

geneName	logFC	logCPM	PValue	FDR
ACAT2	1.97046794	6.6375677	2.86E-42	6.77E-38
LDLR	2.06620016	8.79440242	9.96E-36	1.18E-31
EBP	1.36013145	6.27872672	2.23E-33	1.76E-29
LSS	1.39481923	7.48339799	3.40E-31	1.85E-27
FDFT1	1.13882354	8.71042343	3.91E-31	1.85E-27
DHCR7	1.57050956	7.02755403	1.21E-30	4.79E-27
FDPS	1.81388878	8.19722777	2.26E-28	7.66E-25
HMGCS1	2.1031063	7.73074709	1.24E-25	3.68E-22
CYP51A1	1.29459301	7.25922549	1.22E-24	3.22E-21
DKK1	4.39792502	4.8942105	5.17E-24	1.23E-20
FGFBP1	3.19312983	8.60495745	2.45E-23	5.28E-20
FSTL3	2.7862231	6.07009374	6.98E-23	1.38E-19
MVD	2.02091087	6.59000832	6.42E-22	1.17E-18
S100A2	2.97066132	10.9613262	7.58E-22	1.28E-18
CTPS1	1.85131952	5.3702138	1.05E-21	1.66E-18
CLCF1	2.12892394	3.23378347	2.31E-21	3.42E-18
NOP2	1.3346112	5.76899351	3.30E-20	4.61E-17
TNFRSF12A	2.19050455	6.95130843	3.66E-20	4.82E-17
HS3ST2	7.14000296	0.91724072	9.10E-20	1.14E-16
PHLDA2	2.64851488	4.76415746	9.72E-20	1.15E-16
TUBB	1.66987354	9.21822204	2.44E-19	2.76E-16
IFRD2	1.29809321	5.93522658	5.42E-19	5.85E-16
SCD	1.91806869	9.79503713	1.19E-18	1.17E-15
RPS6KA4	1.65104267	6.04939416	1.82E-18	1.73E-15
RGS20	3.07848114	2.22758693	2.42E-18	2.20E-15
HMGCR	1.28641715	7.47432207	3.56E-18	3.13E-15
EMP3	2.29143563	3.54082416	4.39E-18	3.72E-15
FOSL1	4.32551182	3.99926975	8.33E-18	6.81E-15
NME1	1.75894135	4.8278185	9.23E-18	7.29E-15
TUBA1C	1.80089585	7.39123422	2.23E-17	1.70E-14
SRM	1.68212099	5.69436422	3.26E-17	2.42E-14
PPP1R14B	1.68292896	6.29772707	5.21E-17	3.74E-14
NCLN	1.19824527	6.57691103	6.54E-17	4.56E-14
RAB32	2.07509595	3.84470406	1.31E-16	8.37E-14
CARD10	2.35924586	4.89888171	1.89E-16	1.18E-13
BOP1	1.50777301	5.34418618	2.97E-16	1.80E-13
FADS2	1.74912287	8.0639154	4.90E-16	2.83E-13
PFN1	1.22872285	9.13745426	5.00E-16	2.83E-13
MTHFD1L	2.11109193	4.53400598	5.12E-16	2.83E-13
FLNA	2.32890939	9.83641376	5.12E-16	2.83E-13
RRS1	1.22042784	4.71221874	8.60E-16	4.53E-13
SLC39A14	1.31362101	4.96561151	1.28E-15	6.59E-13
ACTG1	1.25447204	11.406802	1.39E-15	7.04E-13
TUBA4A	1.94216128	7.3252971	1.74E-15	8.61E-13
PPRC1	1.1483864	5.63781156	2.00E-15	9.68E-13

DUSP5	3.387935	4.52777397	3.49E-15	1.66E-12
RTN4R	1.45349854	2.27169817	3.63E-15	1.69E-12
SH3BGRL3	1.42692551	8.04707925	5.17E-15	2.32E-12
NOP16	1.66169669	4.74719938	6.15E-15	2.70E-12
SH2D3A	1.27014333	5.74804592	6.28E-15	2.71E-12
IRAK1	1.03855775	7.41412281	6.90E-15	2.92E-12
ANXA3	2.42403607	6.87423048	1.16E-14	4.82E-12
PLK3	1.46560619	3.81323199	1.55E-14	6.35E-12
UPP1	3.05716091	4.48322033	2.24E-14	8.98E-12
TMSB10	1.613311	9.63094767	2.62E-14	1.04E-11
ELOVL6	2.53658586	4.59598834	3.26E-14	1.25E-11
MRT04	1.25669983	5.45755078	3.28E-14	1.25E-11
HBEGF	2.83492449	4.13006891	3.56E-14	1.34E-11
MYC	2.18920158	6.25654041	3.97E-14	1.47E-11
TRMT1	1.14503999	4.8422916	4.31E-14	1.57E-11
ACTB	1.3848483	11.6287991	5.18E-14	1.86E-11
MYO19	1.27540348	5.84809401	6.75E-14	2.32E-11
TUBB6	2.69689831	7.34470769	7.35E-14	2.49E-11
PVR	1.67801925	6.00881715	9.07E-14	2.99E-11
TOMM40	1.18363433	6.13344623	1.11E-13	3.61E-11
BYSL	1.25207029	4.5707772	1.30E-13	4.12E-11
EFNB1	1.62280704	6.56783584	1.55E-13	4.84E-11
CCDC86	1.13704653	4.95415543	1.72E-13	5.23E-11
DDX21	1.24312131	7.20464379	2.04E-13	6.00E-11
MAPKAPK3	1.43167245	6.25576171	2.05E-13	6.00E-11
VAR5	1.14532367	6.73781046	2.35E-13	6.76E-11
AREG	5.2029553	0.2279381	2.37E-13	6.76E-11
LAMA3	2.58522263	8.84788613	2.55E-13	7.19E-11
MICAL2	1.91820614	4.45837691	2.97E-13	8.18E-11
CYR61	2.68532226	6.28225132	3.18E-13	8.56E-11
MPV17L2	1.04410355	3.7180124	4.30E-13	1.12E-10
SH2D5	5.55595854	2.58273891	4.80E-13	1.24E-10
MAP4K4	1.25381689	7.26183707	4.86E-13	1.24E-10
