481	-4.67757
GLT8D1	0.0921345	6.340145997	2.749229	0.0099741	0.0295131	-3.52721
RLN1	0.0919778	5.958027441	2.313851	0.0276368	0.0707977	-4.45641
MSH2	0.0918902	6.113068794	2.197645	0.0357522	0.0883672	-4.68594
CRISPLD1	0.0917627	6.082882458	2.567098	0.0154285	0.0429449	-3.92844
GPD1	0.0915513	5.934944263	2.076935	0.046381	0.1101216	-4.91525
MTCL1	0.0913819	6.042337849	2.633506	0.0131803	0.037546	-3.78412
LINC01563	0.0913522	5.976623524	2.480767	0.018881	0.0510928	-4.11251
UACA	0.091182	6.157708729	2.605607	0.014085	0.0397209	-3.84504
PSME1	0.0910366	9.423633967	2.289683	0.0291727	0.0741936	-4.50483
TEX29	0.0906042	5.997595339	2.118231	0.0424654	0.1022131	-4.83788
CDADC1	0.0900258	6.303059294	2.122693	0.0420604	0.1014299	-4.82945
EFCAB6	0.0892657	6.229217051	2.220847	0.0339788	0.0845274	-4.64079
TBC1D3F	0.0891082	6.273206334	2.042492	0.0498876	0.1172564	-4.97892
ERN2	0.088728	6.126113837	2.305221	0.0281767	0.0719811	-4.47374
TAGAP	0.0886291	5.986717848	2.495565	0.0182428	0.0495801	-4.08125
FRS2	0.0885435	6.625865304	2.215108	0.0344099	0.0854742	-4.65199
GPR137C	0.0882937	6.09416198	2.179654	0.0371838	0.0913704	-4.72072
TEX11	0.088272	6.097881644	2.135339	0.0409312	0.0991597	-4.80549

AGMAT	0.0876923	6.029660917	2.601325	0.0142288	0.0400567	-3.85435
DCD	0.0876672	5.972782252	2.695888	0.011349	0.0329632	-3.64647
PAK3	0.086909	6.128402017	2.193897	0.0360463	0.0890036	-4.69321
POU2F2	0.0867306	5.843339078	2.04319	0.0498142	0.1171123	-4.97763
AIM2	0.0867253	6.150429518	2.627989	0.0133548	0.038004	-3.7962
C10orf71-AS1	0.0866799	6.057146611	2.527336	0.0169391	0.0465915	-4.01373
SULT1A2	0.0866129	6.14158334	2.890528	0.0070477	0.0219943	-3.20469
NBEAL1	0.0860042	6.188047284	2.654927	0.0125225	0.0359308	-3.73708
SLC9A3	0.0858496	6.063068417	2.244978	0.0322184	0.0807189	-4.59346
OR52N5	0.0849605	6.187061057	2.468047	0.0194459	0.0523804	-4.13929
KCNA7	0.0848057	6.029308954	2.119424	0.0423567	0.1020274	-4.83563
CDC14A	0.0847808	6.183766807	2.295175	0.0288171	0.0734336	-4.49386
BACH1-IT3	0.0843677	6.086796082	2.262988	0.0309586	0.0781313	-4.55791
RYR3	0.0843032	5.994439018	2.182418	0.0369607	0.0909949	-4.71539
LOC102724849	0.0837373	5.984722494	2.05137	0.048962	0.1153184	-4.96258
FLT3	0.0836619	6.297244662	2.061245	0.0479505	0.1132521	-4.94435
LOC101928778	0.0835635	5.940143767	2.141509	0.04039	0.0981207	-4.79377
TM4SF4	0.0823278	5.891782562	2.125782	0.041782	0.1008502	-4.82361
POT1	0.0820217	6.09531825	2.221567	0.033925	0.0844317	-4.63938
KRTAP5-11	0.0819996	6.104157203	2.095819	0.0445525	0.1064443	-4.88001
KRTAP6-2	0.0819337	6.01024237	2.086571	0.0454399	0.1082712	-4.8973
IFT81	0.0818147	6.171854067	2.61347	0.0138243	0.0390994	-3.82791
WIPF1	0.0817966	6.018699084	2.975741	0.0056962	0.0183368	-3.00579
IFT74-AS1	0.0817327	5.994611934	2.682998	0.0117068	0.0339059	-3.67507
PIF1	0.0816968	6.123784054	2.974475	0.0057143	0.0183891	-3.00877
ARL6	0.0816833	5.964225684	2.952987	0.0060309	0.0192728	-3.05922
OCM2	0.0813387	5.890245139	2.540319	0.0164315	0.0453353	-3.98598
JAKMIP2	0.0812776	6.160227734	2.492054	0.0183925	0.0499308	-4.08868
CCNL2	0.0812273	6.425883271	2.393757	0.023066	0.0606662	-4.29381
SCN10A	0.0810576	5.976968426	2.240962	0.0325056	0.0813688	-4.60136
C18orf54	0.0803779	6.281257951	2.475892	0.0190957	0.0515587	-4.12278
DBF4	0.0800701	6.221622769	2.224973	0.0336718	0.0838985	-4.63272
CXCL11	0.0797927	6.004831382	2.293716	0.0289112	0.0736237	-4.49678
STYX	0.0795572	6.006084782	2.435733	0.0209514	0.055877	-4.20689
LINC01335	0.0793414	5.825167364	2.531049	0.0167925	0.046221	-4.0058
CLEC1A	0.0792036	5.79415456	2.12819	0.0415662	0.1004214	-4.81905
MRPS31P5	0.0784832	6.050219722	2.352503	0.0253321	0.0657354	-4.37823
ING5	0.0784529	6.156749904	2.587967	0.0146864	0.0411834	-3.88334
LOC101927410	0.0782024	6.060868975	2.362174	0.0247834	0.0644461	-4.35853
LOC100288590	0.077888	6.140167418	2.116671	0.0426078	0.1024833	-4.84082
POU2AF1	0.0773888	6.234822554	2.091319	0.0449824	0.1073129	-4.88843
UTP20	0.0771842	6.089568901	2.550281	0.0160515	0.0444463	-3.96462
LOC105378130	0.0770613	6.02862737	2.27063	0.0304376	0.0769465	-4.54276
IQCD	0.0769651	5.857880685	2.138772	0.0406293	0.0986007	-4.79897
RASL10B	0.0762909	5.941366531	2.209158	0.0348621	0.0864867	-4.66358
PLEKHG7	0.0752209	6.248192253	2.062709	0.0478021	0.1129978	-4.94165
LINC01271	0.0746761	5.878861144	2.045773	0.0495437	0.1165469	-4.97289
LILRA1	0.0746693	6.038170431	2.14622	0.0399812	0.0973078	-4.7848
AP1AR	0.0735386	6.173069465	2.264324	0.0308669	0.0779307	-4.55526
GRK4	0.0730982	6.193075857	2.786506	0.0091075	0.0273449	-3.44304
NRG1	0.0729162	6.158377009	2.485716	0.0186654	0.0505727	-4.10207
NUF2	0.0727497	5.97423153	2.115844	0.0426834	0.1026487	-4.84238
NTS	0.072266	5.907353618	2.326304	0.0268743	0.0690814	-4.43132
AKAP14	0.0722495	5.836071029	2.142726	0.040284	0.097922	-4.79145
PLET1	0.0710716	6.015410921	2.142762	0.0402809	0.097922	-4.79138
TNRC6C	0.0708031	5.969924466	2.131614	0.0412609	0.0998214	-4.81256
MB	0.0705083	6.008371715	2.233864	0.0330187	0.08243	-4.6153
LINC00261	0.0702847	6.266417739	2.122794	0.0420513	0.1014299	-4.82926
RNF128	0.0696621	6.56175321	2.365513	0.0245965	0.0640663	-4.35171

OR10J1	0.0695941	6.202001769	2.236091	0.032857	0.0821002	-4.61093
TTY13	0.0690292	5.85364495	2.240247	0.032557	0.0814554	-4.60277
RNF32	0.0690221	6.03365623	2.179732	0.0371776	0.0913666	-4.72057
CILP	0.0679873	6.194706795	2.096032	0.0445322	0.1064353	-4.87961
FAM209B	0.067377	6.262778175	2.042289	0.0499089	0.1172781	-4.97929
KIR3DL3	0.0672539	6.038534714	2.469158	0.019396	0.0522907	-4.13695
HNRNPA1L2	0.0667332	6.046527441	2.406238	0.0224177	0.0591939	-4.26807
CRYBA2	0.0666671	6.041115177	2.803091	0.008745	0.0264545	-3.40538
KLRC2	0.0665278	5.950595267	2.241644	0.0324567	0.0812673	-4.60002
TEKT5	0.0656461	5.835642768	2.179757	0.0371756	0.0913666	-4.72052
MCTP1	0.0645092	5.874444498	2.153436	0.039362	0.0959211	-4.77103
PDE5A	0.0643245	6.211374858	2.066768	0.0473927	0.1121805	-4.93413
PBLD	0.0638209	6.105163965	2.09461	0.0446676	0.1066931	-4.88228
C9orf172	0.0636682	5.955310714	2.113815	0.0428697	0.1030582	-4.84621
GABRR2	0.0613776	6.027551164	2.431093	0.0211761	0.0563833	-4.21654
F8	0.0604288	6.120024568	2.144629	0.0401188	0.0975937	-4.78783
CFAP58	0.0588518	6.155973519	2.070749	0.0469943	0.1113597	-4.92675
MEI1	0.0587957	6.131192422	2.242992	0.0323601	0.081057	-4.59737
LIG4	0.0567841	6.171028802	2.053764	0.0487151	0.1147786	-4.95817
SYCP3	0.053364	6.080754861	2.093664	0.0447579	0.1068562	-4.88405
AKAP12	-0.056536	6.330267637	-2.11048	0.043177	0.1036198	-4.85248
AFF3	-0.059483	5.991082059	-2.09699	0.0444413	0.106244	-4.87782
PKHD1	-0.059944	6.187914946	-2.13927	0.0405854	0.0985436	-4.79802
HAPLN1	-0.06021	5.862740912	-2.13227	0.0412024	0.0997172	-4.81131
POTEA	-0.060309	6.028508665	-2.24001	0.0325742	0.0814879	-4.60324
C12orf40	-0.060722	5.931287709	-2.37459	0.0240948	0.0629711	-4.33315
KCNC4	-0.060918	6.020006208	-2.15499	0.0392299	0.0956593	-4.76806
MADCAM1	-0.061534	6.069314746	-2.06918	0.0471509	0.1116443	-4.92966
GTF2A1L	-0.063137	5.992312754	-2.2194	0.0340868	0.0847366	-4.64361
PRELID2	-0.063628	6.054926807	-2.46039	0.0197933	0.0531978	-4.15535
NAIP	-0.064262	6.029406953	-2.12219	0.0421056	0.1015233	-4.8304
TRPM8	-0.06488	5.897676514	-2.10355	0.0438225	0.1049716	-4.86552
CSF1	-0.066026	5.941704669	-2.37824	0.0238955	0.0625427	-4.32567
TMEM151A	-0.066787	6.019916518	-2.53336	0.0167018	0.045991	-4.00086
OR6Y1	-0.06724	5.899785087	-2.23029	0.0332799	0.083018	-4.62231
BTNL3	-0.067407	5.996857846	-2.99148	0.0054751	0.017695	-2.96872
CT45A5	-0.067856	5.929725082	-2.99334	0.0054494	0.0176185	-2.96432
DGKZ	-0.068077	5.946681883	-2.28361	0.0295707	0.0750778	-4.51695
MIXL1	-0.069487	5.772402508	-2.29891	0.0285777	0.0728903	-4.48639
XKR3	-0.069586	5.776408972	-2.30871	0.0279572	0.0715052	-4.46674
DNAAF5	-0.069763	6.51748709	-3.00716	0.0052628	0.017089	-2.93165
ERAS	-0.070406	5.972381363	-2.34714	0.025641	0.0664215	-4.38913
TNMD	-0.070455	6.259190145	-2.11971	0.042331	0.1019906	-4.83509
EXOC3L1	-0.071195	6.185601701	-2.34557	0.025732	0.0666305	-4.39231
ABHD2	-0.071236	6.271342154	-2.76987	0.009485	0.02826	-3.48068
ALPL	-0.071916	6.156507073	-2.05819	0.048261	0.1138746	-4.94999
LOC148709	-0.071951	6.043482367	-2.30144	0.0284161	0.072545	-4.48132
ANO7	-0.071971	6.13041527	-2.11242	0.0429984	0.1032768	-4.84884
ZNF114	-0.072357	6.135403891	-2.11278	0.0429647	0.1032099	-4.84815
ASCL3	-0.072451	5.940872264	-2.44231	0.0206367	0.0551409	-4.19318
ZNF676	-0.072561	5.955572386	-2.04152	0.04999	0.1173833	-4.9807
RPS5	-0.07271	14.63253703	-2.13528	0.0409365	0.0991604	-4.80561
PCDHGA3	-0.073178	6.042458675	-2.06558	0.0475123	0.1124086	-4.93633
CD84	-0.073424	6.214490017	-2.25896	0.0312362	0.0787208	-4.56587
FAM71F2	-0.073528	6.037578065	-2.10285	0.0438882	0.1050798	-4.86683
PQLC2	-0.073806	6.202313677	-2.16514	0.0383758	0.0938929	-4.74862
C17orf47	-0.074305	6.300733887	-2.1728	0.037743	0.0925336	-4.73392
EMILIN1	-0.074426	6.008692996	-2.15769	0.0390013	0.0952214	-4.7629
MDK	-0.074558	6.159708131	-2.31235	0.0277298	0.071017	-4.45942

OR1E2	-0.074603	5.932523531	-2.27312	0.0302698	0.0765521	-4.53782
SORBS1	-0.074838	6.30733383	-2.13753	0.0407381	0.0988278	-4.80133
RPL18A	-0.074867	14.6322175	-2.46372	0.0196414	0.0528336	-4.14836
UNKL	-0.074879	6.18413255	-2.09067	0.045045	0.1074481	-4.88965
PLEKHG5	-0.075155	6.117082427	-2.60326	0.0141635	0.0399017	-3.85013
RTSL1	-0.075289	6.307138664	-2.5641	0.0155381	0.0431848	-3.93491
FOXK2	-0.07538	6.293156905	-2.6647	0.0122328	0.0351931	-3.71554
OPRL1	-0.07541	6.204383175	-2.57205	0.0152495	0.042535	-3.91777
AQP12B	-0.075496	5.887700487	-2.18141	0.0370418	0.0911598	-4.71733
PPM1H	-0.075674	6.203112324	-2.32022	0.0272443	0.0699398	-4.44358
GRIK2	-0.076014	6.063910809	-3.09451	0.0042164	0.0141384	-2.7234
ADH4	-0.076194	5.897592658	-2.47761	0.0190198	0.0514073	-4.11916
LRRC74A	-0.076698	6.158495007	-2.10979	0.0432415	0.1037336	-4.8538
RPLP2	-0.077072	14.58355892	-2.46915	0.0193965	0.0522907	-4.13697
ABHD17A	-0.077236	5.975661252	-2.61618	0.0137354	0.0388932	-3.82199
RBPMS	-0.07747	6.029064803	-2.35069	0.0254359	0.0659759	-4.38191
RNF113B	-0.077512	6.306047501	-2.09274	0.0448459	0.107053	-4.88577
KRT20	-0.077781	6.091071913	-2.58678	0.0147276	0.041281	-3.8859
ZNF491	-0.07783	6.157360097	-2.21944	0.0340837	0.0847366	-4.64353
DUSP13	-0.078183	6.285341492	-2.37991	0.0238052	0.0623317	-4.32226
LOC286087	-0.078415	5.847449686	-2.87903	0.0072517	0.022544	-3.23128
GLYAT	-0.078983	6.008487266	-2.45572	0.020008	0.0536857	-4.16514
GDPGP1	-0.079066	6.010609326	-2.0733	0.046741	0.1108813	-4.92202
LLGL2	-0.079066	6.279631294	-2.71611	0.0108082	0.0316579	-3.60142
AGAP1	-0.079146	6.702803369	-2.37746	0.0239383	0.0626296	-4.32728
RNF126P1	-0.079148	6.377196144	-2.56552	0.0154861	0.0430527	-3.93185
KLC4	-0.079513	6.103207516	-2.08552	0.0455414	0.1084332	-4.89926
KCNJ5	-0.079622	6.198016088	-2.48088	0.018876	0.0510862	-4.11227
FMNL1	-0.07994	6.205635332	-2.06663	0.0474068	0.1122001	-4.93439
ARID5A	-0.080163	6.046139472	-2.84104	0.007966	0.0244048	-3.31872
IGSF11	-0.080341	6.259025451	-2.73589	0.0103024	0.0303386	-3.55715
GKN2	-0.080345	6.070650293	-2.09775	0.0443693	0.1060982	-4.8764
DPEP3	-0.08042	6.084279304	-2.26168	0.0310488	0.0783283	-4.5605
DPP10	-0.080656	6.134037937	-2.4271	0.0213712	0.056834	-4.22485
PPP1R3B	-0.08147	6.154266538	-2.17066	0.0379189	0.0929177	-4.73803
LOC729307	-0.081574	6.003424361	-2.65506	0.0125184	0.0359243	-3.73678
CD177	-0.081664	6.052842655	-2.20943	0.0348412	0.0864458	-4.66305
PPP6R2	-0.08179	6.539931838	-2.14993	0.0396622	0.0965919	-4.77773
ATR	-0.082052	6.075084935	-2.23599	0.0328646	0.0821063	-4.61114
ADD2	-0.082102	6.044759369	-2.92213	0.0065145	0.0205853	-3.1313
FAM124A	-0.082227	5.791271818	-2.15805	0.0389706	0.0951585	-4.76221
NPY4R	-0.082655	5.931823892	-2.45203	0.0201791	0.0541	-4.17286
STMN4	-0.082748	5.883404132	-2.29973	0.028525	0.0727752	-4.48474
PRX	-0.082924	6.143993622	-2.65857	0.0124139	0.0356453	-3.72906
STRN	-0.083163	7.253264309	-2.24661	0.0321022	0.0805149	-4.59024
GLP1R	-0.083284	6.077810603	-2.20065	0.0355181	0.0878447	-4.68012
GAGE7	-0.083426	6.237646677	-2.04431	0.0496967	0.1168643	-4.97557
DTNA	-0.083498	6.059246117	-2.50192	0.0179748	0.0489476	-4.06778
SSUH2	-0.083648	6.108692843	-2.80739	0.0086532	0.0262164	-3.39559
KCNIP2	-0.083747	6.01289419	-2.56338	0.0155641	0.0432325	-3.93645
SOWAHA	-0.083915	6.184291181	-2.04171	0.0499694	0.1173776	-4.98035
OR52A5	-0.084334	6.437425603	-2.82314	0.0083248	0.025356	-3.35966
PPM1G	-0.084606	8.618692358	-2.1141	0.0428435	0.103008	-4.84567
TOPAZ1	-0.084695	6.006769553	-2.25523	0.0314956	0.0792907	-4.57324
TRPA1	-0.084743	5.963728841	-2.27146	0.0303818	0.0768254	-4.54112
ARSB	-0.084889	6.170548268	-3.07097	0.004477	0.014879	-2.77983
ZNF843	-0.084974	6.08152813	-2.49464	0.0182821	0.0496659	-4.08321
KCNQ2	-0.085211	6.221568254	-3.10192	0.0041374	0.0139001	-2.7056
ELMO1	-0.08581	6.403331509	-2.95658	0.0059769	0.0191261	-3.0508

LOC104613533	-0.08613	5.969767488	-2.48977	0.0184905	0.0501467	-4.09351
HOXB3	-0.08623	6.139310081	-2.17782	0.037333	0.0916556	-4.72426
ZNF623	-0.086447	6.266545549	-2.368	0.0244579	0.0637568	-4.34663
PADI2	-0.086991	6.208271081	-2.13832	0.040669	0.0986848	-4.79983
FBXO10	-0.087003	6.115218482	-2.08348	0.0457395	0.1088381	-4.90306
TAL2	-0.087366	6.202393601	-2.04498	0.0496272	0.116715	-4.97435
SNPH	-0.087582	6.290898035	-2.11047	0.043178	0.1036198	-4.85251
ADORA1	-0.087663	6.242781486	-2.31904	0.0273166	0.0700904	-4.44596
BCL2L11	-0.087818	6.283361691	-2.16692	0.0382284	0.093558	-4.74522
DENND1C	-0.088657	6.118964689	-2.07164	0.0469052	0.1111757	-4.92509
EFR3B	-0.088665	6.049806256	-2.43949	0.0207712	0.0554574	-4.19906
CCM2L	-0.08882	5.967866259	-2.33792	0.0261802	0.0675927	-4.40783
SLC16A1	-0.089494	6.035405736	-2.07038	0.0470313	0.1114337	-4.92743
BRS3	-0.089654	6.083382956	-2.16276	0.0385745	0.0942624	-4.75318
PTPRN	-0.089753	6.008520156	-2.05721	0.0483615	0.1140562	-4.95181
DMPK	-0.089983	6.289115498	-2.28515	0.0294691	0.0748658	-4.51387
APOC4	-0.090401	6.010653824	-2.40674	0.0223922	0.0591426	-4.26704
ITIH5	-0.090442	7.624511388	-3.57176	0.001208	0.0046997	-1.536
SLC23A2	-0.090672	6.398173374	-2.95887	0.0059426	0.0190355	-3.04543
DKKL1	-0.090747	6.266047665	-2.18795	0.0365177	0.0900185	-4.70472
SLC16A8	-0.090963	6.159020732	-2.80975	0.0086033	0.0261017	-3.39021
LOC105375787	-0.091239	6.02895082	-2.62626	0.0134098	0.0381231	-3.79998
LGALS9C	-0.091436	6.031602393	-3.11427	0.0040089	0.0135079	-2.67587
CGREF1	-0.091528	6.060627916	-2.05545	0.0485417	0.1144395	-4.95506
SKIDA1	-0.091567	6.258044928	-2.82299	0.0083279	0.0253614	-3.36
DOK3	-0.09211	5.895312484	-2.14054	0.0404745	0.0982866	-4.79561
SLITRK1	-0.092116	6.012651988	-2.90427	0.0068109	0.0213861	-3.17282
FIBIN	-0.092154	6.139231118	-2.37921	0.0238429	0.0624219	-4.32368
GRIK1	-0.092402	5.964367995	-2.77876	0.0092815	0.0277473	-3.46058
GNAT1	-0.092422	6.472425985	-2.0492	0.0491872	0.1157645	-4.96659
NRF1	-0.092427	6.202072709	-2.44789	0.020373	0.054522	-4.18153
PLP1	-0.092747	6.16526175	-2.78359	0.0091725	0.0274808	-3.44964
AMER2	-0.09314	6.161460408	-2.92563	0.0064579	0.0204368	-3.12314
NID1	-0.09342	6.020211914	-2.6411	0.0129436	0.0369859	-3.76748
LOC729558	-0.093509	6.422138682	-2.46851	0.0194252	0.0523465	-4.13832
LHX5	-0.093849	6.055331463	-2.27414	0.0302009	0.0763978	-4.53579
UBXN11	-0.094012	6.400660109	-2.89611	0.0069507	0.0217614	-3.19176
VT11A	-0.094025	6.158228522	-2.11024	0.0431994	0.1036483	-4.85294
PPP5C	-0.094272	6.270504026	-2.07887	0.0461903	0.1097493	-4.91165
DOC2B	-0.094398	6.083554365	-2.08637	0.0454595	0.1083047	-4.89768
ABCC8	-0.094812	5.915310334	-2.26718	0.0306717	0.0774879	-4.5496
FGF16	-0.095163	5.830783454	-2.11894	0.0424005	0.1021202	-4.83653
B3GAT1	-0.09539	6.119526427	-2.12717	0.0416575	0.1006007	-4.82098
PLA2G12B	-0.095506	6.238499977	-2.44504	0.0205072	0.0548357	-4.18748
SRPX2	-0.095719	5.896974752	-2.14449	0.0401311	0.0975991	-4.7881
GANC	-0.095825	6.0284984	-2.19	0.0363543	0.089684	-4.70074
CECR1	-0.095914	6.178558356	-2.18577	0.0366912	0.0904233	-4.70891
MPG	-0.095923	6.137980912	-2.57424	0.0151707	0.0423274	-3.91303
IFNB1	-0.096379	5.765799204	-2.58886	0.0146553	0.041108	-3.8814
SLC16A11	-0.096386	6.152432063	-2.35869	0.0249796	0.0649337	-4.36563
GPR152	-0.096463	5.894353945	-2.61042	0.0139248	0.0393378	-3.83455
VAPB	-0.096495	6.146824354	-2.26959	0.030508	0.0771145	-4.54482
OR8B12	-0.097039	6.119160296	-2.22329	0.0337969	0.0841453	-4.63602
CCDC82	-0.097123	5.90127444	-2.30718	0.0280536	0.0716949	-4.46982
LY6G5C	-0.097158	5.998026566	-2.36429	0.024665	0.0641932	-4.35422
PDLIM2	-0.097374	6.092012972	-2.3445	0.0257947	0.066784	-4.3945
ZFP41	-0.097677	6.100500212	-2.52162	0.0171673	0.0470789	-4.02592
PCDHGA5	-0.09782	6.085401165	-2.80486	0.0087072	0.0263594	-3.40136
LRCH1	-0.097861	6.059658157	-2.22343	0.0337865	0.0841302	-4.63574

ST3GAL1	-0.097939	6.303457936	-2.40515	0.0224738	0.0593176	-4.27032
SLC3A1	-0.098138	5.950472936	-2.71412	0.0108604	0.0317675	-3.60587
MESDC2	-0.098633	6.173269785	-2.25329	0.0316313	0.0795395	-4.57708
EVC2	-0.098699	6.606630973	-2.36468	0.0246432	0.0641537	-4.35342
RGS9BP	-0.098784	6.126825381	-2.11289	0.0429545	0.103202	-4.84794
ZNF607	-0.09903	6.019101556	-2.23911	0.0326386	0.0816069	-4.605
TMOD1	-0.099083	6.003191685	-2.23716	0.0327797	0.0819282	-4.60884
NOM1	-0.099158	6.198309691	-2.18515	0.0367411	0.0905003	-4.71012
GPR150	-0.099287	6.061877329	-2.24494	0.032221	0.0807189	-4.59353
MARK4	-0.100166	6.208591573	-2.1082	0.0433881	0.1040597	-4.85677
PRDM13	-0.100292	6.168617858	-2.29289	0.0289644	0.0737218	-4.49842
CACNA1A	-0.100352	5.824927768	-3.05061	0.0047148	0.0155385	-2.82846
ATP2B2-IT2	-0.100482	6.092915669	-2.23303	0.0330795	0.0825606	-4.61694
SCN3A	-0.10069	6.914959628	-2.64044	0.0129639	0.0370193	-3.76892
MLN	-0.100836	5.966762645	-2.73177	0.010406	0.0305967	-3.5664
BPIFB3	-0.101283	5.929841203	-2.45098	0.0202282	0.0542017	-4.17506
LOC101928532	-0.101291	6.171958003	-2.17792	0.0373244	0.0916473	-4.72406
CPA2	-0.101663	5.865822446	-2.22863	0.0334015	0.0832998	-4.62556
NEIL1	-0.101674	6.6824305	-2.13229	0.0412008	0.0997172	-4.81128
HGSNAT	-0.101735	6.192888903	-3.66065	0.0009512	0.0037903	-1.30687
AMIGO2	-0.10179	6.347593625	-2.11191	0.0430449	0.1033514	-4.84979
CHKA	-0.101925	6.218178993	-3.40482	0.0018833	0.0069544	-1.96006
AP4S1	-0.101935	6.801815778	-2.12491	0.0418606	0.1010078	-4.82526
MYBPC2	-0.101987	5.965618095	-2.061	0.0479757	0.1132903	-4.94481
CNTNAP1	-0.102028	6.09309967	-2.06245	0.0478286	0.113033	-4.94213
ACSS3	-0.10204	6.011002786	-2.09378	0.0447472	0.1068437	-4.88384
RPS6KA2-AS1	-0.102225	6.065231526	-2.09491	0.0446388	0.1066374	-4.88171
TACR2	-0.102373	6.115145162	-2.12268	0.0420616	0.1014299	-4.82948
ASTN2	-0.102387	6.129978283	-3.96129	0.0004191	0.0018644	-0.51703
POLR1A	-0.102392	6.126499787	-2.17792	0.0373249	0.0916473	-4.72407
BBS5	-0.103108	6.177710877	-2.5254	0.0170162	0.0467507	-4.01787
KISS1R	-0.103141	6.086435495	-2.18097	0.0370776	0.091225	-4.71819
NOXO1	-0.103208	6.339749814	-3.11853	0.0039653	0.0133728	-2.66559
ANKH	-0.103647	6.068326309	-2.13609	0.040865	0.099049	-4.80407
VEPH1	-0.103733	5.964642257	-2.69428	0.0113929	0.0330759	-3.65003
SLC6A19	-0.103809	5.82719162	-2.18953	0.0363917	0.0897422	-4.70165
SEC16B	-0.104012	6.096245692	-2.13548	0.0409184	0.0991535	-4.80522
GRK1	-0.104306	6.094389571	-2.46559	0.0195567	0.0526423	-4.14444
NXPH3	-0.104402	6.125117517	-2.13509	0.040953	0.0991879	-4.80597
TINAGL1	-0.104558	5.969169829	-2.0635	0.0477217	0.1128354	-4.94018
OR2H1	-0.105155	5.782884599	-2.23793	0.0327239	0.0817992	-4.60732
EHMT1	-0.105157	6.27002408	-2.45004	0.0202723	0.0542974	-4.17704
HS6ST1	-0.105223	6.550092428	-2.71956	0.0107182	0.031418	-3.59371
AJUBA	-0.105389	6.684862553	-2.26432	0.0308671	0.0779307	-4.55526
FGF17	-0.105604	6.239297535	-2.24732	0.0320521	0.0803995	-4.58885
COL12A1	-0.1063	6.706815544	-2.40877	0.0222883	0.0589243	-4.26284
TNFAIP8L2	-0.10635	6.19444183	-2.2138	0.0345091	0.0856985	-4.65454
CRYM	-0.10639	6.087244379	-2.54846	0.0161202	0.0445794	-3.96852
ADCY10	-0.106465	6.077763196	-2.20265	0.0353627	0.0875383	-4.67623
PCDHA11	-0.10652	6.245053249	-2.36214	0.0247854	0.0644461	-4.3586
ANKRD13B	-0.106748	6.251863424	-2.39909	0.0227869	0.060046	-4.28282
GGA1	-0.106972	6.220951941	-2.93367	0.0063295	0.0200981	-3.10439
SLC16A13	-0.107011	6.210207436	-2.27645	0.0300461	0.0760956	-4.5312
EGFL7	-0.107181	6.049598252	-2.7911	0.0090058	0.0270982	-3.43263
EGFR	-0.107375	7.343806414	-3.07981	0.0043775	0.014615	-2.75868
GPR62	-0.107492	5.896967241	-2.38537	0.0235114	0.0616288	-4.31106
SLC24A5	-0.107605	5.906494011	-2.17974	0.0371767	0.0913666	-4.72055
C19orf35	-0.107661	6.09282704	-2.69303	0.0114273	0.0331709	-3.65281
ARRDC2	-0.107718	6.409872954	-2.53379	0.0166851	0.0459514	-3.99995

ARNTL2	-0.107721	6.013070314	-2.14575	0.0400217	0.0973942	-4.78569
FSTL4	-0.107732	5.84987997	-2.5213	0.0171801	0.0471074	-4.0266
CRELD1	-0.107746	6.754342722	-2.30126	0.0284279	0.0725655	-4.48169
CBLN4	-0.108106	6.065453389	-2.39398	0.0230543	0.0606438	-4.29335
LTK	-0.108122	6.101321314	-2.52115	0.0171859	0.0471167	-4.02691
UNG	-0.108125	7.681189843	-2.20143	0.0354572	0.0877164	-4.6786
FBXO48	-0.108483	6.301338478	-2.24597	0.0321475	0.0806077	-4.5915
VDR	-0.108486	6.893969461	-2.13057	0.0413539	0.099984	-4.81454
DTX1	-0.108696	6.141246421	-2.16509	0.0383797	0.0938929	-4.74871
YPEL4	-0.108882	6.144804308	-2.07308	0.0467624	0.110905	-4.92242
SDS	-0.109251	6.11444896	-2.35426	0.0252314	0.0654917	-4.37465
CSF2RB	-0.109269	6.021003869	-2.34955	0.0255018	0.0661158	-4.38423
WDR31	-0.109443	6.342720279	-3.23708	0.0029214	0.0102026	-2.37702
NFATC2IP	-0.109638	6.400329524	-3.47877	0.0015483	0.0058498	-1.77327
RHPN1	-0.109677	6.595955004	-2.18038	0.0371249	0.0912949	-4.71931
LOC100996263	-0.109693	6.189583867	-2.0533	0.0487625	0.1148763	-4.95902
MTMR7	-0.109754	5.978218975	-2.63838	0.013028	0.0371666	-3.77345
MAGED2	-0.109956	6.805310758	-2.4686	0.0194212	0.052343	-4.13813
MFAP2	-0.109992	6.019262889	-3.55518	0.0012629	0.0048816	-1.57848
BRSK2	-0.110078	6.12099915	-2.43213	0.0211259	0.0562882	-4.2144
DAB2IP	-0.110284	6.136863433	-2.86557	0.0074975	0.0231929	-3.26233
IGDCC4	-0.110292	6.120337538	-2.2099	0.0348051	0.0863675	-4.66213
SHISA3	-0.110413	5.916766332	-2.6324	0.013215	0.0376395	-3.78654
LINC01364	-0.110765	6.241617972	-2.38866	0.0233356	0.0612545	-4.30429
TRIM46	-0.110856	5.95163627	-2.82626	0.0082612	0.0251957	-3.35254
CEP41	-0.111669	6.828822174	-2.08728	0.0453709	0.1081334	-4.89597
ADAMTSL5	-0.111678	6.274447472	-2.59673	0.0143846	0.0404042	-3.86432
C17orf102	-0.111946	6.075872521	-2.69955	0.0112491	0.0327271	-3.63832
GPR84	-0.112066	6.225095753	-2.39918	0.0227824	0.0600425	-4.28264
RHOF	-0.112106	6.190076242	-2.40413	0.0225262	0.05944	-4.27243
FAM181B	-0.112248	6.090169661	-2.71208	0.0109139	0.0318999	-3.6104
SLITRK5	-0.11248	6.001859594	-2.83518	0.0080818	0.0247167	-3.33214
BCL7A	-0.112561	6.187383575	-2.44921	0.0203109	0.0543887	-4.17876
SLC35F1	-0.112658	6.073521412	-2.66691	0.0121679	0.0350375	-3.71065
SH2D3C	-0.112793	6.341608016	-3.23857	0.0029102	0.0101659	-2.37336
FAM101B	-0.112897	6.295872349	-2.74628	0.010046	0.0297123	-3.53385
TIRAP	-0.112926	6.280230474	-3.08537	0.0043158	0.0144244	-2.74533
TOE1	-0.113145	6.507596215	-2.06568	0.0475022	0.1123984	-4.93615
CCDC157	-0.113327	6.087629393	-2.5862	0.014748	0.0413322	-3.88717
EPB41L1	-0.113413	6.422432509	-2.85616	0.0076741	0.0236449	-3.28399
HHLA3	-0.113486	6.179050217	-2.8471	0.0078477	0.0241034	-3.30481
ALG2	-0.113861	6.378341101	-2.27446	0.0301796	0.0763838	-4.53516
NYX	-0.114042	6.050817788	-2.82128	0.0083631	0.0254488	-3.36393
RHBDL3	-0.114283	6.486045387	-2.20048	0.0355309	0.087865	-4.68044
MEIS3	-0.114347	6.285738755	-2.71545	0.0108255	0.0317038	-3.6029
MAP3K12	-0.114358	6.467126349	-2.07417	0.0466542	0.1107159	-4.92039
KLC2	-0.114525	6.302284799	-4.22582	0.0002014	0.0009911	0.193635
MINOS1	-0.114635	6.34036147	-2.53973	0.0164543	0.0453739	-3.98724
SLC2A9	-0.114699	6.273038319	-3.62688	0.0010419	0.0041084	-1.39418
BRF1	-0.114738	6.243759743	-2.37201	0.0242363	0.0632726	-4.33843
LOC100506271	-0.114751	5.853777519	-2.49663	0.0181978	0.0494912	-4.07901
BAG5	-0.114756	7.991115213	-2.35787	0.0250261	0.0650195	-4.3673
PAX8	-0.114869	6.168061005	-2.06981	0.0470879	0.1115405	-4.92849
ALAS1	-0.115383	6.39482086	-2.56901	0.0153592	0.0428041	-3.92433
COL23A1	-0.115576	6.507427541	-2.66894	0.0121089	0.0348937	-3.70618
B4GALT2	-0.115613	6.404683664	-2.74191	0.0101532	0.0299881	-3.54366
PRKACA	-0.115673	6.307428438	-3.63573	0.0010173	0.0040255	-1.37132
GTPBP3	-0.115789	7.598996349	-2.64346	0.0128707	0.0368155	-3.76229
SMIM10	-0.115988	6.041685939	-2.51515	0.0174285	0.0476944	-4.03969

ADAMTSL4	-0.116609	6.154254692	-2.20903	0.0348718	0.0864941	-4.66383
NLRP6	-0.116609	5.988293616	-2.52416	0.0170657	0.0468268	-4.02051
TNFRSF8	-0.116751	6.11609078	-3.47673	0.0015567	0.0058747	-1.77844
NDUFAF3	-0.116904	7.510778719	-2.67989	0.0117944	0.0341293	-3.68195
SORCS1	-0.117234	6.077248372	-4.2462	0.0001903	0.0009457	0.2489
GLUD2	-0.117293	6.988054504	-2.33828	0.026159	0.067556	-4.4071
SRCAP	-0.11745	6.379740759	-3.13336	0.0038175	0.0129305	-2.62979
CHST10	-0.117526	6.129346611	-2.34737	0.0256278	0.0664049	-4.38866
NLGN1	-0.117552	6.200291168	-2.8948	0.0069733	0.0218225	-3.19479
HOXB8	-0.117639	5.986422057	-2.25367	0.0316051	0.079494	-4.57634
CLTCL1	-0.117709	6.237638522	-2.29367	0.0289145	0.0736237	-4.49688
CDKN2D	-0.117886	7.329239845	-2.09944	0.0442097	0.1057426	-4.87324
KLRG2	-0.11798	6.741771027	-2.66724	0.0121583	0.0350152	-3.70992
GPBAR1	-0.118163	6.276599978	-2.89383	0.0069901	0.0218518	-3.19703
FAM219B	-0.118302	7.674437264	-2.89299	0.0070048	0.021885	-3.199
KPTN	-0.118475	6.283710303	-2.37157	0.0242604	0.0633211	-4.33933
SLAMF8	-0.118769	6.320077221	-2.17872	0.0372592	0.0915324	-4.72251
C11orf49	-0.118951	6.995576774	-2.40999	0.0222259	0.0587915	-4.26031
PCSK6	-0.118983	6.156094094	-3.00555	0.0052842	0.017153	-2.93547
PPP2R2B	-0.119025	6.734307255	-3.33839	0.002243	0.0081001	-2.12634
ARHGEF11	-0.119422	6.530707321	-3.64025	0.001005	0.0039817	-1.35965
TSGA13	-0.119889	6.031457584	-2.56847	0.0153787	0.0428337	-3.92549
CRHR1	-0.120213	6.70100974	-3.07839	0.0043933	0.0146557	-2.76208
FOXE3	-0.120467	6.161174681	-2.84787	0.0078329	0.0240617	-3.30305
FAM186B	-0.120709	6.164416395	-2.45107	0.0202242	0.0541983	-4.17488
MMP11	-0.120762	5.993164644	-3.25291	0.0028038	0.0098434	-2.33809
DDX11	-0.120797	6.298745581	-2.46737	0.0194766	0.0524558	-4.14072
PDE1A	-0.121058	6.603588999	-3.67014	0.0009272	0.0037128	-1.28229
TBC1D24	-0.121059	6.120221215	-3.43565	0.0017359	0.0064742	-1.88239
FANCC	-0.121628	6.396417712	-2.45426	0.0200756	0.0538522	-4.1682
ZFP42	-0.121649	6.161556517	-2.16657	0.0382571	0.0936165	-4.74588
CNIH2	-0.121827	6.461986621	-2.66283	0.0122876	0.0353254	-3.71965
ASL	-0.122021	6.210018938	-3.13542	0.0037974	0.0128714	-2.6248
CPEB2-AS1	-0.122022	6.033009964	-2.43309	0.0210789	0.0561709	-4.21238
ABC8	-0.1221	6.188960329	-2.90064	0.0068728	0.0215421	-3.18126
LOC100505923	-0.122222	6.127957871	-2.32828	0.0267548	0.068829	-4.42732
SLC26A9	-0.12229	6.158130566	-2.96825	0.0058044	0.0186264	-3.0234
MAFK	-0.122366	6.235625032	-2.6001	0.0142703	0.0401443	-3.85702
EFNA5	-0.122427	6.250015592	-2.15739	0.0390268	0.0952597	-4.76348
PWP2	-0.122548	6.484853008	-2.79301	0.0089636	0.0270008	-3.42828
WDR4	-0.122668	7.43700322	-2.47683	0.0190544	0.0514759	-4.12082
CBFA2T2	-0.12335	6.703391909	-2.73057	0.0104364	0.0306654	-3.56909
IFNA10	-0.123425	6.22471721	-2.3394	0.0260933	0.0674491	-4.40484
AMPH	-0.123542	6.324907963	-3.2301	0.0029748	0.0103674	-2.39416
C1QTNF6	-0.123685	6.122121891	-2.90383	0.0068184	0.0214026	-3.17384
MAP4	-0.123788	6.756746832	-2.44469	0.0205238	0.0548726	-4.18821
OTOF	-0.123918	6.26745593	-2.20179	0.0354294	0.0876591	-4.6779
SLC2A11	-0.12406	6.358799615	-4.22962	0.0001993	0.0009834	0.203919
KCNK10	-0.124118	6.510337277	-5.07206	1.85E-05	0.0001233	2.527718
BACH1	-0.124465	5.988095313	-2.45968	0.0198261	0.0532639	-4.15685
MMRN2	-0.124566	6.198129197	-2.50672	0.0177748	0.0485187	-4.0576
BCAM	-0.124616	6.216225665	-3.0332	0.0049275	0.0161246	-2.8699
PRR3	-0.124749	6.661592212	-2.44235	0.0206349	0.0551409	-4.1931
MLLT1	-0.124756	6.133137604	-2.25372	0.0316011	0.079494	-4.57623
MKNK1	-0.124982	7.217892908	-2.57924	0.0149927	0.0419271	-3.90223
RUNX1	-0.124985	6.59740114	-2.12207	0.0421169	0.1015253	-4.83063
FAM19A5	-0.125213	6.184211995	-2.93922	0.0062423	0.0198544	-3.09143
COL4A2	-0.125701	6.388515066	-2.73986	0.0102036	0.0301006	-3.54825
LDHD	-0.125801	6.214402876	-2.4517	0.0201944	0.0541336	-4.17355

SCARF2	-0.125932	6.003664377	-2.63895	0.0130102	0.0371324	-3.77219
LHFPL2	-0.126083	6.562695221	-2.13208	0.0412199	0.0997347	-4.81169
NUMBL	-0.126217	6.369729591	-2.12575	0.0417849	0.1008502	-4.82367
SERP2	-0.126544	6.083992477	-2.11123	0.0431081	0.1034851	-4.85108
TMEM132D	-0.126722	5.965481366	-2.43177	0.0211432	0.0563267	-4.21514
AVPR1B	-0.126801	5.99407045	-3.07598	0.0044204	0.0147282	-2.76785
DTNBP1	-0.126856	6.714977217	-2.75392	0.009861	0.0292364	-3.51666
LOC101927331	-0.126898	6.394129783	-2.33454	0.0263805	0.0680012	-4.41467
TMEM110	-0.127104	6.453487162	-2.51428	0.0174642	0.0477701	-4.04155
CEACAM3	-0.12728	6.111616463	-2.91038	0.0067082	0.0210977	-3.15865
IFNA8	-0.127438	7.125397651	-2.36854	0.024428	0.0637044	-4.34552
HOXC6	-0.127461	7.165926209	-3.42898	0.0017668	0.0065755	-1.89922
RAD51D	-0.127705	6.271183097	-3.39056	0.0019555	0.0072031	-1.99587
MAGEB3	-0.127753	6.267286468	-2.37202	0.0242359	0.0632726	-4.33841
SIK2	-0.127834	6.453292718	-2.36677	0.0245265	0.0639099	-4.34915
NPSR1	-0.127977	6.478553528	-3.96364	0.0004164	0.001854	-0.51078
LYSMD1	-0.128046	6.970740154	-2.08061	0.0460197	0.109411	-4.90841
PPP1R9B	-0.128524	6.140079621	-3.1356	0.0037956	0.0128694	-2.62437
F8A3	-0.128538	6.192813805	-3.72764	0.0007936	0.0032345	-1.13276
PILRA	-0.128822	6.424380223	-2.70873	0.0110027	0.0321064	-3.61788
DPH2	-0.128956	7.436813393	-2.55116	0.0160184	0.0443735	-3.96273
KDM8	-0.129073	6.1622274	-2.26093	0.0311004	0.078428	-4.56198
GABRD	-0.12909	6.321372856	-2.37009	0.0243421	0.0634975	-4.34235
PHKG1	-0.129411	6.276395704	-2.9001	0.006882	0.0215673	-3.1825
MAP2K3	-0.129413	6.159778199	-2.82584	0.0082699	0.0252123	-3.35351
MEAF6	-0.129469	7.390269239	-2.05932	0.0481464	0.1136319	-4.94792
BTRC	-0.129498	6.674726399	-2.10739	0.0434635	0.1042148	-4.85829
RAB9B	-0.12962	6.305650864	-2.40921	0.0222658	0.0588729	-4.26192
GAS5	-0.1298	6.160849658	-2.78948	0.0090414	0.0271887	-3.43629
LOXL1	-0.130185	6.028741274	-3.25195	0.0028108	0.0098631	-2.34045
CATSPERG	-0.130206	6.245879137	-3.33014	0.002292	0.0082593	-2.1469
IYD	-0.130226	5.900606941	-2.87153	0.0073877	0.0228993	-3.24859
CHSY3	-0.130435	6.177964207	-2.67849	0.0118342	0.0342291	-3.68505
MAPK11	-0.130438	6.369842956	-2.69958	0.0112483	0.0327271	-3.63825
KBTBD4	-0.130702	7.190335907	-2.75577	0.0098166	0.0291361	-3.51248
GALNT2	-0.13077	6.437337706	-2.31532	0.027546	0.0705931	-4.45346
FAM53A	-0.130827	6.395476678	-2.38145	0.0237218	0.0621301	-4.31909
TRIM39	-0.130903	7.197293696	-2.34238	0.025918	0.0670584	-4.39878
PROSER3	-0.131145	6.340114041	-3.15026	0.0036555	0.012447	-2.58888
REEP2	-0.131149	5.766252405	-2.58043	0.0149505	0.0418213	-3.89966
KRTAP19-6	-0.131205	6.904461387	-2.41652	0.0218962	0.0580228	-4.2468
ZNF473	-0.13144	6.88290485	-3.67736	0.0009093	0.003647	-1.26355
PDE1B	-0.131449	6.124721267	-2.63504	0.0131322	0.037431	-3.78077
C11orf80	-0.131505	7.432626268	-2.79888	0.0088358	0.026653	-3.41496
STK24	-0.131586	8.336311897	-3.06161	0.0045849	0.0151776	-2.80222
SAXO1	-0.131701	6.18153368	-2.23422	0.0329926	0.0823859	-4.6146
KCNJ8	-0.132375	6.360826185	-2.48137	0.0188547	0.0510499	-4.11124
CCDC69	-0.132473	6.163085231	-2.36921	0.024391	0.0636165	-4.34416
HHIPL1	-0.132481	6.308333453	-3.19809	0.0032317	0.0111508	-2.47252
MANBAL	-0.132699	8.778643876	-2.30087	0.0284523	0.0726087	-4.48246
DENND5B	-0.132867	6.317383882	-2.07865	0.0462125	0.1097886	-4.91207
DNAJB3	-0.132968	6.10163612	-2.4709	0.0193177	0.0521145	-4.13328
PPARA	-0.133041	6.610181244	-2.08128	0.0459542	0.109282	-4.90716
TMEM198	-0.133342	6.296337839	-2.57755	0.0150524	0.042064	-3.90588
KRTAP10-11	-0.133485	6.48774654	-2.09243	0.044876	0.1070985	-4.88636
UNC119	-0.134111	7.068134709	-2.68858	0.0115506	0.0334935	-3.6627
LINC01230	-0.13414	6.233198943	-2.51423	0.0174661	0.0477701	-4.04165
DDX19A	-0.134149	8.04142787	-3.32227	0.0023397	0.0084032	-2.16647
DIRAS1	-0.134214	6.082382647	-2.13651	0.0408281	0.0989841	-4.80327

MPEG1	-0.134247	6.307810538	-2.74006	0.0101988	0.0300909	-3.54781
ARFIP2	-0.13447	6.20839468	-2.149	0.0397412	0.0967602	-4.77949
BCL7C	-0.134503	8.118974189	-2.22487	0.033679	0.0839033	-4.63291
RAE1	-0.134552	7.518932184	-3.07731	0.0044054	0.0146834	-2.76466
PFKFB1	-0.134614	6.086415509	-2.27416	0.0301996	0.0763978	-4.53575
HOXC-AS1	-0.134736	6.288824581	-2.51754	0.0173315	0.0474555	-4.0346
HTR1E	-0.134887	6.664507761	-2.82371	0.0083133	0.025325	-3.35838
TRIM17	-0.13546	6.259480677	-2.4257	0.02144	0.0569923	-4.22776
CNNM2	-0.135543	6.536723916	-3.31417	0.0023899	0.0085547	-2.1866
BORCS5	-0.135734	6.550799165	-2.41218	0.0221149	0.0585458	-4.25578
KHK	-0.135907	6.482961891	-3.27692	0.0026339	0.0093269	-2.27887
TRAF4	-0.13595	6.335158896	-2.5062	0.0177966	0.0485536	-4.05872
KIAA1161	-0.135969	6.37112573	-2.66473	0.0122319	0.0351931	-3.71548
NECAB3	-0.136114	6.233259384	-3.29989	0.0024807	0.008849	-2.22202
SLC35G3	-0.136301	6.193948282	-3.90025	0.0004956	0.002159	-0.67909
HGH1	-0.136359	6.183068344	-3.93174	0.0004546	0.0019993	-0.59558
EIF2AK1	-0.136386	11.51555706	-2.19122	0.0362576	0.0894684	-4.69838
ZBTB7A	-0.136468	6.232417909	-2.10169	0.0439971	0.105299	-4.86901
SMAGP	-0.13686	7.849475073	-2.16736	0.0381915	0.0934796	-4.74437
MAMLD1	-0.136897	6.279753675	-3.80432	0.0006443	0.0027084	-0.93211
WHRN	-0.137179	6.752470367	-2.22409	0.0337372	0.0840183	-4.63445
IL18BP	-0.137412	6.482494395	-3.24175	0.0028863	0.0100969	-2.36555
CPT1A	-0.137424	6.248247764	-3.55879	0.0012507	0.0048434	-1.56924
PCGF3	-0.137634	6.341372488	-2.67367	0.0119722	0.0345561	-3.69572
RABL2A	-0.137748	6.462918039	-3.28517	0.0025779	0.0091468	-2.25847
PRR5-ARHGAP8	-0.137808	6.191796164	-2.91619	0.0066118	0.0208521	-3.14514
RASSF10	-0.13783	6.741374897	-2.67459	0.0119459	0.0344955	-3.69369
TBX2	-0.137902	5.983294519	-2.5663	0.0154574	0.0429974	-3.93015
LENG1	-0.137997	6.733242372	-2.32748	0.0268034	0.0689357	-4.42895
RPS3	-0.138015	14.77597267	-2.30485	0.0282004	0.0720322	-4.47449
PDE6B	-0.138474	6.013495053	-2.30015	0.0284982	0.0727163	-4.4839
ZNF160	-0.138932	7.223815876	-2.30856	0.0279665	0.0715195	-4.46703
LINC00161	-0.139286	6.260700557	-3.03031	0.0049637	0.0162347	-2.87677
IL6R	-0.139558	6.173322247	-3.1431	0.0037233	0.0126491	-2.60623
CAMK2A	-0.139657	5.924580342	-3.27884	0.0026208	0.0092851	-2.27414
OR5AU1	-0.1398	6.102272589	-2.72634	0.010544	0.0309539	-3.57857
FUT5	-0.139952	6.252528238	-2.05995	0.0480824	0.1134947	-4.94675
SLC6A15	-0.140111	6.223743984	-3.96931	0.00041	0.0018292	-0.49569
PDAP1	-0.140213	6.132781777	-2.43475	0.0209989	0.0559884	-4.20894
LRFN2	-0.140289	5.864259025	-2.93868	0.0062508	0.0198717	-3.0927
TMEM139	-0.140303	6.153533336	-2.33894	0.0261199	0.067482	-4.40576
PIK3R3	-0.140312	6.367412303	-2.5752	0.0151363	0.0422435	-3.91096
CBX2	-0.140519	6.77441235	-2.48876	0.0185337	0.0502439	-4.09564
TTY10	-0.140697	6.225329621	-2.43093	0.021184	0.0563886	-4.21688
NCF2	-0.140742	6.461457184	-2.1701	0.0379645	0.0930178	-4.7391
ZBTB39	-0.140795	6.645964897	-3.38234	0.0019983	0.0073345	-2.01651
LPIN2	-0.140816	6.866531662	-3.25816	0.0027658	0.0097299	-2.32517
TRAF6	-0.141155	7.170328447	-2.59728	0.014366	0.0403608	-3.86314
PNKD	-0.141182	7.158673194	-2.04154	0.0499881	0.1173833	-4.98067
ZNF8	-0.141297	6.396275138	-3.13028	0.0038478	0.0130148	-2.63722
SMIM12	-0.141331	6.924211367	-2.13799	0.0406975	0.0987415	-4.80045
GPR17	-0.14146	6.094246764	-2.5596	0.0157036	0.0435885	-3.9446
MANEAL	-0.141523	6.054412056	-3.70698	0.0008393	0.0033944	-1.1866
TTC16	-0.141601	7.177095042	-2.15245	0.0394459	0.0961134	-4.77291
ZNF493	-0.141725	6.346901921	-2.42075	0.0216848	0.0575719	-4.23802
CMTR1	-0.141995	6.551580415	-2.4025	0.0226103	0.0596293	-4.27579
CD40	-0.142004	6.877656522	-2.14321	0.0402415	0.0978555	-4.79052
MAML1	-0.142105	6.453020349	-4.06716	0.0003129	0.0014423	-0.23416
BMP8B	-0.142181	6.283236633	-2.22525	0.0336513	0.0838581	-4.63218

CES3	-0.142231	6.167017218	-2.33182	0.0265428	0.0683743	-4.42018
ZBED3	-0.142275	6.061829314	-3.07295	0.0044545	0.0148217	-2.77509
HINFP	-0.142522	7.494365857	-2.33739	0.0262115	0.0676556	-4.4089
CDK5RAP1	-0.142658	7.809300759	-2.43643	0.0209177	0.0558182	-4.20543
BAIAP3	-0.14272	5.973318274	-3.25739	0.0027713	0.0097459	-2.32707
B4GALNT3	-0.142935	5.931503442	-2.16367	0.0384989	0.094137	-4.75145
GPR162	-0.143277	6.497434899	-2.28234	0.0296542	0.0752112	-4.51947
ZSWIM3	-0.14329	6.255471178	-4.51919	8.85E-05	0.0004834	0.994728
PML	-0.143291	6.423009188	-4.71011	5.17E-05	0.0003004	1.521487
SYNGAP1	-0.143443	6.101719228	-2.9395	0.0062379	0.0198438	-3.09077
FAM84A	-0.143463	6.589160334	-2.11297	0.0429469	0.103202	-4.84779
VWA5A	-0.143538	7.555769535	-2.07166	0.0469032	0.1111757	-4.92505
ZNF74	-0.143606	6.729114322	-3.26448	0.0027207	0.0095973	-2.30958
PSRC1	-0.143725	6.58971277	-2.24632	0.0321227	0.0805559	-4.59081
LGALS7	-0.143785	14.43980404	-2.95443	0.0060091	0.019221	-3.05583
MPZL1	-0.143996	7.729333742	-2.0847	0.0456212	0.1086099	-4.90079
COX18	-0.14407	6.332903491	-3.27532	0.002645	0.0093608	-2.28283
LRRC29	-0.144205	6.542273433	-2.52686	0.0169581	0.0466238	-4.01475
UBE2D2	-0.144618	7.558442104	-2.47752	0.0190238	0.0514073	-4.11935
AMY1A	-0.144636	6.399581183	-2.76074	0.0096985	0.0288164	-3.50128
FBN1	-0.145055	6.271802761	-2.30909	0.0279334	0.071463	-4.46597
9-Mar	-0.145111	6.119176292	-2.78742	0.0090871	0.0272933	-3.44097
YY1AP1	-0.145119	7.55863772	-4.0284	0.0003483	0.0015888	-0.33799
PARP15	-0.145178	6.017801476	-2.79935	0.0088256	0.0266334	-3.41389
C14orf1	-0.145184	6.290576368	-2.21567	0.0343677	0.0853911	-4.6509
METTL21B	-0.145595	7.900789874	-3.65	0.000979	0.0038912	-1.33444
PDLIM4	-0.145708	6.275441724	-2.84583	0.0078724	0.0241562	-3.30773
PC	-0.145995	6.419983353	-2.9865	0.0055441	0.0178948	-2.98045
P2RY6	-0.146011	6.438842567	-3.65095	0.0009764	0.0038843	-1.33197
ARNT	-0.146268	6.445122687	-2.51399	0.0174759	0.0477904	-4.04216
RTN3	-0.146431	7.8744227	-2.61115	0.0139009	0.0392874	-3.83298
NFASC	-0.146515	6.548268434	-3.31246	0.0024006	0.0085916	-2.19086
TTC22	-0.146689	6.222798641	-2.74484	0.0100811	0.0298024	-3.53707
LRRTM4	-0.146823	6.592366948	-2.74135	0.010167	0.0300228	-3.54492
NFATC1	-0.146975	6.429392151	-2.57121	0.0152796	0.0426007	-3.91958
SMG6	-0.147009	6.650319265	-3.02468	0.005035	0.0164374	-2.89015
ZNF3	-0.147037	6.636875128	-3.79106	0.000668	0.0027857	-0.96691
BTN3A1	-0.147345	6.810497695	-2.31761	0.0274043	0.0702856	-4.44884
LOC646938	-0.147536	6.613069243	-3.21546	0.0030898	0.0107086	-2.43005
SHMT1	-0.147655	8.076607634	-2.7236	0.0106141	0.0311552	-3.58469
CIITA	-0.147771	6.303987268	-2.73889	0.0102278	0.0301536	-3.55044
NHLRC4	-0.147772	6.46803	-3.79529	0.0006603	0.0027591	-0.95581
NAF1	-0.147807	7.469198065	-2.33386	0.0264211	0.0680968	-4.41605
MAPK8IP2	-0.148055	6.16649117	-3.65315	0.0009707	0.0038638	-1.32629
RGP1	-0.148536	6.345258704	-2.52462	0.0170471	0.0467958	-4.01952
ZKSCAN3	-0.148597	7.018635874	-2.39511	0.0229946	0.0605196	-4.29101
ECE1	-0.148603	6.322621683	-2.79451	0.0089308	0.0269186	-3.42488
TNK2	-0.149132	7.300295695	-2.84991	0.0077935	0.0239634	-3.29836
NKAIN1	-0.149213	6.145307981	-3.36368	0.0020989	0.0076586	-2.06321
KCNJ13	-0.149363	6.176613906	-2.47116	0.0193061	0.0520977	-4.13273
TMEM80	-0.149608	7.103413098	-3.63237	0.0010266	0.0040554	-1.37999
FZD5	-0.149666	6.405857138	-2.4346	0.0210061	0.0559999	-4.20925
GOSR1	-0.1498	7.089730673	-2.58007	0.0149632	0.0418509	-3.90044
PPP1R3F	-0.149842	6.996493826	-2.25355	0.0316133	0.0795043	-4.57657
SLC45A1	-0.150031	6.312585099	-3.4644	0.0016085	0.0060549	-1.80969
ZIC2	-0.150225	6.254007618	-2.4218	0.021633	0.0574658	-4.23586
SLAIN1	-0.150266	6.258872221	-2.38877	0.02333	0.0612527	-4.30407
RALYL	-0.150275	5.535277472	-2.67874	0.0118271	0.0342136	-3.68449
FUT11	-0.15084	6.183446714	-2.9142	0.0066446	0.0209316	-3.14976