CTSF	-1.5014468	3.75224065	4.99E-13	1.26E-10
RHOD	1.43583754	6.51306233	5.39E-13	1.35E-10
GLIPR1	3.1878405	3.72063947	5.57E-13	1.38E-10
C11orf24	1.06734497	4.67917782	5.78E-13	1.41E-10
TPM4	1.63686029	8.93416808	7.71E-13	1.81E-10
NLN	1.31195742	4.13075053	7.84E-13	1.82E-10
LAMC2	2.02170345	10.3257494	9.92E-13	2.24E-10
PLP2	1.11656875	6.97163732	1.08E-12	2.42E-10
NETO2	1.61178745	4.58707282	1.12E-12	2.47E-10
ZBED2	3.72476824	3.47469046	1.21E-12	2.65E-10
CAV1	2.56897921	7.95884884	1.39E-12	3.03E-10
GAL	5.54151048	-0.546759	1.53E-12	3.28E-10
FBXL6	1.1113126	4.06294443	1.62E-12	3.44E-10

IMPDH1	1.15088197	5.63093648	1.87E-12	3.91E-10
CAV2	1.52980776	6.6755762	1.91E-12	3.97E-10
TNFSF9	1.56096938	3.1718598	2.00E-12	4.13E-10
WDR4	1.24678589	3.73005287	2.18E-12	4.41E-10
MST1R	1.26813025	6.21938023	2.86E-12	5.60E-10
YRDC	1.13286569	4.45242197	2.90E-12	5.63E-10
LRRC8A	1.49180046	8.17694547	3.52E-12	6.74E-10
PUS1	1.05695134	4.02110781	3.52E-12	6.74E-10
TFPI2	2.68197597	4.24840917	3.95E-12	7.49E-10
FADS1	1.38536346	6.42958981	4.01E-12	7.54E-10
ACOT7	1.54088636	5.65619336	4.05E-12	7.55E-10
GLT25D1	1.2734347	6.15954144	4.08E-12	7.55E-10
PDLIM7	1.77510143	5.64331934	4.20E-12	7.72E-10
EIF5A	1.09165359	8.28365258	4.60E-12	8.38E-10
ATAD3B	1.53310977	3.90610399	4.82E-12	8.73E-10
SMTN	2.50304954	4.76788424	5.40E-12	9.70E-10
POP1	1.23595118	4.14152376	5.47E-12	9.76E-10
THBS1	3.54218988	8.39279204	6.19E-12	1.09E-09
DUSP7	1.88951848	5.92214644	6.96E-12	1.21E-09
UHRF1	2.27879278	4.52581548	7.13E-12	1.23E-09
SEMA7A	3.56543852	3.49959464	7.36E-12	1.26E-09
ADAMTS1	4.12168471	5.0167333	8.33E-12	1.41E-09
AOX1	2.80939703	3.18939538	8.46E-12	1.42E-09
ADORA2B	1.22057264	4.87214515	8.64E-12	1.44E-09
SNHG12	1.36429172	2.88432617	9.18E-12	1.52E-09
RPL22L1	1.52679566	4.57895266	1.05E-11	1.72E-09
ODC1	1.72168329	6.37414771	1.06E-11	1.73E-09
PRELID1	1.01385926	6.80743779	1.09E-11	1.77E-09
EGR1	2.07715298	6.18141325	1.32E-11	2.11E-09
ERRFI1	1.04639492	6.12284973	1.49E-11	2.35E-09
GJB3	1.54444188	6.24976241	1.69E-11	2.65E-09
SLC25A15	1.342504	3.09452247	1.77E-11	2.74E-09
MYO1C	1.04203876	7.39301865	2.28E-11	3.47E-09
S100A16	2.1706155	8.76042414	2.30E-11	3.47E-09
DUSP2	2.96610573	0.31260854	2.32E-11	3.49E-09
PRKAR1B	1.29876107	3.43879535	2.62E-11	3.85E-09
SOWAHC	1.14541231	5.09242029	2.63E-11	3.85E-09
PINX1	1.33468178	3.02992399	2.70E-11	3.92E-09
S100A10	1.83949996	9.06738807	2.71E-11	3.92E-09
CDC6	3.02556326	3.38995619	2.91E-11	4.11E-09
WNT7A	3.56827864	2.75876036	2.94E-11	4.12E-09
PKMYT1	3.51743616	2.96110384	3.14E-11	4.35E-09
FJX1	1.75360217	4.29869566	3.25E-11	4.45E-09
MSN	1.61216647	8.1832532	4.85E-11	6.49E-09
METTL1	1.33100838	3.13436405	5.13E-11	6.76E-09
ZYX	1.49302119	7.68599189	5.18E-11	6.79E-09

FST	2.78009426	5.89071321	5.34E-11	6.88E-09
CLTB	1.39082358	7.54663249	5.61E-11	7.19E-09
LOC10012888	2.26152477	1.71306247	6.08E-11	7.75E-09
CD3EAP	1.31328579	3.88018472	6.44E-11	8.12E-09
PTRF	1.65073727	7.82077601	6.76E-11	8.44E-09
SOLH	1.01582353	5.7992453	7.00E-11	8.70E-09
AEN	1.1475841	4.8341188	7.20E-11	8.80E-09
NPM3	1.46180433	4.33508115	7.30E-11	8.88E-09
ITGA3	1.33320523	9.3350364	8.15E-11	9.75E-09
SFN	2.25142305	9.43316088	8.52E-11	1.01E-08
TEAD4	1.62808088	2.86830249	9.66E-11	1.13E-08
TIMP1	1.9773801	7.52003033	9.86E-11	1.14E-08
KLHL24	-1.1582989	5.32700208	1.27E-10	1.44E-08
EIF6	1.02856661	7.35849957	1.38E-10	1.55E-08
TUBA1B	1.11261432	8.15848844	1.47E-10	1.63E-08
FASN	1.26597288	9.30749824	1.54E-10	1.69E-08
TAGLN	3.69028188	7.46986162	1.58E-10	1.72E-08
PUS7	1.10002555	3.72824836	1.78E-10	1.89E-08
GPR115	2.35621272	4.83961361	1.82E-10	1.91E-08
LRP8	1.54368888	4.42956448	2.21E-10	2.29E-08
MCM10	3.44835071	2.28673218	2.48E-10	2.54E-08
PHLDB2	2.031876	5.50737507	2.82E-10	2.88E-08
HMGA1	1.36586733	7.71491863	2.85E-10	2.90E-08
LINC00707	4.95528616	2.50368496	2.90E-10	2.94E-08
AUNIP	2.78662312	0.87513469	2.91E-10	2.94E-08
MAFF	1.58692367	4.13336444	3.13E-10	3.15E-08
IDI1	1.06320613	6.75190255	3.31E-10	3.29E-08
ESYT1	1.04902497	7.48966963	3.38E-10	3.34E-08
ADCY3	1.20724762	4.77403777	4.03E-10	3.87E-08
PKP3	1.24120072	7.38316234	4.17E-10	3.98E-08
MYBL2	3.13106162	3.46565349	4.75E-10	4.45E-08
CORO1C	1.05058715	6.9467046	5.13E-10	4.75E-08
TMC7	1.77526804	2.4471591	5.31E-10	4.86E-08
SAMD4A	1.72897521	3.93695508	5.45E-10	4.97E-08
CLMP	3.85250457	1.5793814	5.62E-10	5.09E-08
KRT17	2.50867658	11.6600929	6.30E-10	5.58E-08
SNHG15	1.28419372	3.13226863	6.31E-10	5.58E-08
PLAUR	2.4467049	4.16412792	6.39E-10	5.64E-08
MPP3	1.76753316	1.31686436	6.58E-10	5.73E-08
C6orf141	3.1745608	0.33251532	6.61E-10	5.74E-08
BSCL2	-1.2472001	1.63465497	7.21E-10	6.21E-08
LOC10028731	2.35493293	1.23440955	7.54E-10	6.45E-08
CREB5	2.56307317	0.51057432	7.94E-10	6.75E-08
INF2	1.76334575	6.63182271	8.07E-10	6.83E-08
EHD1	1.39884896	6.24623958	8.28E-10	6.96E-08
TINAGL1	2.46661323	7.35419643	8.54E-10	7.11E-08

HN1	1.10586712	7.19540068	8.55E-10	7.11E-08
LAMB3	1.70770685	9.44896412	8.58E-10	7.12E-08
RND3	1.17554577	6.60894275	8.77E-10	7.25E-08
IL18	1.39255837	5.4406571	9.79E-10	8.00E-08
C19orf33	1.12479893	6.87969656	1.11E-09	8.98E-08
VCL	1.16988294	7.744688	1.13E-09	9.09E-08
SLC7A5	2.68148466	7.47765519	1.18E-09	9.42E-08
NLE1	1.10376929	3.67323525	1.27E-09	1.00E-07
ALDH1B1	1.4716249	4.34703949	1.29E-09	1.01E-07
SLC27A4	1.29013031	5.48390206	1.37E-09	1.06E-07
PNP	1.10563191	6.01099797	1.43E-09	1.10E-07
COTL1	1.95990281	5.97650589	1.68E-09	1.28E-07
TMEM97	1.33072033	3.88679291	1.86E-09	1.41E-07
ARNTL2	1.58631681	5.52313218	1.97E-09	1.48E-07
E2F3	1.16752347	3.51684047	2.02E-09	1.50E-07
C12orf54	1.70919147	1.63865047	2.07E-09	1.54E-07
ACTBL2	2.37559084	1.19644663	2.21E-09	1.63E-07
LMNB2	1.00504666	6.90948779	2.34E-09	1.71E-07
LOC541471	1.86003934	3.71515384	2.50E-09	1.82E-07
TNFRSF10A	1.55702169	3.87209191	2.77E-09	1.98E-07
CYP26B1	2.62664971	1.44012423	3.27E-09	2.29E-07
MAP7D1	1.0981346	7.26064052	3.27E-09	2.29E-07
PIEZO1	1.32962073	7.21902423	3.55E-09	2.45E-07
TNS4	1.41725862	8.19384837	3.62E-09	2.49E-07
C19orf48	1.34890323	4.78161578	3.84E-09	2.61E-07
KPNA2	1.04673897	6.01869816	3.84E-09	2.61E-07
CHEK1	2.07739181	2.54412913	3.85E-09	2.61E-07
FERMT1	1.74288481	6.27382181	3.94E-09	2.66E-07
ITGA6	1.92396641	7.98575167	4.98E-09	3.28E-07
PAICS	1.17079272	6.71464058	5.02E-09	3.30E-07
EGLN3	-1.6529615	5.11348606	5.23E-09	3.42E-07
CHAC2	1.36019188	1.31596619	5.60E-09	3.66E-07
SH3TC2	2.38869086	3.64569355	5.84E-09	3.79E-07
PLCB3	1.03716387	6.22739347	5.94E-09	3.85E-07
BNC1	1.52196647	5.98960471	6.36E-09	4.05E-07
CBX7	-1.0365825	5.66991924	6.91E-09	4.34E-07
RPS6KA5	-1.1226805	4.46192425	7.36E-09	4.58E-07
ISYNA1	-1.3001547	5.63740284	7.41E-09	4.60E-07
PROCR	2.36321872	2.87100087	7.44E-09	4.61E-07
LYAR	1.21246626	3.65488314	8.05E-09	4.93E-07
C10orf2	1.00252631	4.08798519	8.07E-09	4.93E-07
ANKRD33B	2.67947759	1.68637576	8.55E-09	5.20E-07
SNORA70	1.72247663	0.49307227	8.89E-09	5.38E-07
IL1RL1	7.21496582	4.02339463	1.02E-08	6.07E-07
TM4SF1	2.16476802	7.09008193	1.05E-08	6.25E-07
SLC3A2	1.06225674	7.04609567	1.12E-08	6.62E-07

KRT23	1.5670174	7.93864097	1.15E-08	6.75E-07
PCSK9	2.31321959	4.26681238	1.15E-08	6.78E-07
EXO1	2.98070233	1.6526741	1.23E-08	7.13E-07
ALDH1A3	1.39071568	9.77174155	1.27E-08	7.27E-07
S100A3	2.05290296	2.09416101	1.29E-08	7.31E-07
ACTN1	1.01857197	8.65923815	1.29E-08	7.31E-07