COL18A1	-0.151063	7.442664986	-2.22456	0.0337024	0.0839423	-4.63353
HMCES	-0.151235	7.903369411	-3.51643	0.0014006	0.0053469	-1.67748
TTI1	-0.151264	7.155075474	-2.36751	0.0244851	0.0638106	-4.34763
OSBPL7	-0.151287	6.355575018	-4.29628	0.0001654	0.0008375	0.384938
RNF148	-0.151712	6.299054139	-2.94135	0.0062091	0.0197717	-3.08645
ACAD8	-0.151714	7.41334972	-2.92671	0.0064405	0.0203945	-3.12062
HOXA10	-0.151791	6.083575126	-2.10284	0.0438893	0.1050798	-4.86685
GFRA1	-0.151928	6.312119091	-3.75604	0.0007347	0.0030257	-1.05863
REM1	-0.152049	6.051541887	-3.19559	0.0032526	0.0112169	-2.47861
CTRC	-0.152058	6.781419006	-2.91866	0.0065712	0.0207373	-3.13938
C2CD4C	-0.152168	6.384156011	-3.05307	0.0046855	0.0154594	-2.8226
UBE2I	-0.152191	7.520171733	-5.00144	2.26E-05	0.0001471	2.330831
TSR1	-0.152639	7.612963626	-3.29553	0.0025092	0.008934	-2.23283
PXDC1	-0.15271	6.420120847	-2.64673	0.0127704	0.0365634	-3.7551
RPL18	-0.152759	14.41757171	-5.10588	1.68E-05	0.0001134	2.622079
C10orf76	-0.152824	7.6715365	-4.54932	8.13E-05	0.0004485	1.077608
SLC25A20	-0.152892	7.065904119	-2.32478	0.0269666	0.0692912	-4.43439
CYB561	-0.153021	8.364769019	-2.96877	0.0057969	0.0186054	-3.02219
SCGB1C1	-0.153083	6.064037893	-3.07263	0.0044582	0.0148288	-2.77587
GAK	-0.15309	7.053913561	-6.26161	6.44E-07	7.05E-06	5.84371
RGS12	-0.153636	7.768615346	-2.9255	0.0064599	0.0204394	-3.12344
SEMA5B	-0.153636	6.009113997	-2.28345	0.0295811	0.0750943	-4.51726
LRCH3	-0.153713	6.56672963	-2.12361	0.0419776	0.1012649	-4.82772
ZNF565	-0.153736	7.18240066	-3.01456	0.0051655	0.0168125	-2.91415
TMPRSS7	-0.15384	6.583118001	-2.08595	0.0455004	0.1083623	-4.89847
FAM189A1	-0.153859	6.285878402	-2.42721	0.0213658	0.056834	-4.22462
TSPY26P	-0.154002	6.252479365	-3.41636	0.0018267	0.0067687	-1.93101
SLC34A1	-0.154173	6.224690312	-2.72276	0.0106357	0.0312044	-3.58657
SLC39A7	-0.154551	6.71009688	-3.04851	0.00474	0.0156087	-2.83348
ETV2	-0.155109	6.551096173	-2.23059	0.0332579	0.0829736	-4.62172
TOR1A	-0.155158	8.371658826	-3.07753	0.0044029	0.0146775	-2.76412
CARD11	-0.155253	6.926833932	-2.7064	0.0110649	0.0322635	-3.62308
CCDC134	-0.155354	6.406266894	-3.21727	0.0030753	0.010668	-2.4256
RNF166	-0.155575	6.416846397	-2.84816	0.0078271	0.0240516	-3.30237
STEAP3	-0.155766	6.459744607	-2.69133	0.0114744	0.0332777	-3.6566
TIMM10B	-0.155793	7.686985005	-2.13128	0.041291	0.0998694	-4.8132
PROSER2	-0.155805	6.903648203	-2.24583	0.0321578	0.0806231	-4.59179
RILP	-0.155937	7.114239954	-2.32921	0.0266993	0.0687227	-4.42546
PLA2G6	-0.156057	6.52732906	-3.05633	0.0046468	0.0153568	-2.8148
FAM90A1	-0.156385	6.231104998	-2.17111	0.0378816	0.0928381	-4.73716
KEL	-0.156849	6.186305496	-2.51487	0.01744	0.0477124	-4.04029
NRGN	-0.156899	6.18507088	-3.16598	0.0035107	0.0120067	-2.55074
DNAJC11	-0.15715	6.629952399	-3.02454	0.0050368	0.0164404	-2.89048
RBFOX2	-0.157292	7.740851028	-2.79026	0.0090241	0.0271493	-3.43451
KLHL29	-0.157332	6.815037051	-2.20645	0.0350694	0.0869233	-4.66884
TONSL	-0.15796	6.40813998	-2.43643	0.0209178	0.0558182	-4.20543
MATN4	-0.157986	5.981655864	-3.55761	0.0012547	0.0048548	-1.57226
RIN3	-0.158143	6.183475431	-3.99694	0.0003799	0.0017132	-0.42203
SCMH1	-0.158143	6.764434509	-2.41188	0.0221302	0.0585781	-4.2564
ZNF320	-0.158147	6.529776801	-2.68349	0.0116928	0.0338756	-3.67397
SERINC3	-0.15869	7.962939188	-2.53261	0.0167311	0.0460652	-4.00246
PTPRA	-0.158791	7.636557614	-4.91569	2.89E-05	0.0001815	2.092064
ZBTB34	-0.158844	6.923955516	-2.79337	0.0089559	0.0269816	-3.42748
ESPL1	-0.158855	7.37745029	-2.7093	0.0109875	0.0320718	-3.61661
C22orf39	-0.158909	6.733780249	-2.34308	0.0258772	0.0669618	-4.39737
DGKA	-0.158964	7.228870313	-3.66779	0.0009331	0.0037333	-1.28837
BCL7B	-0.158969	7.620642046	-2.11842	0.0424478	0.1021987	-4.83751
IZUMO4	-0.159222	6.283064668	-3.99843	0.0003783	0.0017066	-0.41805
TDP1	-0.159285	7.99083815	-2.17752	0.0373574	0.091704	-4.72484

	12-Sep	-0.159592	6.491020598	-2.11835	0.0424542	0.1021987	-4.83765
WDR45		-0.159599	6.834636118	-2.69245	0.0114435	0.0331979	-3.65411
SYN1		-0.159636	6.115712741	-3.75831	0.0007302	0.003009	-1.05268
SPNS3		-0.159639	5.998987424	-3.67191	0.0009228	0.0036962	-1.27769
ZXDA		-0.159683	6.52768465	-2.48104	0.0188692	0.0510821	-4.11194
	5-Sep	-0.15984	6.417675037	-3.2158	0.0030871	0.010703	-2.42921
ASIC1		-0.159869	6.316913002	-3.24064	0.0028946	0.0101177	-2.36828
DMD		-0.159938	6.424563738	-4.14704	0.0002507	0.0011917	-0.01934
GSR		-0.159975	7.111843209	-2.2613	0.0310749	0.0783841	-4.56125
PEX19		-0.160095	9.091193157	-2.11848	0.0424428	0.1021987	-4.83741
IL1RL2		-0.160476	7.345271136	-2.06303	0.0477691	0.1129336	-4.94104
NDP		-0.160702	6.564067681	-2.68506	0.0116487	0.0337579	-3.67049
TSPYL2		-0.160752	6.743655382	-2.24999	0.0318635	0.0800092	-4.58359
QRICH1		-0.160812	7.63047585	-3.42567	0.0017824	0.0066233	-1.90758
TCF7L1		-0.160849	6.148232409	-3.50358	0.0014494	0.0055125	-1.71021
MRM1		-0.160945	6.17017756	-2.44174	0.0206635	0.0552004	-4.19436
HERC2		-0.161064	8.950907182	-2.32266	0.0270956	0.0695949	-4.43867
SLC26A2		-0.161686	6.561674842	-3.0482	0.0047438	0.0156154	-2.83422
TCP11		-0.162323	6.353162333	-2.18965	0.0363819	0.0897409	-4.70142
UBQLNL		-0.162526	6.377496786	-2.64349	0.0128697	0.0368155	-3.76221
NAAA		-0.162626	8.042391559	-2.29631	0.028744	0.0732567	-4.49159
TDRKH		-0.16272	6.344099396	-2.48257	0.0188021	0.0509219	-4.10871
RPP14		-0.163015	6.046265437	-2.69977	0.0112432	0.0327195	-3.63783
ZNF174		-0.163203	6.777164055	-3.85754	0.0005571	0.0023871	-0.79201
POMK		-0.163272	6.118912699	-3.81194	0.000631	0.0026613	-0.91209
PDPK1		-0.163386	7.237993387	-3.30955	0.0024189	0.0086507	-2.19806
MLX		-0.163463	7.233361551	-2.90526	0.0067942	0.0213473	-3.17052
HOXA7		-0.163546	6.296617183	-3.23115	0.0029668	0.0103431	-2.39159
MCOLN3		-0.1636	6.285584953	-2.6099	0.0139421	0.0393693	-3.83569
PCBP3		-0.16362	6.110679044	-2.90551	0.0067901	0.0213379	-3.16996
ZNF2		-0.163642	6.493710651	-4.10774	0.0002796	0.0013114	-0.12518
BAIAP2L1		-0.163746	8.702781978	-2.27438	0.0301847	0.0763869	-4.53531
C1orf210		-0.164134	6.626554785	-2.12654	0.0417143	0.100705	-4.82218
DBX2		-0.164234	6.507026538	-2.47078	0.0193233	0.0521224	-4.13354
RARG		-0.164317	6.391226246	-2.54999	0.0160626	0.0444579	-3.96525
HAGHL		-0.164351	6.401410043	-3.40868	0.0018642	0.0068891	-1.95035
TRMT44		-0.164353	6.821238763	-2.30682	0.0280762	0.0717432	-4.47054
CDAN1		-0.164401	8.210558718	-2.73826	0.0102435	0.030187	-3.55185
SULT1A1		-0.164616	7.463796027	-2.64189	0.012919	0.0369318	-3.76573
IRF4		-0.164644	6.255501178	-2.55003	0.0160611	0.0444579	-3.96516
STXBP1		-0.164754	6.478604626	-3.80437	0.0006442	0.0027084	-0.93199
ZBBX		-0.165129	6.968601041	-3.17577	0.0034233	0.0117324	-2.52693
TMEM217		-0.165224	6.422596671	-2.70857	0.0110069	0.0321137	-3.61823
SMTN		-0.165393	7.082923877	-2.81764	0.0084382	0.0256531	-3.37223
LSM14B		-0.165564	6.853221928	-2.56699	0.0154323	0.0429462	-3.92867
ODF3B		-0.165571	6.320762584	-3.38821	0.0019676	0.0072397	-2.00178
COMT		-0.16567	9.297139923	-2.24875	0.0319508	0.0802036	-4.58603
ZPLD1		-0.165692	5.793634451	-3.01639	0.0051416	0.0167403	-2.90981
DPP6		-0.165734	6.137618965	-5.84274	2.09E-06	1.90E-05	4.680358
RBBP8NL		-0.166016	6.248378133	-3.44128	0.0017102	0.0063919	-1.86818
GPRC5A		-0.166187	6.210628146	-2.73914	0.0102217	0.0301401	-3.54988
AATF		-0.166531	9.696843239	-2.15645	0.039106	0.095405	-4.76527
FOXO3		-0.16669	7.781473	-2.94958	0.0060826	0.0194197	-3.0672
SLC20A2		-0.166809	8.758527142	-2.10556	0.0436342	0.1045722	-4.86174
ITPKA		-0.167009	6.39989631	-2.86232	0.0075582	0.0233582	-3.26983
ZNF699		-0.167127	6.75653672	-2.87573	0.0073112	0.0226989	-3.2389
HOXA3		-0.167153	6.240212053	-2.41561	0.0219419	0.0581274	-4.24868
RNF114		-0.167338	10.07077465	-2.17372	0.0376674	0.0923716	-4.73215
MOB3C		-0.167406	6.909262438	-3.37025	0.0020629	0.007543	-2.04677

CYTH3	-0.167411	7.231339461	-3.07966	0.0043791	0.014615	-2.75902
ATP6V0A4	-0.167416	6.519576144	-2.62525	0.0134423	0.0382027	-3.8022
SAE1	-0.167557	11.86330749	-3.11206	0.0040315	0.0135772	-2.68118
MFSD14C	-0.167801	7.216174744	-2.2627	0.0309785	0.0781612	-4.55848
PRSS21	-0.168056	6.285968717	-2.54011	0.0164394	0.0453457	-3.98642
LATS2	-0.168162	6.836808407	-2.5764	0.0150936	0.0421487	-3.90837
PLPPR4	-0.16836	5.974237358	-3.38783	0.0019696	0.0072441	-2.00272
FAM131C	-0.168398	6.274024316	-3.80785	0.0006381	0.0026865	-0.92282
SLC7A8	-0.168489	6.74100795	-3.21101	0.0031256	0.0108261	-2.44095
EARS2	-0.168503	8.142363351	-2.84302	0.0079272	0.0242974	-3.31418
DIDO1	-0.168578	6.901315117	-2.7736	0.0093991	0.0280556	-3.47225
CHFR	-0.168633	9.858252524	-2.45766	0.0199187	0.0534758	-4.16108
SEMA4F	-0.168793	6.969350612	-3.47218	0.0015756	0.0059404	-1.78999
PLA2G2F	-0.16888	6.466211128	-2.2176	0.0342223	0.0850626	-4.64713
RBM43	-0.169047	6.861874664	-2.25499	0.0315124	0.0793227	-4.57372
C1QTNF1	-0.169283	6.504066071	-3.0335	0.0049238	0.0161151	-2.86919
TRIM13	-0.169479	7.942595319	-2.12708	0.041666	0.1006007	-4.82116
PHACTR1	-0.169498	6.50863194	-2.64301	0.0128845	0.0368483	-3.76327
GRIPAP1	-0.169769	7.5295688	-2.61943	0.0136299	0.0386622	-3.81492
SLC12A8	-0.169878	6.516936224	-2.71317	0.0108852	0.031821	-3.60798
TGOLN2	-0.170439	9.040420623	-2.31605	0.0275006	0.0704859	-4.45198
FARP1	-0.170457	6.444336545	-4.06412	0.0003156	0.0014521	-0.24232
SIGIRR	-0.170708	6.428751981	-3.34437	0.002208	0.0080009	-2.11143
RCCD1	-0.170736	6.619423003	-3.42165	0.0018014	0.0066863	-1.9177
SFXN3	-0.170769	6.535488288	-3.17105	0.0034652	0.0118675	-2.53841
PCDHB17P	-0.170794	6.435373606	-3.37315	0.0020472	0.0074956	-2.03952
HAGH	-0.170949	9.305500868	-2.12854	0.0415351	0.1003596	-4.81839
TGFB3	-0.170959	6.711797647	-2.59295	0.0145142	0.0407477	-3.87254
MAP3K13	-0.170982	6.64939925	-2.11703	0.0425747	0.1024382	-4.84014
ABCA7	-0.170997	6.769502192	-2.4427	0.0206179	0.0551089	-4.19236
RAI2	-0.171474	6.328164247	-3.65048	0.0009777	0.0038885	-1.33319
USP4	-0.171484	7.604319632	-4.17745	0.0002304	0.0011109	0.06276
FOXK1	-0.171605	6.713008708	-5.21558	1.23E-05	8.72E-05	2.928388
KCNH6	-0.171649	8.140039726	-2.32447	0.0269852	0.0693205	-4.43501
PPARD	-0.171707	6.735582161	-3.75899	0.0007288	0.0030048	-1.0509
MAD2L1BP	-0.17203	7.372727514	-2.78051	0.0092419	0.027646	-3.45662
CALHM2	-0.172215	6.474158192	-3.56615	0.0012263	0.0047642	-1.55039
ZNF483	-0.172242	6.671668993	-2.42709	0.0213717	0.056834	-4.22487
STK19	-0.172419	10.6368617	-2.37128	0.0242769	0.063353	-4.33994
CLEC12B	-0.172727	6.108654721	-3.2685	0.0026924	0.0095095	-2.29967
PRRT1	-0.172796	6.460136086	-3.61054	0.0010887	0.004279	-1.43631
B4GALNT4	-0.172827	6.076173727	-2.39502	0.0229995	0.0605243	-4.2912
RASSF7	-0.172878	10.98857856	-2.33721	0.0262223	0.0676654	-4.40927
RCC1L	-0.173049	6.73929185	-3.00726	0.0052615	0.0170876	-2.93142
C17orf99	-0.17334	6.512692153	-2.13082	0.0413313	0.0999543	-4.81406
ZNF530	-0.173477	6.339267262	-3.53528	0.0013319	0.0051188	-1.62938
PNMA3	-0.17376	5.995358022	-2.19323	0.0360988	0.0891218	-4.69449
PCDHGA10	-0.174025	6.416805401	-4.25501	0.0001856	0.000926	0.272805
RTKN	-0.174255	7.38652302	-4.3193	0.0001551	0.0007917	0.44762
VPS13D	-0.17493	6.626282926	-2.88334	0.0071745	0.022329	-3.22131
AUP1	-0.17502	7.423829455	-2.56966	0.0153357	0.0427448	-3.92293
ZNF799	-0.175151	6.27833018	-2.20676	0.0350459	0.086887	-4.66824
CFP	-0.175301	6.250762499	-2.89268	0.0070102	0.0218984	-3.19972
ALG12	-0.175414	6.720085962	-3.25866	0.0027622	0.0097208	-2.32394
CPNE2	-0.17547	6.305547507	-3.13489	0.0038026	0.0128867	-2.62609
COPS7A	-0.175487	10.77737285	-2.36508	0.0246205	0.0641117	-4.35259
IQCE	-0.175565	6.396164968	-3.26208	0.0027377	0.009647	-2.31551
RNF41	-0.175714	6.81941237	-4.39358	0.000126	0.00066	0.650318
HSPG2	-0.175724	6.334343668	-3.38286	0.0019956	0.0073257	-2.01519

ABCA2	-0.175827	6.335008988	-3.32154	0.0023442	0.0084162	-2.16829
MPV17L2	-0.175967	6.797021627	-2.48972	0.0184926	0.0501467	-4.09362
CACNA2D2	-0.175973	6.423329831	-4.2095	0.0002108	0.0010303	0.149427
MUS81	-0.176138	7.940056305	-2.36113	0.0248423	0.0645852	-4.36066
PLEKHA6	-0.176336	6.266361118	-3.19895	0.0032246	0.01113	-2.47043
CCDC96	-0.176423	6.602862086	-3.20167	0.0032019	0.0110617	-2.46376
ANKRD44	-0.176529	6.321152977	-2.09682	0.0444576	0.1062701	-4.87814
ZNF513	-0.176541	7.288067906	-2.40578	0.0224413	0.0592399	-4.26902
CNP	-0.176882	6.288631064	-5.24596	1.13E-05	8.10E-05	3.013284
KIRREL	-0.177134	6.086573397	-4.36816	0.0001353	0.0007023	0.580863
TMEM121	-0.17727	5.982552599	-4.92438	2.82E-05	0.0001776	2.116255
NACC1	-0.177342	6.454728482	-4.51635	8.92E-05	0.0004869	0.986926
SLC2A4RG	-0.177345	7.821532406	-2.25762	0.0313292	0.078923	-4.56852
C22orf23	-0.177381	6.589947229	-2.25302	0.0316503	0.0795665	-4.57761
C21orf33	-0.177608	8.974704395	-2.12709	0.0416651	0.1006007	-4.82114
TMEM186	-0.177698	6.963072572	-2.51222	0.0175484	0.0479683	-4.04593
CRELD2	-0.178069	10.03692367	-2.55405	0.0159098	0.0440979	-3.95652
ATXN7L2	-0.178154	6.744827112	-2.56384	0.0155474	0.0432027	-3.93547
ADGRG5	-0.178293	6.562835176	-3.13653	0.0037866	0.0128438	-2.62212
GPATCH11	-0.178508	6.37445311	-3.64511	0.0009919	0.0039371	-1.34708
BCL2L13	-0.178595	11.13953763	-2.92159	0.0065234	0.0206032	-3.13257
GAL3ST1	-0.179076	6.144171361	-3.77938	0.0006895	0.0028597	-0.99754
TRAIP	-0.179179	6.671718902	-2.38755	0.0233944	0.0613482	-4.30656
HOXA2	-0.179268	6.473854087	-2.18053	0.0371131	0.0912776	-4.71903
THTPA	-0.179486	6.204234686	-4.10963	0.0002782	0.0013058	-0.12009
KCTD7	-0.17964	6.139988774	-2.77812	0.0092961	0.0277824	-3.46204
SUMF1	-0.179743	9.709694161	-2.58133	0.0149187	0.0417443	-3.89771
HIPK2	-0.179754	6.70987342	-3.0861	0.0043078	0.0144077	-2.74359
RECQL5	-0.179886	6.701506451	-3.99983	0.0003769	0.0017013	-0.41433
ALDH6A1	-0.180235	7.538690156	-2.95028	0.006072	0.0193921	-3.06556
BANP	-0.180386	7.736715135	-3.44592	0.0016893	0.0063223	-1.85645
GTPBP2	-0.180387	6.667501696	-3.33783	0.0022463	0.008108	-2.12774
SGCE	-0.180575	6.155017723	-2.80594	0.0086841	0.0262976	-3.39889
FIGNL2	-0.180618	5.968746391	-4.65286	6.07E-05	0.0003462	1.363159
CHMP4B	-0.181065	10.09942693	-2.31075	0.0278298	0.0712356	-4.46264
HIST1H3A	-0.181211	6.630646484	-2.6135	0.0138232	0.0390994	-3.82783
LRRC28	-0.181258	9.294875756	-2.07747	0.0463286	0.1100105	-4.91426
GOSR2	-0.181408	6.81544068	-3.21498	0.0030936	0.0107199	-2.43121
MED18	-0.181457	6.418793878	-2.48455	0.0187158	0.0507022	-4.10452
C1orf35	-0.182312	9.226109084	-2.39164	0.0231777	0.060927	-4.29817
ZFYVE21	-0.182317	11.59411545	-3.05098	0.0047103	0.0155264	-2.82757
EXT2	-0.182501	7.371247785	-3.14266	0.0037276	0.0126606	-2.6073
WDR5B	-0.182844	6.483588782	-2.65761	0.0124423	0.0357218	-3.73117
FARSB	-0.183023	10.28000068	-3.03447	0.0049117	0.0160809	-2.86689
ERP29	-0.183038	9.425134969	-2.22082	0.0339808	0.0845274	-4.64084
SYT9	-0.18315	6.397645992	-2.50182	0.0179789	0.048952	-4.06799
MGAT3	-0.183189	6.286086376	-3.43155	0.0017548	0.0065323	-1.89275
SEN3	-0.183308	6.480834613	-2.29108	0.0290821	0.0740018	-4.50205
CCNY	-0.183511	8.202259217	-3.97707	0.0004013	0.0017967	-0.47501
RPS6KA2	-0.183517	6.747571495	-3.55497	0.0012636	0.0048835	-1.57903
CPSF2	-0.183628	8.573554939	-3.06199	0.0045805	0.0151681	-2.80131
RAB7A	-0.183798	12.15099521	-2.40136	0.0226692	0.0597521	-4.27814
ZFYVE1	-0.183876	6.680174926	-3.5186	0.0013925	0.0053203	-1.67196
FERMT3	-0.184221	6.677863232	-2.41038	0.0222061	0.0587624	-4.2595
FAM188B	-0.184243	7.033908254	-2.16765	0.0381675	0.0934326	-4.74381
ARHGEF40	-0.184677	6.364522517	-3.0052	0.005289	0.0171626	-2.93631
STOM	-0.184777	8.972148784	-2.10412	0.0437692	0.1048698	-4.86445
STX4	-0.184928	10.44648008	-3.21097	0.0031259	0.0108261	-2.44104
ZNF772	-0.18499	7.31804677	-2.29046	0.0291222	0.0740748	-4.50328

KCNJ12	-0.185002	6.099621878	-2.47432	0.0191653	0.0517393	-4.12608
NIT1	-0.185112	6.824673018	-2.76149	0.0096809	0.0287771	-3.49959
MOCS1	-0.185423	7.119588356	-2.5681	0.015392	0.0428649	-3.92628
ADSSL1	-0.185776	6.895056431	-3.14609	0.0036948	0.012561	-2.59898
TMPRSS4	-0.185804	6.659797177	-2.74309	0.010124	0.0299156	-3.541
MTG1	-0.186122	7.009726564	-2.20179	0.0354295	0.0876591	-4.6779
CERCAM	-0.186192	6.216937763	-3.29812	0.0024923	0.0088788	-2.22643
MAPK8IP1	-0.186303	6.129528348	-2.25711	0.031365	0.0789925	-4.56954
SEMA3A	-0.186554	6.538293134	-2.52701	0.0169522	0.0466144	-4.01443
OR2H2	-0.186685	6.741073962	-2.51676	0.0173632	0.0475288	-4.03626
EXOC7	-0.187126	8.362577551	-3.62002	0.0010613	0.0041806	-1.41187
CC2D1B	-0.187203	6.867657408	-2.41253	0.0220973	0.0585069	-4.25506
EDA	-0.187311	6.416889981	-3.07776	0.0044004	0.0146718	-2.76359
A4GALT	-0.187336	6.301808712	-2.1025	0.0439208	0.1051293	-4.86748
MYO7B	-0.187515	6.117154061	-2.66531	0.0122148	0.0351674	-3.71419
PRR13	-0.187678	9.157662721	-3.86621	0.0005441	0.0023352	-0.76912
NME6	-0.187924	7.607178042	-2.28401	0.0295443	0.0750303	-4.51615
AMBRA1	-0.188017	6.474715607	-3.93291	0.0004531	0.0019943	-0.59248
ACVR1B	-0.188085	7.439061621	-3.8673	0.0005424	0.00233	-0.76623
HNRNPF	-0.188092	7.853246675	-2.448	0.0203678	0.0545155	-4.1813
ZNF575	-0.188225	6.270349717	-3.24248	0.0028808	0.0100834	-2.36376
SLC39A11	-0.188258	8.710403474	-3.34399	0.0022103	0.0080024	-2.11239
RPS2	-0.188294	14.55597427	-4.93052	2.77E-05	0.0001749	2.133323
IRX5	-0.18834	8.700049108	-2.05851	0.0482291	0.1138132	-4.94942
TUBAL3	-0.188397	6.396064406	-2.5586	0.0157406	0.0436852	-3.94675
EIF6	-0.18849	9.185645044	-4.18419	0.0002261	0.0010938	0.080977
CRCP	-0.188568	7.448152272	-2.34693	0.0256533	0.0664446	-4.38956
POLR3D	-0.188569	6.856540857	-2.86927	0.0074293	0.0230185	-3.25381
WTIP	-0.188629	6.677975045	-2.96115	0.0059087	0.0189362	-3.04008
PPP2R2C	-0.188913	8.470594708	-3.18052	0.0033816	0.0116142	-2.51536
APH1B	-0.188947	7.258679614	-2.9275	0.0064279	0.020358	-3.1188
ZNF70	-0.189355	6.48061952	-3.65257	0.0009722	0.0038688	-1.32778
TCAF2	-0.189466	6.585488711	-2.73963	0.0102095	0.0301133	-3.54878
RBM10	-0.189628	8.396070896	-4.53132	8.55E-05	0.0004689	1.028076
SNN	-0.189815	7.201510126	-2.0469	0.049426	0.1162841	-4.97081
SDCBP2	-0.189909	7.707966336	-2.99751	0.0053925	0.0174519	-2.95448
MARS2	-0.189912	7.056603322	-2.67788	0.0118516	0.0342591	-3.6864
KIAA0930	-0.19009	6.487670903	-4.31276	0.000158	0.0008046	0.429788
DAAM2	-0.190094	6.297871301	-3.41597	0.0018286	0.0067731	-1.932
RAB43	-0.190101	6.620291659	-4.02472	0.0003519	0.0016022	-0.34784
CDC14B	-0.190165	8.748309027	-2.76876	0.0095107	0.0283235	-3.48318
FAM69B	-0.190209	6.240743387	-3.94942	0.000433	0.001918	-0.54861
CBLL1	-0.190245	7.987318408	-2.70964	0.0109785	0.0320598	-3.61585
EPG5	-0.19048	6.636238137	-3.21585	0.0030867	0.010703	-2.4291
PHF12	-0.190743	6.515981021	-5.85159	2.04E-06	1.87E-05	4.705009
SPG7	-0.190993	7.727568834	-2.81104	0.0085761	0.0260234	-3.38728
CSNK1E	-0.191427	8.449169561	-3.18085	0.0033787	0.0116064	-2.51455
MRI1	-0.191843	8.697689199	-2.54341	0.0163129	0.0450415	-3.97936
TMEM53	-0.192139	6.631696475	-3.24823	0.0028381	0.0099518	-2.34962
PCDHGB6	-0.192244	6.590574273	-4.43317	0.0001127	0.0005987	0.758663
LMAN1L	-0.192297	6.372895492	-4.10155	0.0002845	0.0013286	-0.14183
VIPAS39	-0.192441	7.911304825	-2.0548	0.0486083	0.1145686	-4.95625
PDZD7	-0.192535	6.144036283	-2.25774	0.0313207	0.0789117	-4.56828
PCDHB5	-0.19262	6.164358247	-4.39594	0.0001251	0.0006562	0.656764
ERVFRD-1	-0.19303	6.336609105	-2.69606	0.0113442	0.0329542	-3.64608
TUBB6	-0.193124	8.964470886	-2.15875	0.0389118	0.0950508	-4.76087
ENKD1	-0.193168	8.348812583	-2.13137	0.0412823	0.0998609	-4.81302
ATP2A3	-0.193192	6.316026502	-2.71444	0.010852	0.0317587	-3.60516
ZNF398	-0.193404	7.035765278	-2.96194	0.0058969	0.0189016	-3.03821

CTNND1	-0.19353	6.642900594	-4.3811	0.0001305	0.0006802	0.616219
TEPSIN	-0.193698	6.917038645	-2.60612	0.0140678	0.0396781	-3.84392
ADCY9	-0.193726	7.033398328	-2.365	0.024625	0.0641148	-4.35276
PCDHGB5	-0.193789	6.419049897	-2.60223	0.0141982	0.0399879	-3.85238
PORCN	-0.193897	6.833627138	-3.88231	0.0005206	0.002255	-0.72657
ARHGEF10L	-0.193914	6.589156826	-4.29934	0.000164	0.0008319	0.39328
IFT22	-0.194406	6.646926486	-2.55219	0.0159795	0.0442785	-3.96051
IGSF21	-0.194431	5.948477431	-2.52841	0.0168964	0.0464806	-4.01143
RRP1B	-0.194496	7.494729323	-2.41639	0.0219026	0.0580312	-4.24706
VRK3	-0.194587	7.768302614	-2.5058	0.0178131	0.0485824	-4.05956
DCSH1	-0.194881	6.489706854	-3.73	0.0007885	0.0032146	-1.12662
CASKIN2	-0.194992	6.143346887	-3.04775	0.0047492	0.0156252	-2.83528
SNX27	-0.195257	10.2195234	-2.19485	0.0359713	0.0888295	-4.69136
SCD5	-0.195288	6.88412669	-3.34432	0.0022083	0.0080009	-2.11155
MTHFD1L	-0.195366	7.037530437	-2.16354	0.0385096	0.0941433	-4.7517
ZNF548	-0.195476	8.132272622	-2.40596	0.0224321	0.0592238	-4.26865
LIG3	-0.19556	6.905011294	-4.03922	0.0003381	0.0015446	-0.30904
LHFPL1	-0.195776	6.306808858	-3.36646	0.0020836	0.00761	-2.05626
LINC00921	-0.195939	7.028510105	-2.3767	0.0239796	0.0627122	-4.32884
FLCN	-0.196166	6.416993923	-4.22228	0.0002034	0.0009996	0.184033
ZNF740	-0.196422	6.693487895	-2.64777	0.0127388	0.0364972	-3.75282
SDR39U1	-0.196628	6.755581202	-2.25237	0.0316961	0.0796714	-4.5789
AHSG	-0.196717	6.502252903	-2.66522	0.0122173	0.0351694	-3.71438
KRTAP20-2	-0.196933	6.291591206	-3.9082	0.0004849	0.002118	-0.65804
HID1	-0.197047	6.491723073	-2.47621	0.0190818	0.0515282	-4.12212
AKR1D1	-0.197089	9.714502165	-2.95887	0.0059426	0.0190355	-3.04542
CLTB	-0.197465	9.741617345	-3.91361	0.0004778	0.0020914	-0.64369
HOXB4	-0.197474	6.328249875	-2.47651	0.0190684	0.0515064	-4.12148
FAM122A	-0.197594	7.124727778	-2.71442	0.0108525	0.0317587	-3.60519
ENTPD7	-0.197751	6.558851916	-3.49056	0.0015005	0.0056881	-1.74333
ZNF48	-0.198001	6.224022372	-4.28272	0.0001718	0.0008649	0.348067
YBX2	-0.198021	6.720856316	-2.38982	0.0232741	0.0611307	-4.30191
LOC101928728	-0.198086	6.465225565	-3.90125	0.0004943	0.0021548	-0.67643
SAMD4A	-0.198437	6.109290161	-2.8421	0.0079452	0.0243449	-3.31629
UGGT1	-0.198765	7.12247308	-2.37297	0.0241837	0.0631864	-4.33647
DPYSL4	-0.198959	6.22702728	-2.33603	0.026292	0.0678181	-4.41165
WDR5	-0.198966	7.055061311	-4.73121	4.87E-05	0.0002855	1.579889
PATZ1	-0.199158	6.112848238	-4.59586	7.13E-05	0.0003994	1.205837
HK1	-0.199347	7.767083278	-6.0117	1.30E-06	1.27E-05	5.150716
AGPAT1	-0.200154	6.513731117	-4.98986	2.34E-05	0.0001513	2.298574
TRIM45	-0.200193	7.236679072	-2.77666	0.0093292	0.0278728	-3.46534
EMID1	-0.2007	6.056585469	-2.81565	0.0084797	0.0257669	-3.37678
PLEC	-0.200717	6.431475319	-7.07217	6.90E-08	1.12E-06	8.058707
HMGB3	-0.200847	7.644567378	-2.12156	0.042163	0.1016237	-4.83159
SUSD4	-0.200932	6.459505614	-2.89675	0.0069396	0.0217303	-3.19028
HARBI1	-0.201073	6.903085239	-3.20611	0.0031654	0.0109473	-2.45292
CSPG5	-0.201145	6.436033944	-3.25389	0.0027967	0.0098207	-2.33568
EDARADD	-0.201327	6.623773255	-4.3076	0.0001603	0.0008146	0.415747
KIF3C	-0.202089	6.110676872	-4.80091	4.00E-05	0.0002408	1.773132
ZNF776	-0.202599	6.799658136	-2.6748	0.0119396	0.0344877	-3.69321
ZNF417	-0.202646	6.490778023	-3.26356	0.0027272	0.0096187	-2.31186
SAYSD1	-0.202662	8.265413417	-2.51135	0.0175841	0.0480523	-4.04778
ZNF792	-0.20295	7.05274997	-3.28648	0.0025692	0.0091225	-2.25525
TTYH2	-0.203002	6.333456462	-5.30512	9.56E-06	7.02E-05	3.178588
FAM168A	-0.203141	7.546450941	-4.99199	2.32E-05	0.0001507	2.304509
GPER1	-0.203144	6.316719769	-3.92854	0.0004586	0.0020161	-0.60408
HYAL2	-0.203549	6.885630358	-5.02037	2.14E-05	0.0001402	2.383587
PANK4	-0.203551	7.420578821	-3.01587	0.0051484	0.0167597	-2.91105
FZD7	-0.203584	8.182034472	-2.62084	0.0135842	0.0385469	-3.81183

PIK3CD	-0.203596	6.86047222	-2.79917	0.0088295	0.0266383	-3.4143
USP13	-0.203811	7.276512833	-2.91537	0.0066254	0.0208845	-3.14705
TUBG1	-0.203887	8.109776106	-4.51412	8.98E-05	0.0004895	0.980798
ACOT7	-0.203942	7.282072974	-4.47135	0.0001013	0.0005439	0.863339
UMPS	-0.204062	6.605179119	-2.43844	0.0208214	0.0555763	-4.20125
MSX2	-0.204087	6.781396015	-2.50964	0.0176541	0.0482096	-4.0514
CELSR1	-0.20436	7.23945331	-2.27541	0.0301158	0.0762521	-4.53327
CPQ	-0.204465	7.798140101	-2.49149	0.0184167	0.0499898	-4.08988
MGAT5	-0.204507	6.802857599	-2.3623	0.0247764	0.0644461	-4.35827
STARD7	-0.204619	8.88020488	-3.79031	0.0006693	0.0027896	-0.96887
DHX58	-0.20476	7.484624655	-2.17662	0.0374302	0.0918711	-4.72656
KRI1	-0.204914	8.135846204	-2.60031	0.0142631	0.0401298	-3.85655
CA6	-0.205076	6.907318468	-2.19731	0.0357783	0.0883981	-4.68659
POLA2	-0.205141	8.528096614	-3.59456	0.0011364	0.0044444	-1.47743
AK4	-0.205142	8.78345165	-2.41329	0.022059	0.0584136	-4.25349
CFAP61	-0.205166	6.113334531	-4.63974	6.30E-05	0.0003577	1.326921
ADAR	-0.205247	8.750170958	-2.8987	0.006906	0.021639	-3.18575
PMM1	-0.205568	10.28802595	-2.35831	0.0250015	0.0649735	-4.36641
LSM11	-0.205612	6.230334665	-3.64063	0.001004	0.0039784	-1.35865
PPP1R3D	-0.205874	7.784917637	-2.72116	0.0106768	0.031306	-3.59013
HPS1	-0.205882	6.817192259	-2.89249	0.0070135	0.0219052	-3.20016
AR	-0.205893	6.332341005	-4.86915	3.29E-05	0.0002031	1.962643
THADA	-0.205976	7.186725891	-4.29298	0.000167	0.0008433	0.375973
PSMD13	-0.206008	7.346181672	-2.43102	0.0211795	0.0563848	-4.21669
PXN	-0.206158	6.538564549	-2.72352	0.0106162	0.0311566	-3.58487
ATP5G2	-0.206158	8.646280786	-2.69274	0.0114355	0.0331847	-3.65347
IVD	-0.206366	6.586889856	-3.16996	0.0034749	0.0118967	-2.54106
GCLM	-0.206454	7.015587318	-3.82014	0.0006171	0.002611	-0.89054
ZNF135	-0.206525	7.226273846	-2.70825	0.0110155	0.0321342	-3.61896
TOR1B	-0.206721	8.267539118	-2.78523	0.0091359	0.0274032	-3.44593
B9D1	-0.206929	6.497634551	-2.73175	0.0104065	0.0305967	-3.56644
CLSTN2	-0.206935	6.744742382	-3.44804	0.0016798	0.0062917	-1.8511
PBX2	-0.206943	8.974190372	-2.56228	0.0156047	0.0433328	-3.93883
AHNAK	-0.206959	11.61802569	-2.49602	0.0182235	0.0495345	-4.08029
NELFCD	-0.207337	10.21503197	-2.80014	0.0088084	0.0265952	-3.41208
CCDC107	-0.207412	7.451386148	-2.23174	0.0331734	0.0827735	-4.61946
TRABD	-0.207434	11.00721827	-2.73587	0.0103031	0.0303386	-3.55721
SCAMP5	-0.207495	6.606299776	-2.75604	0.0098102	0.0291214	-3.51188
CRTAP	-0.207551	7.766399052	-2.77413	0.0093871	0.0280328	-3.47107
KANK4	-0.207834	6.600325464	-3.11548	0.0039964	0.0134707	-2.67295
RP1L1	-0.20785	6.387189686	-3.14253	0.0037288	0.012661	-2.60761
PABPN1	-0.207854	10.42877691	-2.45623	0.0199845	0.0536375	-4.16407
FUT6	-0.207866	6.414915036	-3.28439	0.0025831	0.0091621	-2.2604
ABHD6	-0.208	8.911095178	-2.15174	0.0395066	0.0962372	-4.77426
KRT14	-0.208021	14.61603068	-2.43951	0.0207702	0.0554574	-4.19902
EDNRB	-0.208274	6.23500498	-5.29822	9.75E-06	7.13E-05	3.159307
ARHGAP17	-0.2083	7.875693089	-4.22968	0.0001992	0.0009834	0.204091
HRAS	-0.208318	8.678627755	-2.55629	0.0158262	0.0438913	-3.95171
KDM5B	-0.208399	8.465849709	-2.41886	0.0217793	0.0577675	-4.24196
PGS1	-0.208507	8.04946421	-3.32051	0.0023505	0.0084326	-2.17084
WDR90	-0.208538	7.388581121	-2.15726	0.0390375	0.095274	-4.76372
DIS3L2	-0.208559	7.975097851	-2.6348	0.0131396	0.0374466	-3.78128
DXO	-0.20856	7.881626927	-2.49301	0.0183514	0.0498404	-4.08665
RNF208	-0.208616	6.159023997	-4.76126	4.47E-05	0.0002652	1.663154
CAMK2B	-0.208769	6.426677834	-3.53498	0.0013329	0.0051219	-1.63014
CEP131	-0.208818	7.424188569	-3.15558	0.0036059	0.0122995	-2.57598
CNOT11	-0.208829	11.15287375	-3.03784	0.00487	0.0159715	-2.85887
ALDH3B1	-0.209088	6.084593247	-5.2216	1.21E-05	8.60E-05	2.945214
THAP3	-0.20913	6.271052707	-3.9487	0.0004339	0.0019196	-0.55054

PI4KAP2	-0.209162	7.644203785	-2.44529	0.0204955	0.0548119	-4.18696
CSNK2A1	-0.209303	7.686968248	-3.5444	0.0012998	0.0050085	-1.60607
FA2H	-0.209385	6.526807529	-2.73006	0.0104491	0.0306941	-3.57022
TEAD4	-0.209468	6.971054308	-4.46679	0.0001026	0.0005501	0.850814
MAP3K14	-0.209851	7.518362024	-2.07315	0.0467557	0.1109025	-4.92229
STRA6	-0.209866	5.965869493	-2.96327	0.0058774	0.0188453	-3.03511
PEX11G	-0.210004	7.003855384	-2.18081	0.03709	0.0912322	-4.71848
SLC39A4	-0.210082	6.724019424	-3.90021	0.0004957	0.002159	-0.67919
BCL2	-0.210102	7.123299862	-2.12866	0.0415239	0.1003451	-4.81815
VPS53	-0.210125	6.653495354	-3.58263	0.0011734	0.0045767	-1.5081
PLAT	-0.210175	6.188023762	-3.06865	0.0045035	0.014954	-2.78538
BRD4	-0.210212	6.375944326	-3.93823	0.0004465	0.0019685	-0.57836
COPA	-0.210329	11.14774051	-3.13098	0.003841	0.0129963	-2.63555
ZNF764	-0.21058	6.350431542	-4.30482	0.0001615	0.0008203	0.40818
SLA	-0.210635	6.571326346	-2.49211	0.0183902	0.0499308	-4.08857
LTBP3	-0.210819	6.935850777	-5.77085	2.56E-06	2.26E-05	4.479881
FDFT1	-0.210953	10.68195377	-2.38415	0.0235765	0.0617662	-4.31355
SMYD4	-0.210954	8.030391233	-2.60202	0.0142055	0.0400027	-3.85285
UBN1	-0.210979	8.188370502	-4.05291	0.0003255	0.0014918	-0.27236
PHC2	-0.210987	6.564220392	-4.61057	6.84E-05	0.0003847	1.246398
TG	-0.211028	6.480024909	-2.41974	0.0217352	0.057682	-4.24012
GLS2	-0.211075	6.636298946	-3.26185	0.0027394	0.0096509	-2.31607
SBK1	-0.211147	6.676797433	-4.3596	0.0001386	0.0007168	0.557495
GDPD5	-0.211349	6.13195132	-3.38687	0.0019746	0.0072583	-2.00513
WDR55	-0.211374	8.05294268	-3.00114	0.0053434	0.0173188	-2.9459
UBE2H	-0.211464	7.250710432	-2.42112	0.0216665	0.0575312	-4.23726
FXN	-0.211922	6.457379837	-5.29828	9.75E-06	7.13E-05	3.159493
REM2	-0.212013	6.945890488	-2.20664	0.0350548	0.0868981	-4.66847
AFAP1L2	-0.212014	8.018834871	-2.28249	0.0296447	0.0752067	-4.51918
KIF1B	-0.212019	8.274702803	-2.18421	0.0368169	0.0906638	-4.71194
MORC2	-0.212902	7.449354601	-2.28087	0.0297515	0.0754381	-4.5224
LAD1	-0.213024	7.705638723	-5.9885	1.39E-06	1.35E-05	5.086193
DAB2	-0.213169	6.669719335	-2.38932	0.0233005	0.0611917	-4.30293
PDP2	-0.213204	6.519425034	-4.38219	0.0001301	0.0006786	0.619189
NOS1AP	-0.213208	6.241441886	-3.22393	0.0030228	0.0105082	-2.4093
CLEC4C	-0.213222	6.313717164	-5.50394	5.44E-06	4.29E-05	3.734381
FAM217B	-0.213319	8.431989889	-2.31126	0.0277978	0.0711725	-4.46161
ILK	-0.213366	7.960910841	-3.38919	0.0019625	0.0072236	-1.9993
ACOT4	-0.213455	6.768565324	-2.04209	0.0499303	0.1172998	-4.97966
GLB1L	-0.21355	6.763860286	-2.84633	0.0078626	0.0241414	-3.30657
RAB8A	-0.213614	11.04439509	-3.66259	0.0009463	0.0037736	-1.30185
EEF1D	-0.213772	10.07149782	-2.80653	0.0086716	0.026264	-3.39756
GALM	-0.213914	7.014811819	-2.05045	0.0490574	0.1155009	-4.96428
HOXB5	-0.214079	6.390073278	-3.67379	0.0009181	0.0036786	-1.27282
TRIM63	-0.214153	6.241342782	-3.48005	0.001543	0.0058322	-1.77002
SEC14L1	-0.214306	6.855726423	-3.39138	0.0019513	0.0071907	-1.99383
C2orf82	-0.214447	6.781922904	-2.91247	0.0066733	0.0210051	-3.15378
IFT172	-0.214642	7.241987669	-2.88971	0.007062	0.0220345	-3.20657
NAPSB	-0.214816	6.802802338	-2.31806	0.0273771	0.0702251	-4.44794
SALL4	-0.215101	6.084769131	-4.25009	0.0001882	0.0009371	0.259441
LYNX1	-0.215146	7.49924485	-3.35995	0.0021196	0.0077298	-2.07255
RMI2	-0.215175	8.553753495	-2.8607	0.0075884	0.0234404	-3.27354
TP1P2	-0.21529	8.884490454	-2.11665	0.0426094	0.1024833	-4.84086
SEZ6L2	-0.215477	6.634676069	-3.28796	0.0025592	0.00909	-2.25158
C1RL	-0.215512	7.692105932	-3.34044	0.0022309	0.0080647	-2.12124
MYCN	-0.215545	6.376602241	-3.73503	0.0007778	0.0031763	-1.1135
TAPT1-AS1	-0.215772	7.145858003	-2.33987	0.0260653	0.0673948	-4.40387
RBMS2	-0.215796	6.930639987	-2.80247	0.0087582	0.0264808	-3.40678
AFAP1	-0.216683	6.446072187	-3.01095	0.0052127	0.0169435	-2.92269

COL4A1	-0.216791	6.536316329	-2.54475	0.0162615	0.0449124	-3.97648
PGM5	-0.216939	6.108348982	-3.96688	0.0004127	0.0018391	-0.50217
ROPN1	-0.216977	6.261123433	-2.55077	0.016033	0.0444078	-3.96356
DOK7	-0.21707	6.508373456	-3.98563	0.0003919	0.0017621	-0.4522
SEMA4C	-0.217134	6.741824661	-3.38774	0.0019701	0.0072444	-2.00294
FUCA1	-0.217145	8.83618701	-2.13904	0.0406055	0.0985678	-4.79846
PECAM1	-0.217288	6.954537802	-3.19699	0.0032409	0.0111784	-2.4752
GPR146	-0.217312	6.574224088	-4.23128	0.0001983	0.0009801	0.208441
CDK2	-0.217741	8.454807677	-2.97217	0.0057475	0.0184775	-3.01419
AK1	-0.217793	7.094540542	-2.24037	0.032548	0.081454	-4.60252
JADE1	-0.217908	7.382441245	-4.90526	2.97E-05	0.0001864	2.063061
DCAF1	-0.21793	7.248887952	-2.7877	0.0090809	0.0272821	-3.44033
M6PR	-0.218295	8.727419814	-2.17541	0.0375286	0.0920777	-4.72888
ACSS2	-0.218497	7.72774743	-5.40944	7.11E-06	5.43E-05	3.470207
NIPAL3	-0.218541	8.69284408	-2.10296	0.0438781	0.1050789	-4.86663
ERBB2	-0.2187	7.883551237	-3.9212	0.0004679	0.0020534	-0.62357
LNPB	-0.218725	8.012207567	-3.02142	0.0050766	0.0165537	-2.89787
FFAR4	-0.218756	6.369468409	-4.21988	0.0002047	0.0010056	0.177528
MTG2	-0.218764	6.362035641	-3.75506	0.0007367	0.0030325	-1.06119
EHMT2	-0.218813	6.618854894	-4.36513	0.0001364	0.0007077	0.572596
DDX54	-0.218891	7.660939432	-3.6338	0.0010226	0.0040424	-1.3763
HABP4	-0.219003	6.899204123	-4.6622	5.91E-05	0.0003383	1.388963
RHCG	-0.219092	6.142955753	-2.89127	0.0070347	0.0219607	-3.20296
ZC3H7B	-0.219298	6.424350919	-3.63092	0.0010306	0.004068	-1.38374
GNA12	-0.219497	6.638570714	-4.53733	8.41E-05	0.0004623	1.044624
PPIF	-0.219583	6.838949151	-3.77974	0.0006889	0.0028581	-0.99659
KMT2A	-0.220006	7.25466604	-2.3198	0.0272704	0.0699975	-4.44444
MYO1F	-0.220107	6.568177843	-2.25128	0.0317724	0.0798217	-4.58104
LRSAM1	-0.220344	7.223540766	-4.58173	7.42E-05	0.0004137	1.166866
PRKCE	-0.220676	6.364339438	-3.38059	0.0020075	0.007364	-2.02087
MEN1	-0.22092	6.666483617	-6.57746	2.68E-07	3.44E-06	6.713522
LOC105371763	-0.221215	6.677834126	-4.17027	0.0002351	0.0011305	0.043372
C10orf10	-0.221293	6.492510529	-2.51498	0.0174355	0.0477066	-4.04005
TMEM59L	-0.221305	6.595470685	-3.15419	0.0036188	0.0123413	-2.57935
C1orf159	-0.221319	6.980491876	-2.38777	0.0233829	0.0613418	-4.30612
TRIM3	-0.221534	6.541112811	-4.84009	3.58E-05	0.0002185	1.881892
FOXD1	-0.221698	6.08976626	-2.78142	0.0092214	0.0275974	-3.45456
IL13RA1	-0.221834	10.23961778	-2.41094	0.0221779	0.0586965	-4.25835
LARS2	-0.221935	7.360222744	-2.92505	0.0064672	0.0204578	-3.12449
INPP5K	-0.222062	6.666109606	-2.57679	0.0150796	0.0421157	-3.90753
PLEKHO1	-0.222195	7.121060957	-2.12147	0.0421715	0.1016316	-4.83177
ZNF71	-0.222423	6.514082786	-4.18301	0.0002269	0.0010965	0.077787
VPS25	-0.222784	9.449321273	-2.40787	0.0223341	0.0590132	-4.26469
SHCBP1	-0.222887	9.375816484	-2.36587	0.0245763	0.0640311	-4.35098
FBXO18	-0.223022	8.263406861	-4.676	5.69E-05	0.0003274	1.427103
MBTPS1	-0.223026	7.359165336	-2.25131	0.0317703	0.0798217	-4.58098
EMC1	-0.223041	8.67955408	-2.69182	0.0114609	0.0332434	-3.65551
SMPD3	-0.223196	6.63765124	-2.23936	0.0326208	0.081594	-4.60451
PRMT6	-0.223318	8.195956958	-2.13304	0.0411346	0.0995779	-4.80986
SLC16A12	-0.223719	9.470570985	-2.79845	0.008845	0.0266723	-3.41592
COG8	-0.22382	6.77483976	-2.96258	0.0058876	0.0188748	-3.03673
ZSCAN25	-0.224116	6.411778656	-3.98356	0.0003942	0.0017702	-0.45772
LRRC3	-0.224155	6.303646711	-3.36997	0.0020644	0.007547	-2.04748
SYN2	-0.224171	6.548688841	-2.93028	0.0063833	0.0202499	-3.1123
CES5A	-0.224212	6.53735851	-3.29387	0.00252	0.0089694	-2.23694
SLC15A4	-0.22438	9.075573177	-2.91484	0.0066341	0.0209052	-3.14827
PARL	-0.224399	10.28625735	-2.37683	0.0239725	0.0627019	-4.32857
AP4M1	-0.224451	6.897074615	-3.43632	0.0017328	0.0064664	-1.88069
POLR2D	-0.224639	8.67817063	-3.10676	0.0040865	0.0137505	-2.69395

FBXO32	-0.224804	7.517725199	-3.29898	0.0024866	0.0088635	-2.22428
RPL13	-0.22481	8.535745724	-2.56584	0.0154744	0.0430264	-3.93116
KDM4A	-0.224967	6.987844263	-2.60726	0.0140297	0.039588	-3.84143
AGPAT3	-0.225031	6.476744837	-5.14947	1.49E-05	0.0001022	2.743763
CD59	-0.225159	7.13729693	-2.51909	0.017269	0.0473045	-4.03131
PTPN6	-0.225221	6.998134982	-5.52357	5.15E-06	4.09E-05	3.789256
MORN3	-0.225229	6.690441411	-2.91806	0.006581	0.0207649	-3.14077
PTK2B	-0.225564	6.724760149	-4.15037	0.0002484	0.0011827	-0.01035
DENND1A	-0.225652	6.682199942	-2.98676	0.0055405	0.0178862	-2.97985
NACAD	-0.225681	6.123182337	-5.18028	1.36E-05	9.50E-05	2.829792
ALKBH6	-0.225813	7.868972542	-3.25286	0.0028041	0.0098434	-2.33821
C9orf106	-0.225883	6.213690329	-2.86795	0.0074535	0.0230788	-3.25684
RABL2B	-0.22605	7.617419322	-2.81803	0.0084302	0.0256326	-3.37134
NEK6	-0.226283	6.314165896	-3.78845	0.0006727	0.0028001	-0.97375
N4BP3	-0.226334	6.363886678	-2.97312	0.0057339	0.0184428	-3.01197
RIPK3	-0.226348	7.584298131	-2.58475	0.0147986	0.0414382	-3.89031
LAMC2	-0.226537	7.478735511	-2.38352	0.0236102	0.0618461	-4.31484
DAPK1	-0.226632	6.596775254	-3.12135	0.0039368	0.0132928	-2.65879
SRC	-0.226753	7.191480899	-5.84833	2.06E-06	1.88E-05	4.695933
TACO1	-0.226859	9.550428438	-2.49909	0.0180938	0.0492392	-4.07379
PALD1	-0.226906	6.256206605	-3.2418	0.0028859	0.0100969	-2.36543
MTFP1	-0.226915	7.109752523	-2.2124	0.0346154	0.0859406	-4.65727
MTHFSD	-0.227183	7.089633771	-2.99142	0.0054758	0.017695	-2.96885
MECR	-0.227254	6.677255592	-3.84286	0.0005799	0.0024717	-0.83071
ITGA3	-0.227408	8.226891448	-2.55136	0.0160108	0.044359	-3.9623
CYLC2	-0.227419	6.500976587	-2.73861	0.0102348	0.0301695	-3.55106
FAM120AOS	-0.227623	8.282113486	-2.98312	0.0055914	0.0180326	-2.98842
STT3A	-0.227735	9.370593989	-2.52057	0.0172095	0.0471547	-4.02816
FKTN	-0.227782	9.316318786	-2.61183	0.0138785	0.0392297	-3.8315
GORASP1	-0.227989	8.92414436	-3.88146	0.0005218	0.0022577	-0.72881
RELL2	-0.228265	6.734009498	-3.42351	0.0017926	0.0066573	-1.91301
TXNL4B	-0.228303	6.753904672	-3.81755	0.0006214	0.0026272	-0.89733
ARSI	-0.228309	6.200526267	-2.99113	0.0054799	0.0177053	-2.96955
RASSF5	-0.228321	7.386184092	-3.77113	0.0007052	0.0029183	-1.01913
TRIM4	-0.228405	8.564478276	-3.92777	0.0004596	0.0020199	-0.60612
NCDN	-0.228493	6.774430635	-4.12346	0.0002677	0.0012609	-0.08286
TMEM44	-0.22874	6.580664145	-4.79467	4.07E-05	0.0002445	1.755827
BIRC7	-0.228805	6.081418091	-4.25018	0.0001882	0.0009371	0.2597
PRB2	-0.228931	6.44022178	-2.3583	0.0250017	0.0649735	-4.36642
BMF	-0.229446	6.30166468	-6.05415	1.15E-06	1.15E-05	5.268663
C11orf96	-0.229592	6.405825285	-3.94568	0.0004375	0.0019343	-0.55857
ZXDC	-0.229659	7.391721592	-5.11028	1.66E-05	0.0001121	2.634365
USP31	-0.229729	6.484698934	-2.32857	0.0267376	0.0687938	-4.42674
OAZ1	-0.229872	14.50284124	-3.82104	0.0006155	0.0026057	-0.88816
SPATA33	-0.229905	6.049394079	-3.94678	0.0004362	0.0019289	-0.55564
DAZAP1	-0.230151	7.758642735	-4.86668	3.32E-05	0.0002044	1.955786
FAM219A	-0.230171	6.923168997	-2.837	0.0080457	0.0246219	-3.32798
SEMA4G	-0.23022	6.510359474	-3.03685	0.0048822	0.0159924	-2.86123
CCDC86	-0.230506	9.430771361	-2.19565	0.0359085	0.0886972	-4.68981
BRI3BP	-0.230669	7.259262958	-4.02199	0.0003545	0.0016127	-0.35513
LINC00997	-0.230682	8.064503522	-2.61722	0.0137018	0.0388094	-3.81974
URB2	-0.230694	6.992040369	-2.68107	0.0117613	0.0340588	-3.67935
SLC6A12	-0.230701	6.397386853	-3.12065	0.0039439	0.0133144	-2.66048
FBXL14	-0.230767	6.624738611	-4.09088	0.000293	0.0013613	-0.1705
HPCAL1	-0.230785	7.241614374	-4.18362	0.0002265	0.001095	0.079429
AP3S2	-0.230973	7.499764022	-3.08901	0.004276	0.014311	-2.73661
RCSD1	-0.231063	7.390571945	-3.38968	0.00196	0.0072171	-1.99808
PLEKHA7	-0.231078	7.370873657	-2.13491	0.0409689	0.0992139	-4.80631
SLC25A22	-0.231203	8.12816038	-3.34826	0.0021856	0.0079319	-2.10173