KRT8	1.00323475	10.6292241	1.29E-08	7.31E-07
FSCN1	2.35395603	6.9401539	1.37E-08	7.72E-07
ORC6	1.75744933	2.10811273	1.38E-08	7.75E-07
HMGA2	1.48531213	3.67426575	1.42E-08	7.94E-07
MOB3B	1.16743027	3.2420767	1.44E-08	8.03E-07
LGALS1	2.08049645	4.75060206	1.53E-08	8.44E-07
TONSL	1.5159156	3.25438875	1.54E-08	8.47E-07
PPP1R18	1.6492646	4.90255454	1.64E-08	8.94E-07
CDC45	2.88459573	2.64230884	1.72E-08	9.34E-07
TUBB3	3.20765011	5.30746482	1.95E-08	1.05E-06
RAP2B	1.19116641	4.9507926	1.97E-08	1.05E-06
RPSAP52	4.00886539	0.06440375	1.98E-08	1.06E-06
CLSPN	2.5250351	2.38149472	2.14E-08	1.14E-06
CCDC68	1.75799389	2.24089872	2.19E-08	1.16E-06
S100A14	1.97823402	8.79683097	2.44E-08	1.28E-06
LINC00152	2.46547095	2.38243865	2.44E-08	1.28E-06
MCM6	2.2155588	4.62942756	2.51E-08	1.31E-06
GALNT5	1.72996788	5.92476037	2.59E-08	1.34E-06
AHCY	1.0365371	7.53960112	2.61E-08	1.35E-06
RELT	1.50444484	2.02086505	2.63E-08	1.35E-06
NRG1	2.6349278	3.59000752	2.84E-08	1.44E-06
NT5E	3.27549811	3.57546528	2.85E-08	1.44E-06
SERPINE1	3.24182078	6.43225398	2.85E-08	1.44E-06
SERPINB8	1.07241961	5.53412562	2.92E-08	1.46E-06
MB	-1.3873545	4.4249751	3.06E-08	1.51E-06
ETS1	1.14715053	6.08401231	3.07E-08	1.51E-06
MAPK12	2.28270854	1.72237303	3.12E-08	1.53E-06
DTL	2.69466874	2.52223261	3.19E-08	1.56E-06
CORO1A	2.74853362	2.03483863	3.47E-08	1.67E-06
UNC13D	2.29595654	2.81591015	3.86E-08	1.84E-06
BEGAIN	2.83860094	-0.2753218	3.98E-08	1.89E-06
EDN1	3.01955215	3.9356868	4.06E-08	1.92E-06
TGFA	1.01486217	6.36119451	4.78E-08	2.21E-06
RPL35	1.03844483	8.23897253	4.83E-08	2.23E-06
LAD1	1.8431052	7.51552553	4.86E-08	2.24E-06
LOC10013009	-1.4850263	0.74764986	4.99E-08	2.29E-06
RBM3	1.04120409	6.67968912	5.03E-08	2.30E-06
AVEN	1.06222807	3.21252479	5.11E-08	2.33E-06
CD68	1.01136817	3.81539779	5.33E-08	2.41E-06
TMSB4X	1.45484641	9.32624844	5.65E-08	2.53E-06

GIN52	2.59474564	2.51824404	6.36E-08	2.82E-06
CREBRF	-1.1174354	4.04729194	6.50E-08	2.87E-06
RECQL4	1.63634876	3.22758297	6.89E-08	3.02E-06
SLC19A1	1.61301047	1.84664667	6.89E-08	3.02E-06
MDFI	1.50845189	4.87045502	7.32E-08	3.14E-06
APOBEC3B	1.80650238	1.34637672	7.33E-08	3.14E-06
KLHDC8A	-1.3727753	1.65936992	7.35E-08	3.15E-06
GPSM1	1.74808483	3.2123367	7.38E-08	3.15E-06
SEMA3B	2.30760505	2.68742376	8.62E-08	3.60E-06
SLC2A6	2.26395486	3.33641899	8.78E-08	3.64E-06
COL17A1	2.21577423	9.13401683	9.11E-08	3.76E-06
ADAM8	1.98970595	3.87645736	9.52E-08	3.91E-06
SNORA61	2.3847997	-0.6628938	9.92E-08	4.04E-06
SOX15	1.42162995	4.81180912	1.01E-07	4.11E-06
PLEKHN1	1.89373122	3.54147831	1.07E-07	4.31E-06
CCNA1	1.7125421	5.72482732	1.09E-07	4.36E-06
GPR146	-1.9284816	0.94084966	1.10E-07	4.38E-06
CCRN4L	1.45611007	2.7701705	1.58E-07	6.11E-06
MYL9	2.23464296	6.68428362	1.62E-07	6.23E-06
HAS3	2.23227953	5.12776462	1.68E-07	6.42E-06
ORC1	2.60834682	2.01623404	1.70E-07	6.47E-06
SCARB1	1.09899388	5.35151535	1.72E-07	6.51E-06
EGR3	2.72627419	1.07989417	1.73E-07	6.54E-06
AFAP1	1.03400502	5.40399185	1.80E-07	6.80E-06
DOK3	1.29303365	1.34597237	2.00E-07	7.48E-06
SSPO	-1.8276933	-0.1535651	2.00E-07	7.48E-06
PPAN	1.10042179	1.6035371	2.01E-07	7.48E-06
FEN1	1.3775805	4.72280536	2.02E-07	7.50E-06
GSG2	1.96395413	1.17054483	2.18E-07	8.08E-06
AURKB	2.49014001	2.19484909	2.54E-07	9.22E-06
MELK	1.888393	3.26839785	2.72E-07	9.80E-06
CDC42EP2	1.13868104	4.03140474	2.85E-07	1.01E-05
KLF7	1.1692647	4.89329681	2.86E-07	1.02E-05
TYMS	2.0993493	4.02954146	2.94E-07	1.04E-05
SHCBP1	2.66514434	2.28130622	2.99E-07	1.06E-05
IGFBP6	2.87153488	4.22078581	3.07E-07	1.08E-05
PITPNM2	1.79815076	2.61531	3.10E-07	1.09E-05
FUT4	1.17530683	2.79204405	3.17E-07	1.10E-05
MICA	1.07991079	4.20890686	3.31E-07	1.15E-05
APCDD1L	2.63882148	0.75320963	3.34E-07	1.16E-05
IL8	2.516673	6.20015283	3.36E-07	1.16E-05
E2F1	2.08870557	2.6680597	3.40E-07	1.17E-05
RRM2	2.38139655	4.83347716	3.57E-07	1.22E-05
CBLC	1.04442035	4.85289255	3.78E-07	1.29E-05
COMTD1	1.09721223	3.50465328	4.07E-07	1.38E-05
KLHDC1	-1.1143481	0.38364651	4.41E-07	1.48E-05

ZDHHC14	1.39332585	1.94008498	4.43E-07	1.48E-05
ADAMTS6	3.43673032	-0.4860382	4.90E-07	1.62E-05
POLE2	2.47562089	0.58188135	5.07E-07	1.67E-05
TSPAN4	1.41394456	3.83166401	5.07E-07	1.67E-05
TRIM16	1.34339958	6.94937712	5.53E-07	1.79E-05
LOC10050755	-1.3122934	1.40340676	5.64E-07	1.82E-05
MSMO1	1.12480731	7.20643108	6.12E-07	1.96E-05
CENPN	1.2016888	3.64383286	6.14E-07	1.96E-05
TGM1	2.22226791	7.15594609	6.24E-07	1.98E-05
PDK4	-1.2668595	4.38772284	6.43E-07	2.03E-05
SERPINA5	-2.9771684	0.7292243	6.45E-07	2.04E-05
PDLIM2	1.40231551	5.00643484	6.82E-07	2.14E-05
TGFB1I1	2.0111219	3.20818513	7.13E-07	2.23E-05
SERPINB2	2.77729403	8.33246003	7.31E-07	2.28E-05
CCND1	1.37249691	9.08876295	7.50E-07	2.33E-05
LIF	2.04921964	4.42449149	8.28E-07	2.53E-05
C16orf59	1.45906162	1.44631036	8.29E-07	2.53E-05
WDR86	-1.2353875	2.04825811	8.87E-07	2.69E-05
SPHK1	2.39001261	4.33076637	9.34E-07	2.81E-05
EMP1	2.69230233	6.65553227	1.06E-06	3.13E-05
FHL2	1.07524804	5.97954375	1.10E-06	3.23E-05
KRT7	1.2419786	9.95194966	1.18E-06	3.46E-05
AQP4	-1.3700968	2.89725641	1.26E-06	3.65E-05
PLS3	1.00665318	7.85304802	1.36E-06	3.92E-05
AKAP12	2.79669977	4.37519947	1.41E-06	4.05E-05
DIAPH3	2.20340969	1.95871421	1.46E-06	4.19E-05
MLKL	1.40976343	2.62554575	1.49E-06	4.26E-05
IL1R2	3.69168505	0.91444179	1.51E-06	4.31E-05
GIN51	1.83997776	2.21882373	1.55E-06	4.40E-05
MYH9	1.16899568	9.83127937	1.58E-06	4.47E-05
RNU86	2.30964592	-0.8782224	1.58E-06	4.47E-05
SH3TC1	1.56120763	3.9210211	1.61E-06	4.56E-05
EHD2	1.17052594	6.90265092	1.75E-06	4.89E-05
SERPINB5	1.54388641	8.63473943	1.83E-06	5.09E-05
TPX2	1.71987507	4.54519783	1.91E-06	5.29E-05
CDCA5	1.92954985	3.21272717	1.92E-06	5.29E-05
TNFSF10	-1.0353164	7.79835521	2.04E-06	5.57E-05
GALM	-1.2584194	3.97818414	2.09E-06	5.66E-05
LINC00857	1.45212937	2.65995914	2.10E-06	5.69E-05
MFI2	1.98702178	3.33827439	2.14E-06	5.78E-05
BCYRN1	2.38634137	0.24262917	2.21E-06	5.92E-05
CD14	-1.5552089	4.46847027	2.38E-06	6.32E-05
C17orf96	1.32801219	2.03030902	2.54E-06	6.69E-05
FAM111B	2.817917	2.77927054	2.64E-06	6.89E-05
CYP27A1	-1.0538637	5.34394577	2.73E-06	7.06E-05
SOX2-OT	-1.2759636	2.54308639	2.73E-06	7.07E-05

NUPR1	-1.0399529	7.30641587	2.74E-06	7.07E-05
PLEC	1.13163414	9.4875083	2.78E-06	7.17E-05
COL22A1	2.79832344	2.84212234	2.85E-06	7.29E-05
ANXA2P1	1.18145938	1.07849055	2.86E-06	7.31E-05
F3	1.6987769	9.00711819	2.91E-06	7.43E-05
PDCD1LG2	2.86867059	0.61321226	3.01E-06	7.66E-05
PORCN	1.07659959	5.75455905	3.08E-06	7.80E-05
FAM194A	-1.6575926	-0.4223095	3.13E-06	7.91E-05
LETM2	1.21391067	2.71533352	3.17E-06	7.99E-05
ZWINT	1.57574011	3.881688	3.37E-06	8.42E-05
PDSS1	1.16706784	2.56363406	3.38E-06	8.45E-05
STRIP2	2.00074462	2.11724062	3.66E-06	9.08E-05
SNAI2	1.12943659	4.97740476	3.70E-06	9.16E-05
MYL7	6.40827491	-1.3291357	3.71E-06	9.18E-05
CD109	1.39926614	6.98221856	3.75E-06	9.26E-05
PRKCDBP	1.44014093	4.29899736	3.76E-06	9.26E-05
SRPX2	1.73076311	4.86897891	3.81E-06	9.34E-05
LINC00842	1.19012282	3.652474	3.94E-06	9.59E-05
THSD1	2.54851226	2.97684549	4.00E-06	9.71E-05
TMCC3	1.85354814	3.98954536	4.05E-06	9.81E-05
SLAMF9	3.80384728	-1.5110192	4.13E-06	9.98E-05
ADAT2	1.28226334	1.8670223	4.20E-06	0.00010096
SEPP1	-1.3460192	6.33495739	4.31E-06	0.00010342
PLAU	2.22091612	6.68742848	5.02E-06	0.00011828
SNORD34	2.9635994	-2.0225338	5.04E-06	0.00011855