ARHGAP45	-0.231247	6.714571753	-3.01383	0.005175	0.0168378	-2.91588
KIF17	-0.231251	6.154867576	-4.01057	0.0003659	0.0016581	-0.38564
MADD	-0.231332	7.311936929	-5.40228	7.26E-06	5.53E-05	3.450197
TMCC3	-0.231452	6.415945707	-3.10778	0.0040759	0.0137196	-2.6915
ECE2	-0.231618	7.07091039	-2.93797	0.0062618	0.0199001	-3.09434
ANKRD16	-0.232059	7.532284352	-3.58323	0.0011715	0.0045712	-1.50657
FBXO7	-0.232103	7.761649161	-4.12842	0.000264	0.0012467	-0.0695
ATF6B	-0.232155	6.784222219	-3.11716	0.0039793	0.0134177	-2.66891
MCRS1	-0.232373	8.571899405	-2.61282	0.0138458	0.0391544	-3.82933
CX3CR1	-0.232639	6.730154754	-2.08105	0.0459771	0.109323	-4.9076
GLYCTK	-0.232917	6.447489785	-3.61745	0.0010686	0.0042054	-1.4185
RNFT2	-0.232964	6.928546535	-3.64821	0.0009837	0.0039084	-1.33906
POFUT1	-0.232993	7.898721112	-4.2167	0.0002066	0.0010135	0.168936
RUSC2	-0.233282	6.554822786	-2.44053	0.0207211	0.0553466	-4.19688
RNF213	-0.233411	7.095433051	-2.75871	0.0097467	0.0289418	-3.50587
PATE2	-0.233526	6.809880649	-3.96294	0.0004172	0.0018569	-0.51266
EMC10	-0.23366	6.301722973	-5.01178	2.20E-05	0.0001433	2.359647
TP73	-0.23367	6.195886296	-4.38472	0.0001291	0.0006746	0.626088
TMED4	-0.233831	8.463499738	-3.03082	0.0049573	0.0162167	-2.87557
MYO19	-0.233965	7.381605842	-3.76804	0.0007111	0.0029404	-1.02722
TELO2	-0.234075	7.416159358	-2.11836	0.0424536	0.1021987	-4.83764
ITGB5	-0.2344	8.993556802	-4.37881	0.0001313	0.000684	0.609953
DALRD3	-0.234508	6.475880294	-3.67585	0.000913	0.0036612	-1.26746
ADPRHL1	-0.234583	6.526521469	-3.13657	0.0037863	0.0128438	-2.62203
DET1	-0.23478	7.256571414	-3.27413	0.0026532	0.0093883	-2.28578
RALGDS	-0.234923	8.374858197	-4.02661	0.00035	0.0015954	-0.34277
RPN1	-0.234989	11.84630943	-3.70399	0.0008461	0.0034198	-1.19436
MYO1D	-0.235072	9.321364342	-2.93727	0.0062728	0.019932	-3.09599
WDR83	-0.235105	7.781983067	-3.08569	0.0043124	0.0144192	-2.74458
FOXRED1	-0.235386	8.828095973	-2.50206	0.0179691	0.048939	-4.0675
TRIP10	-0.235828	7.426874319	-2.3046	0.0282157	0.0720524	-4.47498
STAT5B	-0.235856	8.361212262	-4.40022	0.0001237	0.0006504	0.668464
LRRC23	-0.235875	7.089304786	-2.24758	0.0320335	0.0803736	-4.58833
NOMO2	-0.236101	7.340215724	-4.20184	0.0002153	0.0010489	0.12871
AKIRIN2	-0.236285	9.315608012	-2.39311	0.0231003	0.06074	-4.29515
MECP2	-0.236348	6.440222283	-4.13285	0.0002608	0.0012332	-0.05758
C1orf229	-0.236747	6.138682161	-3.8688	0.0005402	0.0023223	-0.76229
GALNTL6	-0.236776	6.329954982	-3.25515	0.0027875	0.0097974	-2.33257
MTMR4	-0.236814	8.789423371	-3.07961	0.0043796	0.014615	-2.75914
TSPYL1	-0.236835	10.24724288	-2.16941	0.0380217	0.0931462	-4.74043
DMAP1	-0.236928	9.461756557	-2.29924	0.0285563	0.0728454	-4.48572
ADGRA2	-0.237	6.200872385	-3.81163	0.0006315	0.002663	-0.9129
RHOBTB2	-0.237108	6.457928176	-3.82934	0.0006018	0.0025557	-0.86633
MAGIX	-0.237543	6.676914756	-2.35065	0.0254384	0.0659759	-4.38199
SLC37A4	-0.237582	9.486403056	-2.92808	0.0064185	0.0203447	-3.11742
LRCH4	-0.237629	7.318079473	-2.43614	0.0209315	0.0558372	-4.20603
HEATR6	-0.237731	7.761695081	-2.90138	0.0068601	0.0215161	-3.17953
NRROS	-0.237772	6.241971093	-2.60627	0.0140627	0.0396696	-3.84359
WFIKN2	-0.237815	6.033803823	-3.14322	0.0037222	0.0126475	-2.60595
NOC2LP2	-0.237828	6.883776011	-3.54469	0.0012988	0.0050066	-1.60533
MLYCD	-0.238069	7.006878035	-2.90092	0.006868	0.0215338	-3.1806
WNT7A	-0.238178	6.615914769	-2.12515	0.0418391	0.1009685	-4.82481
KBTBD11	-0.238225	6.322928044	-3.28538	0.0025765	0.0091453	-2.25797
AK8	-0.238293	6.897383364	-2.17159	0.0378417	0.0927521	-4.73623
HIF1AN	-0.238463	7.402366508	-4.43677	0.0001116	0.0005931	0.768537
MAFG	-0.238471	6.994036774	-4.16968	0.0002355	0.0011321	0.041758
INCENP	-0.23849	7.026553906	-3.60542	0.0011037	0.0043295	-1.44949
LIMK2	-0.238492	6.975114032	-4.11981	0.0002704	0.0012725	-0.09269
CCDC140	-0.238512	7.176923167	-2.06091	0.0479849	0.113292	-4.94498

MSTO1	-0.238653	6.894502281	-2.52603	0.016991	0.0466881	-4.01652
TOR3A	-0.238723	9.199837552	-2.85474	0.0077011	0.0237167	-3.28726
C10orf95	-0.238787	6.473745554	-4.17044	0.000235	0.0011302	0.043811
NAA40	-0.238832	6.313721943	-3.9438	0.0004398	0.0019416	-0.56355
MUC1	-0.23904	6.48102801	-4.06456	0.0003152	0.0014506	-0.24113
ACOT11	-0.23907	6.602196226	-3.4345	0.0017412	0.006489	-1.8853
TNIP2	-0.239079	7.199601364	-2.84542	0.0078804	0.024173	-3.30867
CARD19	-0.239272	8.661819637	-2.12814	0.041571	0.1004214	-4.81915
RAB2B	-0.23931	10.72612178	-2.8185	0.0084205	0.0256072	-3.37027
SART3	-0.239358	7.002980514	-4.12741	0.0002648	0.0012493	-0.07222
SFXN5	-0.239526	7.541767377	-2.92652	0.0064436	0.0204011	-3.12108
KLHL25	-0.239574	6.816514615	-2.84076	0.0079714	0.0244176	-3.31935
KLF8	-0.239635	7.200437624	-3.32551	0.00232	0.0083476	-2.15841
DCAF4	-0.239743	8.734941171	-2.65261	0.012592	0.0361249	-3.74217
DCLK1	-0.239894	6.504084825	-3.94892	0.0004336	0.0019193	-0.54995
ATP9B	-0.239927	7.277009899	-2.90442	0.0068085	0.0213819	-3.17249
TFAP2C	-0.239943	11.03468209	-2.47041	0.0193397	0.052152	-4.13431
MYBBP1A	-0.240254	6.970260931	-2.3944	0.0230324	0.0606026	-4.29249
PFKP	-0.240269	8.073351138	-3.83443	0.0005934	0.0025232	-0.85293
PIGU	-0.240466	8.28543829	-2.64594	0.0127947	0.0366251	-3.75685
PCDHB2	-0.240688	6.762198324	-5.47639	5.88E-06	4.61E-05	3.657373
PKMYT1	-0.240709	6.766480526	-2.65899	0.0124013	0.0356145	-3.72813
LRTOMT	-0.240781	6.724229562	-3.34274	0.0022175	0.0080229	-2.11551
HMGCL	-0.240812	7.954887412	-2.61238	0.0138602	0.0391838	-3.83029
TMEM159	-0.240825	9.149948857	-2.13879	0.0406274	0.0986007	-4.79893
OR7E156P	-0.24093	6.735977231	-2.61358	0.0138208	0.0390994	-3.82767
GYG2	-0.241041	6.114266561	-4.57595	7.54E-05	0.0004194	1.150955
ZDHHC7	-0.241245	9.759415835	-3.97258	0.0004063	0.0018149	-0.48697
GIGYF1	-0.241332	6.86897834	-2.74527	0.0100706	0.0297804	-3.53611
ABHD16A	-0.241341	9.05314483	-2.78493	0.0091427	0.0274167	-3.44661
HKR1	-0.241478	7.341932283	-3.34201	0.0022218	0.0080361	-2.11732
CSTB	-0.241699	12.63753494	-2.24516	0.0322056	0.0807116	-4.59311
MANSC1	-0.241959	8.158088261	-3.10477	0.0041073	0.0138154	-2.69873
PBX1	-0.242132	7.082104993	-3.481	0.0015391	0.0058209	-1.76761
ZNF517	-0.24222	6.516776006	-5.564	4.59E-06	3.71E-05	3.902264
ZKSCAN2	-0.242297	7.215697301	-5.38846	7.55E-06	5.71E-05	3.411578
BIK	-0.24253	7.003019928	-2.28026	0.029792	0.0755211	-4.52361
MAP3K3	-0.242901	6.751658917	-6.3734	4.72E-07	5.42E-06	6.152422
OR7A5	-0.243164	5.976085136	-3.28046	0.0026098	0.0092481	-2.27013
DOCK9-AS2	-0.243628	7.209213837	-2.16245	0.0386003	0.0943135	-4.75377
GAS7	-0.243644	6.838900267	-4.17322	0.0002331	0.0011223	0.051327
CNDP2	-0.243746	11.41333557	-2.40962	0.0222447	0.0588331	-4.26107
CNTN2	-0.243868	6.303295679	-2.44919	0.020312	0.0543887	-4.17881
VPS16	-0.243984	8.201148373	-3.32784	0.0023058	0.0083046	-2.15261
MRPL10	-0.244323	6.873723834	-3.3794	0.0020138	0.0073844	-2.02386
IRAK1	-0.244513	10.00866056	-2.17831	0.0372932	0.0915928	-4.72332
RNF215	-0.244668	6.67825305	-2.81691	0.0084534	0.0256951	-3.3739
OR2A9P	-0.244681	6.907664823	-2.47803	0.0190011	0.0513676	-4.11827
CLIC1	-0.245056	12.5271529	-2.91282	0.0066675	0.0209934	-3.15296
MAGED1	-0.245066	8.246589131	-5.0861	1.78E-05	0.0001192	2.566902
AXL	-0.245302	7.52925151	-2.52062	0.0172074	0.0471547	-4.02805
TMX2	-0.24533	10.51794586	-3.24203	0.0028842	0.0100933	-2.36487
CACFD1	-0.245378	7.533011596	-2.82269	0.0083342	0.0253765	-3.3607
BCAS4	-0.245557	6.709872419	-3.17689	0.0034135	0.0117091	-2.52421
FLAD1	-0.245793	8.125652135	-4.42446	0.0001155	0.0006125	0.734819
ZNF669	-0.24587	7.186832764	-3.23467	0.0029397	0.0102619	-2.38294
WBSCR22	-0.246293	10.15481223	-2.14083	0.0404495	0.0982382	-4.79507
GPRASP2	-0.246293	7.395925897	-4.05549	0.0003232	0.0014819	-0.26546
SNAI3	-0.246322	6.242398903	-4.23575	0.0001959	0.0009694	0.220543

ADCY2	-0.246734	6.761849542	-3.91259	0.0004791	0.0020968	-0.6464
FAM168B	-0.246962	8.262514417	-3.53561	0.0013307	0.0051153	-1.62853
DUSP3	-0.24702	10.79066669	-2.74114	0.010172	0.0300228	-3.54538
DHRXS	-0.247175	6.511534774	-3.91372	0.0004776	0.0020913	-0.64341
FLVCR2	-0.247415	7.585541182	-2.21674	0.0342868	0.0852121	-4.64881
RHBDD3	-0.247558	7.229109622	-3.90913	0.0004837	0.0021135	-0.65556
RRAGA	-0.247775	12.33073559	-3.71889	0.0008126	0.0033018	-1.15558
POMT1	-0.247785	7.111136927	-3.63434	0.0010211	0.0040373	-1.37491
RAPGEF1	-0.247836	7.182133068	-5.52109	5.18E-06	4.12E-05	3.782325
BAX	-0.247868	7.345715736	-2.96957	0.0057852	0.0185834	-3.02031
LOC606724	-0.247978	6.575248254	-3.31092	0.0024103	0.0086231	-2.19468
TCL1B	-0.248076	6.261824445	-2.25047	0.0318293	0.0799441	-4.58264
CTU2	-0.248169	6.530546637	-5.34116	8.63E-06	6.43E-05	3.279347
PARVB	-0.248688	6.503894878	-3.48586	0.0015194	0.0057551	-1.75526
TLN2	-0.248921	6.655553306	-3.12164	0.0039339	0.0132877	-2.6581
ZP3	-0.248968	7.549032945	-2.37156	0.0242614	0.0633211	-4.33936
GAB2	-0.249008	6.831727797	-5.1531	1.47E-05	0.0001015	2.75388
DOT1L	-0.249015	6.643361173	-5.63016	3.81E-06	3.18E-05	4.087122
SLC6A11	-0.249071	6.350723895	-5.11071	1.66E-05	0.0001121	2.635575
CES2	-0.249227	8.616523551	-2.42485	0.0214819	0.0570801	-4.22952
ZIK1	-0.249361	6.881401298	-3.26598	0.0027101	0.0095669	-2.30589
ATG4B	-0.249561	7.153985751	-3.43531	0.0017375	0.0064788	-1.88326
CCDC24	-0.249561	6.522261338	-3.01332	0.0051816	0.0168507	-2.91707
CEACAM5	-0.249685	6.639765593	-3.38378	0.0019907	0.0073093	-2.01288
ADA	-0.250221	7.751473695	-2.60761	0.0140181	0.039561	-3.84067
PCDHGB4	-0.250332	6.543016932	-4.29325	0.0001668	0.0008429	0.376693
RUNDC3A	-0.250684	6.645366355	-2.34148	0.0259708	0.0671772	-4.40061
THAP8	-0.250768	6.224778031	-4.83432	3.63E-05	0.0002216	1.865886
FEZ1	-0.250997	6.65722925	-3.83631	0.0005904	0.0025125	-0.84797
MAGEE1	-0.251233	7.566702708	-2.51942	0.0172556	0.0472745	-4.0306
MYADM	-0.251573	7.695257196	-2.67463	0.0119447	0.0344955	-3.6936
CARNS1	-0.252077	6.823592279	-3.16941	0.0034799	0.0119115	-2.54241
PCDH1	-0.252291	6.354228706	-4.51378	8.99E-05	0.0004897	0.979851
MCRIP2	-0.252485	6.702113789	-2.52946	0.0168552	0.0463804	-4.0092
TRPM1	-0.252494	5.927167832	-4.5174	8.90E-05	0.0004857	0.98981
FYN	-0.252649	6.836946546	-3.92627	0.0004615	0.0020269	-0.61011
ODF3L1	-0.25278	6.585586115	-3.31076	0.0024113	0.0086251	-2.19507
NDRG1	-0.252868	11.16745971	-2.16833	0.0381113	0.0933421	-4.74251
NAV2	-0.253092	7.158228259	-3.00347	0.005312	0.0172345	-2.94038
SHF	-0.253457	6.384297066	-4.50395	9.24E-05	0.0005015	0.952834
CRAT	-0.253599	6.420918311	-3.09765	0.0041828	0.0140329	-2.71586
EI24	-0.253622	9.946399231	-2.42493	0.0214777	0.0570768	-4.22934
RBM4B	-0.253735	8.53862732	-2.53886	0.0164878	0.0454534	-3.9891
SRSF9	-0.253997	12.06621836	-4.47906	9.91E-05	0.0005335	0.884496
MAP1LC3A	-0.254301	7.970823047	-2.89068	0.007045	0.0219895	-3.20433
FANCE	-0.25444	9.615215983	-2.23387	0.0330186	0.08243	-4.6153
MESDC1	-0.254485	6.423076713	-2.70324	0.0111494	0.0324856	-3.6301
MAZ	-0.254489	6.53329533	-5.21062	1.25E-05	8.82E-05	2.914538
CRACR2B	-0.254518	7.735422089	-2.37093	0.0242961	0.0633947	-4.34065
MOCS3	-0.254607	6.611871489	-4.82451	3.74E-05	0.0002272	1.83863
MGC57346	-0.254621	7.556340083	-3.95631	0.0004249	0.001888	-0.5303
SNRPD3	-0.254749	8.308263538	-2.32508	0.0269487	0.0692543	-4.4338
MYO3B	-0.254802	6.628575976	-2.68505	0.0116492	0.0337579	-3.67053
CD300A	-0.25487	6.616634655	-2.41946	0.0217491	0.0577077	-4.2407
ESRRA	-0.254951	8.559450628	-2.54188	0.0163714	0.0451837	-3.98263
TUBA3FP	-0.255006	10.03620857	-5.02453	2.12E-05	0.0001388	2.395191
MCC	-0.255101	7.339231792	-2.59812	0.0143373	0.0402918	-3.86131
HES6	-0.255275	7.057104608	-2.46665	0.0195089	0.0525281	-4.14222
MBD1	-0.255361	7.871576973	-3.06505	0.0045449	0.0150606	-2.79398

CPT2	-0.25543	9.408083064	-3.25773	0.0027689	0.009739	-2.32622
NNAT	-0.255539	6.701433985	-2.89479	0.0069735	0.0218225	-3.19482
RNPS1	-0.25563	8.833744896	-4.92443	2.82E-05	0.0001776	2.116387
NKIRAS2	-0.25569	6.948465402	-5.64442	3.66E-06	3.07E-05	4.126957
GAREM1	-0.256097	7.862078179	-2.05397	0.0486944	0.1147437	-4.9578
RCL1	-0.256277	8.569019679	-3.90769	0.0004856	0.0021195	-0.65938
LOC105369266	-0.256347	7.648090217	-2.15836	0.0389441	0.0951177	-4.76161
C8orf37	-0.256349	8.91433798	-2.35133	0.0253992	0.0659008	-4.38061
PPP1R35	-0.256519	9.275786799	-2.27581	0.0300887	0.0761935	-4.53246
GET4	-0.256596	6.96957881	-5.8489	2.05E-06	1.88E-05	4.69753
SPPL2B	-0.256677	6.405946062	-6.05789	1.14E-06	1.14E-05	5.279042
PRSS27	-0.256781	7.033613992	-2.6004	0.01426	0.0401295	-3.85635
ADCY6	-0.256795	7.518569188	-2.83248	0.0081358	0.0248655	-3.33832
ABR	-0.256831	7.829901063	-5.44749	6.38E-06	4.95E-05	3.576579
UNK	-0.257514	7.662957947	-4.4561	0.0001057	0.0005652	0.82151
RNF25	-0.257524	7.250552563	-3.50166	0.0014568	0.0055377	-1.71511
TSPAN15	-0.25757	6.57585568	-3.76403	0.0007189	0.0029676	-1.03772
KANSL1	-0.257634	9.825549342	-2.38909	0.0233128	0.0612157	-4.30341
ZNF839	-0.257857	8.307194574	-3.02739	0.0050006	0.0163416	-2.88372
TAOK2	-0.258104	6.510714027	-3.95539	0.000426	0.0018906	-0.53273
ADAM11	-0.25813	6.342896096	-3.71944	0.0008114	0.0032982	-1.15415
PCK2	-0.258209	7.478222827	-3.55923	0.0012493	0.0048387	-1.56812
MATK	-0.258252	6.436027516	-3.64616	0.0009891	0.0039275	-1.34437
SART1	-0.25836	6.278012345	-3.63862	0.0010094	0.0039983	-1.36385
TRIOBP	-0.258383	7.179342865	-5.12197	1.61E-05	0.0001091	2.666988
ZNF14	-0.258505	8.755039725	-2.09421	0.0447054	0.1067701	-4.88302
TFAP2A	-0.258899	8.582571548	-5.26252	1.08E-05	7.80E-05	3.059542
ZDHHC9	-0.258939	7.493124352	-5.30174	9.65E-06	7.07E-05	3.169139
HLA-B	-0.259007	12.99950877	-2.62944	0.0133088	0.0378786	-3.79303
ZMYM3	-0.259043	6.529158299	-6.3737	4.71E-07	5.42E-06	6.153234
SLC6A13	-0.259138	7.153823625	-3.61734	0.0010689	0.0042057	-1.41877
MPP2	-0.259141	6.203347363	-3.79051	0.000669	0.0027893	-0.96836
SH3KBP1	-0.259312	8.340487901	-2.18009	0.0371486	0.0913302	-4.71988
SCAF1	-0.259586	6.44707468	-4.66213	5.92E-05	0.0003383	1.388765
DCAF11	-0.259663	7.625107557	-3.63299	0.0010249	0.0040504	-1.37839
SIN3B	-0.259892	7.088913996	-2.2831	0.0296045	0.0751438	-4.51797
DPRXP4	-0.25998	6.323602302	-2.88437	0.0071563	0.0222762	-3.21895
GPR119	-0.26001	6.651430998	-3.74973	0.0007474	0.0030702	-1.07512
TAPBPL	-0.260136	7.377119448	-2.6208	0.0135853	0.0385469	-3.81191
PEX10	-0.260312	7.246714363	-4.54159	8.31E-05	0.0004572	1.056341
LRP5	-0.26033	7.423235983	-5.00458	2.24E-05	0.000146	2.339575
HM13	-0.260435	6.665397012	-6.05341	1.15E-06	1.15E-05	5.266614
GJC1	-0.260464	9.606180139	-2.73695	0.0102761	0.0302682	-3.55478
STOX2	-0.260527	9.064299364	-2.43079	0.0211907	0.0563914	-4.21717
KLHL36	-0.260672	8.677386229	-3.20331	0.0031885	0.0110211	-2.45978
ALG9	-0.260797	9.255722569	-3.79153	0.0006671	0.0027845	-0.96568
TCIRG1	-0.260826	6.446396186	-5.7026	3.10E-06	2.66E-05	4.289412
TMEM201	-0.260933	6.276240516	-6.49619	3.35E-07	4.09E-06	6.490456
PTPN14	-0.260945	7.842814869	-3.2118	0.0031192	0.0108065	-2.43899
ALS2CL	-0.260989	7.237253997	-2.80227	0.0087626	0.0264898	-3.40724
QDPR	-0.261048	9.752517267	-2.28866	0.0292397	0.0743346	-4.50688
MIEF2	-0.261077	6.154967627	-5.71304	3.01E-06	2.60E-05	4.318561
GBP3	-0.261118	7.076043236	-4.78382	4.19E-05	0.0002512	1.725711
FBXW2	-0.261142	8.220311009	-3.698	0.0008599	0.0034685	-1.20996
SP6	-0.261377	6.875905481	-3.32137	0.0023452	0.0084183	-2.16871
CCDC94	-0.261499	7.569137522	-2.85247	0.0077443	0.0238376	-3.29247
PSMD11	-0.26154	7.494647122	-4.31673	0.0001562	0.0007961	0.440605
ARHGEF17	-0.26159	6.638302494	-4.79296	4.09E-05	0.0002456	1.751081
CDPF1	-0.261639	6.953319303	-3.55257	0.0012717	0.004912	-1.58518

B4GALT5	-0.261812	8.202924307	-3.47782	0.0015522	0.0058626	-1.77569
TCTN3	-0.262269	7.149124278	-4.27184	0.0001771	0.000889	0.318495
CLDN4	-0.262629	6.731588948	-3.54187	0.0013086	0.0050395	-1.61254
WNT10B	-0.262705	6.723624025	-2.87851	0.0072611	0.0225696	-3.23249
MED22	-0.262715	6.986901931	-2.69644	0.011334	0.0329442	-3.64524
NR1D1	-0.262814	6.414935272	-4.53581	8.45E-05	0.0004641	1.040439
PVR	-0.262841	7.424532326	-3.24308	0.0028763	0.0100731	-2.36228
KCNMB1	-0.263132	6.779510212	-2.55617	0.0158308	0.0438977	-3.95197
PRKCZ	-0.263504	7.384873294	-4.68051	5.62E-05	0.000324	1.439577
GTF2IRD1	-0.263719	7.529482365	-5.14206	1.52E-05	0.0001041	2.723082
SYBU	-0.263833	8.228303048	-2.2983	0.0286167	0.0729706	-4.48761
KIAA1958	-0.263953	6.601059348	-4.34682	0.0001436	0.00074	0.522616
EXO5	-0.264278	8.223782592	-2.0695	0.0471188	0.1116003	-4.92906
SLC36A1	-0.264483	6.912938119	-3.46854	0.0015909	0.0059934	-1.7992
ADIPOR2	-0.264615	10.34271912	-2.60038	0.0142609	0.0401295	-3.85641
CDCA4	-0.264689	8.478375495	-3.59385	0.0011386	0.0044508	-1.47927
CNNM1	-0.264858	6.972299953	-3.90888	0.000484	0.0021145	-0.65623
SLC6A6	-0.264925	6.483070005	-3.51944	0.0013894	0.0053094	-1.66981
TERC	-0.26506	6.156104912	-3.03561	0.0048975	0.0160372	-2.86417
PADI3	-0.265476	6.330785923	-3.13216	0.0038293	0.0129637	-2.63269
ZNF543	-0.265556	7.588998813	-2.28511	0.0294718	0.0748658	-4.51395
SGPP2	-0.265773	8.198294154	-3.59952	0.0011213	0.004395	-1.46466
GPR143	-0.265852	6.465075894	-3.30834	0.0024266	0.008672	-2.20109
ATN1	-0.265959	6.738098648	-5.56249	4.61E-06	3.73E-05	3.898029
ABCA4	-0.265962	6.876720122	-2.75416	0.0098551	0.0292279	-3.5161
ELP3	-0.266104	9.553323151	-3.32669	0.0023128	0.0083267	-2.15549
PITPNA	-0.266638	8.712811802	-3.09061	0.0042586	0.0142652	-2.73278
WFIKKN1	-0.266651	6.367990227	-2.46695	0.0194953	0.0524988	-4.14159
ZBTB48	-0.266707	8.622840197	-2.54509	0.0162486	0.0448894	-3.97576
TMEM61	-0.266718	7.021695315	-2.66798	0.0121367	0.0349581	-3.70828
SOGA1	-0.266943	6.849722969	-4.95733	2.56E-05	0.0001638	2.207961
CRB3	-0.266986	8.654779884	-3.68879	0.0008816	0.0035463	-1.23387
NFIC	-0.267037	7.348122607	-4.08864	0.0002948	0.0013691	-0.17652
ACOT1	-0.26721	6.64299146	-4.1264	0.0002655	0.0012522	-0.07495
BNIP1	-0.267282	12.85179748	-2.84506	0.0078874	0.0241907	-3.3095
SLC29A2	-0.267456	6.761838896	-3.31998	0.0023538	0.0084429	-2.17217
PCDHB9	-0.267586	6.767937936	-2.32466	0.0269737	0.0693004	-4.43463
FLNC	-0.26759	6.372824966	-3.03572	0.0048962	0.0160356	-2.86392
NEURL4	-0.267654	7.364722408	-3.51759	0.0013963	0.0053336	-1.67454
SLC25A38	-0.267689	8.138469843	-2.5991	0.0143042	0.0402221	-3.85919
EXOSC5	-0.267775	9.593852959	-2.50428	0.0178765	0.048721	-4.06279
VSTM2L	-0.26791	6.26872329	-3.15708	0.003592	0.0122652	-2.57235
ATP5B	-0.267977	14.04155254	-3.92298	0.0004657	0.0020448	-0.61885
C11orf31	-0.268229	7.162450046	-3.33228	0.0022792	0.0082162	-2.14156
IGF1R	-0.268399	6.509557002	-3.72515	0.000799	0.0032523	-1.13926
TAB1	-0.268408	6.988677371	-4.62253	6.61E-05	0.0003732	1.279405
CHD4	-0.268661	9.95329674	-3.07366	0.0044465	0.0147986	-2.7734
TOR2A	-0.268663	6.397795782	-4.33281	0.0001494	0.0007661	0.484419
ANGPTL4	-0.268671	6.819059188	-3.24345	0.0028735	0.0100669	-2.36137
CTDSPL	-0.268823	11.33381537	-2.79362	0.0089503	0.0269691	-3.4269
ZFYVE19	-0.268846	9.007803134	-2.83326	0.0081201	0.0248219	-3.33652
SPHK1	-0.269501	6.580274841	-4.34194	0.0001456	0.0007492	0.509314
WNT5B	-0.2696	6.726617798	-3.65014	0.0009786	0.0038906	-1.33407
ZNF329	-0.269694	8.412886688	-3.41752	0.0018212	0.0067507	-1.9281
SSR2	-0.26972	7.914997849	-4.37278	0.0001335	0.0006945	0.593479
WDR1	-0.269956	9.577071913	-3.32121	0.0023462	0.0084203	-2.1691
ZMAT5	-0.270275	7.522656463	-2.7792	0.0092715	0.0277216	-3.45958
ITIH4	-0.270277	6.307330926	-2.49624	0.0182142	0.0495162	-4.07982
KAT7	-0.270413	6.656391823	-2.73051	0.0104378	0.0306654	-3.56921

LRRN4CL	-0.270673	6.235578587	-6.67426	2.05E-07	2.76E-06	6.978517
ACKR2	-0.270783	7.092245155	-3.05021	0.0047196	0.0155489	-2.82941
DPH1	-0.270783	6.910053889	-4.0269	0.0003498	0.0015947	-0.34199
TNK1	-0.27083	6.270970695	-3.91878	0.000471	0.0020655	-0.62998
TESK2	-0.271325	8.851662056	-3.06751	0.0045167	0.0149874	-2.78812
LONP2	-0.271423	8.35022	-2.97227	0.0057461	0.018476	-3.01396
TRPV4	-0.271543	6.454256247	-4.30517	0.0001614	0.0008197	0.409132
ATXN2	-0.271762	10.05853375	-2.96958	0.005785	0.0185834	-3.02028
PHB2	-0.271927	10.651912	-2.10503	0.0436837	0.104678	-4.86273
GFOD2	-0.272256	8.485295223	-3.56723	0.0012228	0.0047519	-1.54762
MVB12B	-0.272323	6.63426445	-5.70819	3.05E-06	2.63E-05	4.305014
INPP5B	-0.272439	7.724068561	-2.50445	0.0178692	0.048708	-4.06242
HOXC11	-0.272811	7.161213077	-3.15253	0.0036343	0.0123888	-2.58339
VAR5	-0.272863	7.301255878	-6.84367	1.29E-07	1.88E-06	7.440269
MCAT	-0.273071	6.89046977	-3.78873	0.0006722	0.0027986	-0.97301
VPS11	-0.273225	7.573055549	-3.35999	0.0021193	0.0077298	-2.07243
ARHGEF1	-0.273393	6.667711752	-4.80787	3.92E-05	0.0002372	1.792456
APOBEC3C	-0.273421	6.782342032	-2.30734	0.028043	0.0716775	-4.46948
FAM212B	-0.273551	6.833979858	-5.30437	9.58E-06	7.03E-05	3.176494
PI4KA	-0.273562	9.668518695	-3.13313	0.0038198	0.0129358	-2.63034
CARD14	-0.273757	6.640372465	-3.67767	0.0009085	0.0036447	-1.26274
TMEM132A	-0.273799	6.556994704	-3.73577	0.0007763	0.0031713	-1.11157
INPP5A	-0.273845	7.355189867	-6.31818	5.50E-07	6.17E-06	6.000031
ATRIP	-0.273863	8.303621269	-3.52152	0.0013817	0.0052831	-1.6645
KIAA1324	-0.274132	6.409332204	-3.33494	0.0022633	0.0081621	-2.13494
GRB2	-0.274245	7.797996959	-4.89105	3.10E-05	0.000193	2.023526
SIRPA	-0.274284	8.65695677	-2.65193	0.0126128	0.0361737	-3.74368
BAG3	-0.274379	11.24185845	-2.04899	0.0492092	0.1158021	-4.96698
EFS	-0.274416	8.074248977	-4.50776	9.14E-05	0.0004967	0.963307
TOP1MT	-0.274469	7.609655488	-2.9872	0.0055344	0.0178693	-2.97881
KIF26B	-0.274591	6.23483804	-4.07488	0.0003063	0.0014162	-0.21345
XPNPEP3	-0.27462	9.716744818	-2.51353	0.0174947	0.0478351	-4.04314
FLYWCH1	-0.2748	6.757884572	-5.48516	5.74E-06	4.51E-05	3.681888
JRK	-0.274835	6.356774952	-4.19942	0.0002168	0.0010547	0.122145
TRIM21	-0.274884	7.894616592	-2.50605	0.0178026	0.0485605	-4.05902
OVOL2	-0.274949	10.38830659	-2.17631	0.0374556	0.0919219	-4.72716
SAFB2	-0.274983	8.662298032	-3.42749	0.0017738	0.0065964	-1.90297
COPZ1	-0.275285	10.54909369	-2.66363	0.0122642	0.035273	-3.7179
ARHGAP4	-0.275646	6.776762672	-2.82156	0.0083572	0.0254347	-3.36327
TIAF1	-0.275744	8.597831826	-4.75752	4.52E-05	0.0002673	1.652788
CRAMP1	-0.275866	8.129653609	-2.80796	0.0086412	0.026184	-3.39429
RHOA	-0.276048	12.27237938	-3.03703	0.0048799	0.0159877	-2.86079
WDR83OS	-0.276065	11.53991317	-2.75777	0.0097691	0.0290038	-3.50799
RGL2	-0.276303	8.368891773	-3.27108	0.0026744	0.0094545	-2.29331
INCA1	-0.276377	6.217524474	-5.2374	1.16E-05	8.27E-05	2.989354
BCL11A	-0.276476	9.478664026	-3.23048	0.0029719	0.0103592	-2.39324
ZMYND19	-0.276519	9.592449406	-3.8443	0.0005777	0.0024642	-0.82692
ARSD	-0.276614	7.281820633	-5.11732	1.63E-05	0.0001102	2.653999
CHRAC1	-0.276719	7.878140909	-3.98693	0.0003905	0.001757	-0.44873
PGM1	-0.276875	10.9741734	-3.22355	0.0030257	0.0105165	-2.41021
GCDH	-0.276887	7.429411739	-2.96773	0.005812	0.0186477	-3.02463
BCL2L12	-0.276932	7.841186894	-3.14895	0.0036679	0.0124824	-2.59206
ZBTB7B	-0.276955	7.068613899	-5.81099	2.28E-06	2.06E-05	4.591839
CDC42SE1	-0.277041	8.735494784	-3.26281	0.0027325	0.0096337	-2.31369
EXTL1	-0.277328	6.512257649	-3.83579	0.0005912	0.0025155	-0.84933
ST6GALNAC4	-0.277512	6.634539239	-3.80131	0.0006496	0.0027271	-0.94002
SLCO2B1	-0.277878	6.817161374	-2.90083	0.0068695	0.0215351	-3.18081
LARGE2	-0.278262	7.311782647	-2.7372	0.0102699	0.0302593	-3.55423
ARHGEF37	-0.278264	8.538278052	-2.46649	0.019516	0.0525399	-4.14255

SEL1L3	-0.278311	7.118680218	-3.25404	0.0027956	0.0098187	-2.33532	
RRP7A	-0.278432	7.29270735	-2.70442	0.0111178	0.0324034	-3.62749	
STX10	-0.278461	10.01338747	-3.20364	0.0031857	0.0110139	-2.45896	
PEX5	-0.278546	11.10661354	-3.62705	0.0010414	0.0041073	-1.39373	
LILRB3	-0.278599	9.774838047	-3.74031	0.0007668	0.0031358	-1.09972	
MURC	-0.278696	6.841502303	-6.06364	1.12E-06	1.12E-05	5.295027	
AACS	-0.278737	9.862334604	-4.1061	0.0002809	0.0013158	-0.12959	
PRDM11	-0.27874	7.484476026	-4.93393	2.74E-05	0.0001736	2.142829	
VGf	-0.279542	6.53885978	-4.00792	0.0003686	0.0016687	-0.39271	
PPT2	-0.279547	7.042898726	-3.22288	0.003031	0.010533	-2.41186	
CMTM4	-0.280092	6.848436644	-6.17513	8.21E-07	8.61E-06	5.604308	
FLNA	-0.280745	6.528338856	-2.22278	0.0338346	0.0842284	-4.63701	
ENTPD6	-0.280746	6.778499711	-4.1057	0.0002812	0.0013166	-0.13066	
PRDX5	-0.280969	12.58154104	-2.79726	0.0088709	0.0267462	-3.41863	
FARP2	-0.281001	7.540998678	-4.11564	0.0002736	0.0012867	-0.10391	
PLIN5	-0.281049	6.540882983	-3.10471	0.004108	0.0138154	-2.69887	
MIEF1	-0.281289	8.86480235	-2.45914	0.0198505	0.0533146	-4.15797	
SOX18	-0.281352	6.549727944	-2.84317	0.0079241	0.024292	-3.31382	
ST3GAL2	-0.28139	6.191174111	-5.83324	2.14E-06	1.95E-05	4.65387	
ADGRL1	-0.281447	7.40646248	-4.75644	4.53E-05	0.000268	1.649799	
NECAP2	-0.281564	10.58844648	-3.72571	0.0007977	0.0032487	-1.1378	
NSUN5	-0.282076	7.453882563	-4.10124	0.0002847	0.0013294	-0.14265	
HTRA2	-0.282128	7.747073889	-4.17864	0.0002297	0.0011075	0.065982	
MMP14	-0.282238	6.895232588	-3.96872	0.0004106	0.0018317	-0.49725	
HSPB7	-0.282505	6.17436867	-4.33095	0.0001501	0.0007691	0.479343	
ENTPD2	-0.282656	6.207506213	-5.38601	7.60E-06	5.75E-05	3.404723	
STRIP2	-0.282794	6.869618423	-2.41737	0.0218538	0.0579255	-4.24504	
P3H1	-0.282948	7.254656307	-4.45025	0.0001074	0.0005738	0.805455	
LYPD5	-0.283193	7.521522746	-2.33981	0.0260688	0.0673948	-4.404	
SFTA2	-0.283206	6.685133944	-4.17502	0.000232	0.0011173	0.056179	
SOX4	-0.283437	7.866770456	-2.84592	0.0078705	0.0241543	-3.30751	
RNF19B	-0.283504	8.200219281	-2.67018	0.0120728	0.0348103	-3.70343	
TRIM27	-0.283577	7.128039867	-3.34274	0.0022175	0.0080229	-2.11549	
ACOX3	-0.283653	9.012011253	-3.33342	0.0022724	0.0081931	-2.13872	
CLP1	-0.283803	8.535836035	-3.55219	0.001273	0.004916	-1.58614	
AGRN	-0.283981	6.88798298	-3.95058	0.0004316	0.0019128	-0.54554	
MSL2	-0.284053	6.969898674	-5.25265	1.11E-05	7.98E-05	3.031969	
PRR7	-0.284161	7.246217133	-3.79437	0.000662	0.0027649	-0.95824	
STK25	-0.28427	9.129731353	-4.05204	0.0003263	0.001495	-0.27471	
FKBP4	-0.284351	8.888956955	-3.3734	0.0020459	0.0074921	-2.0389	
ULK1	-0.284463	8.4732273	-3.49082	0.0014994	0.0056852	-1.74266	
FGFR3	-0.284653	10.11632461	-2.78974	0.0090358	0.0271759	-3.43571	
USE1	-0.284684	7.579219043	-2.15819	0.0389589	0.095142	-4.76194	
GTF2H4	-0.284742	8.736969122	-3.06932	0.0044959	0.0149311	-2.78377	
LUZP1	-0.284773	10.13955242	-2.58214	0.0148903	0.0416711	-3.89597	
PRR14	-0.284808	10.60001378	-3.79581	0.0006594	0.0027559	-0.95445	
VPREB3	-0.284848	6.371136935	-2.68004	0.0117903	0.0341225	-3.68162	
SAP130	-0.285329	9.073759218	-3.76763	0.0007119	0.0029422	-1.0283	
CAPZB	-0.285504	9.03739458	-2.81406	0.0085127	0.0258551	-3.38039	
ETHE1	-0.285615	6.518553129	-3.84924	0.0005699	0.0024354	-0.81389	
RBM23	-0.285884	10.2546222	-3.53251	0.0013417	0.0051486	-1.63645	
SIMC1	-0.286034	7.697565499	-4.35966	0.0001385	0.0007168	0.557649	
TCEA2	-0.286157	7.239275595	-3.83219	0.0005971	0.0025364	-0.85882	
	1-Sep	-0.28626	6.383113688	-5.07705	1.83E-05	0.0001218	2.541633
CCT7	-0.286387	10.47293151	-3.78586	0.0006775	0.0028157	-0.98056	
TXNDC11	-0.286508	7.691158029	-3.07427	0.0044397	0.0147849	-2.77195	
TGIF2	-0.286522	7.245516153	-2.8274	0.008238	0.025143	-3.34993	
GABPB2	-0.28654	9.946468051	-3.09423	0.0042194	0.014145	-2.72407	
STX5	-0.286668	8.899718238	-4.1458	0.0002516	0.0011952	-0.02268	

XRCC1	-0.286877	8.213202253	-3.08513	0.0043185	0.0144286	-2.74593
LRWD1	-0.28688	8.201923599	-2.91489	0.0066332	0.0209052	-3.14815
PSCA	-0.286993	6.525758645	-2.95363	0.0060212	0.0192458	-3.05771
DDA1	-0.287076	10.46302176	-3.7153	0.0008206	0.0033271	-1.16494
TIAM1	-0.28717	7.452145643	-2.31103	0.0278122	0.0712	-4.46208
CENPBD1	-0.287283	9.33929399	-3.37181	0.0020545	0.0075164	-2.04287
EPM2AIP1	-0.287937	9.263863691	-2.29397	0.0288951	0.0735935	-4.49628
SRGAP3	-0.288013	7.05291538	-3.10184	0.0041383	0.0139005	-2.7058
ZBED4	-0.28809	8.183474921	-2.94363	0.0061738	0.0196816	-3.08111
FST	-0.288147	7.523962371	-2.75048	0.0099437	0.0294413	-3.52439
AMIGO3	-0.288154	6.651012111	-5.67905	3.31E-06	2.81E-05	4.22367
HOXA4	-0.288279	7.118678438	-2.5469	0.0161797	0.0447246	-3.97188
PDE4C	-0.28867	9.475815947	-2.60884	0.0139772	0.0394626	-3.83799
NUDT16	-0.288792	7.045080357	-3.70717	0.0008388	0.0033933	-1.18609
PCDHGA12	-0.289122	6.184177685	-2.66956	0.0120908	0.0348517	-3.70479
STK10	-0.289133	6.813798416	-2.82468	0.0082934	0.0252685	-3.35615
RIPK1	-0.289386	9.005306226	-2.5666	0.0154465	0.0429749	-3.92951
MGLL	-0.289528	7.163170983	-4.36331	0.0001371	0.0007108	0.567609
ZMIZ2	-0.289616	7.853850353	-2.78136	0.0092228	0.0275974	-3.4547
RABGGTA	-0.289811	6.909506659	-4.87201	3.27E-05	0.0002017	1.970607
ZNF618	-0.290035	7.804356299	-3.13747	0.0037776	0.0128198	-2.61986
KLK10	-0.290067	7.146470007	-4.21851	0.0002055	0.0010087	0.173819
ZHX3	-0.290171	7.64475972	-2.73404	0.0103488	0.0304594	-3.56131
UBE2Q1	-0.290208	9.03013618	-3.68483	0.0008911	0.0035809	-1.24417
CADM4	-0.290491	7.807927498	-2.25631	0.0314204	0.0791116	-4.57111
NSUN5P1	-0.290704	7.187474588	-3.05802	0.0046269	0.0152979	-2.81079
TPD52L2	-0.290795	10.17118005	-4.05923	0.0003199	0.001468	-0.25544
IFRD2	-0.290869	7.891319659	-2.74889	0.0099823	0.0295328	-3.52796
TRIM62	-0.290877	6.666319411	-3.65788	0.0009584	0.0038164	-1.31404
TPCN1	-0.29089	6.13607211	-4.72137	5.00E-05	0.0002925	1.552638
SDHA	-0.291327	9.059854685	-2.62039	0.0135988	0.0385796	-3.81282
ZNF557	-0.2914	6.919861419	-2.8089	0.0086213	0.0261359	-3.39215
CAMKK2	-0.291505	6.64565215	-3.09901	0.0041682	0.0139914	-2.71258
AKAP1	-0.291653	6.886655559	-2.40501	0.0224808	0.0593282	-4.27061
ATG7	-0.292011	9.952670084	-3.20363	0.0031858	0.0110139	-2.45899
LZTR1	-0.292124	9.483217837	-3.16309	0.0035369	0.0120919	-2.55776
LRRC56	-0.292136	7.087038255	-3.6354	0.0010182	0.0040282	-1.37216
FUZ	-0.292172	6.955784218	-3.53238	0.0013422	0.0051495	-1.6368
CD276	-0.292194	6.984598105	-4.71578	5.08E-05	0.0002965	1.537173
UBE2J2	-0.292325	6.92725325	-6.02501	1.25E-06	1.23E-05	5.187713
MRM3	-0.292409	10.31927561	-2.16851	0.0380958	0.0933161	-4.74215
ADGRE5	-0.29272	6.78569026	-4.35568	0.0001401	0.0007238	0.546806
CYFIP2	-0.292723	6.65495029	-6.21471	7.35E-07	7.82E-06	5.713933
C17orf49	-0.292879	10.54301593	-2.54881	0.0161071	0.0445493	-3.96777
TXNL4A	-0.292956	7.848080921	-4.13261	0.000261	0.0012338	-0.05822
MCMDC2	-0.293051	8.066016718	-2.04281	0.0498538	0.1171911	-4.97833
CUL7	-0.293278	6.536335443	-5.17341	1.39E-05	9.65E-05	2.810603
RNF10	-0.293331	8.700042789	-3.02343	0.0050509	0.0164809	-2.89311
NXNL1	-0.293357	6.41571128	-2.89437	0.0069808	0.0218382	-3.1958
NLE1	-0.293387	6.648300257	-3.66303	0.0009451	0.0037706	-1.3007
SLC6A9	-0.293388	7.605430524	-5.23356	1.17E-05	8.35E-05	2.97862
MMP15	-0.293427	7.026503371	-3.91203	0.0004799	0.0020996	-0.64787
UBE4B	-0.293436	9.183128329	-2.1633	0.0385294	0.0941761	-4.75215
DHX8	-0.293646	7.241160098	-5.18176	1.36E-05	9.47E-05	2.833925
SLX1B	-0.29365	6.137347504	-5.8987	1.78E-06	1.66E-05	4.836259
ARL6IP4	-0.293762	7.802572481	-3.06355	0.0045623	0.015113	-2.79757
LPCAT4	-0.293852	6.905065917	-4.02239	0.0003541	0.0016113	-0.35405
TGFBR3L	-0.293881	6.150484217	-4.90091	3.01E-05	0.0001882	2.050938
DRAP1	-0.293907	11.24071598	-2.27807	0.0299381	0.0758519	-4.52798

AARS2	-0.29394	7.753924384	-3.76955	0.0007082	0.0029297	-1.02327
GANAB	-0.294009	8.196804689	-2.23648	0.0328284	0.0820394	-4.61016
LRRC20	-0.294239	6.747287193	-4.10614	0.0002809	0.0013158	-0.12948
C10orf2	-0.294439	7.696611572	-3.21965	0.0030565	0.0106083	-2.41979
PPOX	-0.294485	8.927615665	-2.47355	0.0191996	0.0518247	-4.12771
TOB2	-0.294869	8.142584388	-2.06137	0.047938	0.1132501	-4.94413
SCRIB	-0.295157	7.926629524	-4.39582	0.0001252	0.0006562	0.656456
TBKBP1	-0.295335	6.390654098	-5.50913	5.36E-06	4.24E-05	3.748886
TMCO6	-0.295457	7.175140827	-3.9517	0.0004303	0.0019082	-0.54255
MYOM3	-0.295751	7.209047121	-2.87569	0.0073121	0.0226989	-3.239
ATPAF2	-0.295777	7.205905596	-3.62384	0.0010504	0.0041404	-1.40202
SH3TC1	-0.295819	6.398278064	-5.27014	1.06E-05	7.66E-05	3.080833
KIAA0408	-0.29595	6.87260722	-2.57738	0.0150585	0.0420748	-3.90624
RPTOR	-0.296115	6.48897524	-4.60431	6.96E-05	0.0003908	1.229135
MPRIP	-0.296128	7.775717463	-4.98244	2.39E-05	0.0001542	2.277883
UBOX5	-0.296664	6.84975976	-5.37118	7.93E-06	5.96E-05	3.363252
KIAA0556	-0.296697	8.618912097	-2.37404	0.0241251	0.0630417	-4.33429
PCSK5	-0.296838	6.748716279	-2.31652	0.0274716	0.0704303	-4.45103
PLD6	-0.29693	6.666490907	-2.651	0.0126408	0.0362326	-3.74572
C1orf122	-0.296935	8.503104572	-2.43901	0.020794	0.0555106	-4.20006
C12orf43	-0.297174	7.559718818	-3.18977	0.0033019	0.0113708	-2.49283
TNFRSF13C	-0.297293	6.864188405	-4.3985	0.0001242	0.0006525	0.663787
LMAN2L	-0.297318	8.550185949	-3.4479	0.0016805	0.0062928	-1.85145
FIS1	-0.29748	11.0746129	-2.39044	0.0232413	0.0610575	-4.30064
C1QTNF4	-0.298392	6.921162502	-2.5385	0.0165019	0.0454857	-3.98988
ACTG1	-0.298493	12.56732562	-2.04932	0.049174	0.1157473	-4.96635
LOR	-0.29852	14.63208244	-2.14181	0.0403635	0.0980784	-4.79319
PNPLA4	-0.298624	6.957850025	-2.99523	0.0054235	0.0175435	-2.95985
IL2RB	-0.298632	8.235915201	-2.35604	0.0251304	0.0652469	-4.37104
NOB1	-0.298685	8.131308317	-3.26208	0.0027377	0.009647	-2.31549
OXLD1	-0.29875	9.077472244	-3.46549	0.0016039	0.0060399	-1.80695
ELMSAN1	-0.298802	8.020606723	-2.94683	0.0061246	0.0195376	-3.07363
SFTPC	-0.298811	6.152614883	-4.66799	5.82E-05	0.0003338	1.404975
ENTPD4	-0.298929	6.926216227	-4.31909	0.0001552	0.0007919	0.447049
ASGR1	-0.29908	8.650152645	-2.70048	0.0112239	0.032683	-3.63625
TNNT1	-0.299111	7.46883297	-2.20494	0.0351856	0.0871666	-4.67177
GLTSCR1L	-0.299323	9.794053635	-3.04807	0.0047453	0.0156178	-2.83452
TCF25	-0.299428	10.95617363	-4.25096	0.0001877	0.0009353	0.261809
TMBIM6	-0.299538	12.53192448	-2.53634	0.0165855	0.0456966	-3.99449
CHMP7	-0.299839	7.099647936	-5.15185	1.48E-05	0.0001017	2.750404
TMCC2	-0.299958	6.405566184	-4.58596	7.33E-05	0.0004094	1.17855
NAXD	-0.300462	9.797760245	-4.58078	7.44E-05	0.0004143	1.16427
UBTF	-0.300661	6.888297677	-6.65843	2.14E-07	2.87E-06	6.935244
RASAL1	-0.3007	7.990723304	-2.59849	0.0143249	0.0402628	-3.86052
PTCH1	-0.300737	6.837505019	-3.53278	0.0013408	0.005146	-1.63576
ACAD9	-0.300832	10.59820658	-3.04317	0.0048046	0.0157863	-2.84619
PEA15	-0.300926	11.52402504	-5.17401	1.39E-05	9.64E-05	2.812276
FAM83E	-0.300985	6.38266133	-4.83017	3.68E-05	0.0002238	1.854357
PEMT	-0.301111	7.485926775	-4.28084	0.0001727	0.0008692	0.342959
IL10	-0.301166	8.056178357	-2.08049	0.0460322	0.1094273	-4.90865
SLC25A28	-0.301241	10.46711209	-3.1328	0.003823	0.0129446	-2.63114
PDGFB	-0.301254	6.646792193	-5.74823	2.73E-06	2.39E-05	4.416774
TTC39C	-0.301648	9.284424579	-4.22801	0.0002002	0.0009868	0.199575
WWC1	-0.301931	8.804685287	-2.47258	0.0192427	0.0519338	-4.12975
HDAC3	-0.301957	9.874690084	-3.54641	0.0012929	0.0049847	-1.60094
CDC42EP2	-0.30204	6.697835166	-3.13555	0.0037962	0.0128694	-2.62449
PARP16	-0.302096	7.728285541	-4.23633	0.0001956	0.0009682	0.222127
ECH1	-0.302152	11.32836817	-3.06591	0.0045351	0.015033	-2.79194
OR7E91P	-0.302199	7.351489909	-2.78923	0.009047	0.0271978	-3.43686

ITPRIPL2	-0.302266	6.564291978	-2.98123	0.0056181	0.0181064	-2.99287
ACLY	-0.302598	9.56520614	-2.93571	0.0062973	0.020003	-3.09962
AHCYL1	-0.30262	10.98518863	-4.09594	0.0002889	0.0013468	-0.1569
PCBP4	-0.302842	7.032598327	-5.57431	4.46E-06	3.62E-05	3.931073
EEF2K	-0.302954	12.05397327	-2.20128	0.0354689	0.0877342	-4.67889
DUOXA1	-0.303014	9.170021301	-2.34833	0.0255725	0.0662705	-4.38672
MARVELD3	-0.303098	6.846350597	-5.39851	7.34E-06	5.57E-05	3.439653
HMBOX1	-0.30315	7.633540223	-2.90384	0.0068183	0.0214026	-3.17383
MEGF8	-0.30348	6.371129135	-4.79844	4.02E-05	0.0002422	1.766279
SP8	-0.304022	6.726002231	-2.60492	0.0141079	0.0397739	-3.84653
ASF1B	-0.304404	7.217398948	-2.41003	0.022224	0.0587915	-4.26023
GBGT1	-0.304404	6.535577648	-3.46896	0.0015892	0.0059891	-1.79816
NOC4L	-0.304428	6.845647735	-5.20635	1.27E-05	8.91E-05	2.902612
GPN2	-0.304534	9.411547635	-4.25721	0.0001845	0.000922	0.27878
PEX26	-0.304627	6.516799543	-5.44109	6.50E-06	5.03E-05	3.558706
MMP28	-0.305042	8.598360278	-2.14212	0.0403364	0.0980319	-4.7926
DOLPP1	-0.305354	8.7238821	-3.91445	0.0004767	0.002088	-0.64146
MSN	-0.305361	11.44763768	-3.92626	0.0004615	0.0020269	-0.61013
SLC46A3	-0.305478	7.192471453	-2.49138	0.0184213	0.0499953	-4.09011
MRPL4	-0.305538	7.098625265	-3.72222	0.0008053	0.0032748	-1.1469
SMG8	-0.305556	7.650082034	-4.55851	7.92E-05	0.000438	1.102924
ATXN2L	-0.305722	6.492739658	-3.87673	0.0005286	0.0022821	-0.74133
C14orf93	-0.305787	8.949720062	-3.05988	0.0046051	0.0152364	-2.80634
TMC4	-0.306078	6.42331002	-2.95739	0.0059647	0.0190934	-3.04889
KIAA0100	-0.3061	6.82610368	-3.16155	0.0035509	0.0121377	-2.56149
RER1	-0.306272	7.411530646	-3.57914	0.0011844	0.0046132	-1.51705
PAGR1	-0.30653	7.991944347	-3.04668	0.0047621	0.015665	-2.83783
EIF4G1	-0.306618	8.624352286	-4.26801	0.000179	0.0008979	0.308097
KDSR	-0.307015	10.34838726	-3.87541	0.0005305	0.0022888	-0.7448
CASP2	-0.307065	8.469344007	-6.30147	5.77E-07	6.43E-06	5.953864
PI4K2A	-0.307147	7.092794919	-4.53417	8.49E-05	0.0004658	1.035911
SIK3	-0.307455	8.900902085	-2.70231	0.0111745	0.0325538	-3.63217
ASGR2	-0.307612	6.704747199	-3.63171	0.0010284	0.0040611	-1.38171
SPN	-0.307754	6.718375505	-3.37296	0.0020483	0.007498	-2.04
AKR7A3	-0.307846	7.433419321	-3.79106	0.000668	0.0027857	-0.96691
NFKB2	-0.308152	6.950152279	-2.74104	0.0101744	0.0300236	-3.5456
PRKCB	-0.30845	7.274412327	-2.89417	0.0069842	0.0218418	-3.19625
RAB15	-0.308463	6.592909624	-3.53599	0.0013293	0.0051121	-1.62756
FANCG	-0.308507	8.476467749	-2.53552	0.0166176	0.0457785	-3.99625
CSF2RA	-0.308549	8.154094856	-2.2295	0.0333376	0.0831513	-4.62385
PLCG1	-0.308642	7.530408786	-2.91745	0.006591	0.020793	-3.14219
SSU72	-0.308658	12.50664713	-4.87899	3.20E-05	0.0001986	1.990011
FOXP4	-0.308791	6.809331569	-6.1801	8.09E-07	8.51E-06	5.618079
ARAP3	-0.308981	6.326270107	-6.49174	3.40E-07	4.13E-06	6.478211
PPP2R3B	-0.309011	7.408900428	-2.64685	0.0127669	0.0365615	-3.75484
NCKIPSD	-0.309087	6.968944068	-5.28886	1.00E-05	7.30E-05	3.133147
ABL1	-0.309149	7.527670609	-6.50126	3.31E-07	4.05E-06	6.504391
ALX1	-0.30925	5.883801053	-5.21463	1.24E-05	8.74E-05	2.925748
GLRX5	-0.309348	12.1811735	-6.12952	9.32E-07	9.57E-06	5.477873
UFSP1	-0.309518	6.478676225	-3.82294	0.0006124	0.0025933	-0.88316
LYSMD4	-0.309658	8.558086073	-5.20044	1.29E-05	9.05E-05	2.886104
TOMM40	-0.309979	10.61405315	-3.52908	0.0013541	0.005192	-1.64522
KCTD5	-0.310074	10.78471419	-5.3821	7.69E-06	5.80E-05	3.393788
DEAF1	-0.310202	7.124079431	-5.31967	9.17E-06	6.78E-05	3.219269
FITM1	-0.310258	6.843896657	-3.97583	0.0004027	0.0018016	-0.47832
LRPAP1	-0.310278	8.592010074	-3.28528	0.0025772	0.0091459	-2.25821
ZNF747	-0.310377	6.585873477	-3.74217	0.0007629	0.0031227	-1.09487
AKNA	-0.310379	6.929202691	-2.86047	0.0075927	0.0234426	-3.27407
OLFML2A	-0.310447	9.95341358	-2.47637	0.0190745	0.0515158	-4.12177

FAM170B	-0.310521	6.662683566	-4.42547	0.0001152	0.000611	0.737588
DMKN	-0.310599	13.48284649	-3.88082	0.0005227	0.0022611	-0.7305
TMEM268	-0.310609	7.070468077	-3.0604	0.004599	0.0152188	-2.80509
C16orf74	-0.310662	6.768641111	-2.33097	0.0265938	0.068485	-4.4219
SORD	-0.310751	7.926680379	-2.99799	0.005386	0.0174367	-2.95335
DEF6	-0.310863	8.545231269	-3.84549	0.0005758	0.0024567	-0.82379
CIZ1	-0.310958	6.746659979	-4.55149	8.08E-05	0.0004459	1.083572
LOC102724002	-0.311393	7.650009151	-2.82227	0.0083428	0.0253947	-3.36166
REPIN1	-0.311422	7.744344678	-5.69554	3.16E-06	2.71E-05	4.269704
HSD17B13	-0.311485	6.381681731	-2.77065	0.009467	0.0282279	-3.47891
SNRNP70	-0.311587	9.82969998	-2.71027	0.010962	0.0320164	-3.61446
FDX1L	-0.311639	8.081064164	-2.56759	0.0154107	0.0429108	-3.92739
NBAS	-0.311666	7.959834342	-4.25352	0.0001864	0.0009296	0.268762
SNX11	-0.311961	7.71949486	-5.15851	1.45E-05	0.0001002	2.768997
TSPYL5	-0.312031	7.42373128	-2.68047	0.0117781	0.0340921	-3.68067
ZNF275	-0.312189	6.618725572	-4.69433	5.40E-05	0.0003123	1.477808
PRKCD	-0.312566	8.195592184	-4.73909	4.76E-05	0.0002799	1.601723
TTI2	-0.312568	8.139278041	-3.69381	0.0008697	0.0035029	-1.22084
C6orf136	-0.312813	8.745630063	-4.93639	2.72E-05	0.0001727	2.149659
SIN3A	-0.312823	9.977341976	-2.47889	0.0189636	0.051302	-4.11648
INTS3	-0.312923	9.172633651	-3.49117	0.0014981	0.0056811	-1.74178
PYCR2	-0.312945	8.51055636	-3.56042	0.0012453	0.0048263	-1.56508
AP3D1	-0.313279	8.569223198	-5.40603	7.18E-06	5.48E-05	3.460688
ARHGAP39	-0.313433	8.077949726	-2.49518	0.018259	0.0496171	-4.08206
ZNF592	-0.3137	6.374891194	-4.75327	4.57E-05	0.0002701	1.641006
MYD88	-0.313795	9.063143854	-5.4683	6.02E-06	4.71E-05	3.634766
POU2F1	-0.313875	7.058840129	-3.08993	0.004266	0.0142825	-2.7344
ARHGEF4	-0.314046	8.007579	-3.14261	0.0037281	0.0126606	-2.60742
ZKSCAN4	-0.314133	7.839425095	-3.56783	0.0012208	0.0047466	-1.54608
HNRNPL	-0.31438	10.7465333	-4.07976	0.0003022	0.0013992	-0.20037
TMEM86B	-0.314395	7.090578825	-3.89975	0.0004963	0.0021613	-0.68042
PLXNA2	-0.314466	6.962381371	-2.57545	0.0151275	0.0422313	-3.91043
TRAF2	-0.314608	7.394524893	-4.1623	0.0002403	0.0011503	0.021833
SHC1	-0.314692	7.680611185	-8.2808	2.82E-09	8.74E-08	11.23169
MKRN1	-0.314699	12.10128024	-3.42218	0.0017989	0.0066782	-1.91636
ARHGAP19	-0.314784	8.332080339	-3.59453	0.0011365	0.0044444	-1.4775
ABLIM3	-0.314873	6.389910731	-4.41763	0.0001178	0.0006231	0.71612
TSEN54	-0.315098	8.560479976	-3.66284	0.0009456	0.0037718	-1.30118
FBXO17	-0.315229	6.737372413	-5.53548	4.98E-06	3.98E-05	3.822541
LDOC1L	-0.315501	7.607893851	-2.82606	0.0082654	0.0252027	-3.35301
BCORL1	-0.315653	6.621227505	-4.44076	0.0001104	0.0005872	0.779459
CD37	-0.31577	6.437399491	-3.05796	0.0046276	0.0152979	-2.81092
FBXO42	-0.315989	6.602768876	-4.06174	0.0003176	0.0014589	-0.2487
IL17D	-0.316023	6.629134722	-4.76961	4.37E-05	0.0002598	1.686309
H2AFJ	-0.316033	10.76547189	-2.73377	0.0103557	0.0304751	-3.56192
LEP	-0.316036	6.962990766	-2.33556	0.0263197	0.0678807	-4.4126
PCYT2	-0.316044	6.901970702	-4.67976	5.63E-05	0.0003245	1.4375
CCR6	-0.316328	9.101791232	-5.68705	3.24E-06	2.76E-05	4.245997
KAZN	-0.316389	6.861529518	-7.20553	4.81E-08	8.34E-07	8.417181
NLGN2	-0.316405	7.040146513	-4.40279	0.0001228	0.0006465	0.675504
DCXR	-0.316487	10.30385888	-2.33904	0.0261142	0.0674761	-4.40556
GALNT4	-0.316547	6.918397195	-2.33875	0.0261314	0.0675027	-4.40615
L2HGDH	-0.316572	8.800800295	-2.36299	0.0247377	0.0643566	-4.35687
SHC2	-0.316582	6.356059361	-4.81273	3.86E-05	0.0002344	1.805946
USP21	-0.316739	7.543892004	-5.24542	1.13E-05	8.11E-05	3.011768
STAP2	-0.316948	8.547607247	-4.03164	0.0003452	0.0015758	-0.32933
MAPK8IP3	-0.317062	7.4343464	-3.8655	0.0005451	0.0023387	-0.77099
INO80E	-0.317128	8.325837114	-3.44047	0.0017139	0.0064043	-1.87021
VOPP1	-0.317178	6.552363889	-5.5847	4.33E-06	3.53E-05	3.960103

RASA3	-0.317455	6.686017626	-4.73263	4.85E-05	0.0002846	1.583827
HILPDA	-0.317696	7.56822077	-2.25389	0.0315893	0.079475	-4.57589
WRAP53	-0.317717	7.676341443	-2.73497	0.0103255	0.0303999	-3.55922
OSBPL2	-0.317762	8.31615361	-2.05493	0.0485955	0.1145524	-4.95602
PMEPA1	-0.317769	7.020247149	-5.23553	1.16E-05	8.31E-05	2.984122
NUDC	-0.318104	11.79029028	-4.27523	0.0001754	0.0008811	0.327704
TUBB3	-0.318242	8.86844078	-2.48059	0.0188888	0.0511066	-4.11288
KIAA0319L	-0.318322	7.722253623	-3.8792	0.000525	0.0022692	-0.73479
C16orf86	-0.318354	6.533846696	-4.67081	5.77E-05	0.0003314	1.412779
MAN1A1	-0.318374	7.896292955	-4.07513	0.0003061	0.0014155	-0.21277
IFT140	-0.318418	6.777018043	-3.84607	0.0005749	0.0024539	-0.82225
OSCAR	-0.318465	6.771069509	-3.37425	0.0020413	0.007478	-2.03675
IKZF4	-0.318608	7.040209669	-3.70007	0.0008551	0.0034513	-1.20457
SERTAD3	-0.318855	7.35825264	-3.38532	0.0019827	0.007284	-2.00903
EPB41L4B	-0.318871	7.22687753	-5.87295	1.92E-06	1.77E-05	4.764543
MRPS18B	-0.318921	9.267696196	-3.25259	0.0028061	0.0098486	-2.33889
PIEZO1	-0.318962	9.156679766	-2.66977	0.0120847	0.0348394	-3.70433
TPGS2	-0.31927	9.202221444	-2.34915	0.0255251	0.0661655	-4.38506
C8orf58	-0.319283	7.175413061	-4.30759	0.0001603	0.0008146	0.415735
SCRN2	-0.31956	7.209562137	-2.92816	0.0064173	0.0203442	-3.11725
SUPT6H	-0.319899	7.573637907	-5.56894	4.53E-06	3.67E-05	3.916061
DCAF5	-0.320069	8.333452862	-4.21085	0.00021	0.0010276	0.153083
DNAJB12	-0.320236	7.249634047	-7.22607	4.55E-08	7.93E-07	8.47221
INHBB	-0.320588	7.391381413	-2.16306	0.0385494	0.094213	-4.75261
SSNA1	-0.320626	9.311285163	-2.86797	0.0074531	0.0230788	-3.2568
NTMT1	-0.320677	7.240606018	-4.15742	0.0002436	0.0011635	0.008676
GSTP1	-0.321621	13.50822202	-3.5288	0.0013551	0.0051948	-1.64593
DHX33	-0.321793	8.463900485	-3.4808	0.00154	0.0058229	-1.76812
F12	-0.32189	10.62782328	-2.49436	0.018294	0.0496913	-4.0838
LEPROT	-0.321933	10.434185	-2.76817	0.0095246	0.0283604	-3.48453
CCNO	-0.321952	7.406039656	-3.55109	0.0012768	0.0049286	-1.58897
ZNF263	-0.322328	9.335851255	-2.94526	0.0061486	0.0196112	-3.0773
ZNF652	-0.322402	8.516555068	-2.5065	0.0177841	0.0485372	-4.05807
PSENN	-0.322787	7.695182479	-2.87469	0.0073301	0.0227474	-3.24129
TUBA1B	-0.322944	13.91445268	-5.86375	1.97E-06	1.81E-05	4.73891
DAXX	-0.323082	7.986113925	-3.98477	0.0003929	0.0017659	-0.4545
PRPF31	-0.323218	10.08564424	-3.03176	0.0049456	0.0161809	-2.87333
SUMO3	-0.323335	11.79982228	-3.0853	0.0043166	0.0144245	-2.7455
SLC39A14	-0.323606	7.11632615	-3.40748	0.0018701	0.0069084	-1.95338
C9orf66	-0.323616	7.272716271	-2.37621	0.024006	0.0627558	-4.32983
NIPSNAP1	-0.323794	8.710742857	-3.3427	0.0022177	0.0080229	-2.11559
KIF22	-0.324077	8.436274204	-3.40201	0.0018973	0.0070022	-1.96713
DPYSL2	-0.324169	10.36779576	-2.33919	0.0261056	0.0674719	-4.40526
NSMF	-0.324306	8.019815682	-2.80184	0.0087718	0.0265094	-3.40822
KCTD10	-0.324461	8.830252616	-2.08849	0.0452549	0.1079099	-4.89373
TMPPE	-0.324468	6.53669755	-6.43794	3.94E-07	4.67E-06	6.330232
SOHLH1	-0.324535	5.946240362	-3.8455	0.0005758	0.0024567	-0.82374
C19orf48	-0.324726	8.456818363	-4.16901	0.0002359	0.0011336	0.039959
FOXJ1	-0.324779	6.650742089	-4.63213	6.44E-05	0.0003648	1.305909
PFAS	-0.325019	7.580866686	-3.51394	0.0014099	0.0053794	-1.68383
DUSP7	-0.325056	6.839836392	-4.45127	0.0001071	0.0005724	0.808262
PSMD9	-0.325352	7.914402559	-2.35803	0.0250171	0.0650049	-4.36697
RUBCN	-0.325761	6.612256198	-5.77613	2.52E-06	2.24E-05	4.494603
CYP46A1	-0.325782	6.249622349	-5.13232	1.56E-05	0.0001066	2.695869
RBBP5	-0.326105	8.00641753	-3.93615	0.0004491	0.0019793	-0.58389
PRMT5	-0.326617	9.391906746	-4.34147	0.0001458	0.00075	0.508044
AIP	-0.326713	9.041974505	-2.4467	0.0204287	0.0546557	-4.184
CUL9	-0.326974	7.836274407	-2.71071	0.0109502	0.0319867	-3.61347
MAML3	-0.327329	6.561589122	-3.7121	0.0008277	0.0033532	-1.17326

IER5L	-0.32733	6.671036985	-5.52956	5.06E-06	4.03E-05	3.806003
STRADA	-0.327415	7.45116458	-5.79203	2.41E-06	2.15E-05	4.538956
DIP2C	-0.327731	6.996072917	-2.722	0.0106551	0.0312519	-3.58825
LINGO4	-0.328051	6.71281791	-3.24115	0.0028907	0.010109	-2.36702
VSIG2	-0.328158	6.828375424	-2.49857	0.0181158	0.0492832	-4.07489
MRPL2	-0.328313	7.259102429	-3.02479	0.0050335	0.0164353	-2.88987
HYKK	-0.328696	6.79246336	-3.20927	0.0031396	0.0108639	-2.44518
SYNGR2	-0.329115	6.374251424	-5.56038	4.64E-06	3.74E-05	3.892139
ZFP64	-0.329158	6.914834514	-6.8901	1.13E-07	1.69E-06	7.566367
SFT2D3	-0.329245	7.647029667	-4.34015	0.0001463	0.0007525	0.504427
RAB3B	-0.329271	6.317506973	-4.44328	0.0001096	0.000584	0.786356
PMVK	-0.330307	9.573899831	-2.26524	0.0308045	0.077793	-4.55345
DPAGT1	-0.330485	7.801008937	-4.87358	3.25E-05	0.0002011	1.974952
ZNF436	-0.330891	6.930362287	-5.192	1.32E-05	9.23E-05	2.862538
CDT1	-0.330898	7.878542335	-2.2768	0.0300225	0.0760459	-4.5305
LGALS9	-0.330932	6.400329925	-4.46494	0.0001031	0.0005524	0.845735
ULK3	-0.330939	8.381939055	-3.20102	0.0032073	0.0110764	-2.46536
KCNS1	-0.331189	8.005653641	-2.60415	0.0141339	0.0398357	-3.84822
PHKG2	-0.331434	7.695593076	-4.78184	4.22E-05	0.0002524	1.720236
RNF44	-0.331465	8.338926431	-3.81385	0.0006277	0.0026494	-0.90707
PITHD1	-0.331575	11.84313753	-3.97431	0.0004043	0.0018081	-0.48238
SORT1	-0.331629	9.091131775	-2.25927	0.0312149	0.078686	-4.56526
TYK2	-0.331926	9.918290982	-3.46947	0.001587	0.0059821	-1.79684
C14orf159	-0.331929	9.762102249	-4.3347	0.0001486	0.0007629	0.489572
SCARA3	-0.332033	6.525428755	-5.04593	1.99E-05	0.0001316	2.454857
DECR2	-0.332169	8.846490306	-2.86587	0.007492	0.0231832	-3.26165
OGDH	-0.332263	7.333608665	-7.06525	7.03E-08	1.13E-06	8.040067
LRRC26	-0.33236	6.753094405	-3.40906	0.0018623	0.0068848	-1.94939
RHBDF2	-0.332419	8.095241247	-3.47733	0.0015542	0.0058668	-1.77692
HYAL3	-0.332452	7.505132799	-3.00272	0.0053221	0.0172614	-2.94216
ARAP1	-0.332645	6.879065663	-5.06751	1.88E-05	0.0001247	2.515027
SRPX	-0.332673	7.126860379	-2.36772	0.0244735	0.0637888	-4.3472
HCK	-0.332893	7.240473698	-2.23328	0.0330612	0.0825253	-4.61645
IL1RN	-0.332978	7.962689293	-7.05981	7.13E-08	1.15E-06	8.025402
EMC9	-0.333237	8.391611057	-3.30657	0.0024378	0.0087087	-2.20546
PRRX2	-0.333249	10.04971259	-2.80118	0.008786	0.0265439	-3.40971
GLB1	-0.333253	8.405645185	-6.35481	4.97E-07	5.67E-06	6.10114
CRIPAK	-0.333265	7.8461328	-2.19174	0.0362168	0.0893789	-4.69739
ZNF641	-0.333293	7.285428947	-2.96882	0.0057961	0.0186054	-3.02207
SELO	-0.333467	8.507430461	-4.78995	4.12E-05	0.0002474	1.742731
B4GALT1	-0.333514	7.839461828	-3.45246	0.0016603	0.0062303	-1.83992
NFRKB	-0.333618	7.061333775	-4.2343	0.0001967	0.0009729	0.216612
RARA	-0.333702	7.364389193	-7.38402	2.97E-08	5.62E-07	8.893919
CRKL	-0.333751	11.34677845	-2.54514	0.0162465	0.0448894	-3.97564
SLCO3A1	-0.334109	7.397809712	-6.58831	2.60E-07	3.35E-06	6.743277
EVL	-0.33414	11.37977816	-3.76325	0.0007205	0.002972	-1.03976
NADSYN1	-0.334286	8.914595071	-3.01995	0.0050955	0.0166042	-2.90136
SLC9A3R1	-0.334507	10.29935535	-4.26419	0.0001809	0.0009061	0.297708
HIP1R	-0.334524	7.471999865	-3.56013	0.0012463	0.004828	-1.56581
AHCY	-0.334707	11.14434929	-2.11201	0.0430361	0.103343	-4.84961
MTMR3	-0.334718	7.651124105	-3.56317	0.0012361	0.0047965	-1.55801
UCK1	-0.334748	6.983738862	-3.97094	0.0004081	0.0018222	-0.49134
LAMTOR1	-0.334756	11.04339997	-2.57818	0.01503	0.0420195	-3.90451
NAGA	-0.335446	6.691514928	-5.00383	2.25E-05	0.0001463	2.3375
C19orf52	-0.335773	8.872805591	-4.53851	8.38E-05	0.0004611	1.047866
NAALADL1	-0.33614	6.619384891	-3.58198	0.0011754	0.0045829	-1.50978
ZNF691	-0.336347	6.792557249	-4.09686	0.0002882	0.0013437	-0.15441
ARNT2	-0.336378	6.177465415	-5.03037	2.08E-05	0.0001367	2.411455
CDKN2AIPNL	-0.336409	9.353573021	-2.66494	0.0122258	0.0351886	-3.71502

PLPP2	-0.336423	7.792161511	-4.95946	2.55E-05	0.0001631	2.213889
TAZ	-0.336509	7.578295296	-3.58898	0.0011535	0.0045057	-1.49178
LANCL2	-0.336573	8.714878434	-3.3639	0.0020977	0.0076556	-2.06266
PARD6A	-0.336654	6.660413744	-4.9677	2.49E-05	0.0001599	2.236844
ABCC10	-0.336737	7.032142261	-3.93279	0.0004533	0.0019945	-0.5928
TMEM104	-0.336776	6.475512936	-4.85782	3.40E-05	0.0002086	1.931171
DIAPH1	-0.336802	9.630984074	-4.41294	0.0001193	0.0006304	0.703265
ABLIM1	-0.33708	9.057372983	-2.44616	0.0204543	0.0547093	-4.18514
ZNF76	-0.337213	7.357256499	-3.96811	0.0004113	0.0018344	-0.49889
SMIM10L2B	-0.337232	6.487511328	-5.45753	6.21E-06	4.83E-05	3.604645
KLHL18	-0.337524	7.770207338	-2.89379	0.0069908	0.0218518	-3.19713
TMEM2	-0.337637	7.328745634	-2.14101	0.0404338	0.0982123	-4.79472
FRMPD1	-0.337741	6.879059839	-2.29075	0.0291034	0.0740465	-4.50271
LEMD2	-0.337824	8.662901463	-3.82079	0.000616	0.0026069	-0.88881
ARID3B	-0.337896	7.285724351	-4.77095	4.35E-05	0.0002592	1.690028
TUBGCP6	-0.33804	7.402559727	-3.66896	0.0009301	0.0037223	-1.28534
DCTN2	-0.338108	12.36891687	-5.26148	1.08E-05	7.81E-05	3.056647
RCAN2	-0.338223	6.89314984	-2.75408	0.009857	0.0292291	-3.51628
MGAT4B	-0.338362	7.146000952	-5.99074	1.38E-06	1.34E-05	5.092421
NACC2	-0.338386	7.251085169	-3.19338	0.0032712	0.011275	-2.484
DDR1	-0.338395	7.936892544	-5.79496	2.39E-06	2.14E-05	4.547143
TP53I11	-0.338433	6.691702109	-3.34708	0.0021924	0.0079506	-2.10467
YIPF2	-0.338438	7.07395296	-3.323	0.0023352	0.0083902	-2.16465
PAPSS2	-0.338617	6.648636748	-4.40111	0.0001233	0.000649	0.670906
BANF1	-0.338906	9.04405816	-2.55745	0.0157832	0.0437845	-3.94922
COL8A2	-0.339117	7.549188176	-4.15601	0.0002446	0.0011669	0.004859
PUSL1	-0.339304	8.457173716	-3.59406	0.0011379	0.0044492	-1.47873
ZNF827	-0.339441	7.616032389	-2.94145	0.0062076	0.0197699	-3.08621
MED1	-0.33957	7.618261807	-2.10654	0.0435427	0.1043659	-4.85989
KAT8	-0.339817	9.17364288	-3.03414	0.0049158	0.0160917	-2.86767
EFHD1	-0.340017	6.41018504	-3.44818	0.0016792	0.0062906	-1.85074
SNX29	-0.340216	6.332593334	-2.98607	0.0055501	0.017908	-2.98146
FNDC4	-0.340367	6.524497455	-4.2305	0.0001988	0.0009817	0.206324
ZYG11B	-0.34049	10.50967291	-2.99234	0.0054632	0.0176599	-2.96668
PTAFR	-0.340803	6.733501381	-4.75233	4.58E-05	0.0002706	1.638405
TARBP2	-0.340908	7.91381927	-4.11516	0.0002739	0.0012878	-0.1052
VPS33B	-0.340981	8.843659167	-4.04693	0.0003309	0.0015152	-0.28838
PPM1F	-0.341036	9.469927115	-4.02324	0.0003533	0.0016079	-0.35179
POM121	-0.34105	8.820135154	-4.29995	0.0001637	0.0008309	0.394941
CTNS	-0.341259	6.973676783	-6.02924	1.24E-06	1.22E-05	5.199465
PPP1R1B	-0.341393	6.870603083	-4.35154	0.0001417	0.0007311	0.535487
ZNF746	-0.341533	9.042073586	-5.08453	1.79E-05	0.0001197	2.562516
RALGSP1	-0.341658	8.418571843	-2.61031	0.0139287	0.039343	-3.83481
HCP5	-0.341836	11.94824014	-2.43087	0.0211868	0.0563886	-4.217
IPO9	-0.34188	8.023379019	-4.48385	9.78E-05	0.0005276	0.897643
GRTP1	-0.342009	7.955377535	-3.80245	0.0006475	0.0027198	-0.937
IST1	-0.342051	11.38702741	-3.89381	0.0005044	0.0021928	-0.69615
POLL	-0.342073	6.552917793	-5.22029	1.22E-05	8.62E-05	2.94156
SYVN1	-0.342075	7.747761393	-4.16555	0.0002382	0.0011417	0.030613
ZNF687	-0.342184	6.52286226	-5.39189	7.48E-06	5.66E-05	3.421155
GPX2	-0.342282	9.812789803	-2.06232	0.0478416	0.11305	-4.94237
PIGV	-0.342512	8.955236213	-3.40776	0.0018687	0.0069045	-1.95266
RNF4	-0.34253	8.214723213	-5.67167	3.38E-06	2.86E-05	4.20306
KXD1	-0.342655	8.584350684	-2.58123	0.0149222	0.0417482	-3.89792
CEL	-0.342711	6.698172247	-2.4624	0.0197017	0.0529884	-4.15114
TSKS	-0.342869	6.687113215	-2.46111	0.0197603	0.0531247	-4.15384
NFKBIB	-0.342905	7.107678373	-6.10832	9.89E-07	1.01E-05	5.419061
TMEM185B	-0.342928	7.467518315	-5.33007	8.91E-06	6.61E-05	3.248338
USP54	-0.343003	6.573089442	-3.90035	0.0004955	0.002159	-0.67883

NOP9	-0.34308	7.018524957	-4.91026	2.93E-05	0.000184	2.076948
DLST	-0.343213	9.745829982	-3.39038	0.0019564	0.0072052	-1.99634
MRPS34	-0.343391	7.772879084	-3.12635	0.0038868	0.0131376	-2.64673
RAC3	-0.343454	7.063050753	-3.9967	0.0003802	0.001714	-0.42269
CDS2	-0.34352	7.996706519	-3.86624	0.000544	0.0023352	-0.76904
R3HDM2	-0.343683	7.186423398	-4.09347	0.0002909	0.0013526	-0.16352
ZNF821	-0.343723	7.98940861	-3.66612	0.0009373	0.0037463	-1.2927
RFWD3	-0.343751	9.100369675	-6.18514	7.98E-07	8.41E-06	5.632031
DCTD	-0.34395	9.158427981	-3.93831	0.0004464	0.0019685	-0.57813
DGCR8	-0.344006	8.689293608	-2.57702	0.0150716	0.0421054	-3.90704
FLT3LG	-0.344095	6.728926657	-3.41558	0.0018305	0.0067775	-1.93298
HN1	-0.344307	7.75744212	-3.06191	0.0045814	0.0151684	-2.80149
ABCF2	-0.344653	7.860594064	-4.30803	0.0001601	0.000814	0.416919
XKR8	-0.344704	6.983869259	-5.99594	1.36E-06	1.33E-05	5.106898
KLK9	-0.344925	6.583560425	-2.29744	0.0286717	0.0731013	-4.48933
PPP2R5B	-0.34495	7.951564976	-4.20074	0.000216	0.0010516	0.125735
RN7SL1	-0.345065	14.34376376	-3.47731	0.0015543	0.0058668	-1.77697
AKAP8L	-0.345171	7.763363747	-3.91874	0.0004711	0.0020655	-0.63009
ST5	-0.345349	7.096955014	-4.25828	0.0001839	0.0009202	0.281672
C6orf226	-0.345407	8.503201435	-2.69629	0.011338	0.0329462	-3.64558
MRPS16	-0.345493	10.09834499	-2.76195	0.00967	0.0287538	-3.49856
CAPN5	-0.345715	6.598913689	-3.39621	0.0019266	0.0071033	-1.98169
MFSB7	-0.345862	6.553398832	-4.1354	0.000259	0.0012263	-0.05071
NEDD4L	-0.345889	7.313606176	-2.39599	0.0229486	0.0604148	-4.2892
FN3KRP	-0.345895	9.738381962	-2.54797	0.016139	0.044625	-3.96958
TMEM177	-0.346033	8.231434255	-3.50307	0.0014514	0.005519	-1.71152
IBA57	-0.346223	7.041642122	-5.4406	6.51E-06	5.03E-05	3.557326
ZNF688	-0.346293	7.041644805	-4.3881	0.0001279	0.0006695	0.635351
THAP7	-0.346367	7.107930809	-6.22644	7.11E-07	7.63E-06	5.746393
PHF1	-0.34667	7.193344388	-4.25641	0.0001849	0.0009231	0.276608
SH2D3A	-0.346721	8.011642115	-3.56458	0.0012315	0.0047803	-1.5544
SHROOM4	-0.346891	7.880201318	-2.43326	0.0210707	0.0561645	-4.21203
ARHGAP22	-0.34706	6.848022526	-2.53974	0.0164539	0.0453739	-3.98722
SEC14L5	-0.34725	6.642960331	-6.45215	3.79E-07	4.53E-06	6.369327
NCOA5	-0.347275	9.200007192	-3.66724	0.0009345	0.0037373	-1.28979
ENDOV	-0.347428	7.472652347	-3.44455	0.0016955	0.0063417	-1.85993
CSRNP3	-0.347676	6.854410887	-4.17638	0.0002311	0.0011136	0.059852
FAM98C	-0.348023	8.330633552	-2.85068	0.0077786	0.0239251	-3.29658
TBX21	-0.348084	6.694457004	-3.42844	0.0017693	0.0065819	-1.90058
PKP1	-0.348137	9.816182191	-5.09142	1.75E-05	0.0001176	2.581728
MKS1	-0.348162	7.314598239	-4.26336	0.0001814	0.0009077	0.295473
KIAA0513	-0.348221	7.602488778	-2.45932	0.0198426	0.0533009	-4.15761
FOSL2	-0.348313	6.818479547	-3.28877	0.0025538	0.0090746	-2.24957
PPP1R11	-0.348933	11.59042956	-5.64551	3.64E-06	3.06E-05	4.129982
FBXL6	-0.348957	7.848374039	-5.53378	5.00E-06	3.99E-05	3.817794
ICAM2	-0.348987	6.861777568	-4.68888	5.48E-05	0.0003168	1.462734
HUWE1	-0.3491	7.813000153	-4.65682	6.00E-05	0.0003428	1.374089
DDOST	-0.349271	10.7544645	-4.00935	0.0003671	0.0016633	-0.38891
AGBL5	-0.349337	7.674965405	-4.94174	2.68E-05	0.0001705	2.164549
MED27	-0.349363	8.006673467	-3.44335	0.0017008	0.0063605	-1.86294
SEC24C	-0.349407	8.739317167	-8.82035	7.17E-10	2.98E-08	12.58834
EPS15L1	-0.349528	7.05312428	-5.12454	1.60E-05	0.0001084	2.674149
SDC1	-0.349557	8.502660208	-5.64832	3.62E-06	3.04E-05	4.137839
NSDHL	-0.349677	9.9681718	-4.48323	9.79E-05	0.0005282	0.89594
NEU1	-0.349712	8.840301362	-3.80309	0.0006464	0.0027163	-0.93533
C6orf106	-0.350063	7.50607771	-5.45072	6.33E-06	4.91E-05	3.58563
BABAM1	-0.350275	9.399293249	-3.06964	0.0044922	0.014924	-2.78301
KDM3B	-0.350292	8.81175406	-4.14101	0.000255	0.00121	-0.03558
ZNF317	-0.350411	8.769605938	-3.55731	0.0012557	0.0048578	-1.57304

CMIP	-0.350495	7.866103176	-6.40312	4.34E-07	5.07E-06	6.234345
LAMTOR4	-0.350592	12.1908821	-3.60118	0.0011164	0.0043773	-1.4604
ANAPC2	-0.350915	6.516983208	-5.73765	2.81E-06	2.45E-05	4.387249
RPP25L	-0.350948	7.727886515	-3.02716	0.0050034	0.0163481	-2.88425
CCER1	-0.351046	6.663861723	-4.19899	0.000217	0.0010552	0.120977
CACNB3	-0.351051	9.5578164	-3.69484	0.0008673	0.0034947	-1.21817
ZNF580	-0.351217	6.801296375	-6.76165	1.61E-07	2.26E-06	7.217042
CLSTN3	-0.351571	6.390527128	-3.47984	0.0015439	0.0058342	-1.77054
BRAT1	-0.351585	9.496660177	-4.42059	0.0001168	0.0006185	0.724219
THAP4	-0.351859	6.745591709	-4.10112	0.0002848	0.0013295	-0.14296
TFEB	-0.352102	6.438698268	-4.28902	0.0001688	0.0008515	0.365195
CCAR2	-0.352357	7.372017256	-6.54955	2.89E-07	3.67E-06	6.636978
GNB1	-0.352384	12.3719436	-3.80294	0.0006467	0.0027168	-0.93572
TBC1D9B	-0.3526	8.603353134	-4.49886	9.37E-05	0.0005076	0.938863
TMEM248	-0.352607	8.651682965	-4.5013	9.31E-05	0.0005045	0.945546
TMEM140	-0.35275	6.967933268	-4.65398	6.05E-05	0.0003453	1.366247
FBLN7	-0.35278	6.328721607	-4.16784	0.0002367	0.0011362	0.036788
ST3GAL3	-0.352858	6.825962309	-3.93451	0.0004511	0.0019864	-0.58824
GOLGA3	-0.353094	10.56448076	-3.23376	0.0029467	0.0102842	-2.38517
KLHDC4	-0.353171	7.940540608	-3.09327	0.0042298	0.0141736	-2.72639
WIPI2	-0.353363	7.354575387	-5.91885	1.68E-06	1.58E-05	4.892376
SLX1A	-0.353398	6.958307274	-4.14947	0.0002491	0.0011851	-0.01277
SH2D1A	-0.353857	7.457462357	-5.8169	2.25E-06	2.04E-05	4.608327
MZF1	-0.35411	7.831597231	-6.32218	5.44E-07	6.12E-06	6.011067
GPRC5C	-0.354112	7.841198875	-3.52549	0.0013671	0.0052357	-1.65438
PYCR1	-0.354117	6.204463304	-4.71583	5.08E-05	0.0002965	1.537303
DFFA	-0.354546	8.111284836	-4.80577	3.94E-05	0.0002383	1.786608
HOOK2	-0.354654	9.244882798	-3.85247	0.0005649	0.0024161	-0.80539
ATG4D	-0.354664	7.200710303	-6.23445	6.95E-07	7.50E-06	5.768573
MYO18A	-0.354793	7.069693816	-4.34691	0.0001436	0.00074	0.522868
GATS	-0.354871	7.87544853	-3.79839	0.0006547	0.002743	-0.94767
ZC3H18	-0.354999	7.181393886	-4.85817	3.40E-05	0.0002086	1.932133
ERBB3	-0.355017	8.196863037	-4.2091	0.000211	0.001031	0.148337
HELZ	-0.355175	7.693998702	-3.57864	0.001186	0.0046185	-1.51834
GPR68	-0.355194	7.608368263	-2.31729	0.0274241	0.070327	-4.44948
BPIFC	-0.355357	8.528254718	-2.43141	0.0211608	0.0563626	-4.21589
GPR137B	-0.355396	8.819335772	-4.42564	0.0001151	0.0006109	0.738044
XRCC3	-0.355408	7.316846985	-2.93146	0.0063646	0.0201945	-3.10955
TK2	-0.356079	7.149410668	-3.48425	0.0015259	0.0057742	-1.75937
NMT1	-0.35611	8.369754099	-3.88039	0.0005233	0.0022628	-0.73164
ARHGEF2	-0.356128	8.608702273	-2.80294	0.0087483	0.0264591	-3.40573
RAC1	-0.356658	10.05342903	-7.00964	8.18E-08	1.29E-06	7.890012
BLOC1S4	-0.356877	8.863716305	-4.12959	0.0002632	0.0012433	-0.06636
TMEM37	-0.356935	6.808041064	-3.43402	0.0017434	0.0064946	-1.8865
USP26	-0.356976	7.0897692	-3.79896	0.0006537	0.0027396	-0.94619
ZCCHC24	-0.357184	7.196293885	-4.57964	7.47E-05	0.0004156	1.161128
KLK11	-0.357217	10.02887406	-4.40232	0.0001229	0.0006471	0.674229
BSDC1	-0.357335	10.1061639	-4.06611	0.0003138	0.0014454	-0.23697
FGD5	-0.357348	6.649823814	-3.90467	0.0004896	0.0021356	-0.66738
CROCC	-0.35766	7.213905486	-4.59231	7.20E-05	0.0004032	1.19604
MMACHC	-0.357746	7.590541432	-4.00161	0.000375	0.001694	-0.40957
WLS	-0.357811	8.625793212	-3.22663	0.0030017	0.0104442	-2.40267
PISD	-0.357887	8.132332354	-4.93372	2.74E-05	0.0001736	2.142249
CFAP73	-0.358042	6.756209204	-3.45671	0.0016417	0.006169	-1.82916
ZGPAT	-0.358054	7.474381743	-6.21152	7.41E-07	7.88E-06	5.705099
DBN1	-0.358104	6.915143958	-3.79251	0.0006653	0.0027777	-0.9631
TMEM11	-0.358267	8.549359056	-3.97063	0.0004085	0.0018234	-0.49218
GPANK1	-0.358382	6.705534858	-5.35966	8.19E-06	6.14E-05	3.331053
TOM1L2	-0.358384	6.974813597	-4.77541	4.29E-05	0.0002563	1.702385

ST7-AS1	-0.35842	6.750053374	-3.32757	0.0023075	0.008309	-2.1533
CKAP4	-0.358506	11.19054194	-3.15093	0.0036492	0.0124299	-2.58726
MIF4GD	-0.358582	8.433511972	-3.26608	0.0027094	0.0095661	-2.30564
SLC50A1	-0.358973	8.421413782	-3.3704	0.0020621	0.0075414	-2.04639
XXYL1	-0.359102	9.406478942	-2.97678	0.0056813	0.0182919	-3.00334
INPPL1	-0.359161	8.784486032	-3.0534	0.0046816	0.0154526	-2.82182
HIP1	-0.359241	7.126602295	-2.57608	0.015105	0.0421745	-3.90907
SLC41A3	-0.359607	8.396471885	-4.90309	2.99E-05	0.0001874	2.057008
TUBA1A	-0.359696	11.98269876	-3.80012	0.0006517	0.0027342	-0.94313
CHAF1A	-0.359755	7.147357668	-5.3202	9.16E-06	6.78E-05	3.220738
ZNF703	-0.359856	6.28835233	-6.91548	1.06E-07	1.59E-06	7.6352
PRRG2	-0.360291	10.13577443	-5.38383	7.65E-06	5.78E-05	3.398614
VAC14	-0.360327	6.830223904	-7.16902	5.31E-08	9.00E-07	8.31923
PTPRM	-0.360332	6.484893887	-3.79772	0.000656	0.0027451	-0.94944
SLC30A2	-0.360415	6.362397937	-4.49206	9.55E-05	0.0005162	0.920169
FGFRL1	-0.360478	6.844443939	-4.80269	3.98E-05	0.0002399	1.778078
FBP1	-0.360716	6.775516875	-3.02918	0.0049779	0.0162757	-2.87945
UVSSA	-0.360768	7.481260694	-3.4811	0.0015387	0.0058204	-1.76735
MEX3D	-0.360806	7.217620045	-8.72784	9.04E-10	3.58E-08	12.35851
TACC2	-0.360846	9.303696618	-2.94941	0.0060851	0.0194244	-3.06758
APOBR	-0.360952	6.556101167	-5.44806	6.37E-06	4.94E-05	3.578197
TFCP2L1	-0.361222	8.271327748	-2.57695	0.0150738	0.0421055	-3.90717
HLA-F	-0.361375	10.0860902	-2.99815	0.0053837	0.0174322	-2.95295
FKRP	-0.361382	6.971973409	-5.2129	1.24E-05	8.77E-05	2.920904
ADAM9	-0.361446	7.219940761	-3.34758	0.0021896	0.0079433	-2.10344
NLRP8	-0.361532	8.431198484	-2.32889	0.0267186	0.0687632	-4.4261
LSM12	-0.361614	8.455887296	-2.69687	0.0113223	0.0329151	-3.64429
PEPD	-0.361634	10.54941737	-4.06637	0.0003136	0.0014447	-0.23627
ARHGEF16	-0.361769	6.978664545	-5.51838	5.22E-06	4.14E-05	3.774753
SRRM2	-0.361926	11.27109595	-2.39204	0.0231563	0.0608791	-4.29733
SEMA6C	-0.361958	6.558559009	-5.31018	9.42E-06	6.94E-05	3.192733
KCTD2	-0.362008	7.433542324	-5.40612	7.18E-06	5.48E-05	3.460934
ICOSLG	-0.362067	7.105177326	-4.94481	2.66E-05	0.0001692	2.17311
NFKBIL1	-0.362104	6.613271415	-5.41928	6.92E-06	5.30E-05	3.497739
RPS6KB2	-0.36242	11.00320694	-4.90885	2.94E-05	0.0001846	2.07304
P2RY2	-0.362748	6.876186509	-8.46842	1.74E-09	6.06E-08	11.70784
ACADVL	-0.363031	9.85753313	-3.9106	0.0004817	0.0021074	-0.65168
OS9	-0.363059	7.807852076	-3.70253	0.0008494	0.0034326	-1.19817
TRAF3IP2	-0.36306	7.829843779	-7.95547	6.55E-09	1.66E-07	10.39517
TMEM189-UBE2A	-0.36312	7.454141121	-4.12587	0.0002659	0.0012537	-0.07637
RFX2	-0.363268	7.586653752	-2.75468	0.0098428	0.029196	-3.51495
TRIM35	-0.363327	6.928580569	-6.44918	3.82E-07	4.56E-06	6.361166
FAM189B	-0.363354	7.715916671	-6.60183	2.50E-07	3.25E-06	6.780319
SUSD3	-0.363371	7.057684189	-2.71377	0.0108694	0.0317842	-3.60663
STRIP1	-0.363536	7.7107971	-3.89881	0.0004976	0.0021659	-0.6829
FAM222A	-0.363781	7.190406308	-2.80866	0.0086263	0.0261429	-3.39269
GNG7	-0.363799	6.749975195	-3.08562	0.0043131	0.0144192	-2.74474
CLASP1	-0.363863	9.50988658	-3.61205	0.0010842	0.0042643	-1.43242
CNKSRL1	-0.364039	6.699659262	-4.86042	3.38E-05	0.0002075	1.938394
PFKFB4	-0.364174	8.059273737	-2.30596	0.0281303	0.0718721	-4.47227
HNRNPAB	-0.36422	11.58908604	-4.54632	8.20E-05	0.0004521	1.069361
VASH1	-0.364228	6.88218079	-3.35407	0.0021526	0.007828	-2.08723
XYLT2	-0.364456	9.763260345	-4.21872	0.0002054	0.0010083	0.174403
CERS6	-0.364587	10.70070411	-2.30772	0.0280196	0.0716364	-4.46873
TMEM143	-0.364694	7.17680501	-3.76599	0.0007151	0.0029531	-1.0326
IFFO1	-0.364842	6.801289344	-4.04205	0.0003354	0.0015336	-0.30146
FGD1	-0.364868	8.020933714	-3.67816	0.0009073	0.0036415	-1.26149
VWA2	-0.365058	7.312314236	-2.73915	0.0102213	0.0301401	-3.54984
CHST3	-0.365187	8.18213884	-2.59982	0.0142796	0.0401587	-3.85761

IGF2BP3	-0.365345	6.437431608	-3.75898	0.0007289	0.0030048	-1.05094
GPX1	-0.365913	8.322108888	-3.53745	0.0013242	0.0050964	-1.62385
TMEM86A	-0.365962	6.839999817	-3.06691	0.0045235	0.0150063	-2.78955
CLIP3	-0.366092	6.642776468	-3.45121	0.0016658	0.0062463	-1.84308
POLG	-0.366517	8.359277458	-3.07174	0.0044683	0.0148573	-2.77799
TMEM8B	-0.366656	7.246374036	-4.99115	2.33E-05	0.0001509	2.302148
TMEM108	-0.366912	7.54371876	-3.21667	0.0030801	0.0106827	-2.42708
CES4A	-0.366976	8.074372712	-2.4093	0.0222612	0.0588688	-4.26174
IRF2BP2	-0.367653	9.504359973	-2.62313	0.0135102	0.0383676	-3.80682
KAT5	-0.36797	7.134281994	-4.72279	4.98E-05	0.0002915	1.55658
FZD8	-0.368105	6.898999341	-4.2056	0.0002131	0.0010393	0.138875
XPO6	-0.36832	9.112597191	-4.80326	3.97E-05	0.0002396	1.77964
NADK	-0.368493	7.699385524	-4.44113	0.0001102	0.0005869	0.780477
GMPPB	-0.368877	7.403093632	-5.59892	4.16E-06	3.43E-05	3.999835
GUK1	-0.368887	12.51895993	-4.005	0.0003716	0.001681	-0.40053
CDCP1	-0.369045	7.844878841	-5.10212	1.70E-05	0.0001145	2.61159
FTO	-0.36905	8.212553862	-3.8547	0.0005615	0.002403	-0.79949
SURF1	-0.369098	9.728688695	-2.31922	0.0273054	0.0700783	-4.44559
CD68	-0.369601	7.361907333	-2.84236	0.0079399	0.0243327	-3.31567
TTC31	-0.369651	8.957482765	-4.87246	3.26E-05	0.0002015	1.971838
PDCD7	-0.370123	11.3222446	-5.26903	1.06E-05	7.68E-05	3.077745
RPL8	-0.370437	11.61767857	-4.61957	6.67E-05	0.0003762	1.271223
RAB4B	-0.370659	7.604417219	-3.99107	0.0003861	0.0017383	-0.4377
ERCC1	-0.370846	8.554826579	-3.21734	0.0030748	0.0106679	-2.42543
UBE2Z	-0.371007	7.522153468	-8.19436	3.52E-09	1.02E-07	11.01074
NAV1	-0.371503	7.257471082	-3.43571	0.0017356	0.0064742	-1.88223
SERPINH1	-0.371752	8.62708065	-3.02542	0.0050255	0.0164148	-2.88839
CCDC102A	-0.372315	8.969347713	-2.6943	0.0113925	0.0330759	-3.64999
KIAA0141	-0.372326	8.597979133	-4.22115	0.000204	0.0010025	0.180977
FAM53C	-0.37239	10.19225452	-2.83833	0.0080193	0.0245528	-3.32492
IGSF3	-0.372566	9.246302267	-2.39722	0.0228846	0.0602626	-4.28668
CHCHD5	-0.37259	9.787838857	-2.31614	0.0274951	0.0704812	-4.4518
ABHD15	-0.372814	6.714523344	-2.67272	0.0119995	0.0346247	-3.69782
MAPT	-0.372967	6.703139317	-5.95103	1.54E-06	1.47E-05	4.981966
DENND6B	-0.373071	7.227669299	-3.68093	0.0009005	0.0036172	-1.25428
CSNK2A2	-0.373079	10.78963041	-2.65595	0.0124919	0.0358536	-3.73483
EP300	-0.373347	8.528557718	-2.47068	0.0193279	0.0521277	-4.13376
FAM127C	-0.373515	6.540927909	-4.06777	0.0003124	0.0014402	-0.23254
LRIG1	-0.373667	8.177674937	-2.33092	0.0265964	0.068485	-4.42199
FAM193A	-0.373841	8.067709128	-4.31435	0.0001573	0.0008012	0.434127
ADAD2	-0.373918	7.269628174	-3.07096	0.0044771	0.014879	-2.77985
KTI12	-0.373948	7.929144635	-4.38216	0.0001301	0.0006786	0.619107
TAGLN	-0.374015	6.89881117	-4.75482	4.55E-05	0.000269	1.645318
MDGA1	-0.374257	6.846062257	-3.40892	0.001863	0.006886	-1.94974
ENPP2	-0.37428	6.363166328	-3.88396	0.0005183	0.0022463	-0.72221
LSM4	-0.3743	10.72760022	-3.41846	0.0018166	0.0067371	-1.92574
SLC25A11	-0.374321	8.337912208	-3.04659	0.0047632	0.0156659	-2.83805
AGAP3	-0.374366	7.935772741	-7.51537	2.09E-08	4.26E-07	9.242438
ZBTB46	-0.374396	6.540492413	-3.74317	0.0007608	0.0031155	-1.09225
E2F2	-0.374531	10.31628024	-2.98025	0.005632	0.0181482	-2.99518
ARSG	-0.374581	7.277894977	-5.05918	1.92E-05	0.0001272	2.491806
LY6D	-0.374663	11.05839328	-4.20266	0.0002148	0.001047	0.13091
SUOX	-0.374709	7.206822504	-6.19391	7.79E-07	8.23E-06	5.656341
TRIM56	-0.374844	7.441577091	-2.90268	0.006838	0.0214561	-3.17652
DGCR6L	-0.374851	11.7819863	-2.89851	0.0069093	0.0216424	-3.1862
SPRYD4	-0.374956	7.736506797	-3.01073	0.0052157	0.0169503	-2.92322
DDX41	-0.375497	9.230906901	-4.24675	0.00019	0.0009445	0.250389
PDDC1	-0.375637	7.571934092	-5.59829	4.17E-06	3.43E-05	3.998062
RAF1	-0.375998	9.745353413	-4.64964	6.13E-05	0.0003488	1.354263

SMYD5	-0.376016	6.701954362	-5.35993	8.18E-06	6.13E-05	3.331814
LARGE1	-0.376085	7.247474982	-4.61784	6.70E-05	0.0003777	1.26646
HLA-DQA2	-0.376102	6.581156647	-4.84785	3.50E-05	0.0002142	1.903446
CIDEB	-0.376137	8.273348458	-3.22254	0.0030336	0.0105403	-2.41269
IFT122	-0.376329	7.423277354	-5.1876	1.33E-05	9.32E-05	2.850224
GTPBP1	-0.376478	6.471459035	-6.87967	1.17E-07	1.73E-06	7.538067
ENC1	-0.376714	7.404648299	-3.22133	0.0030432	0.0105699	-2.41568
FXR2	-0.37682	8.136399632	-2.88667	0.0071156	0.0221741	-3.21363
BCR	-0.376961	6.708807538	-6.65277	2.18E-07	2.90E-06	6.919758
CNNM4	-0.377455	6.963742619	-4.03109	0.0003457	0.0015778	-0.33078
ZFAND2B	-0.377485	9.733584526	-4.51332	9.00E-05	0.0004901	0.978603
FAM86C1	-0.377772	7.60538095	-3.67483	0.0009155	0.0036705	-1.27011
TRMT1	-0.377868	8.705328055	-3.83547	0.0005918	0.0025171	-0.85017
NEO1	-0.378041	9.498886326	-2.62492	0.0134527	0.0382211	-3.80291
PKM	-0.378113	8.732666863	-2.54027	0.0164333	0.0453353	-3.98608
FASN	-0.378199	11.55163716	-2.3786	0.023876	0.0625002	-4.32493
EIF2AK4	-0.37826	8.373512028	-2.06368	0.047704	0.1128072	-4.93985
ZMIZ1	-0.378271	10.77758874	-2.083	0.0457867	0.1089238	-4.90396
MPL	-0.378431	6.82474316	-4.0106	0.0003658	0.0016581	-0.38555
CAND2	-0.378526	7.205043496	-4.53796	8.40E-05	0.0004616	1.04636
POGK	-0.378632	10.80382688	-2.94185	0.0062014	0.0197534	-3.08528
PRAF2	-0.378816	6.509245784	-5.18981	1.33E-05	9.27E-05	2.856403
SUPT4H1	-0.378938	9.815647142	-3.80628	0.0006408	0.0026969	-0.92697
IDH3G	-0.379028	8.112545475	-5.03843	2.04E-05	0.000134	2.43393
MIGA2	-0.379186	7.823690826	-3.79772	0.000656	0.0027451	-0.94944
STARD5	-0.379482	8.956065813	-2.73102	0.010425	0.0306418	-3.56808
SLC38A10	-0.379529	6.780671739	-7.56257	1.85E-08	3.85E-07	9.367176
SLC11A2	-0.379676	10.68750443	-2.22538	0.033642	0.0838457	-4.63193
TPI1	-0.379708	12.59945539	-5.69853	3.14E-06	2.69E-05	4.278048
DSTYK	-0.3803	8.38162879	-3.12881	0.0038623	0.0130616	-2.64077
ILDR1	-0.38043	7.467309422	-3.33901	0.0022393	0.0080905	-2.1248
PKP3	-0.380518	7.178274683	-5.39339	7.44E-06	5.64E-05	3.425338
PATL1	-0.380628	9.883940173	-5.07475	1.84E-05	0.0001225	2.535218
TMEM189	-0.380671	8.999071705	-6.35066	5.03E-07	5.72E-06	6.089669
AIM1L	-0.38073	7.035917596	-5.73244	2.85E-06	2.48E-05	4.372697
MMAB	-0.380871	7.031825182	-6.26968	6.30E-07	6.90E-06	5.866017
ZMYND15	-0.380891	7.129274637	-5.3079	9.49E-06	6.97E-05	3.186363
FGF11	-0.380926	8.081617623	-4.5811	7.43E-05	0.0004142	1.16514
LMNB2	-0.381099	9.696847991	-3.97689	0.0004015	0.0017972	-0.47549
TXN2	-0.38138	6.682994511	-4.04402	0.0003336	0.001526	-0.29619
SMARCA4	-0.381991	10.63312137	-3.9208	0.0004684	0.0020552	-0.62463
CYTH2	-0.38214	7.70746978	-4.30324	0.0001622	0.0008237	0.403896
AMFR	-0.38228	7.057181927	-5.26349	1.08E-05	7.78E-05	3.062254
C21orf2	-0.382353	8.353904209	-2.40221	0.0226252	0.0596525	-4.27639
SERPINF1	-0.382496	6.916732896	-2.80106	0.0087886	0.0265479	-3.40999
SIL1	-0.382594	8.45147218	-5.40452	7.21E-06	5.50E-05	3.456474
MIR181A2HG	-0.382752	6.92522086	-2.41993	0.0217259	0.0576654	-4.23974
SPOUT1	-0.383326	9.383150123	-4.0631	0.0003164	0.0014555	-0.24506
CLDN7	-0.383338	7.13203232	-2.33907	0.0261124	0.0674761	-4.4055
PARS2	-0.383389	6.646818735	-5.06253	1.90E-05	0.0001262	2.501144
SPSB2	-0.383458	8.068693764	-3.66603	0.0009375	0.0037464	-1.29293
NSFL1C	-0.383596	10.55403459	-5.68837	3.23E-06	2.75E-05	4.249684
SRGAP1	-0.383615	6.533050406	-4.74769	4.64E-05	0.0002739	1.625555
SEMA5A	-0.383637	7.009818664	-5.34142	8.63E-06	6.43E-05	3.280076
POLM	-0.384045	7.486264694	-4.57796	7.50E-05	0.0004172	1.15648
IMP3	-0.3841	12.51694652	-5.13538	1.55E-05	0.0001058	2.704413
RSPO3	-0.384136	6.874316452	-4.78843	4.14E-05	0.0002482	1.738498
NEURL2	-0.384221	6.772234541	-4.37227	0.0001337	0.0006953	0.592091
AES	-0.384273	8.941327245	-4.92241	2.83E-05	0.0001783	2.110756

DCPS	-0.384292	7.990178584	-3.2656	0.0027127	0.0095728	-2.30682
ZNF785	-0.384292	6.509674426	-2.72868	0.0104841	0.0307876	-3.57331
LINC01278	-0.384349	8.311170434	-3.3167	0.0023741	0.0085063	-2.1803
SETDB1	-0.384555	8.517737576	-4.22846	0.0001999	0.000986	0.2008
SIRT6	-0.384613	6.575028398	-5.54879	4.79E-06	3.85E-05	3.85974
LYRM9	-0.384613	6.924979322	-4.48611	9.71E-05	0.0005245	0.903846
FBL	-0.3847	12.14331984	-3.69434	0.0008685	0.0034987	-1.21947
RHBDD1	-0.384808	7.962656929	-5.99432	1.36E-06	1.33E-05	5.102373
KAT6A	-0.384832	10.66096985	-2.26908	0.0305425	0.0771817	-4.54583
FKBP1A	-0.384905	8.937756678	-2.89314	0.0070021	0.0218801	-3.19864
H6PD	-0.385336	6.978402547	-4.38509	0.000129	0.0006741	0.627111
IRF6	-0.385392	9.32699339	-3.43374	0.0017447	0.0064983	-1.88722
SHROOM3	-0.386109	7.816607738	-2.32877	0.0267254	0.0687714	-4.42633
RUNDC1	-0.386288	8.827166083	-4.39641	0.000125	0.0006555	0.658056
SLC52A1	-0.386413	7.516823601	-3.03845	0.0048624	0.0159545	-2.85741
RERE	-0.386501	7.796443466	-7.10916	6.24E-08	1.03E-06	8.158325
HLA-DRB4	-0.386506	8.151606071	-2.77254	0.0094235	0.0281198	-3.47465
ATG13	-0.386667	6.56343752	-4.73809	4.77E-05	0.0002806	1.598969
LCMT2	-0.386718	8.562881982	-3.87996	0.000524	0.002265	-0.73279
TP53INP2	-0.386843	8.169500137	-4.84958	3.48E-05	0.0002133	1.908262
OSBP2	-0.386879	7.389717327	-3.44575	0.0016901	0.0063239	-1.85688
CYP2S1	-0.386905	7.134305429	-4.01728	0.0003592	0.0016307	-0.36772
DLG5	-0.386953	6.845178163	-3.07215	0.0044637	0.0148445	-2.77702
IRF5	-0.387013	6.97442978	-2.80034	0.0088043	0.0265868	-3.41164
LMCD1	-0.387228	7.08582355	-3.0743	0.0044393	0.0147849	-2.77187
LSR	-0.387361	6.764226743	-6.3949	4.44E-07	5.17E-06	6.211692
AP1M2	-0.387392	7.010437903	-4.12478	0.0002667	0.0012566	-0.07932
SLC41A1	-0.387403	7.270104246	-4.24451	0.0001912	0.0009494	0.244299
CRYL1	-0.387498	7.495351258	-2.33468	0.0263721	0.0679887	-4.41439
KDM6B	-0.387528	6.769841145	-3.22459	0.0030176	0.0104935	-2.40767
FAM109B	-0.387547	7.188570619	-4.94642	2.65E-05	0.0001686	2.177582
METTL13	-0.387631	9.18430199	-6.21527	7.33E-07	7.82E-06	5.715495
INPP5E	-0.388419	7.582175883	-2.32075	0.0272117	0.0698655	-4.44251
WDR54	-0.388474	8.15871828	-2.08215	0.0458696	0.1090941	-4.90555
SRF	-0.388529	10.57151775	-2.55045	0.0160452	0.044435	-3.96426
ELAVL1	-0.388723	7.412890646	-4.86813	3.30E-05	0.0002036	1.959804
NCAPH2	-0.388863	7.051628239	-4.90182	3.00E-05	0.0001879	2.053471
KEAP1	-0.38902	8.547305365	-8.32711	2.50E-09	8.00E-08	11.34963
GSTM2	-0.389123	9.190206285	-2.55333	0.0159369	0.0441668	-3.95807
TTYH1	-0.389159	6.37541086	-6.1649	8.44E-07	8.81E-06	5.57596
CECR6	-0.389229	6.478010996	-5.9297	1.63E-06	1.54E-05	4.922588
LITAF	-0.389298	11.44341829	-5.87504	1.91E-06	1.76E-05	4.770357
CORO2A	-0.389456	7.556985974	-6.7377	1.72E-07	2.39E-06	7.151736
SLC35D2	-0.389483	7.800112071	-4.28597	0.0001703	0.0008579	0.356895
PGAM5	-0.389722	7.572637192	-6.2204	7.23E-07	7.73E-06	5.729671
TMUB2	-0.390023	8.029759061	-5.16885	1.41E-05	9.76E-05	2.797885
KDM5C	-0.390433	6.5966807	-4.7893	4.13E-05	0.0002478	1.740906
IL17RE	-0.39045	6.687929379	-6.76498	1.60E-07	2.25E-06	7.226127
EPN2	-0.3911	7.760329974	-5.81389	2.26E-06	2.05E-05	4.599917
SOX8	-0.391106	7.480329437	-2.27697	0.0300116	0.0760281	-4.53017
AP2A1	-0.391148	6.778682035	-4.95988	2.55E-05	0.000163	2.215067
MSC	-0.391168	6.169999558	-4.3349	0.0001485	0.0007627	0.490104
GAS6	-0.391171	9.018042194	-5.45003	6.34E-06	4.92E-05	3.5837
CTBP1	-0.391974	8.101906127	-5.0722	1.85E-05	0.0001233	2.528117
MRPS12	-0.39198	8.510015686	-5.13891	1.53E-05	0.0001048	2.714262
TTC5	-0.392272	9.017465828	-4.10269	0.0002836	0.0013257	-0.13875
SLC29A4	-0.392736	6.884141762	-5.79403	2.40E-06	2.14E-05	4.544536
PCSK7	-0.393159	8.809771824	-3.61906	0.001064	0.004188	-1.41435
LRRC47	-0.393175	9.294464634	-6.5124	3.21E-07	3.97E-06	6.534987