BRIP1	1.40475853	1.89212438	5.19E-06	0.00012125
BOK	1.04578797	5.52547283	5.24E-06	0.00012217
CPA4	3.08524405	6.6404659	5.44E-06	0.00012617
TOB1-AS1	-1.1402476	0.22022743	5.72E-06	0.00013222
AIM1L	2.10187051	5.14781734	5.74E-06	0.0001324
LRRC8C	1.28990926	3.55167625	5.79E-06	0.00013311
CDH4	3.23427085	0.04233308	5.82E-06	0.00013361
OTOP2	4.00699205	-0.5176505	5.90E-06	0.00013488
ABCA13	-1.1186159	7.32822544	5.91E-06	0.0001349
PITPNC1	1.15479078	4.17282999	5.95E-06	0.00013557
DACT2	-1.6499715	1.25559873	6.02E-06	0.00013676
ALDH3A1	-1.1227885	10.6852133	6.11E-06	0.00013835
NLRP10	3.94774595	0.54666994	6.51E-06	0.0001461
CCNE2	2.36107988	1.14658608	6.56E-06	0.00014685
CAMK2N1	1.96410604	3.93271996	6.57E-06	0.000147
ANGPTL5	-1.7960032	-0.177612	6.65E-06	0.00014833
KCNK6	1.22803612	4.75803851	6.70E-06	0.00014904
ITGA5	1.79320307	5.35982166	6.91E-06	0.00015303
GPR3	2.81378102	-1.7222326	6.95E-06	0.00015392
CEACAM1	2.11065641	5.0966329	7.01E-06	0.00015508
CCT6B	-1.1790681	2.32364696	7.05E-06	0.00015563

CDC14A	-1.21171	5.71313563	7.07E-06	0.00015595
PNPLA3	1.8516142	2.13683579	7.30E-06	0.00016047
EME1	1.98663918	0.40064871	7.73E-06	0.00016829
ULBP2	1.77829928	2.9346627	8.07E-06	0.00017456
TICRR	2.30431767	1.79498215	8.12E-06	0.00017536
CHTF18	1.25961189	3.03155832	8.28E-06	0.00017782
KCTD15	1.16962287	4.14913843	8.31E-06	0.00017817
DUSP6	2.04606547	5.129255	8.40E-06	0.00017981
SDC1	1.11093419	9.4916858	8.50E-06	0.00018105
ACTA1	4.74860964	-1.2286126	8.66E-06	0.00018392
PRR22	1.15427998	1.05613764	8.70E-06	0.0001846
FLRT2	2.3834191	3.06536637	8.71E-06	0.0001846
SNORD104	1.56157814	-0.5082494	8.99E-06	0.00018957
DEPDC1B	2.19365293	1.36143078	9.29E-06	0.00019557
PRRT4	2.73249332	-1.4545026	9.43E-06	0.00019811
TUFT1	1.04363127	5.34291487	9.48E-06	0.00019868
KLF6	1.19077208	6.80841602	9.93E-06	0.00020689
SNORD35A	2.53844497	-1.7783459	9.94E-06	0.00020694
MROH8	-1.0507138	1.75704224	9.95E-06	0.00020704
SNORA67	1.71076361	0.03185304	1.01E-05	0.00020949
NCAPG	2.38366309	2.83528606	1.01E-05	0.00020981
BMF	-1.3525614	4.47985244	1.02E-05	0.00021044
INPP5J	-1.4139715	2.72403944	1.02E-05	0.00021059
PLK2	1.05589522	7.3616035	1.05E-05	0.00021542
GADD45A	1.20874822	5.71386673	1.05E-05	0.00021542
ERVMER34-1	1.33988711	1.82605436	1.05E-05	0.00021655
SLC22A3	2.79082244	1.58823089	1.07E-05	0.00021957
CENPV	1.13704026	1.34116764	1.09E-05	0.00022259
TMCC2	-1.0019928	4.49123813	1.13E-05	0.00022957
EFNB2	1.14599559	5.44453687	1.15E-05	0.00023204
SACS	1.29885105	2.78963376	1.15E-05	0.00023345
KIFC1	1.72765582	3.51797993	1.21E-05	0.00024433
KRT6A	2.17801674	11.9249867	1.23E-05	0.00024767
GPRC5A	1.43669421	7.88085117	1.23E-05	0.00024778
FGFR4	1.48342824	0.75393764	1.28E-05	0.00025541
PHKG1	-1.5740676	1.69983349	1.28E-05	0.00025608
TCF19	1.64438265	3.81276107	1.29E-05	0.00025761
SLC35F2	1.48018541	4.24410783	1.37E-05	0.00027086
MICALCL	1.46014742	2.3863068	1.38E-05	0.00027233
MMRN2	2.79192518	0.54714445	1.40E-05	0.00027469
ZMIZ1-AS1	-1.7211159	-1.2148608	1.44E-05	0.00028109
SPC24	2.45571592	0.02861012	1.44E-05	0.00028143
SLC16A1	1.20590843	5.06662277	1.47E-05	0.00028652
PLCD3	1.06120333	6.10163397	1.59E-05	0.00030402
ZNF367	2.15765138	1.32287312	1.59E-05	0.00030402
CD274	1.41251659	2.40453298	1.66E-05	0.00031519

SNORD76	1.61725472	-0.7698419	1.68E-05	0.00031833
GIN54	1.3659483	2.48656922	1.70E-05	0.00032061
SLC16A11	-1.4132702	2.72095239	1.70E-05	0.00032072
MIR647	2.357056	-1.8996512	1.72E-05	0.00032369
CXCL2	2.61887449	1.49395813	1.73E-05	0.00032462
TMEM191A	1.38391825	0.37148914	1.75E-05	0.0003271
CKS2	1.01209802	3.76747637	1.75E-05	0.00032741