TMEM63A	-0.393262	6.704399578	-3.89019	0.0005095	0.0022117	-0.70574
SPON2	-0.393377	6.876550274	-2.92608	0.0064507	0.0204202	-3.1221
AXIN1	-0.393411	7.891886505	-11.145	3.04E-12	6.55E-10	17.98096
WDR74	-0.393473	8.888096938	-3.58344	0.0011708	0.0045695	-1.50601
KRT5	-0.393621	14.00109061	-3.3646	0.0020938	0.007643	-2.06091
NOL3	-0.393955	8.704704768	-4.79078	4.11E-05	0.0002469	1.745013
CDH22	-0.394219	6.483760887	-4.84118	3.56E-05	0.0002181	1.884934
EML3	-0.394249	11.26660349	-3.9583	0.0004226	0.001879	-0.52499
CHAMP1	-0.394578	9.635510115	-4.1319	0.0002615	0.0012359	-0.06013
PMF1	-0.39465	8.197555581	-3.28143	0.0026032	0.0092297	-2.26772
GPAT3	-0.394735	7.461421979	-4.92535	2.81E-05	0.0001773	2.118938
GCN1	-0.394843	9.20627822	-3.28446	0.0025827	0.0091621	-2.26025
TUBGCP2	-0.394942	8.129009562	-5.01575	2.17E-05	0.0001418	2.370718
TMEM185A	-0.395055	8.90818531	-4.84913	3.49E-05	0.0002135	1.907028
SSR4	-0.395059	12.7715147	-3.16131	0.0035532	0.0121432	-2.56209
AOC1	-0.395083	7.169468441	-2.06185	0.0478892	0.1131486	-4.94324
SLC25A51	-0.39509	9.183690573	-2.71493	0.0108391	0.0317341	-3.60406
RCN3	-0.395111	6.483216728	-6.64671	2.21E-07	2.94E-06	6.903188
NRBP1	-0.395141	8.273306865	-4.80295	3.97E-05	0.0002398	1.778793
TMEM187	-0.395162	8.559000235	-5.13529	1.55E-05	0.0001058	2.704164
PHLDB3	-0.395205	6.627302784	-2.39897	0.0227931	0.0600544	-4.28306
PITPNM1	-0.395268	8.118687836	-2.72828	0.0104945	0.0308133	-3.57422
ESPNL	-0.395329	6.349934244	-4.7117	5.14E-05	0.0002993	1.525889
EPS8L1	-0.395405	7.19750647	-4.25266	0.0001869	0.0009314	0.266419
SPATC1L	-0.395529	7.092262736	-4.09938	0.0002862	0.001335	-0.14765
EEF1G	-0.395688	14.31478257	-4.69662	5.37E-05	0.0003104	1.484161
NOL9	-0.395784	7.04549157	-3.75732	0.0007322	0.0030159	-1.05528
GGCX	-0.395791	7.38932969	-4.37833	0.0001315	0.0006846	0.608632
HN1L	-0.395847	8.400801499	-3.28948	0.0025491	0.0090596	-2.24782
N4BP2	-0.396054	8.347251352	-2.07512	0.0465607	0.110521	-4.91864
TRAP1	-0.396254	9.085107946	-4.07104	0.0003096	0.00143	-0.22377
ZNF598	-0.396411	8.874469711	-3.74962	0.0007476	0.0030704	-1.07539
TRNP1	-0.396587	8.646659863	-2.87519	0.0073211	0.0227233	-3.24015
ZNF185	-0.396727	10.68735292	-2.81538	0.0084852	0.0257798	-3.37739
C17orf53	-0.397311	7.869191273	-3.15304	0.0036295	0.0123757	-2.58214
ANO8	-0.397319	7.814203913	-2.6445	0.0128387	0.0367349	-3.76
NMRAL1	-0.397704	10.41354003	-4.54402	8.25E-05	0.0004546	1.063019
RNF5	-0.397829	7.486483828	-4.66481	5.87E-05	0.0003363	1.396173
PAK1	-0.397849	8.497078592	-4.39761	0.0001246	0.0006536	0.661329
TMEM17	-0.397956	9.204929421	-2.92788	0.0064218	0.0203494	-3.1179
GGA2	-0.398503	9.089408651	-2.70674	0.0110556	0.0322413	-3.62231
PES1	-0.398587	7.51043615	-2.97331	0.0057311	0.018437	-3.01151
NDUFS2	-0.398836	7.181726877	-3.41221	0.0018469	0.006833	-1.94147
GLTSCR1	-0.398927	8.328501582	-3.52334	0.001375	0.0052627	-1.65985
TFAP2E	-0.399025	7.068518028	-4.74363	4.70E-05	0.0002768	1.614316
TCTA	-0.399033	8.070442524	-3.82775	0.0006044	0.0025651	-0.87051
RAB5C	-0.399636	8.915650216	-3.37401	0.0020426	0.0074814	-2.03736
FCMR	-0.399713	6.674532336	-4.35436	0.0001406	0.0007259	0.543194
ZNF671	-0.399854	6.753403212	-3.50888	0.0014291	0.0054438	-1.69672
ACER1	-0.399893	8.572976697	-2.80966	0.0086052	0.0261035	-3.39042
RIC8A	-0.399929	10.03158006	-7.00639	8.25E-08	1.30E-06	7.881214
LETM1	-0.400003	7.282660204	-4.72517	4.95E-05	0.0002898	1.563159
TCF7L2	-0.400155	7.165914573	-3.94911	0.0004334	0.0019192	-0.54944
SCAF4	-0.400231	8.594177347	-5.23984	1.15E-05	8.22E-05	2.996166
RANBP10	-0.400269	8.490636854	-3.48355	0.0015287	0.0057837	-1.76112
TNFSF12	-0.4003	6.808371832	-6.49468	3.37E-07	4.11E-06	6.486303
COG4	-0.400344	8.231543753	-3.86991	0.0005386	0.0023184	-0.75935
ZNF653	-0.400358	8.781033538	-4.76514	4.42E-05	0.0002627	1.673917
C20orf196	-0.400363	7.511549279	-2.88728	0.0071048	0.0221477	-3.21222

TLE1	-0.400505	7.685033218	-4.45127	0.0001071	0.0005724	0.808267
CA11	-0.400908	8.169578103	-2.9864	0.0055455	0.0178962	-2.98069
TUSC2	-0.400943	7.365026052	-5.19515	1.31E-05	9.16E-05	2.871313
DHRS13	-0.401014	7.075659896	-4.62957	6.48E-05	0.0003668	1.298827
CAPN11	-0.401268	6.775902235	-3.60065	0.001118	0.0043827	-1.46177
COMP	-0.401474	6.235732309	-4.01556	0.0003609	0.0016373	-0.37232
IL17RC	-0.401482	7.046930292	-6.83889	1.30E-07	1.90E-06	7.427296
SRPRA	-0.40162	9.098079633	-4.62556	6.56E-05	0.0003704	1.287768
ARF1	-0.401621	8.804324233	-8.35381	2.34E-09	7.59E-08	11.41753
BCAS3	-0.401666	6.744159477	-5.59044	4.26E-06	3.49E-05	3.976154
ENO1	-0.401702	13.64913704	-4.56598	7.76E-05	0.0004301	1.123494
RAB25	-0.401797	12.33619334	-6.72711	1.77E-07	2.45E-06	7.122842
HR	-0.401925	6.945136068	-4.86512	3.33E-05	0.0002051	1.951439
ZFP3	-0.402201	7.629939458	-4.99812	2.28E-05	0.0001484	2.321592
BAD	-0.402408	7.592933897	-4.90207	3.00E-05	0.0001878	2.054167
SSH3	-0.402412	7.843411444	-7.18739	5.05E-08	8.63E-07	8.36853
AMY1C	-0.402416	13.04732085	-2.85506	0.0076949	0.0237052	-3.28651
SLC37A1	-0.402484	7.123933319	-4.95744	2.56E-05	0.0001638	2.208277
HAVCR2	-0.402598	8.068755474	-2.61533	0.0137635	0.0389614	-3.82386
IGFBP4	-0.40288	7.27532903	-2.62722	0.0133793	0.0380627	-3.79789
GMPPA	-0.402899	7.726113346	-5.49535	5.58E-06	4.39E-05	3.710379
CDK4	-0.402974	10.1314934	-2.94305	0.0061827	0.0197037	-3.08247
ADCK5	-0.403389	7.50248606	-5.39763	7.35E-06	5.59E-05	3.437195
PARM1	-0.403758	8.083931849	-3.07604	0.0044197	0.0147282	-2.7677
DNAJB1	-0.403935	11.45681961	-2.11449	0.0428079	0.1029351	-4.84494
GCC1	-0.403937	9.076735005	-4.13654	0.0002582	0.0012228	-0.04764
SMOX	-0.404001	6.848014559	-5.5186	5.22E-06	4.14E-05	3.775381
MPI	-0.404042	6.916662547	-4.86868	3.30E-05	0.0002033	1.96133
ECM1	-0.404212	7.083528004	-3.48464	0.0015243	0.0057705	-1.75837
RPS9	-0.404262	14.32893643	-4.89048	3.10E-05	0.0001932	2.021944
DHX37	-0.404526	7.775479966	-8.15265	3.92E-09	1.09E-07	10.90379
SAPCD2	-0.404733	7.684216577	-3.71581	0.0008194	0.0033238	-1.1636
WDR46	-0.404739	9.753932579	-4.01459	0.0003618	0.0016414	-0.37492
FUT3	-0.404788	6.622144075	-4.93959	2.70E-05	0.0001714	2.158587
SYDE1	-0.405098	6.281299442	-5.64453	3.65E-06	3.07E-05	4.127243
UNC5B	-0.405164	6.697945994	-5.54101	4.90E-06	3.92E-05	3.838015
COASY	-0.405186	9.544882466	-5.96051	1.50E-06	1.43E-05	5.008327
ALDH4A1	-0.405752	8.237851905	-3.59675	0.0011297	0.0044216	-1.47179
MAPKAPK2	-0.405846	7.196919615	-6.63567	2.28E-07	3.01E-06	6.872981
TMEM219	-0.405994	8.401741347	-5.62207	3.89E-06	3.24E-05	4.064506
SNTB2	-0.406304	8.937192032	-3.83275	0.0005962	0.0025336	-0.85733
C6orf1	-0.406387	7.188245266	-5.89213	1.82E-06	1.69E-05	4.817969
GSS	-0.406666	9.333810695	-4.22637	0.0002011	0.0009898	0.195132
CCND3	-0.406791	11.46964747	-5.55124	4.76E-06	3.83E-05	3.866603
GLTSCR2	-0.407089	14.29515158	-10.1101	3.17E-11	3.05E-09	15.67107
PCSK1N	-0.407756	6.527609687	-4.51389	8.98E-05	0.0004897	0.980158
SBSN	-0.407966	14.27043759	-2.92786	0.006422	0.0203494	-3.11795
KIF1C	-0.408046	7.916614628	-2.82468	0.0082935	0.0252685	-3.35616
ASXL1	-0.408241	8.278389865	-5.60956	4.03E-06	3.34E-05	4.029568
RAB11FIP3	-0.408276	9.211926621	-4.64482	6.21E-05	0.0003529	1.340961
EIF4ENIF1	-0.40835	8.914658637	-6.32104	5.46E-07	6.13E-06	6.007927
TMED3	-0.40835	13.51825186	-5.93533	1.61E-06	1.52E-05	4.938272
ARL2	-0.408364	11.28725187	-4.10389	0.0002826	0.0013222	-0.13552
AP2B1	-0.408465	7.62786837	-4.10236	0.0002838	0.0013263	-0.13963
SEC14L2	-0.408588	6.734911898	-4.9428	2.67E-05	0.0001701	2.167508
DEDD2	-0.408895	10.55722862	-2.48847	0.0185462	0.0502707	-4.09625
LRFN4	-0.408901	7.082585339	-3.86727	0.0005425	0.00233	-0.7663
AAMP	-0.409226	8.5581386	-5.31675	9.25E-06	6.83E-05	3.211097
SMARCD1	-0.409271	8.183991065	-7.34892	3.27E-08	6.07E-07	8.80044

CABLES2	-0.409441	7.011740787	-5.89284	1.81E-06	1.69E-05	4.819948
OR11L1	-0.409554	6.94082412	-6.34359	5.13E-07	5.82E-06	6.070181
GABARAPL1	-0.4098	8.77995422	-3.06608	0.0045331	0.015029	-2.79153
HEBP1	-0.409863	10.13609769	-5.34672	8.50E-06	6.34E-05	3.29489
AKT2	-0.410065	6.630725931	-4.69744	5.35E-05	0.0003098	1.486404
RHOV	-0.410101	7.871230325	-3.77193	0.0007037	0.0029126	-1.01704
TMEM184B	-0.410216	8.09026891	-4.95847	2.56E-05	0.0001634	2.211138
PLEKHN1	-0.410476	8.717430572	-2.81491	0.008495	0.0258055	-3.37846
ANKRD35	-0.410672	9.41730058	-2.50081	0.0180215	0.0490609	-4.07014
PIM2	-0.410726	7.950742188	-3.22754	0.0029946	0.0104215	-2.40043
FSTL3	-0.41097	7.048273936	-4.35986	0.0001385	0.0007168	0.558209
SNX21	-0.411014	7.720822401	-4.87318	3.26E-05	0.0002011	1.973851
SLC39A2	-0.411655	10.10166981	-3.96161	0.0004187	0.0018632	-0.5162
C8orf33	-0.411667	9.415279455	-4.50382	9.24E-05	0.0005015	0.952484
HDGF	-0.411745	10.48475221	-4.90034	3.01E-05	0.0001885	2.049379
AP2A2	-0.411902	7.167571502	-5.63672	3.74E-06	3.12E-05	4.105425
DDX28	-0.411941	7.799799735	-4.79881	4.02E-05	0.000242	1.767312
LINGO1	-0.411971	6.349453994	-5.53152	5.03E-06	4.01E-05	3.811485
ABHD12	-0.412639	8.549663152	-4.14728	0.0002506	0.0011912	-0.01867
ISOC2	-0.413062	8.942210916	-2.55738	0.0157857	0.0437851	-3.94936
PIM3	-0.41314	7.845856675	-2.75947	0.0097287	0.0288927	-3.50416
GABARAP	-0.413277	7.924930481	-3.74412	0.0007589	0.0031099	-1.08976
ARMC6	-0.413451	7.604121858	-3.75397	0.0007388	0.0030402	-1.06402
UBA1	-0.413517	8.651410565	-7.54257	1.95E-08	4.02E-07	9.314349
PSTPIP1	-0.413525	6.417177105	-3.99927	0.0003775	0.001703	-0.41581
RYBP	-0.413688	10.11741697	-3.34449	0.0022074	0.0080003	-2.11114
CYB5R1	-0.413786	11.65882861	-3.74137	0.0007646	0.0031281	-1.09696
CTDP1	-0.413887	7.130149412	-6.65694	2.15E-07	2.87E-06	6.931159
PTPA	-0.414238	7.507484005	-7.60479	1.65E-08	3.52E-07	9.47855
ZNF324B	-0.414321	6.594487249	-4.92414	2.82E-05	0.0001777	2.115566
KHSRP	-0.414475	9.545537193	-4.39941	0.0001239	0.0006514	0.666253
CAMTA2	-0.414486	6.582577729	-5.50919	5.36E-06	4.24E-05	3.749077
TPPP	-0.414616	7.100062876	-2.78441	0.0091542	0.0274427	-3.44778
OXCT2	-0.414955	6.949207261	-5.10553	1.68E-05	0.0001135	2.621116
FUS	-0.41511	7.38675417	-4.78505	4.18E-05	0.0002504	1.72912
SLC29A3	-0.415528	6.597502684	-4.39279	0.0001263	0.0006613	0.648163
C3orf70	-0.41555	6.522718514	-6.61761	2.40E-07	3.13E-06	6.823541
ADM5	-0.415558	7.484399308	-3.99479	0.0003822	0.0017222	-0.42777
TSPAN4	-0.415607	7.172782522	-4.39116	0.0001268	0.0006641	0.643715
LIN37	-0.415766	7.054151605	-3.47413	0.0015675	0.005912	-1.78504
SPIN1	-0.415839	8.428180142	-2.68081	0.0117686	0.0340748	-3.67992
FAM160B2	-0.41585	7.467037299	-3.46383	0.0016109	0.0060617	-1.81113
RORC	-0.415854	7.188503914	-7.60855	1.63E-08	3.49E-07	9.488451
RHOT2	-0.415879	9.243537298	-3.95099	0.0004311	0.001911	-0.54443
PDIA4	-0.4162	7.011341042	-5.40105	7.28E-06	5.54E-05	3.446774
LRRC45	-0.416318	7.276651453	-5.29431	9.86E-06	7.20E-05	3.148397
IPP	-0.416569	7.437332841	-3.30498	0.002448	0.0087391	-2.20942
N4BP1	-0.416583	7.702510342	-6.09155	1.04E-06	1.05E-05	5.372526
DNAJB2	-0.416942	9.490348567	-7.65622	1.44E-08	3.16E-07	9.613926
PAQR4	-0.417206	10.01666969	-3.73986	0.0007677	0.003139	-1.10089
TSPO	-0.417206	13.35086332	-7.53995	1.96E-08	4.03E-07	9.30743
RNASEH1	-0.417403	9.747383521	-5.25504	1.10E-05	7.94E-05	3.038638
PBXIP1	-0.417484	6.789005068	-6.05041	1.16E-06	1.16E-05	5.25827
ICMT	-0.41779	9.820754318	-4.40867	0.0001208	0.0006373	0.691579
MAF	-0.418151	9.388747475	-3.70066	0.0008538	0.0034472	-1.20303
CUTA	-0.418254	9.785314475	-4.88916	3.11E-05	0.0001938	2.018264
SEMA4B	-0.418352	8.58770643	-6.2226	7.19E-07	7.70E-06	5.735777
CERS2	-0.418433	7.740405923	-3.62934	0.001035	0.0040845	-1.38781
PXMP4	-0.418602	8.086328845	-3.82409	0.0006104	0.0025869	-0.88014

CHTF18	-0.418646	7.389079895	-3.31695	0.0023726	0.0085038	-2.1797
SMARCB1	-0.41881	8.656160092	-3.11854	0.0039652	0.0133728	-2.66557
BBS1	-0.419006	8.386051116	-4.39901	0.0001241	0.0006517	0.665179
DDB1	-0.419413	8.782193323	-5.56424	4.59E-06	3.71E-05	3.902926
MAMSTR	-0.41951	6.85867461	-5.39159	7.48E-06	5.67E-05	3.420309
WWC3	-0.419518	8.30767465	-4.2937	0.0001666	0.0008422	0.377921
FAM20C	-0.41965	7.598779259	-7.04666	7.39E-08	1.18E-06	7.989927
LAPTM5	-0.420095	8.078421145	-2.33819	0.0261643	0.0675607	-4.40728
S100A16	-0.420218	12.51003992	-4.75795	4.51E-05	0.0002672	1.654
BEST1	-0.420534	6.292436381	-5.22465	1.20E-05	8.54E-05	2.953722
OTUB2	-0.420582	7.477144186	-3.12812	0.0038691	0.0130802	-2.64244
WNT2B	-0.420609	7.422464377	-6.09775	1.02E-06	1.03E-05	5.389726
CAPG	-0.420725	8.215110287	-3.14391	0.0037156	0.0126296	-2.60428
PARD6G	-0.420729	8.091491132	-9.66228	9.14E-11	6.45E-09	14.62647
CNPY3	-0.420928	7.0393087	-5.00338	2.25E-05	0.0001464	2.336235
CTU1	-0.420934	7.313085843	-5.16636	1.42E-05	9.83E-05	2.790917
PLD3	-0.420953	7.548617391	-7.92387	7.11E-09	1.79E-07	10.31318
TTC7A	-0.420958	6.853749145	-5.34299	8.59E-06	6.40E-05	3.284452
PLA2G3	-0.420992	10.15454023	-2.24026	0.0325558	0.0814554	-4.60274
ACTR1B	-0.421222	9.684108109	-5.30128	9.67E-06	7.08E-05	3.167866
SLC25A37	-0.421232	8.150736118	-2.9707	0.0057687	0.0185396	-3.01764
TUBA1C	-0.421232	13.06019567	-4.80571	3.94E-05	0.0002383	1.786446
KIF13B	-0.421805	9.280674082	-2.08608	0.0454875	0.108357	-4.89822
UBQLN4	-0.421885	10.49150637	-4.39972	0.0001238	0.0006512	0.667098
SLC25A42	-0.422003	7.565703552	-6.69263	1.95E-07	2.64E-06	7.028719
NECTIN1	-0.422374	7.403957748	-7.18076	5.14E-08	8.74E-07	8.35075
VILL	-0.422609	6.867004508	-4.60746	6.90E-05	0.0003879	1.237821
CD63	-0.422619	8.383652688	-2.59795	0.0143432	0.0403027	-3.86169
YTHDF1	-0.422848	9.890080727	-5.72039	2.95E-06	2.55E-05	4.33907
BTD	-0.423012	7.714663038	-4.13314	0.0002606	0.0012326	-0.0568
ERMP1	-0.423022	8.230684805	-3.50688	0.0014367	0.0054697	-1.70181
C9orf142	-0.423095	10.74164389	-3.86141	0.0005513	0.0023624	-0.78179
GYPC	-0.423338	6.571247617	-3.87302	0.000534	0.0023017	-0.75112
COL5A1	-0.423475	7.598103838	-3.05215	0.0046964	0.0154884	-2.82479
POLD1	-0.423564	8.169326926	-3.85485	0.0005612	0.0024025	-0.7991
TARS2	-0.42394	7.124240759	-6.65865	2.14E-07	2.87E-06	6.935854
TRAFD1	-0.424165	9.70668043	-4.93117	2.76E-05	0.0001748	2.135154
BCAT2	-0.424231	9.317346933	-3.24054	0.0028953	0.0101177	-2.36851
CMTM7	-0.424401	7.440338404	-3.91966	0.0004699	0.0020612	-0.62764
MAP4K2	-0.424965	9.656800241	-5.66452	3.45E-06	2.91E-05	4.183079
C12orf49	-0.425016	7.398466611	-6.18345	8.02E-07	8.44E-06	5.627371
LYN	-0.425494	8.424630198	-2.69922	0.0112581	0.0327433	-3.63905
NIPAL4	-0.425525	8.28995219	-5.37901	7.75E-06	5.85E-05	3.385135
PLCD3	-0.425759	6.847545216	-3.94439	0.0004391	0.0019394	-0.562
HOMER3	-0.425857	7.703075797	-3.34175	0.0022233	0.0080401	-2.11797
PAOX	-0.425858	7.406312933	-6.56412	2.78E-07	3.56E-06	6.676959
3-Sep	-0.425917	6.334312011	-5.68867	3.23E-06	2.75E-05	4.250509
MYH9	-0.426096	12.30851657	-5.15974	1.44E-05	9.99E-05	2.772419
ATP9A	-0.426395	8.183326496	-7.04089	7.51E-08	1.20E-06	7.974367
GPX3	-0.426409	8.127856483	-2.24197	0.0324333	0.0812192	-4.59938
DNAJC14	-0.426924	8.305824571	-8.17456	3.70E-09	1.05E-07	10.96001
SOD3	-0.427031	6.266605299	-4.62361	6.59E-05	0.0003722	1.282386
SMARCC2	-0.427167	7.659589913	-5.29218	9.92E-06	7.24E-05	3.142437
ZNF600	-0.427643	6.883328832	-2.78561	0.0091275	0.0273882	-3.44508
RXRβ	-0.427672	8.769268394	-5.19011	1.33E-05	9.27E-05	2.857236
MAPK7	-0.427676	7.242255665	-7.34852	3.27E-08	6.07E-07	8.799377
DAP	-0.427845	8.803402149	-5.1013	1.70E-05	0.0001147	2.609305
RNF135	-0.428112	8.001197017	-6.3473	5.07E-07	5.76E-06	6.080404
TGFB111	-0.428201	6.691902921	-6.3321	5.29E-07	5.98E-06	6.038463

SLC22A17	-0.428506	7.060578993	-5.64586	3.64E-06	3.06E-05	4.130961
PFKFB3	-0.428669	9.120617772	-2.70606	0.0110739	0.0322849	-3.62383
RFXANK	-0.428826	8.367749915	-3.76247	0.000722	0.0029777	-1.0418
ELOVL1	-0.429322	9.289499776	-3.99209	0.000385	0.0017342	-0.43497
DUS1L	-0.430321	8.151405049	-4.98027	2.40E-05	0.000155	2.271859
TSSK3	-0.430499	6.981825294	-5.20533	1.27E-05	8.93E-05	2.899768
MBP	-0.43052	9.01851596	-4.73947	4.75E-05	0.0002798	1.602779
RBCK1	-0.430771	7.991902125	-4.64826	6.15E-05	0.0003499	1.350439
PPRC1	-0.430876	9.805521945	-2.04551	0.0495715	0.1165982	-4.97337
GRB7	-0.430887	7.326691495	-4.19299	0.0002207	0.0010713	0.104768
UBAC1	-0.431313	12.06227618	-5.63688	3.73E-06	3.12E-05	4.105876
GRK6	-0.431655	7.424501035	-3.80481	0.0006434	0.0027063	-0.93083
WARS	-0.431745	9.206818033	-4.6728	5.74E-05	0.0003299	1.418257
PPP2R5D	-0.431817	7.574707873	-7.78111	1.03E-08	2.42E-07	9.941297
TAF10	-0.431896	10.25885193	-3.73383	0.0007804	0.0031852	-1.11663
ADCK1	-0.432574	7.65417363	-4.80225	3.98E-05	0.0002399	1.776843
TMEM19	-0.43259	7.047881397	-3.04825	0.0047431	0.0156154	-2.83409
COPG1	-0.432693	9.125282927	-4.48317	9.80E-05	0.0005282	0.895759
DDRKG1	-0.43302	9.982656652	-6.50046	3.31E-07	4.06E-06	6.502179
MRPL12	-0.433097	9.866690329	-3.04154	0.0048245	0.0158409	-2.85007
INF2	-0.433253	8.220695893	-7.7807	1.04E-08	2.42E-07	9.940239
PANX2	-0.433706	6.452209327	-4.63351	6.41E-05	0.0003635	1.309709
DEDD	-0.433741	8.400169329	-6.44403	3.88E-07	4.62E-06	6.346997
POLD4	-0.433952	8.192118498	-4.55514	8.00E-05	0.000442	1.093644
OVOL1	-0.434037	7.527236479	-3.39994	0.0019077	0.0070378	-1.97232
CGN	-0.434043	9.433710305	-2.19828	0.0357025	0.0882556	-4.68471
TBCD	-0.434171	8.199332141	-5.73749	2.81E-06	2.45E-05	4.386785
SEC61A1	-0.434561	10.34444591	-6.24644	6.72E-07	7.31E-06	5.801727
RAB3D	-0.434879	7.009424795	-6.81658	1.39E-07	1.99E-06	7.366611
AKR1B1	-0.43489	8.625227645	-2.58613	0.0147504	0.041333	-3.88732
ALDH3B2	-0.434965	9.831269404	-4.76745	4.39E-05	0.000261	1.680316
SMARCD3	-0.435287	6.975724316	-4.33608	0.000148	0.0007604	0.493323
TPRG1L	-0.435352	12.0582828	-5.3017	9.65E-06	7.07E-05	3.169054
SH3RF2	-0.435388	9.696775049	-3.87569	0.0005301	0.0022875	-0.74407
PEF1	-0.435936	10.21090479	-5.05408	1.95E-05	0.000129	2.47757
XRCC2	-0.435972	7.884888708	-3.24623	0.0028529	0.0100001	-2.35454
ADAT1	-0.436103	8.247757722	-5.99466	1.36E-06	1.33E-05	5.103315
POLD2	-0.436338	12.46275225	-4.08006	0.0003019	0.0013983	-0.19954
HOXC13	-0.436371	8.422101393	-5.23893	1.15E-05	8.24E-05	2.993636
BRMS1	-0.436891	8.609697337	-3.03765	0.0048723	0.0159761	-2.85932
UBXN1	-0.436901	11.51981932	-6.17042	8.31E-07	8.72E-06	5.591255
MRPL49	-0.436936	8.6735066	-4.81133	3.88E-05	0.0002352	1.80204
GPLD1	-0.436958	6.907047026	-2.33234	0.0265115	0.0683026	-4.41912
ATP13A1	-0.437007	8.118129207	-4.69934	5.32E-05	0.0003084	1.491666
GMDS	-0.437183	9.606549255	-2.78244	0.0091985	0.0275417	-3.45226
ATP6V0B	-0.437223	10.0094336	-3.98443	0.0003932	0.0017671	-0.4554
NOMO1	-0.437313	8.400064422	-4.93124	2.76E-05	0.0001748	2.135348
FAM3D	-0.437319	7.011384127	-2.56707	0.0154296	0.0429449	-3.92851
TBC1D22B	-0.437472	8.449706264	-5.79528	2.39E-06	2.14E-05	4.548026
BTG1	-0.437799	13.31971837	-3.98624	0.0003913	0.0017596	-0.45058
GNB1L	-0.437943	7.742625479	-2.40394	0.0225357	0.059457	-4.27281
SIGLEC10	-0.438454	6.810837134	-3.0205	0.0050884	0.0165867	-2.90006
SDHAF1	-0.438462	7.988829706	-5.77488	2.53E-06	2.24E-05	4.49114
VEGFB	-0.438933	8.146782368	-7.0967	6.45E-08	1.06E-06	8.124798
NOXA1	-0.439381	7.32940416	-3.4516	0.0016641	0.0062411	-1.84209
THRA	-0.439565	6.922023766	-5.85063	2.04E-06	1.87E-05	4.702333
SLC46A2	-0.439754	8.022855929	-2.62629	0.0134088	0.0381231	-3.79991
FKBP8	-0.439779	7.00372302	-4.20117	0.0002157	0.0010506	0.126884
KLHL28	-0.439843	9.078265962	-2.71076	0.0109488	0.0319867	-3.61335

ITGB4	-0.439964	7.569141658	-4.60725	6.91E-05	0.000388	1.237243
THAP11	-0.44017	10.97656437	-7.14892	5.60E-08	9.43E-07	8.265235
KYAT1	-0.440206	7.754739501	-4.02468	0.0003519	0.0016022	-0.34794
PLOD1	-0.440385	9.93587595	-6.40178	4.36E-07	5.09E-06	6.230651
MAVS	-0.44134	6.591248431	-5.35011	8.42E-06	6.29E-05	3.304349
ALG1	-0.441713	6.940420615	-4.68407	5.56E-05	0.000321	1.449436
LRRRC75B	-0.441783	7.408277353	-4.24402	0.0001914	0.0009502	0.242984
COG1	-0.44183	7.615133449	-5.85947	1.99E-06	1.83E-05	4.726988
SERPINB6	-0.441923	10.91632127	-2.4154	0.0219527	0.058148	-4.24913
EPHX2	-0.442024	9.347485065	-2.7836	0.0091724	0.0274808	-3.44963
ZBTB17	-0.44221	8.176914589	-5.01644	2.17E-05	0.0001416	2.372637
C2CD2L	-0.442673	7.076782852	-4.64995	6.12E-05	0.0003486	1.355111
CRTC1	-0.44274	6.351108786	-5.93946	1.59E-06	1.51E-05	4.949769
GPS1	-0.442769	8.603601026	-5.70215	3.11E-06	2.66E-05	4.288145
PTDSS1	-0.442788	10.87016251	-5.94742	1.55E-06	1.48E-05	4.971898
CDKN1A	-0.443226	10.07494405	-2.17952	0.0371944	0.0913849	-4.72097
ABCB9	-0.443317	6.925628562	-6.36867	4.78E-07	5.47E-06	6.139353
PAK4	-0.443364	7.123590177	-8.98085	4.81E-10	2.22E-08	12.98435
PHB	-0.443476	10.53868204	-4.84139	3.56E-05	0.000218	1.885518
ZBTB4	-0.443838	10.0798785	-5.52138	5.18E-06	4.12E-05	3.783147
JAG2	-0.443866	8.330682599	-3.3894	0.0019615	0.007221	-1.99878
CIB2	-0.443962	7.129567987	-2.80726	0.008656	0.0262206	-3.39588
RNF5P1	-0.443984	8.179948214	-2.98227	0.0056034	0.0180621	-2.99041
CD320	-0.444077	7.075440526	-3.14686	0.0036876	0.0125386	-2.59713
NIPAL1	-0.444112	9.158013315	-2.59883	0.0143131	0.0402415	-3.85976
PPP1R26	-0.444446	6.606155237	-5.19262	1.32E-05	9.22E-05	2.864245
TANGO2	-0.445102	7.934897635	-4.27045	0.0001778	0.000892	0.314722
CTSH	-0.445394	8.671991959	-2.4507	0.0202414	0.054222	-4.17565
SLC25A44	-0.4454	9.307174443	-3.98254	0.0003953	0.0017748	-0.46045
SAMD10	-0.445637	6.720306995	-5.4778	5.86E-06	4.59E-05	3.661331
HSD11B1L	-0.445713	7.901614459	-4.33919	0.0001467	0.0007544	0.501822
G6PD	-0.445837	7.775904315	-5.67938	3.31E-06	2.81E-05	4.224577
TAPBP	-0.445953	7.945537319	-6.35326	4.99E-07	5.68E-06	6.096856
ZNF696	-0.446094	7.731872493	-5.93449	1.61E-06	1.52E-05	4.935917
DVL2	-0.446175	8.594046006	-6.34196	5.15E-07	5.84E-06	6.065679
PTPRU	-0.446189	6.621708455	-5.96687	1.47E-06	1.41E-05	5.026028
PFN1	-0.446305	12.69813357	-4.91034	2.93E-05	0.000184	2.077174
CD4	-0.44643	6.584151878	-4.00669	0.0003698	0.001674	-0.39601
PTPN1	-0.446493	10.20038248	-6.30478	5.71E-07	6.38E-06	5.963011
C19orf70	-0.446561	11.17147061	-2.88299	0.0071808	0.0223414	-3.22213
TMEM203	-0.447135	10.73522944	-7.05835	7.16E-08	1.15E-06	8.021467
HMGA1	-0.447239	7.687665	-7.41223	2.76E-08	5.28E-07	8.968921
MAP2K7	-0.447364	6.980739871	-4.72875	4.90E-05	0.0002872	1.573072
APOPT1	-0.447404	8.641200752	-2.88752	0.0071005	0.0221413	-3.21165
TBCC	-0.447405	9.057605047	-4.78302	4.20E-05	0.0002517	1.723485
ANXA9	-0.44756	8.412311597	-2.07964	0.0461154	0.1096072	-4.91023
NOL6	-0.447872	8.561207234	-7.81225	9.53E-09	2.27E-07	10.02265
RANBP3	-0.447886	7.824132884	-8.53893	1.46E-09	5.25E-08	11.88558
RCE1	-0.447906	7.844289669	-5.63497	3.75E-06	3.14E-05	4.100555
SGSM3	-0.447961	7.712112173	-5.19985	1.29E-05	9.06E-05	2.884462
NEK8	-0.447986	7.129731937	-4.2264	0.0002011	0.0009898	0.195213
GSTZ1	-0.448157	8.916796205	-3.13076	0.0038431	0.0130013	-2.63608
METRNL	-0.448207	8.479018757	-3.55839	0.0012521	0.0048466	-1.57026
FTH1	-0.448899	8.410381088	-2.98006	0.0056346	0.0181536	-2.99561
BYSL	-0.448988	9.016033676	-4.12485	0.0002667	0.0012566	-0.07914
ZNF205	-0.448997	6.976596217	-5.49224	5.62E-06	4.43E-05	3.701675
TMEM173	-0.449038	7.5546715	-2.81375	0.0085192	0.0258669	-3.3811
BRF2	-0.449131	9.181455634	-4.9795	2.41E-05	0.0001553	2.269703
PIM1	-0.449272	11.26211651	-3.01365	0.0051773	0.0168395	-2.91629

TXNIP	-0.449472	11.179906	-3.1754	0.0034266	0.0117415	-2.52783
CDK12	-0.449506	7.885492113	-3.96728	0.0004123	0.0018382	-0.50111
CRLF1	-0.449536	7.810908792	-2.57035	0.0153106	0.042681	-3.92143
MDC1	-0.449587	8.490605629	-5.80188	2.34E-06	2.11E-05	4.566434
ZNF573	-0.449653	8.436764846	-2.83833	0.0080194	0.0245528	-3.32492
BRE	-0.44999	8.285780456	-4.8753	3.24E-05	0.0002003	1.979744
KLF11	-0.450123	8.904683905	-3.15178	0.0036413	0.0124059	-2.58521
SEPN1	-0.450123	7.419646623	-6.92122	1.04E-07	1.57E-06	7.650741
TMEM161A	-0.450216	7.070299683	-5.48079	5.81E-06	4.56E-05	3.669694
FAHD2B	-0.450255	9.372823862	-3.1027	0.0041291	0.0138769	-2.70371
EFEMP2	-0.450348	7.20384234	-3.84633	0.0005745	0.0024527	-0.82157
SPSB3	-0.450422	11.40704467	-6.42701	4.06E-07	4.80E-06	6.300144
AP1G2	-0.450569	9.010657403	-4.87776	3.21E-05	0.0001992	1.986579
PRCC	-0.450611	7.387954416	-7.74164	1.15E-08	2.63E-07	9.838054
DAGLB	-0.450634	8.980135131	-4.42278	0.0001161	0.0006149	0.730219
SSH2	-0.450662	7.853554435	-4.37194	0.0001339	0.0006958	0.59119
MTX1	-0.450832	8.676916669	-3.8911	0.0005082	0.0022077	-0.70332
LURAP1	-0.451101	6.64598985	-5.53374	5.00E-06	3.99E-05	3.81768
SH3BP2	-0.451877	7.077868967	-3.46875	0.0015901	0.0059913	-1.79868
PER1	-0.451946	6.935700478	-2.4272	0.0213661	0.056834	-4.22463
TMEM51	-0.45207	9.824368912	-3.71468	0.000822	0.003332	-1.16655
ZDHHC1	-0.452102	9.090538377	-3.08969	0.0042686	0.0142888	-2.73498
APEH	-0.452299	10.31870881	-4.42366	0.0001158	0.0006137	0.732615
DVL3	-0.45275	8.968023217	-5.12586	1.59E-05	0.0001082	2.677844
SYK	-0.452786	9.224633952	-3.86368	0.0005478	0.0023494	-0.7758
NUBPL	-0.452881	9.743712818	-2.08437	0.0456535	0.1086734	-4.90141
GPS2	-0.45312	9.109811159	-3.47502	0.0015638	0.0058991	-1.78277
MTMR14	-0.453305	8.467098981	-7.19843	4.90E-08	8.44E-07	8.398154
TMED1	-0.453537	8.750143768	-4.17934	0.0002292	0.0011058	0.067869
ANO10	-0.453917	8.209968404	-4.23628	0.0001956	0.0009682	0.221985
ZNF394	-0.45404	9.014246176	-3.74503	0.000757	0.0031044	-1.08739
C1orf216	-0.454098	7.626144802	-5.33934	8.68E-06	6.45E-05	3.27426
ABTB2	-0.454488	6.862219103	-5.40227	7.26E-06	5.53E-05	3.450174
NUP62	-0.454708	9.06255252	-7.95387	6.57E-09	1.66E-07	10.39101
U2AF2	-0.454764	8.673704583	-8.93905	5.33E-10	2.38E-08	12.88156
HES2	-0.454862	9.453816684	-4.72045	5.02E-05	0.000293	1.550107
RPUSD3	-0.455559	9.713594738	-5.41876	6.93E-06	5.31E-05	3.496279
TOP3A	-0.455568	7.757740629	-5.29876	9.74E-06	7.12E-05	3.160827
MED15	-0.455819	7.044593571	-7.23323	4.46E-08	7.80E-07	8.4914
AQP3	-0.455844	8.271500415	-3.33975	0.002235	0.0080779	-2.12296
DUOX1	-0.455854	8.037823653	-3.95547	0.0004259	0.0018906	-0.53252
ALDH18A1	-0.455871	9.428421868	-5.08063	1.81E-05	0.0001208	2.551635
WDR34	-0.456057	8.112648679	-3.33621	0.0022558	0.0081395	-2.13177
SSH1	-0.456092	7.282959286	-4.17222	0.0002338	0.0011251	0.048633
EVA1C	-0.456111	8.489375021	-3.20933	0.0031392	0.0108639	-2.44505
LAGE3	-0.456149	10.73738169	-3.18032	0.0033834	0.0116183	-2.51586
MAD2L2	-0.456623	10.17232298	-3.78707	0.0006752	0.0028082	-0.97737
RRNAD1	-0.456774	8.881018001	-5.31903	9.19E-06	6.79E-05	3.217493
ACAP1	-0.457187	7.314583212	-3.10252	0.0041311	0.0138811	-2.70416
SLC35A2	-0.457198	7.500382093	-7.2723	4.01E-08	7.17E-07	8.595932
DGAT2	-0.457235	7.978188163	-3.35316	0.0021577	0.0078438	-2.0895
PIGZ	-0.457319	6.97643245	-3.83405	0.0005941	0.0025252	-0.85392
QARS	-0.458073	13.25095663	-6.24746	6.70E-07	7.29E-06	5.804567
ENG	-0.458205	6.865000726	-3.8106	0.0006333	0.0026682	-0.91562
CCDC149	-0.458271	6.390185702	-3.88195	0.0005211	0.0022557	-0.72753
RNF43	-0.458271	7.573232522	-4.36604	0.0001361	0.0007061	0.575065
TST	-0.458309	11.68559326	-4.7268	4.93E-05	0.0002886	1.567686
ITGB2	-0.458388	9.248385754	-2.27103	0.0304107	0.0768887	-4.54197
FOXO3B	-0.45851	9.393563481	-2.76398	0.0096224	0.0286308	-3.49399

NDUFB11	-0.458623	12.17429381	-3.25491	0.0027892	0.0097999	-2.33316
KCTD20	-0.458679	10.04649737	-5.3101	9.43E-06	6.94E-05	3.19253
EMP3	-0.458684	9.974362092	-2.27471	0.0301625	0.0763507	-4.53465
C14orf169	-0.45892	8.04550439	-4.83386	3.64E-05	0.0002219	1.864599
BAIAP2	-0.458953	8.086189881	-6.09187	1.04E-06	1.05E-05	5.373394
FRAT1	-0.459032	6.712776265	-5.8057	2.32E-06	2.09E-05	4.577091
LFNG	-0.45927	8.099545436	-4.36766	0.0001355	0.0007031	0.579511
HLA-DMA	-0.459449	10.39598108	-2.61763	0.0136884	0.0387846	-3.81884
C19orf25	-0.459611	7.574576819	-5.28152	1.02E-05	7.44E-05	3.112634
HGS	-0.459765	11.29418807	-4.50894	9.11E-05	0.0004952	0.966558
SF3B3	-0.459795	10.48449176	-3.93901	0.0004456	0.0019656	-0.57628
HDAC5	-0.459819	7.015544803	-7.55057	1.91E-08	3.95E-07	9.335487
FAM134C	-0.459901	7.175516098	-6.18051	8.08E-07	8.50E-06	5.619223
PSAP	-0.460376	12.7503142	-4.45817	0.0001051	0.0005627	0.827183
EPDR1	-0.46048	7.697828303	-2.28601	0.0294129	0.0747455	-4.51216
R3HCC1	-0.460534	9.160314793	-4.49508	9.47E-05	0.0005123	0.92847
CSRP1	-0.460666	10.43597674	-3.04554	0.0047759	0.0156997	-2.84055
PHGDH	-0.461103	13.62276923	-3.81884	0.0006192	0.0026197	-0.89395
PLP2	-0.461299	9.965306001	-3.79907	0.0006535	0.0027396	-0.94588
VWA1	-0.461773	6.923438715	-7.49025	2.24E-08	4.49E-07	9.175938
ZSCAN18	-0.461833	10.19715758	-4.07287	0.000308	0.0014234	-0.21886
FXVD5	-0.462052	8.096605417	-3.56768	0.0012213	0.0047475	-1.54646
CCDC85B	-0.462106	6.731884913	-4.24853	0.000189	0.0009408	0.255199
ACADS	-0.462391	7.056169773	-3.68667	0.0008867	0.0035653	-1.23939
ARSA	-0.462441	7.00022797	-3.01741	0.0051283	0.0166999	-2.90738
TBRG4	-0.462707	8.208310387	-6.97966	8.87E-08	1.38E-06	7.808967
TMEM129	-0.462709	7.027404337	-5.17796	1.37E-05	9.54E-05	2.823321
MSRB1	-0.462883	10.62366936	-5.29549	9.83E-06	7.18E-05	3.151688
TADA3	-0.463156	7.218908851	-5.95047	1.54E-06	1.47E-05	4.980395
GSN	-0.463191	8.291621251	-5.63936	3.71E-06	3.10E-05	4.112821
DLGAP4	-0.463361	7.114837737	-8.27171	2.88E-09	8.87E-08	11.2085
LOC407835	-0.463469	7.896507401	-6.97346	9.02E-08	1.40E-06	7.792185
CHERP	-0.463498	7.513009408	-7.06535	7.03E-08	1.13E-06	8.040336
OTUD5	-0.463764	7.280521316	-5.79271	2.40E-06	2.15E-05	4.540851
TNFAIP1	-0.463781	9.324528337	-7.13585	5.80E-08	9.71E-07	8.230129
CTSZ	-0.463787	7.490847778	-2.61906	0.0136417	0.0386901	-3.81571
SYMPK	-0.463954	7.732886156	-3.78041	0.0006876	0.0028535	-0.99483
HLA-H	-0.464257	11.04908885	-2.77752	0.0093097	0.0278188	-3.46339
HIC2	-0.464372	7.405114484	-2.89421	0.0069835	0.0218418	-3.19616
QTRT1	-0.46443	7.228294474	-3.52493	0.0013692	0.0052415	-1.65582
PTRF	-0.464538	11.88629126	-3.87095	0.000537	0.0023128	-0.75659
PPP3R1	-0.464669	10.56194019	-3.61937	0.0010631	0.0041854	-1.41356
QPCTL	-0.464852	6.566974688	-5.92073	1.68E-06	1.58E-05	4.897625
IRF3	-0.464979	8.499937398	-4.81957	3.79E-05	0.0002302	1.824931
HSF1	-0.465247	6.896950971	-5.49727	5.54E-06	4.37E-05	3.715746
PRKAB1	-0.465341	8.471570062	-3.87711	0.0005281	0.0022807	-0.7403
TMEM259	-0.465812	8.803993632	-5.44129	6.50E-06	5.03E-05	3.559252
GUCD1	-0.465932	10.54999925	-6.7094	1.86E-07	2.54E-06	7.074519
ZBTB43	-0.466084	9.745622557	-2.2522	0.0317077	0.0796901	-4.57923
NOCT	-0.466089	8.098455502	-2.5208	0.0172002	0.0471432	-4.02767
DOPEY2	-0.466163	8.235996856	-5.03652	2.05E-05	0.0001347	2.428606
ZBTB40	-0.466589	8.147815235	-3.08803	0.0042867	0.0143419	-2.73896
PKN3	-0.466626	6.746337822	-5.19032	1.32E-05	9.27E-05	2.857825
ZSWIM4	-0.466822	8.1442668	-4.32154	0.0001541	0.0007876	0.453707
FBXO6	-0.467191	8.886305624	-4.38112	0.0001305	0.0006802	0.616255
PGAP2	-0.467293	10.63874301	-5.81333	2.27E-06	2.05E-05	4.598354
NR1H3	-0.467504	7.926409975	-3.04791	0.0047472	0.0156214	-2.8349
GNS	-0.467763	11.5990598	-4.61397	6.78E-05	0.0003813	1.25578
LZTS2	-0.467867	7.42330509	-6.05745	1.14E-06	1.14E-05	5.277821

PLAU	-0.467892	9.408490949	-3.24299	0.002877	0.0100736	-2.36251
C19orf54	-0.46817	7.31017674	-5.81916	2.23E-06	2.02E-05	4.614611
TAF6	-0.468726	6.78043331	-5.77863	2.50E-06	2.22E-05	4.501585
APBA3	-0.469336	8.737421756	-5.25799	1.09E-05	7.88E-05	3.04689
RSPH14	-0.46947	6.48860887	-3.72736	0.0007942	0.0032363	-1.13351
EPHX3	-0.469493	11.24312004	-3.27683	0.0026346	0.0093275	-2.2791
TINF2	-0.469701	10.72942105	-4.58988	7.25E-05	0.0004056	1.189331
FNTB	-0.46977	9.582358723	-5.46748	6.03E-06	4.72E-05	3.632482
RHOD	-0.469822	10.54888894	-3.85569	0.0005599	0.0023981	-0.79688
UNC45A	-0.470152	9.311349429	-7.56972	1.81E-08	3.79E-07	9.386047
JARID2	-0.470346	9.687561037	-2.06386	0.0476861	0.1127785	-4.93952
SLC5A8	-0.470464	7.446529207	-2.27969	0.0298301	0.0756077	-4.52475
CHPF2	-0.470529	7.242260035	-5.80356	2.33E-06	2.10E-05	4.571116
SCCPDH	-0.470733	7.316547278	-4.54707	8.18E-05	0.0004512	1.071419
TRIM32	-0.470946	7.832207145	-3.76655	0.000714	0.0029493	-1.03113
HDAC6	-0.471105	8.384673093	-5.12489	1.59E-05	0.0001084	2.675151
TMEM63B	-0.471109	7.902817358	-4.67378	5.72E-05	0.0003292	1.420989
DUSP19	-0.471163	11.11597102	-2.05807	0.0482732	0.1138896	-4.95021
RPH3AL	-0.471181	7.044168113	-2.62605	0.0134166	0.0381353	-3.80044
TRPV6	-0.471221	7.24830631	-6.4313	4.02E-07	4.75E-06	6.311954
MTA1	-0.471523	8.925379793	-4.38511	0.000129	0.0006741	0.627175
CS	-0.471568	10.15158596	-6.62292	2.36E-07	3.10E-06	6.83807
CAMK1D	-0.471733	7.847070344	-5.60404	4.10E-06	3.39E-05	4.014149
SLC45A2	-0.472085	6.333984109	-6.30272	5.74E-07	6.41E-06	5.957338
SGPL1	-0.472086	8.183517343	-5.10596	1.68E-05	0.0001134	2.622305
SH3BP4	-0.472146	8.975939837	-5.09324	1.74E-05	0.000117	2.586804
DHRS1	-0.472233	12.0834182	-3.9556	0.0004257	0.0018904	-0.53218
ZNF584	-0.472412	7.200548303	-6.49773	3.34E-07	4.08E-06	6.494692
RPL28	-0.472868	8.61917565	-3.5978	0.0011266	0.0044119	-1.46911
ADNP2	-0.472921	9.225501122	-3.66455	0.0009413	0.0037575	-1.29675
SH2B1	-0.472939	7.683831525	-6.18443	7.99E-07	8.42E-06	5.630087
RNF121	-0.47303	8.46586636	-7.563	1.84E-08	3.85E-07	9.368314
DNAJC4	-0.473127	6.922497153	-3.98229	0.0003956	0.0017756	-0.46111
ABCD1	-0.473339	6.301449234	-5.30541	9.55E-06	7.02E-05	3.179409
EDC3	-0.473368	8.315121098	-4.26555	0.0001803	0.0009031	0.301422
NME4	-0.473527	9.163486245	-3.10316	0.0041243	0.0138657	-2.70262
RRP7BP	-0.473529	6.673780093	-4.93724	2.72E-05	0.0001725	2.152042
ZSWIM5	-0.473569	6.739396633	-7.51056	2.12E-08	4.31E-07	9.229697
LRRC15	-0.473832	6.834248821	-5.4921	5.63E-06	4.43E-05	3.70131
NPRL3	-0.473901	7.651164472	-8.62579	1.17E-09	4.43E-08	12.10363
POLR1B	-0.474324	7.153850305	-5.6175	3.94E-06	3.28E-05	4.051744
AGO1	-0.47433	8.713906631	-5.67583	3.34E-06	2.84E-05	4.214671
CFL1	-0.474933	12.27706389	-6.08191	1.07E-06	1.07E-05	5.345763
PPP1R13B	-0.475054	9.899786569	-7.16851	5.31E-08	9.00E-07	8.317876
SMG5	-0.475478	8.650811214	-3.89808	0.0004986	0.0021692	-0.68484
PHRF1	-0.475545	6.816308362	-4.37653	0.0001321	0.0006877	0.603718
TBC1D22A	-0.475744	6.895299422	-5.53736	4.95E-06	3.96E-05	3.827802
ZNF346	-0.475806	6.670647621	-4.01974	0.0003567	0.0016223	-0.36113
GGA3	-0.475984	7.306637303	-7.17038	5.29E-08	8.98E-07	8.322882
ZNF562	-0.476004	8.775877258	-3.76754	0.0007121	0.0029422	-1.02854
RAB7B	-0.476453	10.70827916	-4.37141	0.0001341	0.0006965	0.589734
NTM	-0.476502	6.988206599	-4.12732	0.0002649	0.0012493	-0.07247
CPSF4	-0.476579	8.863954096	-5.86831	1.94E-06	1.79E-05	4.751622
CCDC9	-0.476582	6.875396382	-5.87894	1.89E-06	1.75E-05	4.781237
EVA1B	-0.476848	6.679953328	-5.92779	1.64E-06	1.55E-05	4.917276
PCBP1	-0.476968	12.651352	-7.78649	1.02E-08	2.39E-07	9.955361
ZNF646	-0.477074	6.807408426	-6.23837	6.88E-07	7.44E-06	5.779407
TRAM2	-0.477813	7.17727661	-4.14981	0.0002488	0.0011843	-0.01186
MTURN	-0.478056	10.27439294	-3.86491	0.000546	0.002342	-0.77254

SGTA	-0.478061	7.342812466	-4.54264	8.29E-05	0.0004561	1.059237
ERGIC1	-0.478387	7.706928934	-5.56776	4.54E-06	3.68E-05	3.912752
ZNF777	-0.478464	6.781964467	-6.23094	7.02E-07	7.56E-06	5.758841
SSBP3	-0.47915	7.434283688	-4.29855	0.0001644	0.0008333	0.391133
SYS1	-0.479163	8.547117005	-4.67166	5.76E-05	0.0003308	1.415113
IMPDH2	-0.479395	12.44033274	-4.60632	6.92E-05	0.0003888	1.234672
CCS	-0.479445	7.956219233	-4.15649	0.0002442	0.0011659	0.006166
DOHH	-0.479775	7.448746031	-5.72777	2.89E-06	2.51E-05	4.359661
TFAP4	-0.480056	7.265718441	-4.18126	0.000228	0.0011008	0.073054
LY6E	-0.481175	9.848567973	-2.07285	0.0467847	0.1109173	-4.92284
PRICKLE1	-0.48121	8.70718497	-2.63863	0.0130201	0.0371496	-3.77289
FAM131A	-0.481263	9.889355623	-6.54943	2.89E-07	3.67E-06	6.63665
OTX1	-0.481639	7.032139991	-4.14933	0.0002492	0.0011853	-0.01316
LMNTD2	-0.48182	7.349328183	-4.77639	4.28E-05	0.0002558	1.705104
VHL	-0.481938	8.374434465	-5.89437	1.81E-06	1.68E-05	4.824204
ST3GAL4	-0.482117	6.733126908	-4.61601	6.74E-05	0.0003794	1.261421
PLEKHO2	-0.482143	6.701729503	-5.27742	1.03E-05	7.52E-05	3.101187
NME3	-0.482159	10.51355204	-4.40709	0.0001213	0.0006399	0.687256
CHD8	-0.482279	10.4623898	-4.49612	9.44E-05	0.0005114	0.931343
HLA-DOA	-0.482286	7.748977571	-3.09964	0.0041616	0.0139716	-2.71109
SIRT7	-0.482339	7.425775571	-6.16275	8.49E-07	8.84E-06	5.570014
ACY1	-0.482398	8.278725163	-3.01173	0.0052025	0.016916	-2.92086
ORMDL3	-0.482493	7.597831713	-5.35924	8.20E-06	6.14E-05	3.329877
HEXIM2	-0.48266	6.970887884	-4.43579	0.0001119	0.0005944	0.765849
DHPS	-0.483024	9.633970922	-4.75646	4.53E-05	0.000268	1.649864
ZNF134	-0.483096	7.961341825	-5.29407	9.87E-06	7.20E-05	3.147718
PROM2	-0.483341	11.74771267	-4.21472	0.0002077	0.0010181	0.163553
RHOB	-0.483491	9.345550002	-2.33763	0.0261973	0.0676278	-4.40841
TRIM8	-0.483532	10.68276594	-6.98774	8.68E-08	1.36E-06	7.830828
LIG1	-0.484102	8.945662419	-4.32159	0.0001541	0.0007876	0.453839
GNPDA1	-0.484223	10.16348248	-3.64145	0.0010018	0.0039704	-1.35653
KDM4B	-0.484237	6.489256445	-6.15108	8.78E-07	9.08E-06	5.537644
PPME1	-0.48438	9.602852709	-7.57279	1.80E-08	3.77E-07	9.394172
ZDHHC5	-0.484616	10.09090757	-4.45636	0.0001056	0.0005651	0.822227
SNX12	-0.484729	7.088987559	-4.4254	0.0001152	0.000611	0.737388
TRIM41	-0.484802	7.894504576	-6.51693	3.17E-07	3.92E-06	6.547433
AAAS	-0.484846	7.021707743	-4.5337	8.50E-05	0.0004662	1.034642
SIAH2	-0.48521	8.291709477	-7.15188	5.56E-08	9.37E-07	8.273205
NGEF	-0.485282	8.845563795	-3.36678	0.0020818	0.007605	-2.05546
CD2BP2	-0.485707	10.96887895	-5.75258	2.69E-06	2.37E-05	4.428911
SLC9A8	-0.485859	7.13104134	-5.62042	3.91E-06	3.25E-05	4.059911
LMF1	-0.485926	6.978681972	-5.39408	7.43E-06	5.64E-05	3.427272
OCA2	-0.486043	7.627181737	-3.75092	0.000745	0.0030629	-1.07202
PRPF19	-0.48613	9.859067394	-6.11524	9.70E-07	9.91E-06	5.438243
MAD1L1	-0.486232	7.269401598	-6.30061	5.78E-07	6.44E-06	5.951507
AP2S1	-0.486758	12.512333365	-5.45305	6.29E-06	4.89E-05	3.592127
SLC5A6	-0.486791	8.423806885	-3.78614	0.000677	0.0028142	-0.97981
SLC35C2	-0.486796	7.905491668	-7.06383	7.06E-08	1.14E-06	8.03625
SMPD2	-0.486892	8.916811789	-2.96648	0.0058303	0.0187034	-3.02757
ABTB1	-0.487012	8.561059826	-5.09681	1.73E-05	0.0001159	2.596785
SNAP47	-0.487372	7.779863883	-6.32627	5.38E-07	6.06E-06	6.022351
MRPL23	-0.487591	11.96361706	-3.97954	0.0003986	0.001787	-0.46844
ZNF384	-0.48773	7.99529373	-7.27959	3.94E-08	7.07E-07	8.615423
SLC31A1	-0.488018	9.773598247	-3.73848	0.0007706	0.0031494	-1.10449
MBLAC1	-0.488439	6.768554451	-4.8057	3.94E-05	0.0002383	1.786431
FBLN1	-0.488734	7.480539192	-4.89366	3.07E-05	0.0001917	2.030789
PICK1	-0.489002	8.183457855	-6.62615	2.34E-07	3.07E-06	6.846913
P4HTM	-0.489713	7.857273734	-7.13507	5.82E-08	9.72E-07	8.228026
SWSAP1	-0.489766	6.906532672	-4.77766	4.27E-05	0.000255	1.708624

MIF	-0.490002	13.09177697	-3.11284	0.0040235	0.0135547	-2.6793
ANO9	-0.490105	7.476912955	-3.72227	0.0008052	0.0032748	-1.14676
VIM	-0.490248	10.07010453	-2.50999	0.0176398	0.0481774	-4.05066
YDJC	-0.490491	7.571544684	-5.75779	2.65E-06	2.34E-05	4.443433
ECI1	-0.490789	9.013523825	-3.852	0.0005656	0.0024181	-0.80661
ALDOC	-0.490792	11.51148775	-3.81382	0.0006278	0.0026494	-0.90713
LIMS2	-0.490915	6.649211158	-5.67714	3.33E-06	2.83E-05	4.21831
PTGS1	-0.491203	9.686845998	-3.86204	0.0005503	0.0023589	-0.78012
TNPO2	-0.49128	11.18304789	-4.72441	4.96E-05	0.0002904	1.561055
SPATA2	-0.49128	7.188167809	-6.32918	5.34E-07	6.02E-06	6.030404
NPEPL1	-0.49146	9.50549894	-4.76062	4.48E-05	0.0002656	1.661383
KCTD11	-0.491715	8.230266823	-3.92265	0.0004661	0.0020462	-0.61973
APMAP	-0.491759	8.853920276	-5.60104	4.13E-06	3.41E-05	4.005766
PLEKHF1	-0.491774	8.268829875	-2.33013	0.0266437	0.0685976	-4.42358
FAM207A	-0.491821	7.801801442	-4.56997	7.67E-05	0.0004256	1.134472
TFPT	-0.491888	8.127440623	-4.47366	0.0001006	0.0005408	0.86966
TIMP1	-0.492234	10.34543454	-2.35637	0.0251112	0.0652058	-4.37035
RSG1	-0.492839	6.986541256	-6.1484	8.84E-07	9.14E-06	5.53023
TIMM17B	-0.492879	8.424824943	-4.33349	0.0001491	0.0007649	0.486275
DCTN5	-0.492938	10.47674346	-6.79535	1.47E-07	2.09E-06	7.308832
TRMT61A	-0.49294	7.80157767	-4.64709	6.17E-05	0.0003509	1.347225
TULP3	-0.492959	7.810850666	-5.7847	2.46E-06	2.19E-05	4.518531
TMEM120A	-0.492961	7.93385837	-3.90419	0.0004903	0.002138	-0.66866
TAGLN2	-0.492976	11.54472583	-3.9912	0.000386	0.0017381	-0.43735
PCBP2	-0.493186	12.75148584	-7.4015	2.84E-08	5.42E-07	8.940407
HECTD3	-0.493746	8.967291845	-6.54786	2.91E-07	3.68E-06	6.632335
FAM83G	-0.493796	6.796512461	-4.67826	5.65E-05	0.0003255	1.43337
PACSIN3	-0.494224	9.30069465	-4.58391	7.38E-05	0.0004113	1.172884
FLNB	-0.494233	11.15248173	-4.75506	4.55E-05	0.0002689	1.645986
GATSL3	-0.494327	8.270910213	-5.51641	5.25E-06	4.16E-05	3.769254
TM9SF1	-0.49448	7.74592818	-6.59357	2.56E-07	3.31E-06	6.757699
THOP1	-0.495732	8.603286142	-3.37228	0.0020519	0.0075085	-2.0417
HYI	-0.495733	7.221934596	-4.06972	0.0003107	0.0014342	-0.2273
MMS19	-0.495895	10.52879763	-5.74611	2.74E-06	2.41E-05	4.410846
DLK1	-0.496345	6.328670528	-3.30496	0.0024481	0.0087391	-2.20946
DEXI	-0.496348	9.957388531	-5.15172	1.48E-05	0.0001018	2.750031
TREX2	-0.496452	6.75447653	-3.74192	0.0007634	0.0031241	-1.09551
CRISPLD2	-0.496565	8.467108846	-2.49917	0.0180903	0.0492392	-4.07361
NAIF1	-0.496752	8.621397289	-6.34895	5.05E-07	5.74E-06	6.084969
ITPK1-AS1	-0.496762	11.14822432	-2.06914	0.0471547	0.1116443	-4.92973
DCP1A	-0.497198	8.497680128	-5.09041	1.76E-05	0.0001179	2.578915
BET1L	-0.497283	7.166719091	-7.18546	5.07E-08	8.65E-07	8.363345
RRAGC	-0.497451	10.36899088	-4.33369	0.000149	0.0007646	0.48683
ASB13	-0.497653	8.271321941	-6.34956	5.04E-07	5.73E-06	6.086647
HSPA1L	-0.497681	7.498457045	-8.34821	2.37E-09	7.66E-08	11.4033
CD99L2	-0.497727	7.79411276	-5.72299	2.93E-06	2.54E-05	4.346319
SPRR2D	-0.498267	8.189316261	-2.48996	0.0184821	0.0501321	-4.0931
P2RX7	-0.498646	8.841589452	-4.2925	0.0001672	0.0008442	0.37466
ACTR1A	-0.498733	11.00843718	-4.04448	0.0003332	0.0015246	-0.29496
KRT75	-0.499615	6.722119398	-2.31208	0.0277468	0.0710512	-4.45997
B4GALT3	-0.499753	9.872253572	-5.11765	1.63E-05	0.0001101	2.654925
MCM2	-0.499964	8.602818967	-2.93144	0.0063648	0.0201945	-3.10959
QSOX1	-0.500157	6.951161662	-6.01104	1.30E-06	1.27E-05	5.148877
PSKH1	-0.500437	6.6240517	-5.67528	3.35E-06	2.84E-05	4.213135
RND2	-0.501017	7.948227943	-4.10573	0.0002812	0.0013166	-0.13058
NAT14	-0.501149	7.249177908	-5.62081	3.91E-06	3.25E-05	4.06098
NTHL1	-0.501151	7.889841468	-3.84278	0.0005801	0.0024717	-0.83092
FAM83F	-0.501602	7.101246197	-5.16029	1.44E-05	9.98E-05	2.773966
STAT3	-0.501672	9.945256349	-5.52694	5.10E-06	4.06E-05	3.79868

RTN4RL1	-0.501874	7.202769281	-5.88711	1.84E-06	1.71E-05	4.804003
SLC24A3	-0.5019	7.665468536	-4.14437	0.0002526	0.0011994	-0.02652
C12orf10	-0.501954	10.57443434	-3.50442	0.0014461	0.0055013	-1.70808
H2AFX	-0.502255	8.40042748	-5.02313	2.13E-05	0.0001391	2.391282
TKFC	-0.50247	7.649457957	-4.8006	4.00E-05	0.0002409	1.772265
TBC1D20	-0.503103	8.568336954	-9.18921	2.87E-10	1.49E-08	13.49322
DPP3	-0.503106	7.667683673	-6.69316	1.95E-07	2.64E-06	7.030157
GALR2	-0.50323	6.732507227	-5.4508	6.33E-06	4.91E-05	3.585834
TRADD	-0.503251	8.130038896	-6.97704	8.94E-08	1.39E-06	7.801877
BTBD6	-0.503538	10.73414371	-7.6301	1.54E-08	3.33E-07	9.545199
CYP26B1	-0.503601	9.092940857	-2.07765	0.0463108	0.1099817	-4.91393
LSS	-0.503725	8.176012745	-6.9285	1.02E-07	1.55E-06	7.67047
RAB11B	-0.503965	6.461479161	-6.31606	5.54E-07	6.21E-06	5.994172
ROR2	-0.504053	6.736171215	-4.66325	5.90E-05	0.0003375	1.39188
TMEM18	-0.504693	8.211613618	-6.32889	5.34E-07	6.03E-06	6.029586
BMP1	-0.504779	7.620833895	-4.59987	7.05E-05	0.0003952	1.216902
PRKCDBP	-0.504799	9.31163055	-3.01974	0.0050982	0.0166102	-2.90186
PPP1R3C	-0.504817	8.091660502	-2.17449	0.0376044	0.0922403	-4.73067
GPM6B	-0.504989	6.290124161	-5.6046	4.09E-06	3.38E-05	4.015714
CDK2AP2	-0.505278	7.51295246	-4.98501	2.37E-05	0.0001532	2.285052
SUSD6	-0.50549	9.043694236	-3.52554	0.001367	0.0052357	-1.65425
TP53RK	-0.505967	9.391582075	-4.89106	3.09E-05	0.000193	2.023568
RNF123	-0.506078	7.758702274	-7.10388	6.33E-08	1.05E-06	8.144126
POU2F3	-0.506411	7.143768205	-6.20477	7.55E-07	8.01E-06	5.686415
C1QL4	-0.506688	6.136937199	-6.23764	6.89E-07	7.45E-06	5.777385
ARPC4	-0.506755	8.966637836	-6.42363	4.10E-07	4.83E-06	6.29083
PPL	-0.506864	10.70570163	-3.30884	0.0024234	0.0086637	-2.19984
FEM1B	-0.507086	7.968243728	-2.85718	0.0076548	0.0235929	-3.28165
ASB6	-0.507158	7.565397366	-8.15233	3.92E-09	1.09E-07	10.90298
ALDOA	-0.507522	9.200976411	-7.97863	6.16E-09	1.58E-07	10.45516
SNAPC4	-0.507782	9.764133458	-5.4068	7.17E-06	5.47E-05	3.462842
C9orf152	-0.507944	8.037296315	-2.51106	0.0175958	0.0480774	-4.04838
GMEB1	-0.508008	8.029309128	-7.51227	2.11E-08	4.29E-07	9.234241
MPDU1	-0.508415	8.162580879	-4.07715	0.0003044	0.0014083	-0.20736
COL6A2	-0.508442	6.673195008	-4.95947	2.55E-05	0.0001631	2.21391
ZADH2	-0.508695	8.618502003	-4.36366	0.000137	0.0007102	0.568584
CCKBR	-0.508771	6.577269765	-4.52032	8.82E-05	0.0004821	0.997842
SLC43A1	-0.508915	6.627771606	-6.20855	7.47E-07	7.94E-06	5.696875
CAD	-0.50913	7.772470351	-4.39951	0.0001239	0.0006514	0.666536
CNTROB	-0.509323	7.051821437	-7.05032	7.32E-08	1.17E-06	7.99981
BSCL2	-0.509659	10.65344006	-4.19686	0.0002183	0.0010606	0.115215
LYPD3	-0.509746	13.02950042	-3.36871	0.0020713	0.0075694	-2.05063
CYB561D2	-0.510149	8.137910729	-5.45777	6.20E-06	4.83E-05	3.605318
ARFRP1	-0.51028	7.215041067	-6.45125	3.80E-07	4.54E-06	6.366874
FLJ20021	-0.510313	8.918837822	-4.33443	0.0001487	0.0007633	0.488835
INTS9	-0.510525	9.422547971	-7.5378	1.97E-08	4.05E-07	9.30175
SH3BP5L	-0.510701	8.498150706	-3.98079	0.0003972	0.0017821	-0.46511
NFYC	-0.510741	9.084748163	-5.43748	6.57E-06	5.07E-05	3.548597
GLI3	-0.511058	8.146989584	-6.52842	3.07E-07	3.82E-06	6.57897
MAOA	-0.511254	10.73575599	-3.90075	0.0004949	0.0021573	-0.67777
CDHR1	-0.511319	9.57795484	-2.5638	0.015549	0.0432027	-3.93556
SLC12A9	-0.511416	9.756258424	-6.4199	4.15E-07	4.87E-06	6.280551
DOCK6	-0.511461	8.381222864	-4.13374	0.0002602	0.0012314	-0.05517
ABHD14A	-0.512173	7.029488753	-4.06874	0.0003115	0.0014374	-0.22992
TEAD3	-0.512232	6.886290463	-5.72357	2.92E-06	2.54E-05	4.347961
DCTN1	-0.512612	8.22803814	-6.54069	2.97E-07	3.74E-06	6.612667
FAAP20	-0.51343	8.612396521	-4.99906	2.28E-05	0.000148	2.324186
LRR8A	-0.513557	8.716151854	-4.95828	2.56E-05	0.0001634	2.210599
CLSTN1	-0.513558	8.746737242	-5.92232	1.67E-06	1.57E-05	4.902034

PRPF6	-0.513804	7.191863528	-4.89371	3.07E-05	0.0001917	2.030918
STK40	-0.513932	8.477162021	-6.70457	1.89E-07	2.57E-06	7.06132
PHLPP1	-0.514107	7.882171776	-5.21883	1.22E-05	8.65E-05	2.937477
ACTL7B	-0.514527	6.95010339	-6.50403	3.28E-07	4.03E-06	6.511992
MRPS18A	-0.514582	9.162606768	-4.17555	0.0002316	0.0011159	0.057631
HLA-E	-0.514619	10.90474235	-3.94533	0.0004379	0.0019353	-0.5595
ZDHHC8	-0.51466	11.27933754	-5.57838	4.41E-06	3.59E-05	3.942451
ECHDC3	-0.514725	10.2622363	-3.97304	0.0004058	0.001813	-0.48575
CFLAR	-0.514966	9.909273551	-2.83742	0.0080373	0.0246001	-3.32701
ELOF1	-0.515022	8.153132497	-4.16945	0.0002356	0.0011325	0.041135
ATG101	-0.51523	10.67181083	-6.61387	2.42E-07	3.15E-06	6.813302
TMEM147	-0.51555	12.17393091	-6.36789	4.79E-07	5.48E-06	6.137219
RCC2	-0.515626	12.09809664	-4.27431	0.0001759	0.0008831	0.325199
PGD	-0.515746	9.992174207	-3.51172	0.0014183	0.005406	-1.68949
ACTN1	-0.515878	10.0114765	-3.14359	0.0037187	0.0126377	-2.60505
TBC1D10A	-0.516022	8.247311368	-4.96572	2.50E-05	0.0001607	2.231337
KRT19	-0.51619	6.598609271	-2.91321	0.0066611	0.0209766	-3.15206
CRTC2	-0.516354	7.101750416	-5.58316	4.35E-06	3.55E-05	3.9558
ARHGAP32	-0.516393	9.906104488	-2.83819	0.0080222	0.0245576	-3.32525
SMO	-0.516441	8.21530502	-5.68634	3.25E-06	2.76E-05	4.244009
CITED2	-0.516507	9.910599822	-2.85487	0.0076986	0.0237128	-3.28696
HOXC8	-0.516826	7.541551609	-4.98135	2.40E-05	0.0001546	2.274855
TRIM65	-0.517048	7.328307067	-6.70937	1.86E-07	2.54E-06	7.074432
KRT78	-0.517049	9.361256683	-2.76077	0.0096978	0.0288164	-3.50121
POMC	-0.517111	6.930697108	-5.59465	4.21E-06	3.46E-05	3.987894
C16orf58	-0.517157	10.50181084	-5.12247	1.61E-05	0.000109	2.668373
PWWP2B	-0.517192	7.050003143	-10.8428	5.95E-12	1.10E-09	17.32117
LDLRAD3	-0.517224	7.811576908	-5.13674	1.54E-05	0.0001055	2.708212
PLXNB2	-0.517243	8.304299725	-6.69567	1.93E-07	2.62E-06	7.037024
MT1F	-0.517248	9.098582804	-2.47753	0.0190233	0.0514073	-4.11933
FFAR2	-0.517262	6.589485731	-5.11769	1.63E-05	0.0001101	2.655048
ZBTB7C	-0.51737	9.995206818	-4.44054	0.0001104	0.0005874	0.778849
LOC729603	-0.517479	13.10566743	-2.70575	0.0110822	0.0323043	-3.62452
TMEM150A	-0.517487	8.477145223	-5.01261	2.19E-05	0.000143	2.36197
MVK	-0.517508	7.855905095	-6.60362	2.49E-07	3.23E-06	6.785215
AGTRAP	-0.517787	7.431815044	-4.38517	0.000129	0.0006741	0.627329
KLK6	-0.517951	7.060686704	-2.84899	0.0078113	0.0240104	-3.30048
UBR4	-0.518021	12.41074142	-3.60602	0.001102	0.0043234	-1.44795
2-Mar	-0.518071	7.391036525	-5.59265	4.23E-06	3.47E-05	3.982325
SLC16A5	-0.518249	7.964966135	-5.69314	3.19E-06	2.72E-05	4.263009
CLEC16A	-0.518352	9.525858379	-4.13765	0.0002574	0.0012196	-0.04463
TMEM41A	-0.518765	8.253189144	-5.18105	1.36E-05	9.48E-05	2.831941
TGM1	-0.518924	8.633660281	-2.40754	0.0223512	0.0590503	-4.26538
VPS26B	-0.518964	8.846551529	-6.37244	4.73E-07	5.43E-06	6.149769
C7orf50	-0.519348	10.71782459	-5.21238	1.24E-05	8.78E-05	2.919447
SLC1A4	-0.519794	7.697121873	-3.03743	0.0048751	0.0159771	-2.85985
FIBP	-0.519799	9.259417791	-4.31718	0.000156	0.0007953	0.44184
DGCR6	-0.519892	10.12594783	-3.60815	0.0010957	0.0043024	-1.44246
ATP5SL	-0.520051	10.40138368	-4.58091	7.44E-05	0.0004143	1.164616
GFOD1	-0.520202	9.089448852	-3.8622	0.0005501	0.0023583	-0.77969
IDH2	-0.520449	10.76790609	-3.96358	0.0004165	0.001854	-0.51094
SLC39A1	-0.520529	10.53008528	-6.28868	5.97E-07	6.61E-06	5.918527
CECR5	-0.521272	9.147102096	-6.54069	2.97E-07	3.74E-06	6.612674
ANGEL1	-0.521295	6.847445062	-6.15213	8.75E-07	9.07E-06	5.540571
DUS2	-0.5214	9.157830089	-5.69654	3.15E-06	2.70E-05	4.272501
TUSC1	-0.521541	8.217939518	-4.89691	3.04E-05	0.0001902	2.039839
HSD17B8	-0.521781	10.52609174	-3.84415	0.0005779	0.0024646	-0.8273
SREBF1	-0.522737	7.935466669	-5.02707	2.10E-05	0.0001379	2.402259
CENPV	-0.522801	7.655225557	-2.50568	0.0178181	0.0485838	-4.05982

NARFL	-0.522949	8.328061371	-5.19581	1.30E-05	9.15E-05	2.873156
CACTIN	-0.522983	7.316051062	-7.6608	1.42E-08	3.12E-07	9.625948
DPP9	-0.522994	8.993710123	-4.9364	2.72E-05	0.0001727	2.149706
TLCD1	-0.523072	8.498829487	-5.35547	8.29E-06	6.20E-05	3.319347
VIPR1	-0.523301	10.5356824	-4.40505	0.000122	0.0006432	0.68169
MFSD10	-0.523426	10.59925737	-4.74508	4.68E-05	0.0002757	1.618331
RNF185	-0.523547	8.096491929	-6.12869	9.35E-07	9.59E-06	5.475561
STARD3	-0.523645	7.291527924	-5.24851	1.12E-05	8.05E-05	3.020403
BAK1	-0.523934	7.780561443	-3.97007	0.0004091	0.0018258	-0.49366
ARHGAP27	-0.52395	7.006061403	-5.7406	2.79E-06	2.44E-05	4.395488
PIGM	-0.52406	7.738398823	-4.71622	5.08E-05	0.0002963	1.538395
ZNF549	-0.524241	9.589299668	-4.93098	2.76E-05	0.0001748	2.134617
SULT2B1	-0.524419	9.05315355	-6.48671	3.44E-07	4.18E-06	6.464385
CIC	-0.524475	8.045020393	-6.37736	4.67E-07	5.38E-06	6.163327
RNPEP	-0.524482	9.319664038	-4.41489	0.0001187	0.0006274	0.708617
SLC5A1	-0.524562	8.917764347	-2.8487	0.0078169	0.0240238	-3.30114
PDZD4	-0.524742	6.90205116	-5.69129	3.20E-06	2.73E-05	4.257843
FZR1	-0.525037	7.200201395	-7.3927	2.90E-08	5.52E-07	8.916994
IKBKG	-0.525462	9.745374799	-5.54313	4.87E-06	3.90E-05	3.843941
RAD9A	-0.525657	8.216209286	-4.81732	3.81E-05	0.0002314	1.818674
SLC38A7	-0.52568	6.730410252	-4.88112	3.18E-05	0.0001975	1.995914
SHPK	-0.525748	9.996273922	-6.32556	5.39E-07	6.07E-06	6.020399
NUP93	-0.52614	9.912818121	-4.66201	5.92E-05	0.0003383	1.388436
GCHFR	-0.52665	9.540638417	-2.99929	0.0053684	0.0173883	-2.95028
IKBKE	-0.526675	8.090813215	-4.68097	5.61E-05	0.0003237	1.440852
MED12	-0.526717	7.984363168	-6.16294	8.49E-07	8.84E-06	5.570525
CUEDC2	-0.527076	9.70553747	-4.88439	3.15E-05	0.000196	2.005015
PHF23	-0.527381	7.884765184	-3.35509	0.0021468	0.00781	-2.08468
BACE2	-0.527504	6.833122606	-5.42658	6.77E-06	5.21E-05	3.518124
MAP2K5	-0.527506	7.781844918	-7.55695	1.87E-08	3.90E-07	9.352356
LTBP4	-0.527572	7.49629228	-5.24859	1.12E-05	8.05E-05	3.020613
GDPD2	-0.528165	7.845870767	-3.2724	0.0026651	0.009426	-2.29003
TMEM94	-0.528397	7.496946413	-6.22865	7.06E-07	7.60E-06	5.752528
SDSL	-0.528499	6.661949272	-5.31896	9.19E-06	6.79E-05	3.217278
SOX15	-0.529061	11.70868594	-5.02766	2.10E-05	0.0001377	2.403916
GLIPR2	-0.529156	8.248327468	-2.63755	0.0130536	0.0372233	-3.77525
MTA2	-0.529227	9.499141465	-4.51114	9.05E-05	0.0004924	0.972606
MTCH1	-0.529372	12.91111612	-7.49932	2.18E-08	4.40E-07	9.199964
CORO7	-0.529613	7.473752713	-6.20961	7.45E-07	7.92E-06	5.699822
RGMB	-0.529618	8.313295265	-2.46461	0.0196014	0.0527478	-4.14651
PRR5	-0.529785	7.424771762	-6.38763	4.53E-07	5.26E-06	6.191631
TPGS1	-0.529801	6.660696508	-7.03884	7.55E-08	1.20E-06	7.96884
RNF220	-0.529803	9.65912101	-5.98692	1.39E-06	1.35E-05	5.081809
AP2M1	-0.530281	10.08929284	-5.71494	2.99E-06	2.59E-05	4.323868
LMAN2	-0.53034	7.678196817	-5.16205	1.43E-05	9.94E-05	2.778877
SPHK2	-0.530392	8.19397438	-5.84711	2.06E-06	1.88E-05	4.692539
RASIP1	-0.53059	8.845101015	-2.91084	0.0067005	0.021077	-3.15758
PIN1	-0.530631	11.4105827	-6.03333	1.22E-06	1.21E-05	5.210816
WDR25	-0.530784	7.23056045	-5.80749	2.31E-06	2.08E-05	4.582068
ZCCHC3	-0.53095	7.401585718	-5.52082	5.19E-06	4.12E-05	3.781572
SORBS3	-0.531145	7.235592184	-8.27636	2.85E-09	8.80E-08	11.22036
PLCXD1	-0.531227	8.923004494	-3.34145	0.002225	0.0080449	-2.11872
DHX38	-0.531495	8.241591061	-7.54644	1.93E-08	3.99E-07	9.32458
ARRB1	-0.531502	7.512608227	-7.09812	6.43E-08	1.06E-06	8.128613
MAP7D1	-0.531591	11.76395932	-4.26641	0.0001798	0.0009014	0.303758
EGLN2	-0.531625	9.160797028	-5.18126	1.36E-05	9.48E-05	2.832528
SLN	-0.531634	6.79117584	-3.38007	0.0020103	0.0073728	-2.02218
C6orf89	-0.532126	7.470827071	-6.53884	2.98E-07	3.75E-06	6.607586
PAFAH2	-0.532257	8.298003051	-7.43098	2.62E-08	5.09E-07	9.018735

C1orf116	-0.532293	10.70880821	-3.88798	0.0005126	0.0022242	-0.71158
ITPR3	-0.532453	12.33309539	-3.47769	0.0015527	0.0058632	-1.77601
ZBTB5	-0.532721	8.693999044	-3.43575	0.0017355	0.0064742	-1.88215
TLN1	-0.533012	8.141368754	-4.29582	0.0001656	0.0008381	0.383704
ALOX12	-0.533664	8.557620403	-2.97057	0.0057707	0.0185429	-3.01796
ZDHHC3	-0.533785	9.100060248	-8.43961	1.88E-09	6.40E-08	11.63502
SQSTM1	-0.533952	11.12940044	-5.51025	5.34E-06	4.23E-05	3.752022
TMEM266	-0.534189	6.994439771	-5.33177	8.87E-06	6.58E-05	3.253081
TMED9	-0.534529	11.15730275	-6.61982	2.38E-07	3.12E-06	6.829585
NISCH	-0.534836	10.46000719	-4.2575	0.0001843	0.0009215	0.279562
MON1A	-0.534935	6.934783824	-4.94735	2.64E-05	0.0001683	2.180176
WNT2	-0.53503	7.051593538	-3.90599	0.0004879	0.0021284	-0.6639
ARRDC1	-0.535095	6.780504	-6.58291	2.64E-07	3.39E-06	6.728472
PLTP	-0.535229	8.603900814	-4.43975	0.0001107	0.0005885	0.776684
TCN2	-0.535749	6.404663428	-5.77855	2.50E-06	2.22E-05	4.501368
PIGO	-0.535815	7.403405353	-6.50643	3.26E-07	4.01E-06	6.518586
TRIL	-0.535898	7.475223718	-2.91655	0.0066059	0.0208367	-3.1443
SUFU	-0.535909	6.747731315	-6.22241	7.19E-07	7.70E-06	5.735239
NDUFS8	-0.535954	12.0101267	-4.0948	0.0002899	0.0013495	-0.15997
RRP9	-0.536095	7.098148921	-3.82787	0.0006042	0.0025649	-0.8702
TFF3	-0.536295	6.527638284	-3.04218	0.0048166	0.0158204	-2.84854
CLIP2	-0.536309	7.1220489	-5.4095	7.11E-06	5.43E-05	3.470377
TSPAN17	-0.536325	8.924102242	-6.41387	4.22E-07	4.94E-06	6.263961
TBL1X	-0.536439	9.199860777	-4.02577	0.0003508	0.0015985	-0.34501
CEBPB	-0.536641	13.36541196	-3.37052	0.0020614	0.0075405	-2.04609
TSEN34	-0.536814	11.19467937	-6.70556	1.88E-07	2.57E-06	7.064038
NFE2L1	-0.53716	10.26825146	-5.21357	1.24E-05	8.76E-05	2.922781
SCO2	-0.537371	10.60331273	-5.08129	1.80E-05	0.0001207	2.553478
RITA1	-0.537788	8.939892818	-5.01582	2.17E-05	0.0001418	2.370903
ACAP3	-0.538071	7.045899858	-5.87264	1.92E-06	1.77E-05	4.763691
FTH1P3	-0.538361	7.141981873	-3.05631	0.004647	0.0153568	-2.81486
PAQR8	-0.538591	6.894707709	-5.71523	2.99E-06	2.59E-05	4.324668
TMEM9	-0.539136	8.831004528	-3.31845	0.0023633	0.008472	-2.17597
NXN	-0.539271	8.851388419	-4.27577	0.0001752	0.00088	0.329171
BAIAP2L2	-0.539323	7.65418095	-4.77923	4.25E-05	0.0002541	1.712973
PLD2	-0.539367	8.255422292	-5.24354	1.14E-05	8.15E-05	3.006501
PPP6R1	-0.539448	7.966666355	-6.11409	9.74E-07	9.93E-06	5.435076
RRP12	-0.539705	8.725595583	-5.09484	1.74E-05	0.0001166	2.591265
PIP4K2C	-0.539914	8.37659527	-7.08734	6.62E-08	1.08E-06	8.099577
NFE2	-0.540317	7.43426479	-2.04797	0.0493143	0.1160353	-4.96884
NCSTN	-0.540713	11.1284387	-5.98212	1.41E-06	1.36E-05	5.068457
NOC2L	-0.540733	7.523711077	-5.93743	1.60E-06	1.51E-05	4.944109
NBEAL2	-0.540839	8.572712006	-2.98964	0.0055005	0.0177688	-2.97306
ZNF444	-0.541413	7.594118939	-6.46142	3.69E-07	4.44E-06	6.39484
PRSS2	-0.541833	7.636864541	-3.71735	0.000816	0.0033121	-1.1596
SNRNP200	-0.542327	8.062285332	-5.12879	1.58E-05	0.0001075	2.686031
CSNK1D	-0.54259	8.578688125	-4.80378	3.96E-05	0.0002393	1.781099
SIRT2	-0.542697	7.54048162	-4.80443	3.96E-05	0.000239	1.782902
ASPSCR1	-0.542991	8.215440366	-6.59352	2.56E-07	3.31E-06	6.757563
RBM14	-0.543288	10.7323609	-6.21048	7.43E-07	7.90E-06	5.70223
AXIN2	-0.54347	9.485069277	-3.24316	0.0028757	0.0100727	-2.36208
FBXO27	-0.543617	7.039607103	-4.71394	5.11E-05	0.0002977	1.53209
EFTUD2	-0.543627	10.19640533	-8.72224	9.17E-10	3.59E-08	12.34457
CA14	-0.543753	6.171474289	-6.2188	7.26E-07	7.75E-06	5.725243
CORO2B	-0.543945	6.349077322	-6.64225	2.24E-07	2.96E-06	6.890983
INAFM1	-0.544092	10.80255196	-5.12151	1.61E-05	0.0001092	2.665708
DOK4	-0.544198	10.02913742	-5.54154	4.89E-06	3.92E-05	3.839488
HLA-G	-0.545002	7.589993285	-3.26945	0.0026857	0.0094913	-2.29733
C7orf43	-0.545284	7.996547785	-5.07761	1.82E-05	0.0001217	2.543193

SLC22A18	-0.545312	7.798300392	-6.49636	3.35E-07	4.09E-06	6.490928
MRPL37	-0.545399	11.95005475	-6.50647	3.26E-07	4.01E-06	6.518687
PEX11B	-0.546017	10.65999344	-5.50164	5.48E-06	4.32E-05	3.727952
WNT3A	-0.546146	8.028366414	-3.40331	0.0018908	0.0069808	-1.96385
KCTD17	-0.546279	6.667917358	-6.53724	2.99E-07	3.76E-06	6.603189
AKT1	-0.546301	8.995538602	-6.29359	5.89E-07	6.54E-06	5.93209
SERPINF2	-0.546384	6.806691704	-4.2799	0.0001732	0.0008712	0.340412
THOC6	-0.546604	8.963166889	-3.97416	0.0004045	0.0018083	-0.48279
TMEM241	-0.547316	7.694074925	-3.62212	0.0010553	0.0041579	-1.40646
CNFN	-0.547552	12.93420783	-3.74387	0.0007594	0.0031102	-1.09042
PPP1CA	-0.547654	9.713817521	-4.50268	9.27E-05	0.0005027	0.949341
RAB35	-0.547661	9.873353147	-9.06198	3.93E-10	1.88E-08	13.18321
PRKAR2A	-0.547733	7.979456026	-6.16635	8.41E-07	8.80E-06	5.579992
ZNFX1	-0.547898	8.601496845	-5.21755	1.23E-05	8.68E-05	2.933883
TXLNA	-0.548314	11.20269164	-4.96114	2.54E-05	0.0001624	2.218575
MAPKBP1	-0.548569	7.711606495	-3.63592	0.0010168	0.0040251	-1.37083
DPM2	-0.548716	8.615968123	-5.8026	2.34E-06	2.10E-05	4.568441
PLEKHB2	-0.548959	8.230525129	-6.52095	3.13E-07	3.89E-06	6.558484
KLK13	-0.549512	7.215359238	-4.02756	0.0003491	0.0015921	-0.34023
TTLL4	-0.549582	7.279665018	-5.36279	8.12E-06	6.09E-05	3.339817
RUVBL2	-0.550092	9.135230337	-3.52913	0.0013539	0.005192	-1.64509
KCTD15	-0.550206	8.823535361	-7.16852	5.31E-08	9.00E-07	8.317883
C3orf52	-0.550587	9.015675311	-2.46004	0.0198095	0.053234	-4.15609
SIPA1	-0.550705	7.910467094	-5.58121	4.37E-06	3.56E-05	3.950362
FAM129B	-0.550729	9.500047011	-9.13135	3.31E-10	1.64E-08	13.3525
MAN2C1	-0.550831	8.218354178	-3.67868	0.000906	0.0036371	-1.26013
MAP3K9	-0.550947	6.797458033	-4.79755	4.03E-05	0.0002428	1.763803
COL9A2	-0.551147	6.946337682	-4.58565	7.34E-05	0.0004096	1.177681
CERS5	-0.551192	8.915986182	-5.22256	1.21E-05	8.58E-05	2.947881
PFKL	-0.551417	7.967406019	-10.1919	2.62E-11	2.66E-09	15.85883
FADD	-0.551469	9.620529415	-5.26596	1.07E-05	7.73E-05	3.069147
NAGLU	-0.551758	7.541102456	-6.05866	1.14E-06	1.14E-05	5.281203
KMT2B	-0.55213	8.058493862	-4.80458	3.95E-05	0.0002389	1.783315
PRPF8	-0.552624	11.137577	-5.46925	6.00E-06	4.70E-05	3.637419
MON1B	-0.553032	7.403655182	-5.90489	1.75E-06	1.64E-05	4.853503
TUBA4A	-0.5531	11.21202541	-2.91579	0.0066183	0.0208657	-3.14605
SGF29	-0.55316	7.888704196	-4.74743	4.65E-05	0.0002741	1.624825
SUMF2	-0.553874	10.12636402	-5.60156	4.13E-06	3.41E-05	4.007208
GLI4	-0.554809	7.138389396	-5.31006	9.43E-06	6.94E-05	3.192406
HLX	-0.554913	6.512763865	-4.53213	8.53E-05	0.0004681	1.030304
WAS	-0.555019	7.738817877	-4.01767	0.0003588	0.0016297	-0.36667
GOT2	-0.555348	11.06250451	-8.3194	2.55E-09	8.14E-08	11.33001
PCDHB19P	-0.555842	7.610108233	-2.63094	0.0132611	0.037754	-3.78974
C6orf47	-0.555977	9.005007959	-7.29126	3.81E-08	6.89E-07	8.646603
P3H4	-0.556291	8.095449412	-6.91291	1.06E-07	1.60E-06	7.628227
EEPD1	-0.55634	7.533919999	-4.92368	2.82E-05	0.0001778	2.114299
CD151	-0.556499	9.170010256	-5.14303	1.51E-05	0.0001038	2.725774
PPP1R14B	-0.556558	11.92003967	-6.01952	1.27E-06	1.25E-05	5.172434
DRD4	-0.556893	7.00749855	-3.77597	0.000696	0.0028839	-1.00647
SARS2	-0.557086	8.688664896	-4.5875	7.30E-05	0.0004079	1.182779
CYP2W1	-0.557257	6.818839429	-5.84106	2.10E-06	1.91E-05	4.675668
STAT6	-0.557288	9.445455235	-6.12479	9.45E-07	9.68E-06	5.464762
MOB3A	-0.557293	7.830763984	-7.82506	9.22E-09	2.22E-07	10.05606
NAPA	-0.557316	7.452332602	-6.01885	1.27E-06	1.25E-05	5.170584
ERGIC3	-0.557418	11.51329121	-4.29664	0.0001653	0.0008369	0.385917
BCAP31	-0.557636	12.23611975	-8.57664	1.32E-09	4.90E-08	11.98036
CDC42BPB	-0.557787	8.540692117	-4.97037	2.47E-05	0.0001589	2.244268
C6orf15	-0.558016	8.410355982	-3.00792	0.0052527	0.017065	-2.92986
PHLDB1	-0.558063	8.9234241	-2.7186	0.0107433	0.0314868	-3.59586

COX8A	-0.558922	13.21100744	-5.40123	7.28E-06	5.54E-05	3.447273
EEF2	-0.558951	14.21154649	-9.34225	1.98E-10	1.13E-08	13.86319
OPA3	-0.559875	7.232080547	-8.51732	1.54E-09	5.47E-08	11.83117
OGFOD3	-0.560265	7.456988732	-5.1997	1.29E-05	9.06E-05	2.884039
MAL	-0.560435	9.181613338	-2.67192	0.0120227	0.0346762	-3.6996
ZHX2	-0.560668	7.84873039	-5.32271	9.10E-06	6.73E-05	3.227754
NAA60	-0.560724	7.332749725	-7.87278	8.13E-09	2.00E-07	10.1804
TSR2	-0.560742	9.834391147	-8.80411	7.46E-10	3.08E-08	12.54808
MLF2	-0.560837	10.0115847	-4.65137	6.10E-05	0.0003476	1.359047
HEYL	-0.561187	7.304985363	-4.81846	3.80E-05	0.0002308	1.821851
TYRO3	-0.561208	9.5871616	-3.96701	0.0004126	0.0018391	-0.50182
RETSAT	-0.561214	9.412646235	-5.5886	4.28E-06	3.51E-05	3.971011
SSTR2	-0.561217	7.650858052	-2.29339	0.028932	0.0736489	-4.49742
TAS2R38	-0.561435	6.679371539	-8.13362	4.12E-09	1.13E-07	10.85494
HOXC9	-0.561592	7.24581903	-3.49416	0.0014862	0.0056383	-1.73419
PTP4A3	-0.56166	6.807314989	-6.08366	1.06E-06	1.07E-05	5.350611
PTCD1	-0.561841	9.146672197	-5.15185	1.48E-05	0.0001017	2.750394
CCND1	-0.56186	13.54591192	-5.04298	2.01E-05	0.0001326	2.446612
C15orf48	-0.562421	7.897987235	-2.86476	0.0075125	0.0232283	-3.26419
CUEDC1	-0.562914	8.556649627	-4.15345	0.0002463	0.0011747	-0.00205
SF1	-0.563195	7.169015457	-5.99033	1.38E-06	1.34E-05	5.091298
IL4R	-0.563414	8.088246255	-4.83159	3.66E-05	0.000223	1.858292
ZNF526	-0.563499	7.320385267	-4.29454	0.0001662	0.0008405	0.380223
BTC	-0.56351	8.44760954	-2.18098	0.037077	0.091225	-4.71817
SKIV2L	-0.563551	9.427330776	-5.89235	1.82E-06	1.69E-05	4.818596
TMC6	-0.563637	8.102157513	-4.83537	3.62E-05	0.0002212	1.868796
DNLZ	-0.563642	9.966840216	-4.24097	0.000193	0.0009569	0.234713
METTL16	-0.564365	7.882336477	-4.23779	0.0001948	0.0009649	0.226073
BSG	-0.564595	8.651151253	-6.01428	1.29E-06	1.27E-05	5.157872
CTC1	-0.564874	7.428852431	-5.81041	2.29E-06	2.07E-05	4.59022
SDF4	-0.564897	8.027389391	-6.75508	1.64E-07	2.30E-06	7.199151
SMAP2	-0.564948	9.184025995	-8.52088	1.53E-09	5.43E-08	11.84014
NCOR2	-0.565089	8.948216462	-8.51641	1.54E-09	5.47E-08	11.82888
CBX4	-0.565138	9.322268869	-2.58423	0.0148169	0.0414835	-3.89144
CTIF	-0.565479	7.513620641	-6.4644	3.66E-07	4.41E-06	6.403042
ADGRG1	-0.565581	9.838116257	-6.41538	4.20E-07	4.93E-06	6.268103
PRMT7	-0.565762	7.628004416	-5.67634	3.34E-06	2.83E-05	4.216087
NUDT16L1	-0.565875	9.282658447	-4.67865	5.65E-05	0.0003253	1.43445
TMEM204	-0.565891	6.451041612	-5.90724	1.74E-06	1.63E-05	4.860052
POLDIP3	-0.565902	8.469108344	-7.74888	1.13E-08	2.59E-07	9.857006
PRUNE1	-0.56599	8.241776863	-6.457	3.74E-07	4.49E-06	6.382686
ZNF319	-0.56603	8.38334251	-8.6566	1.08E-09	4.19E-08	12.18072
WFDC5	-0.566105	11.09003974	-4.70628	5.22E-05	0.0003033	1.510886
WDR73	-0.56654	8.138708824	-4.98489	2.37E-05	0.0001532	2.284713
FOXRED2	-0.566666	7.806356506	-6.16105	8.54E-07	8.88E-06	5.565295
NRSN2	-0.566744	7.105854898	-4.71219	5.13E-05	0.000299	1.527231
LMNA	-0.567008	11.41940537	-6.55785	2.83E-07	3.60E-06	6.659753
FAM46A	-0.567193	11.19156291	-3.03744	0.0048749	0.0159771	-2.85983
HYPK	-0.567522	9.073127821	-3.9174	0.0004728	0.0020726	-0.63365
TRPC4AP	-0.567645	9.444042973	-5.92388	1.66E-06	1.56E-05	4.906394
SMAD3	-0.567661	8.743972208	-5.27833	1.03E-05	7.50E-05	3.103733
ALKBH5	-0.567673	12.52730992	-10.2092	2.52E-11	2.60E-09	15.89837
AHNAK2	-0.567777	13.2964548	-3.38593	0.0019795	0.0072737	-2.0075
CTNNBIP1	-0.567853	10.32839539	-5.19602	1.30E-05	9.15E-05	2.873764
SLC12A4	-0.568298	7.374675287	-4.0828	0.0002996	0.0013894	-0.19219
EFNB1	-0.56835	9.139948356	-6.31566	5.54E-07	6.21E-06	5.993078
ADPRHL2	-0.56842	9.381303903	-6.73059	1.76E-07	2.43E-06	7.132339
ZFAND3	-0.568666	8.231354503	-9.17681	2.96E-10	1.53E-08	13.4631
CNN2	-0.568744	8.241388889	-4.99049	2.33E-05	0.0001512	2.300318

ASAP3	-0.568791	10.79926749	-5.64978	3.60E-06	3.03E-05	4.141903
SLC3A2	-0.568889	8.315456303	-3.29224	0.0025308	0.0090046	-2.241
USB1	-0.568907	7.868787715	-5.07302	1.85E-05	0.000123	2.530411
TM9SF4	-0.569404	9.937476272	-4.13823	0.000257	0.0012179	-0.04307
MDH2	-0.569506	13.84731833	-9.29576	2.21E-10	1.23E-08	13.75114
PRRT3	-0.570112	7.090592552	-5.43444	6.63E-06	5.11E-05	3.540098
MYO9B	-0.570287	7.690581026	-7.37011	3.09E-08	5.80E-07	8.856892
PLEKHJ1	-0.57038	7.629614559	-5.49891	5.52E-06	4.35E-05	3.720339
ITFG2	-0.570696	8.861676378	-6.88584	1.15E-07	1.70E-06	7.554787
FRZB	-0.57115	7.222199751	-3.22039	0.0030506	0.0105899	-2.41798
GBF1	-0.571197	8.37255946	-6.37545	4.69E-07	5.41E-06	6.158072
VARS2	-0.571561	8.987203334	-5.43218	6.67E-06	5.14E-05	3.533784
TRAPPC6A	-0.571924	9.155105126	-3.87446	0.0005319	0.0022932	-0.74731
AP5S1	-0.572207	7.518370388	-4.82569	3.72E-05	0.0002265	1.841917
CCDC124	-0.572322	8.022389738	-4.76163	4.46E-05	0.000265	1.664195
RPRML	-0.572374	8.30908052	-3.46531	0.0016046	0.0060415	-1.80739
C16orf70	-0.572435	8.101879377	-6.719	1.81E-07	2.50E-06	7.100718
TNFAIP8L1	-0.572685	7.663887961	-4.80254	3.98E-05	0.0002399	1.777638
ARFGAP1	-0.573138	7.622489814	-6.88611	1.15E-07	1.70E-06	7.555524
EIF4EBP2	-0.573235	9.500635879	-9.25671	2.44E-10	1.31E-08	13.65678
TATDN2	-0.573694	8.715432231	-6.47225	3.58E-07	4.33E-06	6.424641
DCAKD	-0.573795	10.81242945	-3.46249	0.0016167	0.0060799	-1.81454
PSEN2	-0.574003	7.596316803	-7.06737	6.99E-08	1.13E-06	8.045776
ZNF609	-0.574405	7.697208448	-5.45537	6.24E-06	4.86E-05	3.598608
SHB	-0.574513	8.063949777	-6.23113	7.02E-07	7.56E-06	5.759377
SDF2L1	-0.574557	10.43743351	-4.69025	5.46E-05	0.0003156	1.466529
FCRLA	-0.574563	6.307063706	-4.49351	9.51E-05	0.0005143	0.924173
PIAS3	-0.575128	8.318626563	-7.54611	1.93E-08	3.99E-07	9.323701
B3GAT3	-0.575243	7.852143302	-5.01592	2.17E-05	0.0001418	2.371173
CCNI	-0.575419	13.42103061	-7.24899	4.27E-08	7.55E-07	8.533584
UBIAD1	-0.575715	8.115615181	-5.54884	4.79E-06	3.85E-05	3.859901
JUND	-0.575743	14.05488311	-3.30435	0.002452	0.0087514	-2.21097
ARHGAP31	-0.575843	6.97462274	-8.74883	8.57E-10	3.45E-08	12.41076
GTF3C2	-0.576055	9.523461623	-8.36523	2.27E-09	7.44E-08	11.44653
EHD2	-0.576073	7.115224555	-5.28622	1.01E-05	7.35E-05	3.125785
MICALL1	-0.576504	8.650767695	-4.97879	2.41E-05	0.0001555	2.267739
PDXP	-0.576525	8.364289273	-4.6671	5.83E-05	0.0003346	1.402519
POLDIP2	-0.577274	8.317151497	-6.05888	1.14E-06	1.14E-05	5.281816
CABIN1	-0.577338	7.411345622	-5.05932	1.92E-05	0.0001272	2.4922
ATP2C2	-0.57739	8.143152615	-2.80929	0.008613	0.026119	-3.39126
TDRD1	-0.577405	8.204931471	-2.93984	0.0062327	0.0198336	-3.08999
C1orf115	-0.577484	7.597632008	-4.40302	0.0001227	0.0006462	0.676123
ZNF629	-0.577858	7.376048017	-8.26113	2.96E-09	9.04E-08	11.18149
MAPK13	-0.577883	11.9494927	-5.04928	1.98E-05	0.0001305	2.46418
POLR3H	-0.578402	7.888782771	-6.24389	6.77E-07	7.35E-06	5.794694
POMZP3	-0.578703	7.46154091	-2.66236	0.0123015	0.0353594	-3.7207
HIST2H2BE	-0.578956	9.079133761	-2.49024	0.0184701	0.0501134	-4.09251
PKNOX2	-0.579053	6.534602593	-9.34645	1.96E-10	1.13E-08	13.87329
TUFT1	-0.579163	11.6369304	-5.25454	1.10E-05	7.95E-05	3.037247
SLC8B1	-0.57961	8.947992227	-6.5177	3.16E-07	3.92E-06	6.549543
LRRC8E	-0.579781	8.122221418	-6.13163	9.27E-07	9.53E-06	5.483726
SLC10A3	-0.580189	9.742555663	-9.15297	3.14E-10	1.59E-08	13.40512
IMPA2	-0.580317	12.94339168	-6.96752	9.17E-08	1.42E-06	7.776135
COQ8B	-0.580729	7.917512079	-6.82605	1.35E-07	1.95E-06	7.392363
PGP	-0.580905	7.118822047	-5.88597	1.85E-06	1.72E-05	4.800811
EPHX1	-0.581058	7.486797199	-3.71903	0.0008123	0.0033012	-1.15521
ARL4D	-0.581336	8.064447043	-3.92729	0.0004602	0.0020221	-0.60739
MAN1C1	-0.581565	7.676367241	-4.72131	5.00E-05	0.0002925	1.55248
HACD4	-0.58161	8.77044223	-2.4236	0.0215434	0.0572358	-4.23211

TRAPPC5	-0.581655	11.35647016	-4.52901	8.61E-05	0.0004717	1.021717
NUDT22	-0.581714	8.640877621	-5.77696	2.51E-06	2.23E-05	4.496939
TUBB4A	-0.581727	6.469125644	-6.16534	8.43E-07	8.81E-06	5.577173
FAM189A2	-0.581775	8.493383217	-3.3261	0.0023164	0.0083363	-2.15695
DNPEP	-0.58184	7.95172534	-5.42924	6.72E-06	5.18E-05	3.525564
EIF3B	-0.581933	10.99466316	-8.95681	5.10E-10	2.31E-08	12.92527
SARM1	-0.58205	6.92003572	-6.53313	3.03E-07	3.79E-06	6.591908
POMGNT1	-0.582112	9.658673737	-4.67549	5.70E-05	0.0003278	1.425697
FAM63A	-0.583349	8.697601594	-2.80307	0.0087455	0.0264545	-3.40542
VKORC1	-0.583457	10.43268121	-4.14789	0.0002501	0.0011894	-0.01702
UQCRC1	-0.583501	11.37226623	-5.63738	3.73E-06	3.12E-05	4.107275
CHST14	-0.583605	7.409609366	-5.7396	2.79E-06	2.44E-05	4.392694
PNPLA7	-0.584078	9.790307991	-3.04922	0.0047314	0.0155853	-2.83176
PSMD3	-0.584106	8.439313815	-6.67514	2.05E-07	2.76E-06	6.98094
RNPEPL1	-0.584456	7.115878245	-5.90366	1.76E-06	1.65E-05	4.85009
RBM38	-0.584845	7.252651353	-7.19676	4.92E-08	8.47E-07	8.393672
DDX49	-0.584926	7.452604712	-5.55375	4.73E-06	3.80E-05	3.8736
ZBTB47	-0.585072	7.083150243	-4.9924	2.32E-05	0.0001505	2.305657
SGSM1	-0.585313	6.926458279	-9.02043	4.36E-10	2.03E-08	13.08146
MLLT6	-0.585402	9.119898708	-6.71623	1.83E-07	2.51E-06	7.093155
WBP1	-0.585573	8.994538398	-5.42687	6.77E-06	5.21E-05	3.518945
TMEM134	-0.585638	11.537296	-6.03039	1.23E-06	1.22E-05	5.202642
VPS39	-0.585802	8.126359506	-5.07505	1.84E-05	0.0001224	2.53606
PINK1	-0.586048	8.641003234	-6.79807	1.46E-07	2.08E-06	7.316237
HYOU1	-0.586856	7.806089702	-7.78198	1.03E-08	2.42E-07	9.943582
ZFHX3	-0.587187	7.527160682	-4.29172	0.0001675	0.0008456	0.372535
PSMD2	-0.58722	10.52902139	-8.62775	1.16E-09	4.42E-08	12.10854
FAM102A	-0.587403	8.435877667	-5.55357	4.73E-06	3.80E-05	3.873101
NOSIP	-0.587446	10.60893193	-5.24854	1.12E-05	8.05E-05	3.020466
C12orf57	-0.587947	12.37772895	-3.2409	0.0028926	0.0101138	-2.36764
ARHGAP44	-0.588102	7.276204733	-3.29965	0.0024823	0.0088504	-2.22262
CDC42EP5	-0.588476	8.307992622	-2.78478	0.009146	0.0274225	-3.44696
DPF2	-0.588521	9.486455699	-6.57891	2.67E-07	3.43E-06	6.717519
CCDC92	-0.589089	8.743585428	-5.27115	1.05E-05	7.64E-05	3.083649
TRIP6	-0.589165	10.90664443	-5.80021	2.35E-06	2.11E-05	4.561789
PLIN3	-0.590055	12.16219361	-5.6092	4.04E-06	3.34E-05	4.028555
SLC25A39	-0.590137	11.76233682	-7.20168	4.86E-08	8.41E-07	8.406867
CPSF1	-0.590293	8.561095333	-5.6689	3.41E-06	2.88E-05	4.195318
ATG9A	-0.59045	8.290564796	-7.75094	1.12E-08	2.58E-07	9.862383
KCTD13	-0.590557	8.537328683	-6.79945	1.45E-07	2.07E-06	7.320004
ACSF2	-0.59084	7.095688559	-6.6692	2.08E-07	2.79E-06	6.964698
CD82	-0.590894	8.801060373	-5.15509	1.46E-05	0.000101	2.759437
TNFAIP8L3	-0.591875	9.588834447	-4.1868	0.0002245	0.0010872	0.088032
GCGR	-0.59199	7.181291068	-2.86175	0.0075687	0.023387	-3.27112
GAPDH	-0.592031	12.69650477	-5.3319	8.86E-06	6.58E-05	3.253442
ARF5	-0.592075	12.05876219	-5.62725	3.84E-06	3.20E-05	4.078969
PARP10	-0.592279	7.477878634	-6.24442	6.76E-07	7.34E-06	5.796143
ITPK1	-0.592416	7.793885434	-5.19318	1.31E-05	9.21E-05	2.865823
ACO2	-0.592486	7.986434317	-5.38281	7.67E-06	5.79E-05	3.39576
VPS52	-0.592551	9.267265666	-8.17307	3.72E-09	1.05E-07	10.95619
UBAP2	-0.592713	8.070060137	-7.30499	3.68E-08	6.69E-07	8.683276
CKB	-0.593748	10.75716092	-5.42694	6.77E-06	5.21E-05	3.519143
NPHP4	-0.59412	7.705501138	-4.24601	0.0001904	0.0009459	0.248362
CD1A	-0.594609	11.24488276	-2.41847	0.0217984	0.0578025	-4.24275
METTL2A	-0.594611	7.594490846	-6.23575	6.93E-07	7.48E-06	5.772159
ABHD4	-0.594813	7.330210202	-7.62561	1.56E-08	3.36E-07	9.53338
TEX261	-0.594874	7.904573379	-5.31872	9.20E-06	6.79E-05	3.216602
PI4KB	-0.595327	9.455954929	-7.5807	1.76E-08	3.71E-07	9.415021
GRAMD1A	-0.595337	7.559786841	-5.82689	2.18E-06	1.98E-05	4.636177

CASZ1	-0.596028	8.969408394	-5.21349	1.24E-05	8.76E-05	2.922558
STRN4	-0.596183	7.475876321	-7.77111	1.06E-08	2.47E-07	9.915178
B3GNT4	-0.596365	7.131399403	-6.43093	4.02E-07	4.75E-06	6.310941
B4GALT7	-0.596576	8.912813602	-6.15871	8.59E-07	8.93E-06	5.558806
TLE2	-0.596985	7.953196363	-3.66481	0.0009406	0.0037573	-1.2961
MISP3	-0.59707	7.617693502	-5.53806	4.94E-06	3.95E-05	3.829754
SALL2	-0.597388	7.231443352	-6.29462	5.88E-07	6.53E-06	5.934954
DNAJC5	-0.597643	7.792542168	-6.74924	1.67E-07	2.33E-06	7.183205
PTGES2	-0.598472	9.330083654	-5.97106	1.45E-06	1.40E-05	5.037678
PAQR7	-0.599067	9.874223995	-5.75177	2.70E-06	2.38E-05	4.426645
KRT6B	-0.599074	12.88147084	-2.87149	0.0073884	0.0228993	-3.24868
MFN2	-0.59958	10.08123368	-5.87068	1.93E-06	1.78E-05	4.758206
ITM2C	-0.599806	8.121445496	-3.04307	0.0048058	0.0157875	-2.84642
BLCAP	-0.599862	10.67210223	-7.96087	6.46E-09	1.64E-07	10.40917
TTPAL	-0.600159	8.782770742	-4.70573	5.23E-05	0.0003036	1.509342
GJB3	-0.600475	8.145794191	-10.2115	2.51E-11	2.60E-09	15.90365
NECTIN2	-0.600985	7.794820195	-5.97241	1.45E-06	1.39E-05	5.041446
FAM117A	-0.601086	6.776197564	-6.4667	3.64E-07	4.39E-06	6.409357
TCF3	-0.601086	8.351799548	-7.9764	6.20E-09	1.58E-07	10.44938
MALL	-0.601457	10.51169309	-4.35639	0.0001398	0.0007227	0.548739
RUSC1	-0.601759	11.40446834	-8.0975	4.52E-09	1.23E-07	10.76205
EIF3F	-0.601921	12.69657506	-7.40982	2.77E-08	5.31E-07	8.962515
TRAPPC9	-0.602234	7.270553551	-6.69131	1.96E-07	2.64E-06	7.025102
PTRH1	-0.60229	8.851649819	-4.72145	5.00E-05	0.0002925	1.552858
ICAM3	-0.602342	8.179758583	-3.32486	0.0023239	0.0083588	-2.16003
TSTA3	-0.602473	9.802371626	-3.90774	0.0004855	0.0021195	-0.65925
P4HB	-0.602776	12.62259244	-7.42985	2.63E-08	5.10E-07	9.015743
TSSC4	-0.60286	10.07586492	-4.94501	2.66E-05	0.0001692	2.173666
PLXNA3	-0.603282	7.488445676	-5.15761	1.45E-05	0.0001004	2.766474
TMEM39B	-0.603399	8.70215263	-5.70444	3.08E-06	2.65E-05	4.29455
LHPP	-0.603616	9.468611809	-4.28756	0.0001695	0.0008546	0.361229
INO80B	-0.603819	7.94501075	-6.83418	1.32E-07	1.92E-06	7.414477
CCDC106	-0.604199	8.544041416	-5.95175	1.54E-06	1.46E-05	4.983964
MAP3K6	-0.604291	11.03077077	-4.75794	4.51E-05	0.0002672	1.65396
C2orf54	-0.604599	7.039612089	-5.34403	8.56E-06	6.39E-05	3.287353
SLC52A2	-0.604668	9.530930141	-5.9019	1.77E-06	1.65E-05	4.845172
GPR108	-0.605354	8.821894173	-7.10313	6.34E-08	1.05E-06	8.142103
KLHDC3	-0.605724	10.70404476	-6.1075	9.92E-07	1.01E-05	5.416778
SAMD1	-0.605861	7.376518313	-6.79331	1.48E-07	2.10E-06	7.303278
HMOX1	-0.60607	7.875570357	-2.29345	0.0289285	0.0736489	-4.49731
MYO1C	-0.606076	7.666344307	-9.72964	7.78E-11	5.66E-09	14.78535
TMEM125	-0.606121	8.724508972	-5.08849	1.77E-05	0.0001185	2.573567
ZNF512B	-0.606274	8.067504738	-9.35464	1.92E-10	1.11E-08	13.893
ZNF773	-0.606299	8.401512455	-5.55765	4.67E-06	3.77E-05	3.884516
MRAP2	-0.606526	7.404061458	-4.01631	0.0003601	0.0016343	-0.37032
UBAP2L	-0.607048	9.25835251	-6.81948	1.38E-07	1.98E-06	7.374517
SH3GLB2	-0.607216	12.6481916	-6.75855	1.63E-07	2.28E-06	7.208588
ADD1	-0.607285	9.50979752	-8.43229	1.91E-09	6.49E-08	11.6165
EFNA3	-0.607344	6.969635423	-6.4017	4.36E-07	5.09E-06	6.230408
NAGPA	-0.607515	8.560021625	-7.76557	1.08E-08	2.50E-07	9.900664
AP1B1	-0.607929	8.37889951	-6.71467	1.83E-07	2.52E-06	7.08891
JAM3	-0.608105	7.86862033	-3.66728	0.0009344	0.0037373	-1.2897
NUP188	-0.608851	8.587787496	-6.99888	8.42E-08	1.32E-06	7.860924
PELI3	-0.608942	7.452489106	-5.71217	3.02E-06	2.60E-05	4.316114
PTK7	-0.609052	7.620009203	-6.95189	9.57E-08	1.47E-06	7.733834
RAI1	-0.609058	8.210532547	-6.28832	5.98E-07	6.62E-06	5.917542
TSPAN9	-0.609172	11.8152124	-8.31863	2.56E-09	8.14E-08	11.32806
EFNA4	-0.60922	9.123823808	-8.04872	5.13E-09	1.35E-07	10.63632
CLN6	-0.609494	7.414595259	-5.4846	5.75E-06	4.51E-05	3.680323