SNHG1	1.09549513	4.12785998	1.75E-05	0.00032741
KLK10	1.46730329	8.16460891	1.76E-05	0.00032899
ZNF185	1.23430115	7.30381464	1.79E-05	0.00033311
RAB26	-1.0295779	3.00235709	1.83E-05	0.00033929
TRIM7	1.22948417	4.46678351	1.83E-05	0.00033929
MYH16	2.91137976	-0.8833922	1.85E-05	0.00034237
SNORD36A	1.49142089	-0.176354	1.87E-05	0.00034567
FGF5	2.69135733	0.70946607	1.93E-05	0.0003555
PLCH2	1.1780438	6.1893894	1.97E-05	0.00035997
LIPG	2.66164646	5.027328	2.00E-05	0.00036512
EREG	2.60388795	2.55668309	2.06E-05	0.00037316
HRH1	1.17736913	3.67472302	2.06E-05	0.00037349
DSCC1	1.80198007	0.97136772	2.06E-05	0.00037358
HDAC9	1.79305607	4.19815001	2.10E-05	0.00037819
KIAA0101	1.78379318	2.14508268	2.10E-05	0.00037822
CDRT1	1.64317994	1.60297236	2.17E-05	0.00038929
TNFRSF10D	1.01628669	5.41734262	2.20E-05	0.00039389
NABP1	1.40135746	4.07769632	2.25E-05	0.00040134
HNRNPA1P33	1.89055446	3.39441508	2.26E-05	0.0004038
MMP28	1.62068742	4.80841738	2.28E-05	0.00040639
CENPW	1.41942828	2.18357211	2.31E-05	0.0004104
YPEL1	-1.071019	2.30456361	2.35E-05	0.00041622
TK1	1.69389926	4.10049511	2.36E-05	0.00041749
MGAT5B	2.39320278	-1.5048129	2.39E-05	0.00042261
SFTA1P	2.69770249	1.37323268	2.41E-05	0.00042616
PRR11	1.51536942	3.17073637	2.46E-05	0.00043233
HSD17B1	1.59632948	2.77901003	2.48E-05	0.00043527
SPRY4	2.38442746	1.67234027	2.48E-05	0.00043543
MACC1	1.04405245	6.74806528	2.48E-05	0.00043568
C11orf82	1.93536503	1.39396715	2.52E-05	0.00044077
KIF23	1.48385222	3.75286489	2.55E-05	0.00044501
S1PR3	2.28801858	3.17857158	2.55E-05	0.00044501
C5orf4	-1.2079749	5.02011038	2.57E-05	0.0004475
ETV4	2.19186873	2.23865077	2.67E-05	0.00046289
PELI2	-1.1121987	3.23319172	2.70E-05	0.00046656
KRT80	1.05099563	6.80777041	2.72E-05	0.0004694
ASF1B	1.80769096	3.12785774	2.80E-05	0.00048018
UBE2C	1.94445259	3.20436027	2.81E-05	0.00048203
FOXM1	1.81560642	4.05184126	2.84E-05	0.0004862

FAM83G	1.02132198	4.88196548	2.85E-05	0.00048686
SPOCD1	2.96356899	2.64459751	2.86E-05	0.00048901
IGFBP5	-1.4664937	8.62007096	2.98E-05	0.00050789
CHST2	1.85521342	1.22070659	3.04E-05	0.0005154
RAD51	1.89512489	1.81785207	3.11E-05	0.00052572
FIBCD1	2.04583134	-1.4233123	3.13E-05	0.00052782
TH	3.50303689	-1.5005895	3.14E-05	0.00052978
SMIM1	-1.3205822	0.35768796	3.14E-05	0.00053035
LOC10028784	-1.5972828	-0.8436328	3.16E-05	0.00053141
CDH3	1.00147166	8.50692483	3.17E-05	0.00053339
LINC00478	-1.1111641	1.94988268	3.21E-05	0.00053817
SHISA2	-1.5100595	2.56145877	3.22E-05	0.00053846
MALL	1.42267809	6.93396238	3.26E-05	0.00054466
GPR98	-1.3252119	4.86864537	3.37E-05	0.00055774
KBTBD8	1.32136423	0.56135152	3.50E-05	0.00057711
MT1F	-1.2271211	0.88702166	3.51E-05	0.00057744
TGM4	2.96484362	1.56241619	3.53E-05	0.00057927
SOX7	1.07926629	4.0541571	3.56E-05	0.00058337
KLK9	3.49353866	1.79864765	3.56E-05	0.0005838
ANO1	1.89653101	4.09147455	3.57E-05	0.00058433
ISG15	1.07980774	3.84416769	3.59E-05	0.00058783
FAM134B	-1.0369956	4.03937775	3.73E-05	0.00060614
ASB9	-1.4476993	1.8010608	3.82E-05	0.00061725
RAD54L	1.93031752	1.61418996	3.85E-05	0.00062171
STMN3	1.46487793	3.58680703	3.97E-05	0.00063708
CA2	2.91717609	4.11115436	3.99E-05	0.00064025
C16orf74	1.53140383	3.69561131	4.02E-05	0.00064329
HYAL3	1.37757463	2.67540485	4.03E-05	0.0006441
MCM5	1.23137405	4.84116029	4.07E-05	0.00065029
MACROD2	-1.0363279	2.12194902	4.10E-05	0.00065347
NUCB2	-1.0747808	7.86832993	4.21E-05	0.00066607
ANXA8L2	1.3696139	4.22736869	4.42E-05	0.00069481
SNORA10	1.82924845	-1.2537779	4.46E-05	0.00069822
CD44	1.25127457	8.73056912	4.49E-05	0.00070216
CCNE1	1.56722223	1.56115112	4.50E-05	0.00070363
FBLIM1	1.24759875	6.42494629	4.58E-05	0.00071434