OTUB1	-0.609704	8.07836437	-7.67523	1.37E-08	3.03E-07	9.663867
HSD17B14	-0.609862	6.308005283	-7.59851	1.68E-08	3.56E-07	9.461999
UBN2	-0.609992	8.041249402	-3.75216	0.0007425	0.0030545	-1.06876
TSR3	-0.610345	8.146984385	-4.01199	0.0003645	0.0016524	-0.38186
FAM53B	-0.610374	7.987671342	-6.38886	4.52E-07	5.25E-06	6.195029
TKT	-0.610562	11.54112982	-4.63151	6.45E-05	0.0003651	1.304189
PELP1	-0.610608	8.670960835	-5.32025	9.16E-06	6.78E-05	3.220889
GID8	-0.61074	11.56804198	-5.71271	3.01E-06	2.60E-05	4.317644
IFNLR1	-0.610849	8.384595926	-4.98902	2.34E-05	0.0001516	2.29622
GCAT	-0.610869	8.238510653	-3.7891	0.0006715	0.0027965	-0.97205
DDX56	-0.610878	10.14624205	-6.70948	1.86E-07	2.54E-06	7.074737
RRAS	-0.61101	9.792623973	-4.02656	0.0003501	0.0015954	-0.34291
S1PR5	-0.611018	9.878968067	-5.83635	2.13E-06	1.94E-05	4.662538
ZNF768	-0.611336	6.931293714	-7.66392	1.41E-08	3.11E-07	9.634156
EDC4	-0.611514	10.24581055	-6.45092	3.80E-07	4.54E-06	6.365943
SLC22A23	-0.611605	9.569174142	-4.10447	0.0002822	0.0013204	-0.13396
TMEM214	-0.611997	7.891151417	-6.21978	7.24E-07	7.73E-06	5.727969
NDST2	-0.612005	8.943986123	-7.44997	2.49E-08	4.90E-07	9.069155
NCS1	-0.6121	9.111702166	-4.2763	0.0001749	0.0008789	0.330616
RALY	-0.612127	10.5014204	-8.17671	3.68E-09	1.05E-07	10.96552
TNS4	-0.612234	7.698804006	-5.04716	1.99E-05	0.0001312	2.45828
ZNF707	-0.612453	7.127983029	-5.98743	1.39E-06	1.35E-05	5.083216
DDIT4	-0.612848	10.26866762	-2.49907	0.0180946	0.0492392	-4.07383
TMEM175	-0.612949	9.451348784	-7.36435	3.13E-08	5.86E-07	8.841557
P3H3	-0.613271	6.798984222	-6.908	1.08E-07	1.62E-06	7.61491
AP1M1	-0.613581	9.980414479	-6.28364	6.06E-07	6.68E-06	5.904606
ATAD3A	-0.613944	8.304745614	-5.5169	5.24E-06	4.16E-05	3.770606
PTPRF	-0.614014	11.80684651	-3.9454	0.0004378	0.0019353	-0.55929
ENDOG	-0.614256	8.752020256	-5.16701	1.41E-05	9.81E-05	2.792747
PIAS4	-0.614463	10.35294879	-9.7201	7.96E-11	5.74E-09	14.76288
MIB2	-0.61451	9.034909533	-6.16613	8.41E-07	8.80E-06	5.57938
C10orf35	-0.615825	8.04287142	-4.99597	2.30E-05	0.0001491	2.3156
RBP1	-0.616063	10.69654629	-3.06111	0.0045907	0.0151941	-2.8034
RAB11FIP1	-0.616151	8.941372064	-3.44895	0.0016758	0.0062803	-1.8488
CYC1	-0.61657	12.32963789	-8.01592	5.59E-09	1.46E-07	10.55162
DGCR14	-0.616697	7.843243967	-7.02122	7.92E-08	1.25E-06	7.921277
RFNG	-0.616926	7.862540345	-8.38108	2.18E-09	7.22E-08	11.48675
TMEM205	-0.616993	11.76330703	-6.21566	7.33E-07	7.82E-06	5.716569
COPE	-0.617057	10.16324167	-4.44868	0.0001079	0.0005758	0.801169
PRSS3	-0.617065	11.25634989	-4.67342	5.73E-05	0.0003294	1.419983
VASN	-0.617297	8.156067572	-2.64069	0.0129563	0.0370167	-3.76838
SLC25A23	-0.617361	10.91349153	-6.47883	3.52E-07	4.26E-06	6.442717
PEX6	-0.61755	7.421035973	-2.8599	0.0076034	0.0234591	-3.27538
EMD	-0.617694	11.30963602	-7.8602	8.40E-09	2.05E-07	10.14764
ARSF	-0.617849	7.250979354	-3.63583	0.001017	0.0040252	-1.37106
HSD11B2	-0.619643	8.203216562	-3.4537	0.0016548	0.0062124	-1.83678
SCAP	-0.620399	10.83948252	-6.12461	9.45E-07	9.68E-06	5.464248
CHRM1	-0.620408	6.584365433	-6.25036	6.65E-07	7.24E-06	5.812577
ENO2	-0.620409	7.413812832	-5.31284	9.35E-06	6.90E-05	3.200164
TIMP2	-0.621332	7.240374578	-7.9757	6.21E-09	1.59E-07	10.44757
EGLN3	-0.621579	8.194925284	-3.92159	0.0004674	0.0020517	-0.62254
NAXE	-0.621597	10.75494977	-3.98424	0.0003934	0.0017677	-0.45591
DDX51	-0.622042	9.781369547	-4.61624	6.73E-05	0.0003793	1.262057
MSRA	-0.622049	8.782846354	-4.83969	3.58E-05	0.0002187	1.880782
COL5A3	-0.622117	7.467771126	-5.3625	8.12E-06	6.09E-05	3.338994
CDC34	-0.62228	8.424904354	-5.72164	2.94E-06	2.55E-05	4.342553
SCAMP3	-0.622326	9.043715751	-6.9553	9.48E-08	1.45E-06	7.743048
RNF126	-0.622735	9.316597187	-9.19344	2.84E-10	1.48E-08	13.50349
TRIM11	-0.622784	7.641326658	-6.71651	1.82E-07	2.51E-06	7.093923

ZC3H10	-0.62281	7.711938755	-6.58484	2.62E-07	3.38E-06	6.733772
WDR82	-0.622858	10.36683725	-6.82679	1.35E-07	1.95E-06	7.394386
IPO13	-0.623196	8.119219254	-4.90131	3.01E-05	0.0001881	2.052073
VANGL2	-0.623263	9.723679215	-4.5526	8.06E-05	0.0004449	1.086652
CALM3	-0.623892	11.70737126	-9.11079	3.49E-10	1.71E-08	13.3024
CHCHD10	-0.623991	10.38372304	-3.38762	0.0019707	0.0072455	-2.00326
FBXL16	-0.624181	8.283261755	-6.07317	1.09E-06	1.10E-05	5.321483
FAT2	-0.624314	8.980308961	-3.72707	0.0007948	0.0032375	-1.13425
CYB5R3	-0.624791	9.851570853	-13.707	1.58E-14	2.79E-11	23.11358
CLPTM1L	-0.625123	10.21931904	-8.46398	1.76E-09	6.11E-08	11.69661
TMBIM1	-0.62519	10.30811835	-4.0945	0.0002901	0.00135	-0.16077
CST6	-0.625477	10.51436292	-3.29314	0.0025249	0.0089851	-2.23877
PTDSS2	-0.625798	7.62478596	-6.16785	8.37E-07	8.77E-06	5.584134
GPX4	-0.625916	12.15761127	-4.39431	0.0001257	0.0006588	0.652328
ISL1	-0.626059	7.482728528	-3.15933	0.0035713	0.0122008	-2.56688
RPRD2	-0.626546	7.83283218	-5.32407	9.06E-06	6.71E-05	3.231556
IQSEC2	-0.62668	7.380538972	-7.31505	3.58E-08	6.54E-07	8.710114
BEST2	-0.626808	6.937511783	-4.5998	7.05E-05	0.0003952	1.216697
GALK1	-0.62701	10.90744626	-4.7685	4.38E-05	0.0002605	1.68323
MFS3	-0.627115	10.20784705	-4.65023	6.12E-05	0.0003485	1.355901
TBC1D2B	-0.627189	8.848377396	-5.30349	9.61E-06	7.04E-05	3.174049
TWF2	-0.627302	9.062566987	-5.0267	2.11E-05	0.000138	2.401234
HNRNPUL1	-0.627564	10.85833738	-7.81642	9.43E-09	2.25E-07	10.03352
CNOT3	-0.627629	7.964130083	-4.82761	3.70E-05	0.0002253	1.847236
ZDHHC18	-0.627635	8.310248493	-8.10817	4.40E-09	1.20E-07	10.7895
PDPR	-0.627706	7.804888126	-6.02283	1.26E-06	1.24E-05	5.181656
RANGAP1	-0.628091	11.79347274	-9.13775	3.26E-10	1.63E-08	13.36809
FBXW9	-0.628622	8.939115076	-4.12783	0.0002645	0.0012484	-0.07109
TERF2	-0.628774	8.713648643	-6.53163	3.04E-07	3.80E-06	6.587791
GLB1L2	-0.629173	7.256291782	-4.8767	3.22E-05	0.0001997	1.98362
PMP3A	-0.629237	9.818075734	-7.55476	1.88E-08	3.91E-07	9.346561
METRN	-0.629562	6.580975685	-5.20665	1.26E-05	8.91E-05	2.903447
ZSWIM8	-0.629571	9.256513931	-4.66171	5.92E-05	0.0003385	1.387619
CC2D1A	-0.629769	7.387741349	-6.65502	2.16E-07	2.88E-06	6.925918
TSPAN14	-0.630046	7.705525926	-6.39958	4.39E-07	5.12E-06	6.224584
FICD	-0.630193	7.4415347	-6.88974	1.13E-07	1.69E-06	7.56539
GMIP	-0.6303	7.324854958	-8.21207	3.36E-09	9.87E-08	11.05609
GNL3L	-0.630519	9.445687414	-3.67907	0.0009051	0.003634	-1.25911
CYP4B1	-0.630901	7.175256511	-3.90956	0.0004831	0.0021124	-0.65442
WNT10A	-0.63093	7.869334119	-4.15092	0.0002481	0.0011812	-0.00886
ELMO3	-0.630994	9.309406796	-7.18491	5.08E-08	8.66E-07	8.361891
DRG2	-0.631613	8.580171508	-5.97466	1.44E-06	1.39E-05	5.047711
OLFM2	-0.632132	7.23347725	-4.77499	4.30E-05	0.0002565	1.701224
LRR61	-0.63268	6.699391629	-6.95749	9.43E-08	1.45E-06	7.74899
HIST1H4C	-0.632759	14.03109178	-5.18702	1.34E-05	9.33E-05	2.848622
ASMTL	-0.632869	8.66520494	-5.25449	1.10E-05	7.95E-05	3.037093
ABCA3	-0.632927	7.310291365	-5.75126	2.70E-06	2.38E-05	4.42522
TMEM179B	-0.633168	12.27023872	-7.98412	6.08E-09	1.56E-07	10.46936
MEF2D	-0.633299	9.310638481	-5.58709	4.30E-06	3.52E-05	3.96679
ZNF579	-0.634225	6.712392991	-7.37167	3.07E-08	5.78E-07	8.861048
SLCO4A1	-0.634283	7.510305194	-5.11844	1.62E-05	0.00011	2.657129
ADRM1	-0.634283	10.04239396	-5.74345	2.76E-06	2.42E-05	4.403437
NUP214	-0.634572	9.334869805	-8.25824	2.99E-09	9.09E-08	11.17412
DHRS3	-0.634575	10.36522915	-7.72005	1.22E-08	2.75E-07	9.781476
RAB5B	-0.63486	12.33625339	-9.53906	1.23E-10	8.05E-09	14.33425
ARIP1	-0.634869	7.974944845	-5.36331	8.11E-06	6.09E-05	3.341269
PPAN	-0.635125	8.536013687	-6.07401	1.09E-06	1.10E-05	5.32383
SHARPIN	-0.635219	7.788003511	-5.12779	1.58E-05	0.0001077	2.683239
USP19	-0.635363	7.027694224	-7.6309	1.54E-08	3.33E-07	9.54731

ZNF775	-0.635368	7.068205615	-7.15893	5.45E-08	9.21E-07	8.292143
PPARGC1B	-0.635803	7.540543242	-3.55401	0.0012668	0.0048951	-1.58149
PLEKHH3	-0.635807	9.134729792	-5.58554	4.32E-06	3.53E-05	3.96244
MICAL1	-0.63684	8.184460936	-6.7653	1.60E-07	2.25E-06	7.227005
SCD	-0.636902	9.643839829	-3.15632	0.003599	0.0122803	-2.57419
ABCF3	-0.637236	7.851763374	-7.00809	8.21E-08	1.30E-06	7.885817
SLC27A3	-0.637285	9.559678085	-5.92124	1.67E-06	1.57E-05	4.899037
COX19	-0.637875	8.852465061	-3.9775	0.0004008	0.001795	-0.47388
SLC2A8	-0.637893	9.188968476	-6.12967	9.32E-07	9.57E-06	5.478292
SMPD1	-0.638622	7.213128679	-7.72269	1.21E-08	2.74E-07	9.788412
TPCN2	-0.638627	7.928763626	-5.12163	1.61E-05	0.0001092	2.66605
RELB	-0.638753	7.629704653	-5.30481	9.57E-06	7.02E-05	3.177722
VSIG10L	-0.638904	7.974700811	-3.37246	0.002051	0.0075064	-2.04125
PTK6	-0.639215	10.32331718	-6.38218	4.60E-07	5.33E-06	6.176619
SLC27A5	-0.639579	7.471002138	-4.56036	7.88E-05	0.0004359	1.108008
AKR7A2	-0.640453	11.40108329	-6.48856	3.43E-07	4.16E-06	6.469466
GP1BB	-0.640456	11.76073184	-3.23142	0.0029646	0.0103395	-2.39092
MPND	-0.640878	7.547320747	-4.92395	2.82E-05	0.0001777	2.115044
FBXW4	-0.641141	9.969523623	-8.96016	5.06E-10	2.29E-08	12.9335
NXPH4	-0.641153	6.860041682	-7.36757	3.11E-08	5.83E-07	8.850127
HSD17B1	-0.641416	8.458290443	-4.51985	8.83E-05	0.0004826	0.996552
ZBTB20	-0.641551	8.24282558	-5.08667	1.78E-05	0.000119	2.568473
LDLRAP1	-0.641587	8.086940875	-7.18732	5.05E-08	8.63E-07	8.36834
CDC42EP4	-0.641709	11.91401894	-4.61836	6.69E-05	0.0003773	1.267892
TUT1	-0.641795	7.771389844	-6.50028	3.32E-07	4.06E-06	6.501692
SERTAD1	-0.642615	10.84938108	-2.33157	0.0265579	0.068404	-4.42069
VPS4A	-0.64268	8.458189872	-5.46408	6.09E-06	4.75E-05	3.622969
SLC7A4	-0.643006	6.890911757	-5.36455	8.08E-06	6.07E-05	3.34472
LONP1	-0.643533	9.94705833	-8.03751	5.29E-09	1.39E-07	10.6074
ACP5	-0.643882	8.126996254	-5.14509	1.51E-05	0.0001033	2.731517
CPSF3L	-0.643914	8.052477062	-6.94254	9.82E-08	1.50E-06	7.70852
TFE3	-0.64413	7.593326013	-6.02215	1.26E-06	1.24E-05	5.179752
BCL9	-0.644334	7.969883979	-9.61461	1.02E-10	7.02E-09	14.51366
SLC2A1	-0.645228	12.31025886	-4.49169	9.56E-05	0.0005166	0.919157
NEIL2	-0.645326	9.034371117	-6.38484	4.57E-07	5.29E-06	6.183956
CCDC22	-0.645499	7.448348768	-6.08187	1.07E-06	1.07E-05	5.345641
PNPLA2	-0.645795	7.997120183	-6.222	7.20E-07	7.70E-06	5.734124
PACS2	-0.645932	7.224789802	-7.53575	1.98E-08	4.06E-07	9.296323
MOV10	-0.645953	9.338188258	-6.42534	4.08E-07	4.81E-06	6.295546
TGFBRAP1	-0.64604	8.226602505	-4.92936	2.78E-05	0.0001754	2.130091
STOML1	-0.646213	7.325401288	-6.81669	1.39E-07	1.99E-06	7.366911
PDK2	-0.646443	7.024126111	-6.55335	2.86E-07	3.64E-06	6.647399
PLEKHG6	-0.646653	8.115245815	-6.61405	2.42E-07	3.15E-06	6.813788
PLSCR3	-0.647115	11.4015326	-8.05119	5.10E-09	1.34E-07	10.6427
LYPLA2	-0.647213	8.257776713	-7.44327	2.54E-08	4.96E-07	9.051378
SLC4A2	-0.647786	7.692957358	-6.279	6.14E-07	6.75E-06	5.891764
TRPM4	-0.647864	9.776785101	-7.29813	3.74E-08	6.78E-07	8.664953
GJB5	-0.647956	7.946700961	-6.17976	8.10E-07	8.51E-06	5.617148
MED26	-0.648007	7.596391793	-5.64669	3.63E-06	3.05E-05	4.133272
ANXA11	-0.648061	7.888001417	-8.88054	6.17E-10	2.69E-08	12.73727
ZBTB16	-0.648256	7.293756989	-2.80433	0.0087184	0.0263892	-3.40255
IL37	-0.648351	8.233211374	-2.37501	0.024072	0.06292	-4.3323
KLK5	-0.648486	10.5463838	-3.41588	0.0018291	0.0067735	-1.93223
STUB1	-0.648912	10.35761208	-6.03508	1.22E-06	1.20E-05	5.21568
ABI3	-0.649111	6.833426635	-5.11134	1.66E-05	0.0001119	2.63732
ZDHHC14	-0.649295	7.99047226	-5.81381	2.27E-06	2.05E-05	4.599698
RING1	-0.649537	11.42544412	-9.47118	1.45E-10	9.03E-09	14.17239
ARHGEF18	-0.649621	10.45813937	-7.26107	4.14E-08	7.35E-07	8.56591
HCFC1R1	-0.649754	9.72966743	-5.15296	1.47E-05	0.0001015	2.753496

FUK	-0.649802	9.059457594	-6.83902	1.30E-07	1.90E-06	7.427633
UBE2L3	-0.650248	9.411524318	-6.22696	7.10E-07	7.63E-06	5.747826
ZNF341	-0.65081	7.765239827	-5.25139	1.11E-05	8.00E-05	3.028436
UNC93B1	-0.650984	7.693281127	-7.47035	2.36E-08	4.68E-07	9.123216
APRT	-0.6514	11.37694036	-5.32622	9.01E-06	6.68E-05	3.237568
HOXB2	-0.65165	7.703488271	-2.7496	0.009965	0.0294908	-3.52636
ACP2	-0.651716	7.67072966	-5.95445	1.52E-06	1.46E-05	4.991474
HES4	-0.651794	10.16051692	-4.33058	0.0001503	0.0007697	0.478353
NELFB	-0.65208	8.418640357	-11.3355	2.00E-12	4.79E-10	18.39076
CLPP	-0.652119	9.487831201	-5.51325	5.30E-06	4.20E-05	3.760408
MFSD13A	-0.652287	7.648615896	-5.44649	6.40E-06	4.96E-05	3.573789
EPHB4	-0.652472	9.788047141	-5.79331	2.40E-06	2.15E-05	4.542545
GNA11	-0.653164	8.469066383	-10.3606	1.78E-11	2.08E-09	16.24331
PRICKLE3	-0.653524	7.13265612	-7.86131	8.38E-09	2.05E-07	10.15054
KDF1	-0.653529	8.533180084	-7.06135	7.10E-08	1.14E-06	8.029551
MAPKAPK3	-0.653719	11.63025575	-7.21976	4.63E-08	8.04E-07	8.455308
SSBP4	-0.65402	7.084208562	-6.04224	1.19E-06	1.18E-05	5.235572
RNF31	-0.654322	9.103867045	-6.87735	1.17E-07	1.74E-06	7.531746
MYO1G	-0.654396	7.22984924	-3.5779	0.0011883	0.0046258	-1.52025
SAC3D1	-0.654604	9.603105939	-6.78442	1.51E-07	2.14E-06	7.279087
FAM109A	-0.6547	7.690306893	-8.19824	3.48E-09	1.01E-07	11.02068
CARM1	-0.654787	11.08320116	-7.41996	2.70E-08	5.20E-07	8.989486
ELK1	-0.654936	9.480916695	-6.5249	3.10E-07	3.85E-06	6.569317
PHF13	-0.655343	10.09222774	-4.41281	0.0001194	0.0006304	0.702929
EGFL8	-0.655578	6.923361336	-5.15866	1.45E-05	0.0001002	2.769428
SH3PXD2B	-0.655739	7.743773778	-7.48262	2.28E-08	4.57E-07	9.155721
CORO1A	-0.656045	7.70592932	-3.55588	0.0012605	0.0048735	-1.5767
KREMEN1	-0.656111	7.786809071	-7.33519	3.39E-08	6.25E-07	8.763839
JMJD8	-0.656116	12.28877422	-12.4894	1.75E-13	1.26E-10	20.77365
SP1	-0.657096	9.40228841	-8.20634	3.41E-09	9.99E-08	11.04144
TBC1D13	-0.657185	8.063169639	-6.87106	1.19E-07	1.76E-06	7.514681
MRPL28	-0.65773	8.251834819	-5.26802	1.06E-05	7.70E-05	3.074908
NUAK2	-0.658789	9.122127584	-3.13766	0.0037757	0.0128179	-2.61939
LTBR	-0.658801	9.887372954	-4.67919	5.64E-05	0.000325	1.435932
MOGS	-0.658842	7.853237998	-5.12109	1.61E-05	0.0001092	2.664535
UBALD2	-0.658881	8.459011982	-6.42367	4.10E-07	4.83E-06	6.290931
ATXN1L	-0.660153	9.354755956	-6.37801	4.66E-07	5.38E-06	6.165134
FASTK	-0.660469	8.526679781	-5.63345	3.77E-06	3.15E-05	4.096288
SLC47A1	-0.660528	9.453335486	-3.43874	0.0017218	0.0064313	-1.8746
HSPBP1	-0.660782	7.118085872	-6.20221	7.61E-07	8.06E-06	5.67933
SBF1	-0.661043	9.859063483	-6.35516	4.96E-07	5.67E-06	6.1021
URGCP	-0.661106	9.229304877	-6.57506	2.70E-07	3.46E-06	6.706953
WBP1L	-0.661315	8.771804792	-5.74435	2.76E-06	2.42E-05	4.405942
MARK2	-0.661516	7.413177272	-7.34742	3.28E-08	6.07E-07	8.796435
FOXP1-IT1	-0.661672	7.550441657	-3.10169	0.0041399	0.0139034	-2.70616
PYGO2	-0.661866	7.343791302	-6.5846	2.63E-07	3.38E-06	6.733116
ZNF784	-0.662102	7.316591854	-5.71439	3.00E-06	2.59E-05	4.322318
ERAL1	-0.662466	10.10130089	-6.64636	2.21E-07	2.94E-06	6.902232
BLZF1	-0.663189	9.323062965	-2.63437	0.0131531	0.0374741	-3.78223
KIT	-0.663441	7.243593851	-4.08368	0.0002989	0.0013867	-0.18982
SCAMP4	-0.664334	7.118817438	-6.87354	1.19E-07	1.75E-06	7.521402
ELL	-0.664542	8.460075213	-6.45266	3.78E-07	4.53E-06	6.37074
ALDH16A1	-0.664546	8.334843816	-5.09886	1.72E-05	0.0001154	2.602503
ZNF628	-0.664594	6.854521931	-8.45649	1.80E-09	6.18E-08	11.6777
MOB2	-0.664673	9.636201064	-5.90621	1.75E-06	1.64E-05	4.857189
DTX2	-0.664944	8.505901574	-7.47709	2.32E-08	4.61E-07	9.141082
UBL7	-0.665235	8.118758927	-6.48657	3.45E-07	4.18E-06	6.463994
GSTT1	-0.665456	9.753534469	-2.85951	0.0076109	0.0234687	-3.27629
TOX2	-0.66569	7.33025764	-3.75595	0.0007349	0.0030258	-1.05885

TOM1	-0.665849	9.053956424	-8.26997	2.90E-09	8.88E-08	11.20405
OAI3	-0.665994	6.969179464	-5.93438	1.61E-06	1.52E-05	4.935622
ARID3A	-0.666493	8.297743136	-4.53589	8.44E-05	0.0004641	1.040648
FUT2	-0.666742	7.495706187	-3.69152	0.0008751	0.0035232	-1.22679
EXD3	-0.667165	6.90024658	-4.19806	0.0002176	0.0010576	0.118464
GTF2F1	-0.667166	9.680507417	-6.89782	1.11E-07	1.66E-06	7.587316
NDRG2	-0.667184	9.610226924	-5.36712	8.02E-06	6.03E-05	3.351905
LMOD3	-0.668166	8.805241866	-2.52902	0.0168725	0.0464214	-4.01013
P2RY11	-0.668185	8.095866203	-8.83113	6.98E-10	2.92E-08	12.61506
TOLLIP	-0.66848	9.679716498	-7.30267	3.70E-08	6.71E-07	8.677065
PIGS	-0.669291	9.495341639	-8.54319	1.44E-09	5.24E-08	11.8963
FCHO1	-0.669372	7.002617803	-5.12799	1.58E-05	0.0001077	2.6838
GIPC1	-0.669631	9.636938513	-9.50535	1.33E-10	8.48E-09	14.25393
TYSND1	-0.669822	8.864167114	-11.8045	7.31E-13	2.73E-10	19.37938
LY6G6C	-0.670245	8.802504957	-4.21049	0.0002102	0.0010283	0.152099
HELZ2	-0.670349	8.97049987	-4.25652	0.0001849	0.0009231	0.276897
FAM71E1	-0.670428	7.501685618	-7.73394	1.17E-08	2.67E-07	9.817885
BCKDHA	-0.670543	11.12815092	-9.50005	1.35E-10	8.50E-09	14.2413
WDR24	-0.670635	7.011533129	-6.73937	1.71E-07	2.39E-06	7.156303
DBNL	-0.670899	9.912544872	-6.86387	1.22E-07	1.79E-06	7.495159
RABAC1	-0.670927	10.89321944	-5.95245	1.53E-06	1.46E-05	4.985922
ZC3H4	-0.671373	9.789107069	-6.33338	5.27E-07	5.96E-06	6.042002
ACTB	-0.671521	13.58103532	-9.7915	6.72E-11	5.05E-09	14.93067
IL17RA	-0.671637	7.317216885	-6.65681	2.15E-07	2.87E-06	6.930813
PUF60	-0.672139	12.49846645	-7.42419	2.67E-08	5.15E-07	9.000701
SLC35E4	-0.672805	6.939926616	-6.53582	3.01E-07	3.77E-06	6.5993
SLC39A3	-0.673879	8.086836925	-7.49222	2.23E-08	4.48E-07	9.181148
ERCC2	-0.674119	7.776321088	-6.17963	8.10E-07	8.51E-06	5.616786
GDI1	-0.674277	8.621365921	-5.67052	3.40E-06	2.87E-05	4.199831
MBD6	-0.674461	9.773648655	-6.80251	1.44E-07	2.06E-06	7.328337
VPS9D1	-0.674828	8.349294027	-6.48212	3.49E-07	4.22E-06	6.451766
SLC25A29	-0.67513	7.802389002	-4.69892	5.33E-05	0.0003086	1.490516
GTPBP6	-0.675362	11.28646223	-9.78093	6.89E-11	5.14E-09	14.90588
LTC4S	-0.675603	7.561388325	-3.74494	0.0007572	0.0031044	-1.08762
ZNF408	-0.675653	7.322836589	-7.3331	3.41E-08	6.28E-07	8.758265
NUMA1	-0.675753	8.569280442	-9.9638	4.47E-11	3.82E-09	15.33275
OPLAH	-0.675918	8.204133833	-6.58011	2.66E-07	3.42E-06	6.7208
TMEM55B	-0.676039	9.679023536	-9.25381	2.45E-10	1.32E-08	13.64977
BRPF1	-0.676047	9.845436189	-9.86892	5.59E-11	4.52E-09	15.11186
TMEM246	-0.676591	8.533313765	-7.45885	2.43E-08	4.80E-07	9.092714
RMND5B	-0.676788	8.33152305	-6.44894	3.82E-07	4.56E-06	6.360507
CD99	-0.677	9.691914964	-5.58728	4.30E-06	3.52E-05	3.967304
ZNF786	-0.677053	9.281407239	-2.42043	0.021701	0.0576072	-4.2387
ALKBH4	-0.677341	7.835188324	-6.43696	3.95E-07	4.68E-06	6.327528
SYNGR1	-0.677355	7.956602753	-8.69378	9.85E-10	3.84E-08	12.27359
STK11IP	-0.677375	8.433136493	-7.50472	2.15E-08	4.36E-07	9.214241
CDK9	-0.677938	9.172199258	-8.54049	1.45E-09	5.24E-08	11.88949
KLHL26	-0.678253	7.362716351	-9.6286	9.91E-11	6.89E-09	14.54682
RAB3IL1	-0.679265	6.370097956	-6.81464	1.39E-07	2.00E-06	7.361338
WNK2	-0.679856	6.695201179	-5.79879	2.36E-06	2.12E-05	4.557818
GNA15	-0.680082	11.45627364	-7.15251	5.55E-08	9.36E-07	8.274904
PPM1M	-0.680299	8.729453936	-4.24349	0.0001917	0.0009511	0.24154
SPRR2A	-0.680553	7.355187757	-2.29406	0.028889	0.0735876	-4.49609
CEP170B	-0.680562	7.098719554	-6.74622	1.68E-07	2.34E-06	7.174992
PLEKHM1	-0.680593	8.104020999	-9.11039	3.49E-10	1.71E-08	13.30141
ESYT1	-0.680672	9.878794105	-7.83997	8.86E-09	2.15E-07	10.09496
MBTD1	-0.681185	7.89175982	-2.53773	0.0165317	0.0455548	-3.99152
DLX3	-0.681255	10.20466336	-5.33945	8.67E-06	6.45E-05	3.274569
MAST3	-0.681368	8.674603271	-4.97828	2.42E-05	0.0001557	2.266314

PPP1R18	-0.681467	9.1270376	-5.44864	6.36E-06	4.94E-05	3.5798
DCAF7	-0.681593	9.581217363	-8.91137	5.71E-10	2.52E-08	12.81334
EHD4	-0.683292	9.234259459	-6.43617	3.96E-07	4.69E-06	6.325371
FEM1A	-0.683916	10.91931753	-6.52835	3.07E-07	3.82E-06	6.578784
C22orf29	-0.684273	8.859421892	-6.24558	6.74E-07	7.32E-06	5.799353
FOXO1	-0.684275	9.293848218	-4.10974	0.0002781	0.0013057	-0.11979
COLGALT1	-0.684951	10.15877773	-6.35446	4.97E-07	5.67E-06	6.100174
RNH1	-0.685652	10.80717307	-6.45237	3.79E-07	4.53E-06	6.369931
GNL1	-0.685745	9.321942197	-9.02805	4.28E-10	2.01E-08	13.10014
BCAR1	-0.685847	7.207949206	-6.54841	2.90E-07	3.68E-06	6.633841
CISH	-0.686136	6.941716206	-6.63865	2.26E-07	2.99E-06	6.88114
SBNO2	-0.68621	7.582462616	-5.64227	3.68E-06	3.08E-05	4.12093
TSPAN5	-0.686765	9.401255908	-3.49485	0.0014835	0.0056323	-1.73242
JUP	-0.686779	11.1425623	-8.19884	3.48E-09	1.01E-07	11.02223
LINC00936	-0.686985	9.327048812	-4.1852	0.0002255	0.0010915	0.083707
POLR3A	-0.687055	8.947792557	-7.10177	6.37E-08	1.05E-06	8.138454
FOXJ2	-0.687605	11.15662364	-7.19414	4.96E-08	8.50E-07	8.386628
ZNF486	-0.687667	12.08031669	-2.67739	0.0118657	0.0342946	-3.68749
CHST15	-0.687934	9.076955911	-6.33437	5.26E-07	5.95E-06	6.044721
BCL2L1	-0.687973	8.808811675	-9.50859	1.32E-10	8.47E-09	14.26166
FAAP100	-0.688146	10.46820162	-6.79707	1.46E-07	2.08E-06	7.313522
SHMT2	-0.688566	11.47155225	-8.1897	3.56E-09	1.02E-07	10.99882
CRIP1	-0.688742	13.21662681	-3.66318	0.0009448	0.0037699	-1.30031
KLK1	-0.689161	8.755528587	-5.40034	7.30E-06	5.55E-05	3.444764
TRIB3	-0.689372	9.027812661	-6.12809	9.36E-07	9.60E-06	5.473898
MPST	-0.689762	8.650930339	-6.23345	6.97E-07	7.52E-06	5.765788
SHKBP1	-0.690397	7.796564383	-5.55687	4.68E-06	3.78E-05	3.882336
MTF1	-0.690804	9.115669749	-7.1075	6.27E-08	1.04E-06	8.153858
FBXO46	-0.690814	7.421073273	-9.25493	2.45E-10	1.32E-08	13.65249
PSME3	-0.692619	9.739031082	-7.42907	2.63E-08	5.10E-07	9.013675
PPP2R1A	-0.692865	11.86821283	-8.46296	1.77E-09	6.11E-08	11.69404
YIF1A	-0.692947	10.10208791	-5.73461	2.83E-06	2.47E-05	4.378756
NDUFS7	-0.693624	11.50398182	-6.57546	2.69E-07	3.46E-06	6.708057
ADAM15	-0.693925	9.728435795	-9.46543	1.47E-10	9.08E-09	14.15865
BRI3	-0.694029	10.77306303	-6.71324	1.84E-07	2.52E-06	7.085011
TLE3	-0.694863	7.537482871	-5.58203	4.36E-06	3.56E-05	3.952648
SLC44A2	-0.695011	11.29911388	-6.93536	1.00E-07	1.52E-06	7.689064
JOSD2	-0.69507	7.98325383	-4.18428	0.0002261	0.0010937	0.081223
RIPK4	-0.695293	9.409672678	-7.32494	3.48E-08	6.40E-07	8.736513
DAPK3	-0.695396	8.157103095	-7.50557	2.15E-08	4.35E-07	9.216494
IPO4	-0.695633	8.624355013	-7.23282	4.47E-08	7.81E-07	8.490305
GPR137	-0.695948	9.589086854	-6.23613	6.92E-07	7.48E-06	5.773205
HLA-DRB3	-0.696304	8.247550502	-2.95401	0.0060155	0.0192307	-3.05682
SHROOM2	-0.696737	8.303573361	-6.2874	6.00E-07	6.62E-06	5.914989
TMEM91	-0.696747	9.7262067	-5.57158	4.49E-06	3.65E-05	3.923437
EEFSEC	-0.696774	6.954420884	-8.17123	3.74E-09	1.05E-07	10.95147
TMEM8A	-0.696932	6.822144385	-5.17985	1.36E-05	9.51E-05	2.828601
TRIM25	-0.696957	8.766188601	-4.92306	2.83E-05	0.000178	2.112566
ST14	-0.697705	9.471473786	-7.58082	1.76E-08	3.71E-07	9.415345
IDUA	-0.697873	7.338122073	-4.99718	2.29E-05	0.0001487	2.318971
HSPB1	-0.698029	13.04638988	-4.85384	3.44E-05	0.0002109	1.920096
ABHD8	-0.698075	8.588321845	-7.81823	9.38E-09	2.24E-07	10.03825
NUBP2	-0.698203	8.138150125	-5.82725	2.18E-06	1.98E-05	4.637174
GHDC	-0.698851	7.588572398	-6.92658	1.03E-07	1.55E-06	7.665268
CCNF	-0.699756	8.643616594	-6.05325	1.15E-06	1.15E-05	5.266157
EBLN2	-0.700468	7.567940277	-3.22047	0.00305	0.0105894	-2.41777
CMTM8	-0.700694	8.80713808	-4.47017	0.0001016	0.0005455	0.860106
FOXQ1	-0.700793	12.22094391	-4.56097	7.87E-05	0.0004355	1.109698
ZER1	-0.700965	8.085908589	-8.94986	5.19E-10	2.33E-08	12.90817

MKL1	-0.701108	7.76917316	-8.06531	4.92E-09	1.31E-07	10.67911
TRAPPC1	-0.701413	9.957275719	-5.22346	1.21E-05	8.56E-05	2.950401
GM2A	-0.701417	8.876203549	-4.58421	7.37E-05	0.0004111	1.173725
MACROD1	-0.701617	9.100355798	-4.72061	5.01E-05	0.000293	1.550552
UBL4A	-0.702194	9.407372718	-6.50788	3.25E-07	4.00E-06	6.522557
AOC4P	-0.702318	10.01696529	-2.22624	0.0335784	0.0837087	-4.63025
METTL26	-0.702394	8.223448415	-5.06189	1.91E-05	0.0001264	2.499364
ZNF446	-0.702476	8.252729245	-9.45875	1.49E-10	9.16E-09	14.14268
SOCS1	-0.702536	7.236194512	-3.88384	0.0005184	0.0022465	-0.72252
BAP1	-0.703169	9.202382923	-7.0865	6.64E-08	1.08E-06	8.097327
TM7SF2	-0.703609	10.40266671	-4.92579	2.80E-05	0.0001772	2.12018
GATAD2B	-0.70368	8.251212407	-4.77299	4.32E-05	0.0002578	1.695693
LAMP1	-0.704593	13.38030945	-7.13918	5.75E-08	9.64E-07	8.239078
SIGMAR1	-0.704734	9.552850938	-5.54882	4.79E-06	3.85E-05	3.859831
CDH3	-0.704851	9.296865395	-3.97781	0.0004005	0.0017939	-0.47306
SPATA20	-0.704954	8.932140021	-4.7701	4.36E-05	0.0002596	1.687677
SH3GL1	-0.705171	8.882635185	-7.36462	3.13E-08	5.86E-07	8.84227
ZNF69	-0.705311	10.10348462	-2.64046	0.0129632	0.0370193	-3.76887
THEM6	-0.705552	10.08201129	-6.95539	9.48E-08	1.45E-06	7.743304
FAAH	-0.706918	7.556822925	-6.16379	8.47E-07	8.83E-06	5.572883
ACD	-0.706952	7.861206984	-6.118	9.63E-07	9.85E-06	5.445921
IRX3	-0.706991	12.73987831	-4.93666	2.72E-05	0.0001727	2.150434
RAMP1	-0.70716	6.754333559	-5.41973	6.91E-06	5.30E-05	3.498986
KRT17	-0.707446	12.62055593	-2.42678	0.0213869	0.0568588	-4.22551
GJC2	-0.708007	7.777553845	-4.01712	0.0003593	0.0016311	-0.36815
CCDC85C	-0.708775	9.826230225	-5.96691	1.47E-06	1.41E-05	5.026155
CAPN15	-0.708927	7.351367093	-7.07274	6.89E-08	1.12E-06	8.060244
PIK3R2	-0.709021	12.23726875	-12.6828	1.18E-13	1.04E-10	21.15699
SIX5	-0.709024	8.862483333	-6.63787	2.27E-07	2.99E-06	6.879006
MED9	-0.709061	7.640151584	-5.93768	1.60E-06	1.51E-05	4.944809
SFN	-0.709233	13.64063003	-9.39711	1.73E-10	1.02E-08	13.99503
CDIPT	-0.709303	8.08843041	-5.42763	6.75E-06	5.20E-05	3.52106
SLC16A3	-0.709369	7.17307842	-4.33167	0.0001498	0.000768	0.481308
NT5DC2	-0.709575	10.05133852	-5.69605	3.16E-06	2.70E-05	4.271136
UBE2O	-0.70962	8.420008203	-6.96529	9.23E-08	1.42E-06	7.770106
DUSP18	-0.709698	8.474766979	-4.79242	4.09E-05	0.0002459	1.749585
ELF4	-0.710145	8.501480151	-5.05008	1.97E-05	0.0001303	2.466433
SH3BP1	-0.710695	8.305159709	-5.31876	9.20E-06	6.79E-05	3.216718
MED24	-0.711924	8.97798757	-8.54493	1.43E-09	5.22E-08	11.90067
SPNS1	-0.712033	9.929757572	-8.86285	6.45E-10	2.78E-08	12.69355
B3GNT8	-0.712215	7.538300169	-8.00162	5.80E-09	1.51E-07	10.51465
HSD17B7	-0.712464	11.10878911	-2.64512	0.0128196	0.0366856	-3.75864
ZDHHC24	-0.712536	7.530823854	-5.15727	1.45E-05	0.0001004	2.765525
TSKU	-0.712557	11.22596466	-11.4112	1.70E-12	4.45E-10	18.55226
GGT6	-0.712618	10.45055771	-5.73475	2.83E-06	2.47E-05	4.379147
BCKDK	-0.713203	11.4015392	-9.50648	1.33E-10	8.48E-09	14.25664
DACT3	-0.713225	7.535205554	-5.97944	1.42E-06	1.37E-05	5.060993
GEMIN4	-0.71332	10.84006012	-6.49273	3.39E-07	4.13E-06	6.480944
DHDDS	-0.713468	8.814807958	-11.3318	2.02E-12	4.79E-10	18.38284
SLC43A2	-0.713478	6.929168868	-7.34508	3.30E-08	6.10E-07	8.790203
KRT79	-0.713759	7.010272476	-2.61761	0.013689	0.0387846	-3.81889
FAM110A	-0.713993	8.618021846	-6.18775	7.92E-07	8.37E-06	5.639284
TAX1BP3	-0.714227	11.2559508	-5.98874	1.38E-06	1.35E-05	5.086851
SCYL1	-0.714427	9.90784567	-9.99005	4.20E-11	3.63E-09	15.39367
FURIN	-0.714504	7.818642496	-7.36828	3.10E-08	5.82E-07	8.852004
IRX6	-0.7146	8.048337879	-4.116	0.0002733	0.0012857	-0.10295
ZNF212	-0.714641	9.136952297	-6.99875	8.42E-08	1.32E-06	7.860566
CTDSP2	-0.714923	11.29960631	-7.74284	1.14E-08	2.63E-07	9.841181
GATAD2A	-0.714934	11.27726696	-11.6249	1.07E-12	3.20E-10	19.00409

UPF1	-0.715084	8.741693045	-6.13568	9.16E-07	9.43E-06	5.494939
RABL6	-0.715356	8.79389985	-7.05559	7.22E-08	1.15E-06	8.014012
RFX1	-0.715436	8.190829581	-5.37334	7.88E-06	5.93E-05	3.369299
GBA	-0.715918	8.877720799	-7.2007	4.87E-08	8.41E-07	8.404232
MEPCE	-0.715978	11.08321271	-6.96939	9.13E-08	1.41E-06	7.781191
LPAR2	-0.716302	8.795099958	-7.12047	6.05E-08	1.01E-06	8.188763
STIM1	-0.716376	8.846922373	-4.80933	3.90E-05	0.0002364	1.796498
TMEM54	-0.716427	11.3557018	-6.60563	2.48E-07	3.22E-06	6.790739
NICN1	-0.716638	9.435271429	-8.42529	1.95E-09	6.58E-08	11.5988
UBE2M	-0.716993	11.88359586	-9.15246	3.15E-10	1.59E-08	13.40388
ATF5	-0.717243	9.121354306	-5.75011	2.71E-06	2.38E-05	4.422018
TEF	-0.717405	9.8688871	-4.26195	0.0001821	0.0009111	0.291631
AP5Z1	-0.717573	7.771116104	-7.01956	7.96E-08	1.26E-06	7.916801
ARMC5	-0.717852	7.29539862	-6.09495	1.03E-06	1.04E-05	5.381955
BOP1	-0.71831	10.71068349	-6.7471	1.68E-07	2.34E-06	7.177393
CST3	-0.718381	12.99696644	-5.40443	7.21E-06	5.50E-05	3.456197
USF2	-0.719004	8.487976357	-9.94237	4.70E-11	3.95E-09	15.28297
PQLC1	-0.719134	11.83965615	-10.6906	8.37E-12	1.30E-09	16.98436
ACTL10	-0.719358	6.894811553	-5.80563	2.32E-06	2.09E-05	4.576889
HMGCS2	-0.719958	7.406131427	-3.82724	0.0006052	0.0025682	-0.87186
ZNF787	-0.720669	10.09611013	-6.78136	1.53E-07	2.16E-06	7.270739
DNM1	-0.720739	6.715650069	-5.01947	2.15E-05	0.0001405	2.381089
ZNF395	-0.721384	10.90943974	-7.07574	6.83E-08	1.11E-06	8.068344
HSPB2	-0.721981	7.205899339	-4.6301	6.47E-05	0.0003663	1.300293
PPP1R16A	-0.722013	9.764832961	-6.79939	1.45E-07	2.07E-06	7.319851
IGSF9	-0.722166	8.348818282	-5.45016	6.34E-06	4.92E-05	3.584068
IP6K1	-0.722998	8.624149264	-9.49122	1.38E-10	8.66E-09	14.22023
GAPDHS	-0.723824	6.356792917	-6.56314	2.79E-07	3.56E-06	6.674261
EFNB3	-0.724646	8.871300499	-5.65121	3.59E-06	3.02E-05	4.145901
FES	-0.72478	7.253776856	-5.5956	4.20E-06	3.45E-05	3.990551
LRRC3DN	-0.725111	6.809495362	-8.38719	2.14E-09	7.13E-08	11.50225
KLHL22	-0.725975	8.927610525	-9.02853	4.27E-10	2.01E-08	13.10132
FAM127B	-0.726096	6.84853873	-8.36359	2.28E-09	7.44E-08	11.44236
EVI5L	-0.72638	9.701098071	-9.26329	2.40E-10	1.30E-08	13.67271
ANKRD9	-0.726549	8.909742428	-9.50345	1.34E-10	8.49E-09	14.24942
CAPN1	-0.726959	11.89282692	-9.40166	1.71E-10	1.02E-08	14.00593
HIGD2A	-0.727108	11.62638331	-6.25649	6.54E-07	7.14E-06	5.829537
ELF3	-0.728086	7.700504178	-2.22668	0.0335454	0.0836372	-4.62938
PHKA2	-0.728213	8.952395861	-4.16834	0.0002363	0.0011353	0.038143
PLCD1	-0.728467	8.573478452	-5.71677	2.98E-06	2.58E-05	4.328959
REEP4	-0.728715	8.709284968	-9.04399	4.11E-10	1.95E-08	13.13917
NKPD1	-0.72899	7.861557165	-5.68554	3.25E-06	2.77E-05	4.241772
ARFGAP2	-0.729002	9.305977714	-8.17284	3.72E-09	1.05E-07	10.95559
PLLP	-0.729922	10.3885113	-5.51194	5.32E-06	4.21E-05	3.756753
MRPL38	-0.730563	9.05330275	-4.70179	5.29E-05	0.0003065	1.498458
TECPR1	-0.731257	7.54844048	-5.59902	4.16E-06	3.43E-05	4.000106
PDXK	-0.731911	10.45836446	-5.7923	2.41E-06	2.15E-05	4.539704
YIPF3	-0.731963	9.757932431	-7.98225	6.11E-09	1.57E-07	10.46453
TUBB	-0.732617	11.22216804	-6.18685	7.94E-07	8.38E-06	5.636777
RPL10L	-0.733341	7.686528073	-8.29708	2.70E-09	8.47E-08	11.27319
ITGB7	-0.733568	8.597804741	-4.94092	2.69E-05	0.0001708	2.162265
NECTIN4	-0.73371	8.716943497	-4.92496	2.81E-05	0.0001774	2.117857
PEX16	-0.733877	8.852862485	-8.64664	1.11E-09	4.24E-08	12.15581
TMEM222	-0.734002	7.742541934	-4.00289	0.0003737	0.0016888	-0.40614
CBX7	-0.734912	8.741729472	-6.79783	1.46E-07	2.08E-06	7.315581
AMER1	-0.735149	8.634912091	-7.294	3.79E-08	6.85E-07	8.653925
CELSR2	-0.735531	8.741360385	-3.0837	0.0043342	0.0144785	-2.74934
MAN1B1	-0.735698	10.3222858	-6.79001	1.49E-07	2.11E-06	7.294316
SLC35E1	-0.73648	9.66917846	-5.21776	1.23E-05	8.68E-05	2.934472

CD81	-0.737135	14.21807476	-11.6754	9.62E-13	3.11E-10	19.11004
VPS28	-0.737465	10.63224108	-6.56009	2.81E-07	3.59E-06	6.665909
RPAP1	-0.737563	7.828830688	-7.13911	5.75E-08	9.64E-07	8.238893
CYHR1	-0.73773	7.545957532	-7.38879	2.94E-08	5.56E-07	8.906604
KLF13	-0.737988	11.09698043	-4.39818	0.0001244	0.0006529	0.662903
MVB12A	-0.738052	10.63184139	-6.45262	3.79E-07	4.53E-06	6.370643
TMEM79	-0.73809	13.14582337	-6.25635	6.54E-07	7.14E-06	5.829147
CALCOCO1	-0.738993	8.720348799	-8.3631	2.28E-09	7.44E-08	11.44112
PAK6	-0.739356	9.726825627	-7.36161	3.16E-08	5.90E-07	8.834244
NAB2	-0.73944	8.123624374	-9.02381	4.32E-10	2.03E-08	13.08975
TSC22D4	-0.73981	7.70412529	-7.7365	1.16E-08	2.66E-07	9.824577
TP53I13	-0.739831	8.81511065	-6.39028	4.50E-07	5.24E-06	6.198959
EXTL3	-0.740165	8.613555212	-6.52721	3.08E-07	3.83E-06	6.575656
GJB4	-0.740427	8.151763266	-3.43232	0.0017513	0.0065202	-1.8908
FBRSL1	-0.740842	7.791137241	-6.76643	1.59E-07	2.24E-06	7.230064
WDR81	-0.742093	7.265168927	-6.7191	1.81E-07	2.50E-06	7.101008
IL22RA1	-0.74253	7.950113335	-5.5721	4.49E-06	3.64E-05	3.924882
ZNF414	-0.742974	7.046238153	-6.33561	5.24E-07	5.93E-06	6.048159
DGKQ	-0.743062	9.513236457	-6.52936	3.06E-07	3.82E-06	6.581556
TGFBI	-0.744442	12.70573142	-4.43625	0.0001118	0.0005938	0.767087
GALNT3	-0.74502	7.760300706	-3.54854	0.0012855	0.0049593	-1.5955
GYS1	-0.745427	8.178542022	-7.14557	5.65E-08	9.51E-07	8.256249
AGO2	-0.745447	10.69155836	-4.90241	3.00E-05	0.0001877	2.055114
FAM83A	-0.746084	7.144065157	-5.62301	3.88E-06	3.23E-05	4.067131
ST6GALNAC6	-0.746086	9.2620145	-6.50845	3.24E-07	4.00E-06	6.524132
WNT4	-0.746461	9.957534996	-3.65013	0.0009786	0.0038906	-1.3341
ACTN4	-0.746902	10.68620965	-5.61063	4.02E-06	3.34E-05	4.032553
TOR4A	-0.748146	6.602874402	-5.88613	1.85E-06	1.72E-05	4.801263
LIME1	-0.748852	9.5914773	-5.99727	1.35E-06	1.32E-05	5.110589
GAL3ST4	-0.748903	7.625225969	-7.21961	4.63E-08	8.04E-07	8.454927
KIAA1522	-0.74981	10.09157792	-5.9536	1.53E-06	1.46E-05	4.9891
SETD1A	-0.750846	9.16858453	-7.82276	9.27E-09	2.22E-07	10.05007
EPHB1	-0.751015	8.267152129	-4.0639	0.0003157	0.0014526	-0.2429
VPS37D	-0.751523	8.750973692	-5.98866	1.38E-06	1.35E-05	5.086652
SNTA1	-0.751592	8.278343304	-5.02314	2.13E-05	0.0001391	2.391303
CHMP6	-0.751852	7.834845793	-7.80953	9.60E-09	2.28E-07	10.01555
AIF1L	-0.752601	7.002459728	-5.55094	4.76E-06	3.83E-05	3.865751
FTL	-0.752716	12.60190587	-6.32617	5.38E-07	6.06E-06	6.022078
RHOC	-0.753191	10.78853484	-5.80409	2.33E-06	2.10E-05	4.572587
ZNF467	-0.754755	9.536384545	-6.30403	5.72E-07	6.39E-06	5.960953
URM1	-0.754775	10.80399325	-7.88549	7.86E-09	1.94E-07	10.21346
DNM2	-0.755131	8.644684326	-8.07978	4.74E-09	1.27E-07	10.7164
KATNB1	-0.755208	9.96584914	-9.53091	1.25E-10	8.10E-09	14.31485
USP11	-0.755217	7.599134654	-6.42673	4.07E-07	4.80E-06	6.299366
CTSA	-0.755243	9.617111738	-6.7366	1.73E-07	2.39E-06	7.148739
PRODH	-0.755433	10.01979502	-5.96487	1.48E-06	1.42E-05	5.020478
LASP1	-0.755451	11.75643038	-9.07069	3.85E-10	1.85E-08	13.2045
RBM15B	-0.756032	7.797928459	-7.46882	2.37E-08	4.69E-07	9.119155
SURF4	-0.756454	10.34553617	-9.5647	1.15E-10	7.70E-09	14.39523
GMPR	-0.756817	6.647658664	-6.72272	1.79E-07	2.47E-06	7.110872
RAB11FIP4	-0.756859	7.377624328	-5.98413	1.40E-06	1.36E-05	5.07405
IRF2BPL	-0.757487	10.47285012	-6.69457	1.94E-07	2.63E-06	7.034018
TRAPPC12	-0.75798	10.79935975	-8.29954	2.68E-09	8.43E-08	11.27944
CTSB	-0.758139	10.72696889	-8.88629	6.08E-10	2.66E-08	12.75145
GLI2	-0.75866	6.869470833	-5.72852	2.88E-06	2.51E-05	4.361755
IGSF8	-0.75901	7.31442056	-7.79457	9.98E-09	2.35E-07	9.976482
STARD10	-0.759738	11.23126861	-5.90596	1.75E-06	1.64E-05	4.856491
ATP13A2	-0.759743	7.769771956	-7.44965	2.49E-08	4.90E-07	9.068296
NDE1	-0.759766	10.29509885	-5.35734	8.24E-06	6.17E-05	3.324579

LRRC14	-0.759816	8.152994139	-7.68109	1.35E-08	2.99E-07	9.679276
ERF	-0.759853	7.942404421	-4.1998	0.0002165	0.0010538	0.123194
FAM57A	-0.759903	12.16744212	-6.66447	2.11E-07	2.83E-06	6.951772
DUS3L	-0.760259	9.225489145	-5.8096	2.29E-06	2.07E-05	4.587969
CASC3	-0.761093	9.400420679	-8.13022	4.16E-09	1.14E-07	10.84619
GTF3C5	-0.761234	9.634492876	-8.60866	1.22E-09	4.59E-08	12.06071
AKT1S1	-0.761633	7.053575401	-7.3487	3.27E-08	6.07E-07	8.799855
WDR18	-0.761787	10.75832211	-5.11953	1.62E-05	0.0001097	2.660189
PDZK1IP1	-0.761927	9.442413595	-5.89989	1.78E-06	1.66E-05	4.8396
CTDSP1	-0.762089	8.442115421	-7.88883	7.79E-09	1.93E-07	10.22216
CLN3	-0.762314	8.781196017	-8.64841	1.10E-09	4.24E-08	12.16023
NUCB1	-0.762858	12.97513261	-9.73769	7.63E-11	5.59E-09	14.80427
EXOC3	-0.762864	9.816644455	-6.70675	1.87E-07	2.56E-06	7.067294
FOXC1	-0.763151	11.36412002	-3.71607	0.0008189	0.0033222	-1.16291
TNIP1	-0.763578	8.371522455	-6.06738	1.11E-06	1.11E-05	5.3054
ATP6V0C	-0.763835	9.633740829	-13.8757	1.15E-14	2.47E-11	23.4245
DYRK1B	-0.763935	7.335172405	-5.99367	1.37E-06	1.33E-05	5.100574
LPAR5	-0.764397	9.723584037	-9.25124	2.47E-10	1.32E-08	13.64357
TBC1D10B	-0.764897	7.817384121	-7.73073	1.18E-08	2.69E-07	9.80946
ZBTB3	-0.765911	7.659729815	-7.5021	2.17E-08	4.38E-07	9.207314
PLEKHM2	-0.766259	11.02772821	-9.55109	1.19E-10	7.86E-09	14.36286
HLA-A	-0.766279	12.14421589	-2.67228	0.0120122	0.0346509	-3.69879
TBC1D2	-0.76676	9.14385455	-8.76755	8.18E-10	3.31E-08	12.45731
RAB34	-0.76677	8.638042028	-4.82298	3.75E-05	0.0002281	1.834389
LRRC41	-0.767184	8.820526759	-7.75117	1.12E-08	2.58E-07	9.86299
SLC35C1	-0.767459	7.602218731	-7.43719	2.58E-08	5.01E-07	9.035222
MTHFR	-0.767497	7.972318616	-5.5794	4.39E-06	3.58E-05	3.94529
UAP1L1	-0.768587	7.67200148	-5.72672	2.90E-06	2.52E-05	4.356732
TMEM101	-0.768637	10.86033556	-10.111	3.17E-11	3.05E-09	15.67306
YPEL3	-0.769151	9.644557456	-7.72992	1.18E-08	2.69E-07	9.807359
SLC6A8	-0.769831	8.425125506	-6.40653	4.30E-07	5.03E-06	6.243716
NPDC1	-0.769994	6.698849213	-6.59808	2.53E-07	3.27E-06	6.770051
SLC35B2	-0.770346	9.537455742	-6.81833	1.38E-07	1.98E-06	7.371381
BIN3	-0.7713	7.211505761	-4.64073	6.28E-05	0.0003568	1.329645
NAPRT	-0.771827	11.29197848	-6.70455	1.89E-07	2.57E-06	7.061281
AHDC1	-0.772225	8.104997184	-6.60158	2.51E-07	3.25E-06	6.779624
SERPINE2	-0.772239	7.612213675	-3.48571	0.00152	0.0057563	-1.75565
CAPN3	-0.772498	7.363467516	-3.76751	0.0007122	0.0029422	-1.02862
ABHD14B	-0.772595	8.162103746	-5.11037	1.66E-05	0.0001121	2.634601
DHX30	-0.772715	9.220126601	-8.87555	6.24E-10	2.70E-08	12.72493
FBXO31	-0.772785	9.827103615	-8.16726	3.78E-09	1.06E-07	10.94128
C2CD4B	-0.773241	7.752478711	-3.23704	0.0029217	0.0102026	-2.37711
YIF1B	-0.773351	8.702922325	-5.61749	3.94E-06	3.28E-05	4.051715
DHRS11	-0.773397	9.039565271	-8.29298	2.73E-09	8.54E-08	11.26273
FAM50B	-0.773508	8.660891896	-8.19538	3.51E-09	1.02E-07	11.01335
EHD1	-0.77362	10.94985352	-6.09474	1.03E-06	1.04E-05	5.381364
EXOSC6	-0.773796	10.90869134	-6.38086	4.62E-07	5.34E-06	6.172977
ZNF264	-0.773929	8.101269159	-3.77651	0.0006949	0.0028803	-1.00505
NELFA	-0.773948	7.935278001	-9.41782	1.65E-10	9.89E-09	14.0447
CDC42EP1	-0.774178	7.599818439	-7.63844	1.51E-08	3.28E-07	9.567165
OSBPL5	-0.774852	9.777618854	-9.33465	2.01E-10	1.14E-08	13.84489
GAMT	-0.774899	8.77882985	-6.11435	9.73E-07	9.93E-06	5.435778
MYPOP	-0.774929	9.851490464	-7.66625	1.40E-08	3.10E-07	9.640289
MAPRE3	-0.775555	8.90148743	-7.08004	6.75E-08	1.10E-06	8.079923
TMEM127	-0.775613	7.829792161	-9.63616	9.73E-11	6.82E-09	14.5647
SPTAN1	-0.775697	10.4490335	-8.18308	3.62E-09	1.04E-07	10.98186
STK35	-0.776196	7.832542906	-7.64733	1.47E-08	3.22E-07	9.590543
CIRBP	-0.776312	12.95706548	-7.85102	8.61E-09	2.09E-07	10.12373
FAM65A	-0.776685	8.728559814	-6.67074	2.07E-07	2.78E-06	6.96889

NPLOC4	-0.777138	8.867436462	-6.95559	9.48E-08	1.45E-06	7.743849
FAM212A	-0.777895	10.71532069	-6.54074	2.96E-07	3.74E-06	6.612806
AAR2	-0.777997	10.08110742	-10.0043	4.07E-11	3.59E-09	15.42664
C17orf62	-0.778625	8.702029954	-8.63071	1.15E-09	4.40E-08	12.11594
PPP1R10	-0.778784	8.56271062	-4.0953	0.0002895	0.0013486	-0.15861
PLAGL2	-0.778893	8.653751237	-6.13235	9.25E-07	9.52E-06	5.485705
HDAC11	-0.779053	8.156374401	-7.09177	6.54E-08	1.07E-06	8.111523
KPNA6	-0.779334	10.22875843	-6.23938	6.86E-07	7.42E-06	5.782212
DBNDD1	-0.779366	8.004016224	-4.93383	2.74E-05	0.0001736	2.142546
KDELR1	-0.779368	10.28799387	-8.78893	7.75E-10	3.17E-08	12.51042
NUDT14	-0.779403	9.523629475	-3.90936	0.0004834	0.0021131	-0.65497
SCAMP2	-0.779448	7.166755512	-9.55653	1.18E-10	7.80E-09	14.37582
MGAT1	-0.779647	10.23454247	-6.53399	3.02E-07	3.79E-06	6.594273
RPUSD2	-0.779925	10.22181063	-9.58741	1.09E-10	7.34E-09	14.44917
RNF167	-0.779987	9.540474605	-6.94459	9.76E-08	1.49E-06	7.71405
FZD9	-0.780041	7.546018254	-5.329	8.93E-06	6.63E-05	3.245356
HS1BP3	-0.78057	8.503963926	-7.37697	3.03E-08	5.71E-07	8.875162
RHBDF1	-0.781318	10.7253539	-5.59765	4.17E-06	3.44E-05	3.996277
C8orf82	-0.782291	8.667320264	-7.73669	1.16E-08	2.66E-07	9.825086
RAP1GAP	-0.782376	7.552111842	-4.88174	3.18E-05	0.0001973	1.997654
CERS4	-0.782383	8.594683404	-6.56031	2.81E-07	3.59E-06	6.666498
MFHAS1	-0.783175	8.208177413	-4.66126	5.93E-05	0.0003388	1.38638
SNX17	-0.783201	10.99998702	-7.60816	1.63E-08	3.49E-07	9.487416
ZNF672	-0.783353	9.780085496	-10.8514	5.83E-12	1.09E-09	17.34008
AGFG2	-0.784351	7.641499883	-9.80908	6.44E-11	5.00E-09	14.97189
ECSIT	-0.784867	7.803347216	-5.70802	3.05E-06	2.63E-05	4.304542
SLC25A10	-0.785	8.721643095	-5.6679	3.42E-06	2.89E-05	4.192509
TP53	-0.785408	7.803211506	-7.36998	3.09E-08	5.80E-07	8.856539
RPP25	-0.785418	7.634885514	-6.33111	5.31E-07	6.00E-06	6.035725
ZG16B	-0.785463	8.348611145	-4.08223	0.0003001	0.0013913	-0.19372
SF3B4	-0.786018	11.36053583	-11.346	1.96E-12	4.79E-10	18.41303
RAD23A	-0.786419	10.69762391	-9.53082	1.25E-10	8.10E-09	14.31463
FAM173A	-0.786493	8.34470797	-6.26874	6.32E-07	6.91E-06	5.863427
UBXN6	-0.787167	10.42333758	-5.59565	4.20E-06	3.45E-05	3.990684
ATP6AP1	-0.787337	12.66839518	-8.50579	1.58E-09	5.59E-08	11.80213
LLGL1	-0.787429	10.03578134	-9.16119	3.08E-10	1.57E-08	13.42514
MKNK2	-0.787455	10.53244654	-7.13055	5.89E-08	9.81E-07	8.215864
BOK	-0.787458	8.685696583	-7.41214	2.76E-08	5.28E-07	8.968682
MAPK3	-0.787781	10.3576998	-8.30727	2.63E-09	8.30E-08	11.29913
ABLIM2	-0.788558	8.809075971	-6.44323	3.89E-07	4.62E-06	6.344804
ZNF689	-0.788999	8.737177552	-6.00393	1.33E-06	1.30E-05	5.129109
MAF1	-0.789685	8.419227104	-6.1233	9.49E-07	9.71E-06	5.460619
SNRPA	-0.791398	9.175098583	-6.56369	2.78E-07	3.56E-06	6.675766
TEX264	-0.792205	9.151259215	-7.15995	5.44E-08	9.19E-07	8.294889
MUM1	-0.792525	9.25330378	-6.74721	1.68E-07	2.34E-06	7.177678
GPATCH3	-0.792757	8.439081888	-9.32124	2.08E-10	1.17E-08	13.8126
LMF2	-0.792955	9.088065351	-7.00094	8.37E-08	1.32E-06	7.866506
USP49	-0.793292	9.789355329	-2.71178	0.0109219	0.031915	-3.61108
BCAN	-0.793319	6.694787746	-7.64525	1.48E-08	3.24E-07	9.585074
SND1	-0.794135	10.2872634	-8.23835	3.14E-09	9.42E-08	11.1233
HMG20B	-0.794257	10.49762629	-9.29181	2.24E-10	1.24E-08	13.7416
PRICKLE2	-0.794333	8.217384764	-4.43104	0.0001134	0.0006021	0.752841
CDH4	-0.794715	6.7182473	-6.29407	5.89E-07	6.54E-06	5.933427
FIZ1	-0.79506	7.836401056	-8.67594	1.03E-09	4.01E-08	12.22904
HCFC1	-0.795395	10.39162323	-7.91568	7.27E-09	1.82E-07	10.29194
SOX9	-0.795888	8.860889533	-4.1672	0.0002371	0.0011373	0.035061
TMPRSS6	-0.796141	6.819106686	-5.86057	1.99E-06	1.82E-05	4.730046
LTB4R	-0.796237	10.32754336	-5.78758	2.44E-06	2.18E-05	4.526554
RDH13	-0.796504	9.305375875	-4.06247	0.000317	0.0014573	-0.24675

OCEL1	-0.797148	8.71231008	-7.06604	7.01E-08	1.13E-06	8.042206
GPSM3	-0.7976	6.960154332	-4.97218	2.46E-05	0.0001583	2.249328
SLC35A4	-0.798916	10.09354003	-10.3891	1.66E-11	2.04E-09	16.30793
MCM5	-0.800001	8.800776493	-4.54234	8.29E-05	0.0004564	1.058397
KCNK12	-0.800633	6.768844137	-3.97427	0.0004044	0.0018081	-0.48247
GIT1	-0.800735	8.04854999	-7.99377	5.92E-09	1.53E-07	10.49434
EXOSC4	-0.800746	9.118006826	-5.78988	2.42E-06	2.16E-05	4.532967
TUFM	-0.800771	10.96640198	-9.32968	2.04E-10	1.15E-08	13.83292
FAM222B	-0.801931	8.568862358	-10.9333	4.86E-12	9.33E-10	17.52003
SPSB1	-0.801972	9.19737451	-5.77262	2.54E-06	2.25E-05	4.484825
FLII	-0.802111	9.324610432	-11.3231	2.06E-12	4.81E-10	18.36409
GPI	-0.804183	10.28926028	-7.34952	3.26E-08	6.07E-07	8.802035
DOLK	-0.804455	8.699589192	-7.95128	6.62E-09	1.67E-07	10.3843
FAM3A	-0.805013	10.91374245	-9.40442	1.70E-10	1.02E-08	14.01255
TRIM26	-0.805095	9.530762843	-9.83212	6.10E-11	4.81E-09	15.02583
TUBB4B	-0.805387	12.28175459	-5.66273	3.47E-06	2.93E-05	4.178089
DHCR24	-0.805731	10.45155515	-6.86787	1.20E-07	1.77E-06	7.506011
GMEB2	-0.806197	9.398392914	-10.1601	2.83E-11	2.80E-09	15.78587
9-Sep	-0.806553	12.65487949	-8.90396	5.82E-10	2.56E-08	12.79508
PCNX3	-0.8067	8.505610608	-6.73092	1.75E-07	2.43E-06	7.133241
DGAT1	-0.807176	8.325784289	-7.63288	1.53E-08	3.32E-07	9.552518
BCYRN1	-0.80729	9.331930836	-3.50627	0.001439	0.0054776	-1.70338
SEMA3F	-0.807514	10.10965361	-6.54421	2.94E-07	3.71E-06	6.62234
ZBED1	-0.808609	10.47754889	-9.42387	1.62E-10	9.81E-09	14.05919
USP5	-0.808739	11.36079601	-10.637	9.45E-12	1.35E-09	16.86496
FRAT2	-0.809895	10.55549275	-7.53432	1.99E-08	4.07E-07	9.292562
APCDD1L	-0.810172	6.822257907	-6.12396	9.47E-07	9.70E-06	5.462443
HDHD3	-0.810642	8.83511237	-9.42054	1.64E-10	9.85E-09	14.05121
WNT3	-0.811835	9.691863563	-4.08105	0.0003011	0.001395	-0.19689
MAP2K2	-0.812753	10.73517138	-8.47876	1.70E-09	5.93E-08	11.73394
EIF3G	-0.813331	11.80920103	-6.00735	1.31E-06	1.29E-05	5.138615
RIN1	-0.813376	8.971110067	-6.91466	1.06E-07	1.60E-06	7.632968
CYP4F22	-0.813692	10.98009156	-4.16311	0.0002398	0.0011481	0.024036
TBC1D16	-0.813696	8.534810321	-5.67238	3.38E-06	2.86E-05	4.205026
MOSPD3	-0.813774	8.470692305	-6.28088	6.11E-07	6.72E-06	5.89697
CLUH	-0.814132	9.653123147	-8.49497	1.63E-09	5.73E-08	11.77484
PLPPR2	-0.814248	7.900370322	-7.88861	7.80E-09	1.93E-07	10.22157
MGRN1	-0.814633	7.459848169	-8.26256	2.95E-09	9.02E-08	11.18514
ARAF	-0.81589	9.554733631	-10.9902	4.28E-12	8.48E-10	17.64451
GNB2	-0.81664	8.866656144	-7.48138	2.29E-08	4.57E-07	9.152448
ZNF362	-0.817074	9.733607946	-8.61644	1.20E-09	4.53E-08	12.0802
B4GAT1	-0.81729	8.329265682	-10.0603	3.57E-11	3.33E-09	15.55626
ZNHIT2	-0.817311	7.751946467	-6.385	4.57E-07	5.29E-06	6.184384
NLRX1	-0.817745	9.074926933	-8.3635	2.28E-09	7.44E-08	11.44213
CXXC5	-0.8182	8.967107471	-5.56121	4.63E-06	3.74E-05	3.894471
SEC16A	-0.818509	10.18363638	-6.90598	1.09E-07	1.62E-06	7.60943
CORO1B	-0.818684	8.585353799	-7.3169	3.56E-08	6.52E-07	8.715063
CLEC11A	-0.818704	8.606157742	-6.84964	1.27E-07	1.85E-06	7.456504
C1orf106	-0.818729	11.67111531	-7.53049	2.01E-08	4.10E-07	9.282435
FAM234B	-0.818981	8.270943745	-3.99595	0.0003809	0.0017171	-0.42468
STXBP2	-0.819261	9.346772482	-6.99268	8.56E-08	1.34E-06	7.844181
LGALS1	-0.819768	10.18935636	-3.41377	0.0018393	0.0068061	-1.93754
COL6A1	-0.820214	8.068973065	-4.77296	4.32E-05	0.0002578	1.695597
FAM134A	-0.821005	9.198978951	-8.40145	2.07E-09	6.93E-08	11.53841
UBALD1	-0.821354	7.72542434	-7.49879	2.19E-08	4.40E-07	9.19855
CTDNEP1	-0.821419	9.121513372	-10.7718	6.97E-12	1.20E-09	17.16454
MAP6D1	-0.821422	8.94704166	-8.74496	8.66E-10	3.47E-08	12.40113
MLPH	-0.822186	7.232071765	-5.34078	8.64E-06	6.43E-05	3.278285
KLHDC8B	-0.822261	10.31266121	-7.05809	7.17E-08	1.15E-06	8.020761

ZFPL1	-0.822565	7.972010768	-7.68741	1.32E-08	2.94E-07	9.695861
PTOV1	-0.822618	10.98073561	-8.02363	5.48E-09	1.44E-07	10.57155
ZNF668	-0.823193	9.094289275	-9.33946	1.99E-10	1.13E-08	13.85646
SYT17	-0.823346	7.787791885	-5.476	5.89E-06	4.61E-05	3.656288
POR	-0.824578	8.489413072	-7.82352	9.25E-09	2.22E-07	10.05205
CRIP2	-0.824907	11.18221695	-5.03146	2.08E-05	0.0001364	2.414516
MIDN	-0.825278	10.71310013	-3.7118	0.0008284	0.0033552	-1.17404
SPI1	-0.825579	7.139241186	-5.17908	1.37E-05	9.52E-05	2.826439
IGFLR1	-0.826165	8.072414474	-4.00886	0.0003676	0.0016648	-0.39021
TRIM29	-0.826417	11.70729669	-6.65733	2.15E-07	2.87E-06	6.932245
RNASEK	-0.826811	11.32123375	-8.57553	1.33E-09	4.90E-08	11.97758
PCGF2	-0.827116	8.340824514	-6.6838	2.00E-07	2.69E-06	7.004587
STK11	-0.827223	7.530063624	-7.19488	4.95E-08	8.50E-07	8.38861
MLST8	-0.827373	8.761044527	-5.97935	1.42E-06	1.37E-05	5.060747
NCCRP1	-0.827625	11.72010977	-4.5704	7.66E-05	0.0004253	1.135655
PRSS16	-0.829061	7.256590637	-6.6929	1.95E-07	2.64E-06	7.029446
PHLDA3	-0.829499	9.127032269	-5.64409	3.66E-06	3.07E-05	4.126021
SUPT5H	-0.830326	10.23870682	-9.9285	4.86E-11	4.05E-09	15.2507
PHYHD1	-0.831269	8.118294301	-5.97759	1.43E-06	1.38E-05	5.055866
CBLC	-0.831392	9.212333952	-6.88872	1.14E-07	1.69E-06	7.56262
KIAA2013	-0.831854	10.0658608	-10.2655	2.21E-11	2.38E-09	16.02713
SCNN1A	-0.832573	11.46191128	-5.55467	4.71E-06	3.80E-05	3.876181
PNKP	-0.833674	9.315004599	-7.18058	5.14E-08	8.74E-07	8.350268
FBXL15	-0.833693	8.867960819	-8.37551	2.21E-09	7.28E-08	11.47263
GAA	-0.834376	7.572695661	-6.15288	8.73E-07	9.05E-06	5.54265
POLR2A	-0.834754	11.15021941	-5.26455	1.07E-05	7.76E-05	3.065207
SYTL1	-0.834974	9.641537433	-8.19384	3.52E-09	1.02E-07	11.00943
FAM46B	-0.835416	11.9251567	-6.22697	7.10E-07	7.63E-06	5.747863
PTPN23	-0.835617	7.737513332	-7.07931	6.77E-08	1.10E-06	8.077959
PRRC2A	-0.835622	8.400599042	-7.663	1.41E-08	3.11E-07	9.631739
RELA	-0.835918	7.901634697	-8.43096	1.92E-09	6.50E-08	11.61315
RHOBTB3	-0.83611	9.176141521	-3.59287	0.0011415	0.0044607	-1.48177
KLC3	-0.83648	10.29020559	-6.43849	3.94E-07	4.67E-06	6.331753
PACS1	-0.836645	7.61952008	-5.54853	4.80E-06	3.85E-05	3.859033
TPP1	-0.837422	9.362933057	-8.05753	5.02E-09	1.33E-07	10.65906
RAB1B	-0.838584	8.467163213	-5.87565	1.90E-06	1.76E-05	4.772069
CHAD	-0.838861	7.32386843	-5.94294	1.57E-06	1.50E-05	4.959448
TTYH3	-0.83999	7.308787737	-6.37753	4.66E-07	5.38E-06	6.163787
TBC1D17	-0.840621	7.349807142	-8.26597	2.93E-09	8.96E-08	11.19385
ARMC7	-0.840939	8.973834854	-7.83478	8.98E-09	2.17E-07	10.08141
NR1H2	-0.841339	9.676287824	-9.44267	1.55E-10	9.49E-09	14.1042
RAPGEFL1	-0.841496	11.25392436	-7.6084	1.63E-08	3.49E-07	9.48806
HLA-DQB1	-0.841803	8.831277681	-3.41647	0.0018262	0.0067682	-1.93075
LAMB2	-0.841829	8.540708683	-5.09392	1.74E-05	0.0001168	2.588696
TRAF7	-0.841944	8.204170921	-6.62601	2.34E-07	3.07E-06	6.846532
VAT1	-0.842027	10.44911941	-6.15287	8.73E-07	9.05E-06	5.542608
ANKK1	-0.842147	7.292742225	-5.46734	6.04E-06	4.72E-05	3.632088
VPS37C	-0.842163	12.0250456	-10.1902	2.63E-11	2.66E-09	15.85492
BCL3	-0.843468	8.866226476	-4.91297	2.91E-05	0.0001827	2.084491
HOXA5	-0.843588	9.903191769	-3.95593	0.0004253	0.0018891	-0.53131
APEX2	-0.844634	9.318935254	-8.65087	1.10E-09	4.23E-08	12.16638
SLC27A1	-0.845124	8.258905136	-6.82938	1.34E-07	1.94E-06	7.401436
NRM	-0.845642	8.040538411	-5.40908	7.12E-06	5.44E-05	3.469206
TIMM22	-0.846308	10.32136094	-6.82466	1.36E-07	1.96E-06	7.388594
AP5B1	-0.846357	7.107815911	-5.99212	1.37E-06	1.34E-05	5.096258
GAS2L1	-0.847827	7.966974161	-8.1028	4.46E-09	1.21E-07	10.77569
WDR6	-0.848108	9.834743053	-6.73226	1.75E-07	2.42E-06	7.136893
TNFRSF18	-0.848718	7.494793464	-5.18928	1.33E-05	9.28E-05	2.854936
PLA2G4F	-0.84876	11.01946009	-5.39603	7.39E-06	5.61E-05	3.432719

WBP2	-0.850936	12.7165748	-10.0206	3.91E-11	3.51E-09	15.46438
FBXL8	-0.851298	7.413205113	-6.42626	4.07E-07	4.80E-06	6.29806
CNPPD1	-0.851692	9.587714979	-10.0733	3.46E-11	3.26E-09	15.58622
PEX14	-0.852009	7.648842446	-8.47023	1.73E-09	6.04E-08	11.71241
ZNF219	-0.85383	9.990194378	-8.22424	3.26E-09	9.66E-08	11.08724
BAG6	-0.853957	8.892501235	-8.93452	5.39E-10	2.40E-08	12.87039
SP2	-0.853982	8.492856446	-9.58485	1.10E-10	7.36E-09	14.44308
CABLES1	-0.854058	8.268243621	-7.43847	2.57E-08	5.00E-07	9.038626
FOXO4	-0.85504	8.522513947	-9.12738	3.35E-10	1.66E-08	13.34282
WDR62	-0.855477	7.290132851	-7.54111	1.95E-08	4.03E-07	9.310511
F8A1	-0.855955	8.122700809	-6.28665	6.01E-07	6.63E-06	5.912916
POLRMT	-0.856253	9.280183349	-8.39839	2.08E-09	6.97E-08	11.53065
MED25	-0.856446	8.134376427	-8.33175	2.47E-09	7.93E-08	11.36145
JMJD4	-0.856475	7.410015423	-8.37917	2.19E-09	7.24E-08	11.4819
THNSL2	-0.856806	9.185165626	-2.5108	0.0176065	0.0481	-4.04894
LRP10	-0.856895	9.645039722	-5.54722	4.81E-06	3.86E-05	3.855356
RAB11FIP5	-0.857105	8.92775016	-7.13796	5.77E-08	9.66E-07	8.235806
NDST1	-0.857436	8.894156533	-5.39609	7.39E-06	5.61E-05	3.432901
L3MBTL2	-0.858469	9.40749048	-11.3345	2.01E-12	4.79E-10	18.38845
SRM	-0.85873	9.198167101	-5.04641	1.99E-05	0.0001314	2.456192
SUN2	-0.859966	12.15179246	-6.27778	6.16E-07	6.77E-06	5.888415
SGK223	-0.860281	8.541906646	-7.24033	4.38E-08	7.69E-07	8.510401
ASCL2	-0.860286	10.09083189	-5.78096	2.49E-06	2.21E-05	4.508077
NUDCD3	-0.860374	9.793696066	-8.72313	9.15E-10	3.59E-08	12.34678
TTC38	-0.86118	8.86200813	-3.86806	0.0005413	0.0023265	-0.76423
SPRYD3	-0.862219	9.711240711	-10.0341	3.79E-11	3.47E-09	15.49567
CA9	-0.862992	7.589178838	-5.36576	8.05E-06	6.05E-05	3.348092
PLA2G15	-0.863216	7.853464311	-8.97102	4.92E-10	2.26E-08	12.96019
MLEC	-0.863659	9.76555896	-6.93806	9.94E-08	1.51E-06	7.696383
DBP	-0.863698	8.356119445	-5.03753	2.04E-05	0.0001343	2.431416
CYP2C18	-0.864334	7.711812187	-4.77042	4.36E-05	0.0002595	1.688564
CYP27A1	-0.864884	8.334592224	-4.73202	4.85E-05	0.000285	1.582132
SNX8	-0.865312	8.333418488	-6.60106	2.51E-07	3.25E-06	6.778199
LPCAT3	-0.865579	8.98631716	-6.72798	1.77E-07	2.45E-06	7.125236
LRG1	-0.86563	7.108629143	-5.07013	1.86E-05	0.0001239	2.522339
SLC1A5	-0.866218	8.304760354	-5.35492	8.30E-06	6.21E-05	3.317804
RBM42	-0.866308	10.21690111	-9.50972	1.32E-10	8.47E-09	14.26435
DGCR2	-0.868489	10.06835954	-6.81076	1.41E-07	2.02E-06	7.350776
ATP6V0A1	-0.869007	10.91280312	-7.18618	5.06E-08	8.65E-07	8.365278
CHST12	-0.869247	7.967085785	-6.22661	7.11E-07	7.63E-06	5.746868
MCOLN1	-0.86927	9.713389483	-10.1672	2.78E-11	2.78E-09	15.80218
EFHD2	-0.869375	10.70601602	-8.23797	3.15E-09	9.42E-08	11.12234
ZNF416	-0.869627	8.082367569	-10.389	1.66E-11	2.04E-09	16.30772
FARSA	-0.869707	8.616276445	-7.50083	2.18E-08	4.39E-07	9.203961
SPATA2L	-0.870988	8.284301417	-8.58543	1.29E-09	4.82E-08	12.00243
AEBP1	-0.871034	6.649195449	-7.97837	6.17E-09	1.58E-07	10.45449
DUSP8	-0.871233	7.487822313	-5.10071	1.71E-05	0.0001149	2.607664
NINJ1	-0.871281	11.25630733	-6.41157	4.24E-07	4.97E-06	6.257614
TMEM115	-0.87152	9.845541425	-11.2041	2.67E-12	5.82E-10	18.10856
XAB2	-0.872808	10.48006771	-7.2918	3.81E-08	6.89E-07	8.648042
CXCL16	-0.873612	10.6222608	-12.1205	3.76E-13	2.05E-10	20.0299
NR2F6	-0.873639	9.398494311	-12.5718	1.48E-13	1.20E-10	20.9375
GNAI2	-0.874005	9.845222227	-7.19756	4.91E-08	8.46E-07	8.395812
TAF6L	-0.874327	9.130046464	-8.37786	2.20E-09	7.25E-08	11.47858
FHL3	-0.87441	9.031779558	-6.61658	2.40E-07	3.14E-06	6.820728
CHMP1A	-0.875225	10.38485482	-9.53364	1.24E-10	8.10E-09	14.32135
C1orf198	-0.876722	9.655172597	-14.6411	2.76E-15	1.01E-11	24.79644
NAT6	-0.879553	8.299751907	-9.4104	1.68E-10	1.00E-08	14.02691
RPUSD1	-0.881035	8.612489649	-7.91872	7.21E-09	1.80E-07	10.29983

FAM89B	-0.881181	10.3365877	-7.44166	2.55E-08	4.96E-07	9.047101
PTGES	-0.881466	10.82441107	-6.89318	1.12E-07	1.67E-06	7.574704
ARF3	-0.882518	9.923758206	-6.5145	3.19E-07	3.95E-06	6.540765
FCGBP	-0.882699	9.460497659	-5.70989	3.04E-06	2.62E-05	4.309756
PIGQ	-0.883974	9.219769422	-9.78242	6.86E-11	5.14E-09	14.90939
CPTP	-0.88468	7.874753233	-10.3319	1.90E-11	2.13E-09	16.17814
B3GALT4	-0.885257	8.958783061	-10.3325	1.90E-11	2.13E-09	16.17949
BCL9L	-0.885769	7.704270817	-7.5087	2.13E-08	4.32E-07	9.224794
ZBTB45	-0.885977	8.14365778	-7.86553	8.29E-09	2.03E-07	10.16152
MIER2	-0.885981	7.087491028	-8.63372	1.15E-09	4.38E-08	12.12348
CSF1R	-0.886371	9.92040238	-3.66953	0.0009287	0.0037173	-1.28386
MCRIP1	-0.887106	7.610838291	-5.53172	5.03E-06	4.01E-05	3.812041
C15orf59	-0.887455	7.742467482	-4.83817	3.60E-05	0.0002196	1.876567
SHISA5	-0.887801	10.56869614	-9.241	2.53E-10	1.34E-08	13.61877
SUV39H1	-0.888186	8.980133851	-7.11107	6.21E-08	1.03E-06	8.16346
DHCR7	-0.88843	9.713649692	-6.14533	8.92E-07	9.20E-06	5.521724
RGMA	-0.888808	7.920677776	-5.7142	3.00E-06	2.59E-05	4.321779
CCDC120	-0.890861	9.338296301	-7.7861	1.02E-08	2.39E-07	9.954347
TESK1	-0.891284	9.368622596	-11.1103	3.28E-12	6.85E-10	17.90589
C17orf97	-0.89224	8.621497124	-4.51512	8.95E-05	0.0004883	0.983543
ZYX	-0.893177	8.918653198	-6.25756	6.52E-07	7.12E-06	5.832506
APH1A	-0.893518	10.06834564	-7.38639	2.95E-08	5.59E-07	8.900212
CLCN7	-0.894655	11.19161031	-9.376	1.82E-10	1.07E-08	13.94433
G6PC3	-0.894963	7.46497214	-6.14252	8.99E-07	9.27E-06	5.513931
PSD4	-0.895311	8.757762716	-9.75045	7.41E-11	5.47E-09	14.83429
EVPL	-0.899178	11.88324594	-7.23425	4.45E-08	7.79E-07	8.494134
ITPKC	-0.899854	8.537778027	-3.82822	0.0006036	0.0025629	-0.86926
MAGT1	-0.899906	10.547362	-3.22839	0.0029881	0.0104047	-2.39837
RAVER1	-0.900275	8.244698576	-8.52894	1.49E-09	5.37E-08	11.86045
NDN	-0.90048	8.11408406	-3.81673	0.0006228	0.0026319	-0.89949
RNF40	-0.901988	9.033536813	-10.6455	9.27E-12	1.34E-09	16.88384
TMEM158	-0.90249	9.864634409	-7.1257	5.97E-08	9.92E-07	8.202837
DCAF15	-0.902903	8.633670111	-8.05493	5.05E-09	1.33E-07	10.65235
MUL1	-0.903042	8.136770556	-10.2088	2.52E-11	2.60E-09	15.89753
ALOXE3	-0.907912	9.044692354	-4.57267	7.61E-05	0.0004231	1.141925
SERINC2	-0.908105	8.194007245	-4.8862	3.14E-05	0.0001953	2.010056
AMDHD2	-0.908428	8.131165984	-7.64836	1.47E-08	3.22E-07	9.59325
PPP1R13L	-0.90869	11.10023962	-8.2006	3.46E-09	1.01E-07	11.02673
ZBTB9	-0.908809	8.867622089	-8.87576	6.24E-10	2.70E-08	12.72545
ALKBH7	-0.909196	9.633827005	-5.98441	1.40E-06	1.36E-05	5.074813
ARHGEF19	-0.910074	9.850178163	-6.92956	1.02E-07	1.54E-06	7.673361
TMEM160	-0.910133	10.80020222	-7.4845	2.27E-08	4.55E-07	9.160703
CDSN	-0.910871	11.12621321	-2.9554	0.0059945	0.0191794	-3.05355
CLIC3	-0.910956	11.4932898	-7.24026	4.38E-08	7.69E-07	8.510222
FAM83H	-0.911288	10.82237492	-7.59622	1.69E-08	3.58E-07	9.455955
ANKRD33	-0.91188	9.310540991	-9.22782	2.61E-10	1.38E-08	13.58687
B3GALT6	-0.912605	8.995722919	-8.25218	3.03E-09	9.19E-08	11.15865
GTF3C1	-0.914183	9.39835012	-6.35396	4.98E-07	5.67E-06	6.0988
PKD1	-0.916866	8.332919244	-7.35375	3.22E-08	6.01E-07	8.813303
SF3A2	-0.916917	10.06572869	-4.51121	9.05E-05	0.0004924	0.972799
OGFR	-0.917419	8.582732178	-7.64409	1.49E-08	3.24E-07	9.582023
GRWD1	-0.917429	9.9262603	-8.36493	2.27E-09	7.44E-08	11.44576
SNAPC2	-0.918535	9.144059328	-7.09138	6.55E-08	1.07E-06	8.110458
TNFRSF1A	-0.918944	11.15744842	-8.92017	5.59E-10	2.47E-08	12.83504
RTN4R	-0.920318	7.817363664	-8.88411	6.11E-10	2.67E-08	12.74608
POMGNT2	-0.920747	8.572428015	-9.13196	3.31E-10	1.64E-08	13.35399
RYR1	-0.920764	7.975784649	-6.22026	7.23E-07	7.73E-06	5.729295
CSK	-0.920853	10.53705085	-7.30307	3.69E-08	6.71E-07	8.678148
ZC3H3	-0.921113	9.659795115	-14.1514	6.82E-15	1.65E-11	23.92592

TBL3	-0.922865	8.410049962	-8.16057	3.84E-09	1.07E-07	10.92414
RHOG	-0.922925	10.57035056	-8.34893	2.36E-09	7.66E-08	11.40513
GATA3	-0.92342	10.48383664	-3.63473	0.0010201	0.0040347	-1.3739
PRKCSH	-0.92358	8.269680875	-9.31778	2.10E-10	1.18E-08	13.80423
CCDC3	-0.923707	11.54855504	-6.33815	5.20E-07	5.90E-06	6.055167
MBOAT7	-0.923767	9.022988385	-8.61255	1.21E-09	4.55E-08	12.07046
TMUB1	-0.924589	9.799551654	-7.19614	4.93E-08	8.47E-07	8.392001
HES5	-0.924929	9.757912666	-4.58934	7.26E-05	0.000406	1.187848
DACT2	-0.925543	8.064731101	-5.62406	3.87E-06	3.22E-05	4.07008
TRPV2	-0.92766	7.06089475	-5.26664	1.07E-05	7.72E-05	3.071051
BORCS6	-0.928114	8.032349962	-10.5075	1.27E-11	1.70E-09	16.57496
KCNK7	-0.929214	10.79152233	-7.23735	4.41E-08	7.74E-07	8.502425
CANT1	-0.92973	9.145765156	-9.85015	5.85E-11	4.69E-09	15.068
MRPS2	-0.932149	9.316196094	-8.61304	1.21E-09	4.55E-08	12.07169
MED16	-0.934351	8.702120549	-9.89675	5.24E-11	4.27E-09	15.17677
SAMD4B	-0.934565	8.355465786	-8.52245	1.52E-09	5.43E-08	11.84409
ITPKB	-0.934967	8.32400727	-6.96287	9.29E-08	1.43E-06	7.763535
NDUFV1	-0.935573	11.08836278	-10.2203	2.46E-11	2.60E-09	15.92391
ATXN7L3B	-0.937301	10.19734547	-10.6418	9.35E-12	1.34E-09	16.87571
CTSF	-0.937368	8.916732377	-5.78243	2.48E-06	2.21E-05	4.512201
CLN8	-0.937717	7.295111473	-5.28775	1.00E-05	7.32E-05	3.13006
REXO1	-0.937733	8.003963632	-8.85015	6.65E-10	2.84E-08	12.66213
C7orf26	-0.938867	9.771768165	-9.80046	6.58E-11	5.04E-09	14.95169
BRD3	-0.939068	10.0489167	-9.96121	4.50E-11	3.83E-09	15.32674
DMWD	-0.939561	7.640560217	-5.76833	2.58E-06	2.28E-05	4.472858
ACSS1	-0.939662	8.699078279	-8.27321	2.87E-09	8.85E-08	11.21233
STAT5A	-0.941133	8.945807431	-7.7045	1.27E-08	2.83E-07	9.740715
INTS1	-0.941274	9.476981229	-11.4168	1.68E-12	4.45E-10	18.56411
ZNF500	-0.94154	7.973782065	-7.28096	3.92E-08	7.05E-07	8.619087
UCP2	-0.942041	7.329138795	-4.10758	0.0002798	0.0013116	-0.12559
PTMS	-0.94401	10.29558508	-6.19542	7.75E-07	8.20E-06	5.660505
PCIF1	-0.946679	7.746620097	-8.41618	1.99E-09	6.70E-08	11.57573
ZNF574	-0.947741	7.593511881	-10.0433	3.71E-11	3.43E-09	15.51685
FLOT2	-0.947747	11.36093879	-7.77453	1.05E-08	2.45E-07	9.924105
EPHB6	-0.947923	11.65915296	-7.60944	1.63E-08	3.49E-07	9.490808
SCNN1B	-0.948248	9.165387823	-6.58321	2.64E-07	3.39E-06	6.729296
SCAND1	-0.948293	9.149733126	-6.99469	8.52E-08	1.34E-06	7.849603
KRT80	-0.94859	10.85833239	-7.31616	3.57E-08	6.53E-07	8.713087
ADCK2	-0.952115	11.11253435	-14.8837	1.78E-15	8.64E-12	25.21846
CYBA	-0.953703	9.103493682	-4.93083	2.77E-05	0.0001748	2.134183
CD74	-0.953754	10.49437908	-4.95545	2.58E-05	0.0001645	2.202722
MXD4	-0.95524	11.46607949	-12.6351	1.30E-13	1.10E-10	21.06282
HSD3B7	-0.956096	8.217213104	-7.34623	3.29E-08	6.09E-07	8.793276
NOTCH3	-0.95614	10.95819091	-5.90132	1.77E-06	1.65E-05	4.843574
PNPLA6	-0.957256	9.487146609	-9.22608	2.63E-10	1.38E-08	13.58264
RAB40C	-0.95825	12.90917354	-6.23207	7.00E-07	7.54E-06	5.76199
C2orf68	-0.959021	7.777710017	-7.87157	8.16E-09	2.00E-07	10.17726
ZNF581	-0.959734	10.41448251	-8.30044	2.68E-09	8.42E-08	11.28174
ATG2A	-0.959936	8.734617431	-8.00887	5.70E-09	1.48E-07	10.53341
MFSD5	-0.96035	11.06414745	-6.20398	7.57E-07	8.03E-06	5.684234
DAG1	-0.960604	10.05206697	-6.99144	8.59E-08	1.34E-06	7.84083
CAPNS1	-0.96172	9.276117751	-5.40874	7.13E-06	5.44E-05	3.468264
LTB4R2	-0.961959	9.035719448	-8.42081	1.97E-09	6.64E-08	11.58745
MAN2B1	-0.963647	8.533091836	-8.091	4.60E-09	1.24E-07	10.7453
DNASE1L2	-0.966158	8.871517614	-4.29451	0.0001662	0.0008405	0.380142
SPPL3	-0.966182	8.441977403	-8.33588	2.45E-09	7.87E-08	11.37195
COQ8A	-0.967853	9.694023321	-8.95619	5.11E-10	2.31E-08	12.92373
VPS37B	-0.968575	8.678164905	-9.10874	3.50E-10	1.71E-08	13.2974
R3HDM4	-0.969155	10.82794851	-9.28259	2.29E-10	1.25E-08	13.71935

HBA2	-0.969308	9.927609105	-2.88459	0.0071523	0.0222743	-3.21843
ZDHHC12	-0.970939	9.407140491	-8.54116	1.45E-09	5.24E-08	11.8912
RXRA	-0.971659	12.64980691	-6.64986	2.19E-07	2.91E-06	6.911791
TMEM109	-0.972415	10.80705228	-12.1735	3.36E-13	2.04E-10	20.13785
TTLL12	-0.972903	10.52271789	-10.6667	8.84E-12	1.30E-09	16.93116
FXVD6	-0.974537	7.060757537	-5.84955	2.05E-06	1.87E-05	4.699345
DPP7	-0.976016	9.0256756	-7.41828	2.71E-08	5.22E-07	8.98502
NFIX	-0.977073	12.20368782	-11.3012	2.16E-12	4.93E-10	18.3173
CCDC97	-0.980429	9.131498321	-11.834	6.86E-13	2.61E-10	19.4407
PRSS8	-0.981003	10.69007993	-5.85787	2.00E-06	1.84E-05	4.722516
EPN1	-0.98134	12.23120715	-15.6156	4.89E-16	3.83E-12	26.45574
CRCT1	-0.983405	9.566800215	-2.70875	0.0110021	0.0321064	-3.61784
KRT15	-0.984757	12.00501583	-2.55428	0.0159014	0.044081	-3.95604
PEG3	-0.984878	7.15247592	-7.27496	3.99E-08	7.13E-07	8.603037
VPS18	-0.985601	8.152884629	-10.6674	8.82E-12	1.30E-09	16.93275
RPS6KA4	-0.986293	8.662812753	-8.57401	1.33E-09	4.90E-08	11.97377
TICAM1	-0.986437	10.59069236	-5.59713	4.18E-06	3.44E-05	3.994846
WDR13	-0.988911	9.721842192	-7.50629	2.14E-08	4.35E-07	9.218416
ATP6V0D1	-0.989931	11.23706623	-10.7108	8.00E-12	1.28E-09	17.02927
SLC9A1	-0.990142	9.917668981	-10.0074	4.04E-11	3.58E-09	15.4338
PIGT	-0.990598	10.0588967	-9.10637	3.52E-10	1.72E-08	13.2916
ARHGAP1	-0.991656	11.01687502	-13.3873	2.93E-14	4.37E-11	22.51579
PRKD2	-0.992111	7.942374237	-8.33868	2.43E-09	7.83E-08	11.37906
SLC35F6	-0.992318	9.225633937	-10.3734	1.73E-11	2.08E-09	16.27228
RNF24	-0.993549	8.636627489	-8.0788	4.75E-09	1.27E-07	10.71387
CENPB	-0.998112	12.33226013	-11.5152	1.36E-12	3.93E-10	18.77282
FAM69C	-0.999935	6.74775388	-7.41533	2.73E-08	5.25E-07	8.977164
SEMA4A	-1.004823	9.790604568	-6.32178	5.45E-07	6.12E-06	6.009957
ETNK2	-1.005667	6.860896516	-7.1446	5.67E-08	9.52E-07	8.253637
CAMSAP3	-1.006819	8.238593342	-7.19927	4.89E-08	8.43E-07	8.400392
CACNA1H	-1.010209	8.367291087	-2.83242	0.0081369	0.0248655	-3.33845
LZTS1	-1.010548	6.849306061	-7.22803	4.52E-08	7.89E-07	8.477457
CRY2	-1.010703	9.688547276	-8.28974	2.75E-09	8.57E-08	11.25448
SGSH	-1.011169	10.15835762	-8.18904	3.57E-09	1.02E-07	10.99712
GLMP	-1.011634	10.25018814	-9.80464	6.51E-11	5.01E-09	14.96148
ADAT3	-1.01253	8.092780601	-9.68531	8.65E-11	6.17E-09	14.68085
ZNF358	-1.013121	9.259900835	-7.57739	1.77E-08	3.73E-07	9.406288
EPHB3	-1.014052	9.058142098	-7.59577	1.69E-08	3.58E-07	9.454761
CCDC71	-1.015077	7.973046764	-4.27101	0.0001775	0.0008909	0.316233
IGFBP7	-1.015131	7.225157643	-4.86629	3.32E-05	0.0002045	1.954704
INTS5	-1.018505	9.172964541	-8.84769	6.69E-10	2.85E-08	12.65605
LGALS3BP	-1.019025	8.340935113	-6.13203	9.26E-07	9.52E-06	5.484842
SLC48A1	-1.020236	8.577667475	-7.82115	9.31E-09	2.23E-07	10.04586
CEBPA	-1.02056	12.47781876	-6.9709	9.09E-08	1.41E-06	7.785271
PTGDS	-1.020979	6.546717959	-5.81064	2.29E-06	2.06E-05	4.590856
MNT	-1.022103	9.334801214	-7.15056	5.58E-08	9.39E-07	8.269665
MARCKSL1	-1.024423	8.977340745	-8.36641	2.26E-09	7.44E-08	11.44952
GRINA	-1.025121	9.222884463	-7.46692	2.38E-08	4.71E-07	9.114117
MAP3K11	-1.026681	8.843390896	-10.5976	1.03E-11	1.46E-09	16.77703
JADE2	-1.026755	8.518431125	-8.75342	8.48E-10	3.42E-08	12.42216
ZNF296	-1.029385	9.533418063	-8.10897	4.39E-09	1.20E-07	10.79156
SELM	-1.030152	8.810767117	-4.70267	5.27E-05	0.0003058	1.500891
GRN	-1.033064	10.89770561	-10.8238	6.21E-12	1.14E-09	17.27929
TRIM28	-1.033551	9.885697921	-10.3898	1.66E-11	2.04E-09	16.30952
SCARB1	-1.03412	8.181163101	-9.2249	2.63E-10	1.38E-08	13.57978
ZNF213	-1.035172	8.942498525	-10.4784	1.36E-11	1.77E-09	16.50947
CHPF	-1.037717	7.897628038	-9.80573	6.49E-11	5.01E-09	14.96405
MVP	-1.038038	9.23334296	-8.78912	7.75E-10	3.17E-08	12.51088
TSPAN33	-1.038186	8.687583971	-5.76589	2.59E-06	2.29E-05	4.466057

SNX33	-1.038266	8.647887464	-9.17116	3.00E-10	1.55E-08	13.44938
LCN2	-1.038736	7.844426045	-4.29758	0.0001648	0.0008351	0.388494
ILVBL	-1.039483	10.47643988	-11.8801	6.22E-13	2.46E-10	19.53618
MAP1S	-1.039922	7.523637708	-8.19351	3.53E-09	1.02E-07	11.00858
WNT7B	-1.040843	7.9726657	-8.78059	7.92E-10	3.22E-08	12.48971
C19orf24	-1.04164	8.458764036	-7.25475	4.21E-08	7.44E-07	8.549005
WASF2	-1.042181	10.09070472	-7.41364	2.75E-08	5.27E-07	8.972672
PPDPF	-1.042379	8.759193741	-6.94535	9.74E-08	1.49E-06	7.71611
PLOD3	-1.045407	8.597773568	-5.2618	1.08E-05	7.81E-05	3.057533
GPT	-1.046179	9.081146835	-8.57957	1.31E-09	4.88E-08	11.98772
LRFN3	-1.04674	8.987132637	-10.3521	1.81E-11	2.09E-09	16.22406
TMEM238	-1.049251	11.07128151	-8.52118	1.52E-09	5.43E-08	11.84089
C11orf68	-1.050433	7.578584251	-7.27787	3.95E-08	7.09E-07	8.610833
PGLS	-1.050805	11.12837283	-8.84565	6.73E-10	2.86E-08	12.65101
CNNM3	-1.050949	8.334392742	-10.1041	3.22E-11	3.08E-09	15.65723
ADAP1	-1.051293	8.325876915	-5.52464	5.13E-06	4.08E-05	3.792257
IRF2BP1	-1.051464	7.883402831	-7.44915	2.50E-08	4.90E-07	9.066979
PYGB	-1.052462	9.903207702	-8.28932	2.76E-09	8.57E-08	11.25341
SH3BGRL3	-1.052605	11.00474356	-7.88249	7.93E-09	1.95E-07	10.20566
LCE5A	-1.053418	8.148855535	-2.82623	0.0082618	0.0251957	-3.35261
PALM	-1.054183	7.544714853	-8.07889	4.75E-09	1.27E-07	10.71412
RHBDD2	-1.054917	11.12161948	-8.15699	3.88E-09	1.08E-07	10.91495
CLPTM1	-1.056745	10.61570981	-9.8417	5.96E-11	4.74E-09	15.04824
MYH14	-1.057117	7.840271125	-10.788	6.72E-12	1.18E-09	17.20027
KLHL21	-1.057435	9.201881738	-6.55162	2.88E-07	3.66E-06	6.642653
SPINT1	-1.058763	8.5823511	-10.773	6.95E-12	1.20E-09	17.16713
PIP5K1C	-1.058937	8.725331134	-11.9939	4.90E-13	2.16E-10	19.77083
GPAA1	-1.059479	9.690866705	-6.88241	1.16E-07	1.72E-06	7.545481
CPA4	-1.061304	10.31329293	-5.58658	4.31E-06	3.52E-05	3.965359
PHYHIP	-1.062999	7.397012534	-6.46737	3.63E-07	4.39E-06	6.411199
TECR	-1.064319	13.40484847	-12.0926	3.98E-13	2.05E-10	19.97296
TSPAN10	-1.06498	7.201378223	-7.72141	1.21E-08	2.74E-07	9.785038
FAM234A	-1.067292	10.00764676	-9.96838	4.42E-11	3.80E-09	15.34339
RNF39	-1.069417	10.30474161	-4.83363	3.64E-05	0.0002219	1.863958
ESPN	-1.070858	8.752056983	-7.61985	1.58E-08	3.40E-07	9.518211
PGAP3	-1.071029	9.839349203	-12.2759	2.72E-13	1.82E-10	20.34522
AGPAT2	-1.072472	8.772770563	-10.7293	7.67E-12	1.26E-09	17.07029
H1FX	-1.074212	10.15406491	-8.40293	2.06E-09	6.91E-08	11.54216
SDC4	-1.077956	11.50194857	-6.71639	1.83E-07	2.51E-06	7.093592
ZSWIM1	-1.078261	9.804135932	-11.6318	1.06E-12	3.20E-10	19.01854
DMTN	-1.078403	7.858957054	-8.23799	3.15E-09	9.42E-08	11.12239
PIK3C2B	-1.078611	8.783901934	-6.37793	4.66E-07	5.38E-06	6.16491
CTXN1	-1.079281	8.954925906	-4.74707	4.65E-05	0.0002743	1.623829
UBTD1	-1.079438	10.29942875	-12.5022	1.71E-13	1.26E-10	20.79922
DEGS2	-1.080243	8.942378462	-7.75492	1.11E-08	2.56E-07	9.87281
NDUFA4L2	-1.081311	10.55262055	-4.62818	6.51E-05	0.0003681	1.294994
SPRR4	-1.085275	7.964172702	-2.7993	0.0088266	0.0266334	-3.41399
HPS6	-1.088893	10.86527454	-16.1791	1.87E-16	3.63E-12	27.37307
RNF26	-1.089387	8.493002449	-10.0443	3.70E-11	3.43E-09	15.51927
PODXL2	-1.091213	7.910477317	-8.93222	5.42E-10	2.41E-08	12.86473
PLBD2	-1.091564	7.777777728	-8.30556	2.64E-09	8.33E-08	11.29477
GPC1	-1.093233	9.455754562	-9.28212	2.29E-10	1.25E-08	13.71822
TNKS1BP1	-1.093306	9.450785052	-10.431	1.51E-11	1.90E-09	16.40255
ATP5D	-1.093525	10.88509009	-8.96646	4.98E-10	2.27E-08	12.94898
ORAI1	-1.093708	10.07653603	-9.3873	1.77E-10	1.04E-08	13.97149
ZNF524	-1.095128	10.1907503	-10.3731	1.73E-11	2.08E-09	16.27157
DNAJC30	-1.100997	7.737334716	-6.27497	6.21E-07	6.82E-06	5.880649
VAMP2	-1.102906	9.646645212	-10.7007	8.18E-12	1.29E-09	17.00679
CITED4	-1.105895	10.57622732	-8.1601	3.85E-09	1.07E-07	10.92291

NBL1	-1.110083	11.99118244	-10.7668	7.05E-12	1.20E-09	17.15332
LRP3	-1.110345	9.442602352	-9.95434	4.57E-11	3.86E-09	15.31078
SPTBN2	-1.114708	8.358878421	-8.06018	4.98E-09	1.32E-07	10.66589
FHL1	-1.114782	8.13618886	-5.98447	1.40E-06	1.36E-05	5.074979
EEF1A2	-1.116095	8.925963273	-4.70835	5.19E-05	0.0003018	1.516595
ZFPM1	-1.118344	8.168768972	-9.06169	3.93E-10	1.88E-08	13.18248
BGN	-1.118397	12.69373821	-4.30687	0.0001606	0.000816	0.413774
ZNF282	-1.119151	8.803791659	-12.7624	1.01E-13	9.32E-11	21.31345
TIGD5	-1.124464	9.567477501	-10.8066	6.45E-12	1.17E-09	17.24135
MAST1	-1.134662	7.039819149	-8.84045	6.82E-10	2.88E-08	12.63813
NUDT18	-1.13587	8.590935974	-7.11792	6.09E-08	1.01E-06	8.18189
NPAS1	-1.13751	7.778500706	-9.25006	2.48E-10	1.32E-08	13.6407
C9orf16	-1.139154	8.881411016	-7.03934	7.54E-08	1.20E-06	7.970184
MVD	-1.139589	8.483595097	-10.0842	3.37E-11	3.19E-09	15.61142
CD207	-1.140026	9.386585065	-4.98006	2.40E-05	0.0001551	2.271257
QPRT	-1.141508	7.66856334	-7.33227	3.42E-08	6.28E-07	8.756046
FAM174B	-1.143843	8.054564058	-6.68467	1.99E-07	2.69E-06	7.006962
CYB561A3	-1.147565	10.81046739	-10.9815	4.36E-12	8.55E-10	17.62552
ZNF385A	-1.149566	9.70702315	-8.1285	4.17E-09	1.14E-07	10.84177
FCGRT	-1.14971	9.66286669	-6.64025	2.25E-07	2.98E-06	6.885501
SLC6A17	-1.15038	6.662067195	-9.45999	1.49E-10	9.16E-09	14.14563
MFSD12	-1.15372	7.641014972	-8.13687	4.08E-09	1.13E-07	10.86328
CCL22	-1.161942	8.172555966	-4.17215	0.0002338	0.0011251	0.048429
ATP6V0E2	-1.167555	9.32262311	-9.3079	2.15E-10	1.20E-08	13.78043
ARHGDI A	-1.175104	10.91379453	-11.7749	7.78E-13	2.74E-10	19.31795
VPS51	-1.178317	12.68972887	-12.0895	4.01E-13	2.05E-10	19.96656
SLC25A1	-1.19968	9.63789134	-7.98666	6.04E-09	1.56E-07	10.47596
KPRP	-1.200274	11.40559268	-3.34929	0.0021797	0.0079135	-2.09916
REEP6	-1.200988	8.393427326	-7.89898	7.59E-09	1.89E-07	10.24855
GPRIN2	-1.208552	9.033779058	-8.79158	7.70E-10	3.16E-08	12.51699
MC1R	-1.210452	7.721420846	-7.27389	4.00E-08	7.15E-07	8.600178
HBA1	-1.214905	11.05845909	-3.2921	0.0025317	0.009006	-2.24133
CTSD	-1.217714	10.43531359	-10.686	8.46E-12	1.30E-09	16.97416
PIK3IP1	-1.222504	10.15299043	-5.56395	4.59E-06	3.71E-05	3.902111
WFS1	-1.228944	9.776010404	-8.57534	1.33E-09	4.90E-08	11.97711
KRT77	-1.253084	10.85292169	-5.17339	1.39E-05	9.65E-05	2.810554
APOE	-1.256298	13.14517263	-8.58003	1.31E-09	4.88E-08	11.98888
RENB P	-1.257499	7.143403834	-6.36972	4.77E-07	5.46E-06	6.142268
NRTN	-1.258179	7.957956618	-11.247	2.43E-12	5.36E-10	18.20102
HS3ST6	-1.258843	8.638310881	-11.4302	1.63E-12	4.39E-10	18.59252
CRABP1	-1.282178	6.568428768	-6.90692	1.08E-07	1.62E-06	7.611984
SUSD2	-1.309537	10.68595972	-4.96155	2.53E-05	0.0001623	2.219723
SYT8	-1.310436	8.244161376	-4.95865	2.56E-05	0.0001634	2.211638
SNAR-A1	-1.328583	8.375486738	-3.51337	0.0014121	0.0053865	-1.68529
POU3F1	-1.330208	10.07732518	-7.40105	2.84E-08	5.42E-07	8.939221
KIF1A	-1.333842	6.61974566	-8.31589	2.57E-09	8.18E-08	11.32109
ZNF324	-1.34273	9.075491487	-10.0376	3.76E-11	3.46E-09	15.50378
CYGB	-1.363889	7.057940115	-7.20133	4.86E-08	8.41E-07	8.405913
CBX6	-1.368172	8.961653518	-9.85931	5.72E-11	4.61E-09	15.08941
LD OC1	-1.3707	9.194999428	-10.8038	6.49E-12	1.17E-09	17.23522
PSORS1C2	-1.373716	9.287123347	-3.96603	0.0004137	0.0018428	-0.50442
TUBB2B	-1.378899	7.359257119	-6.87039	1.20E-07	1.76E-06	7.512852
C15orf39	-1.396937	8.586119176	-14.5741	3.12E-15	1.01E-11	24.67879
UGT3A2	-1.409958	7.346798152	-4.4784	9.93E-05	0.0005342	0.882674
CD248	-1.442438	8.311734661	-8.52529	1.51E-09	5.41E-08	11.85123
LGI3	-1.54867	6.944866961	-10.0256	3.87E-11	3.51E-09	15.47592
SOX10	-1.578039	6.908848365	-9.80894	6.45E-11	5.00E-09	14.97156
DCT	-1.613131	7.358550951	-9.42678	1.61E-10	9.80E-09	14.06616
APOD	-1.729642	8.107692108	-6.7182	1.82E-07	2.50E-06	7.098548

TYR	-1.730768	7.285092572	-7.3893	2.93E-08	5.56E-07	8.907956
RPPH1	-1.808339	10.36524189	-5.30352	9.60E-06	7.04E-05	3.174114
IL34	-1.842321	9.61599443	-6.38792	4.53E-07	5.26E-06	6.192445
MLANA	-2.077793	7.498379097	-7.88861	7.80E-09	1.93E-07	10.22159
TYRP1	-2.268339	8.055487271	-6.7939	1.48E-07	2.10E-06	7.304893
PMEL	-2.924126	9.777240713	-10.8489	5.87E-12	1.09E-09	17.33454