TACC3	1.4246794	4.2105653	4.82E-05	0.00074706
SLC2A3	-2.3534278	-1.0138083	4.83E-05	0.00074907
ITPRIP	1.13788929	5.07225994	4.90E-05	0.00075725
SALL2	-1.1528179	2.21472942	4.92E-05	0.00076017
N4BP2L1	-1.204573	0.71861246	4.95E-05	0.00076204
BIRC5	1.99071732	3.26072795	4.95E-05	0.00076231
NIPAL4	2.84190449	2.13513068	5.03E-05	0.00077254
LINC00324	-1.360259	-0.0115005	5.04E-05	0.00077355
RAB3B	-1.6957248	3.5358026	5.07E-05	0.00077719
RTKL1	1.03025695	0.50491635	5.28E-05	0.00080664

KLC3	1.11386088	3.5121822	5.38E-05	0.00081782
NUDT11	1.44282772	0.90157509	5.45E-05	0.00082488
LOC284454	1.32548168	2.83105163	5.51E-05	0.0008321
RAPGEF3	1.67504853	3.07843486	5.52E-05	0.00083391
PARK2	-1.0258896	1.35129069	5.69E-05	0.00085702
KLHL4	4.87280266	-1.3043546	5.74E-05	0.00086255
CDON	-1.0929513	3.98987212	5.77E-05	0.00086608
LEPREL1	2.1900818	5.0896926	5.94E-05	0.00088727
KIF18B	1.93249297	2.12417065	5.98E-05	0.00089028
KNCN	-2.1389085	-1.8851487	5.98E-05	0.00089028
ENPP5	-1.2999108	6.07178336	5.99E-05	0.00089028
AMOTL1	1.48150833	5.66513216	6.05E-05	0.0008979
LRRN4	3.47215991	-1.4505862	6.18E-05	0.00091192
PHLDA1	2.01033259	5.43245791	6.24E-05	0.00091705
CEP55	1.98985082	3.30120664	6.35E-05	0.00093083
MROH6	1.39553601	3.7936477	6.35E-05	0.00093083
MCF2L2	-1.5138127	0.47787635	6.46E-05	0.00094548
UNC79	-1.2788957	1.85811078	6.48E-05	0.0009465
ITGB7	1.57792834	2.26243289	6.59E-05	0.00096157
CALD1	1.25092096	6.54439559	6.63E-05	0.00096688
CDC25A	1.4550673	2.67725145	6.73E-05	0.00097762
KANK4	3.33068432	1.24069694	6.97E-05	0.00100506
SLC46A3	-1.0137203	5.85643436	7.03E-05	0.00101172
SVOPL	-1.1684554	2.72932539	7.29E-05	0.00104121
CCDC85B	1.03711116	3.13052397	7.44E-05	0.00106037
STAC	2.3310375	0.3671103	7.58E-05	0.00107613
MATN2	-1.1747355	4.56499599	7.63E-05	0.00108312
SCUBE3	-1.2382238	0.4406452	7.63E-05	0.00108326
RNASE4	-1.2961621	4.32063535	7.69E-05	0.00108921
KRT14	2.55772874	10.4899776	7.87E-05	0.00110908
NIPAL1	1.41618075	2.55821404	7.95E-05	0.00111824
GREB1L	3.43279226	-0.8496314	8.02E-05	0.00112613
FMO6P	-1.2135149	3.43783061	8.07E-05	0.00113058
PYGB	1.16144135	8.42341895	8.07E-05	0.00113058
ACVR2B-AS1	-1.411184	-1.1084574	8.08E-05	0.00113104
RGS4	-1.4841682	1.3868342	8.14E-05	0.0011376
PDGFD	-1.5911591	0.75603698	8.25E-05	0.00114908
ADA	1.67373052	2.90697428	8.48E-05	0.00117236
PLK1	1.71616449	3.62113676	8.58E-05	0.00118149
CHST9	-1.0627753	7.62702676	8.62E-05	0.00118459
JAG1	1.18301151	7.32010711	8.63E-05	0.00118527
SLC38A5	1.18675407	6.42534034	8.65E-05	0.00118626
APOC1	1.95909263	-0.3409837	8.65E-05	0.00118659
PEAR1	2.16413264	0.18917058	8.92E-05	0.00121654
AKR1C1	-1.027363	7.87376175	9.24E-05	0.00125148
SOGA2	1.06681371	3.29058178	9.33E-05	0.00126071

AP3S2	1.18195529	-0.7573183	9.75E-05	0.00130766
LOC729059	-2.153389	-2.0205844	9.82E-05	0.00131616
IL1B	3.97927256	2.9858286	0.00010001	0.00133588
FILIP1L	2.22896996	2.94151512	0.00010046	0.00134113
BMP1	1.37642231	6.10674615	0.00010107	0.00134779
CDCA8	1.3342553	3.11691374	0.00010107	0.00134779
ATPBD4-AS1	-1.232096	-0.4750233	0.0001021	0.00136004
SNCB	4.46899049	-2.8118634	0.00010221	0.00136064
PLEKHO1	1.09838427	2.03601456	0.00010297	0.00137004
PRSS3	2.96015367	2.90613548	0.00010309	0.0013709
SKA1	1.75370248	1.39475307	0.00010353	0.00137548
HJURP	1.84553127	2.42637053	0.00010579	0.00140125
PIWIL1	3.96929169	-2.8883068	0.00010613	0.00140505
WDR62	1.42196573	2.09351348	0.00010763	0.00141865
L1CAM	4.29043134	2.17101516	0.00010836	0.00142501
CDNF	-1.1196306	1.57884064	0.00011175	0.0014606
SNORD31	2.18130718	-1.4696279	0.00011315	0.0014729
KCNE1L	2.4919025	-2.1429541	0.00011446	0.00148623
C10orf55	2.14106328	-0.5521984	0.00011621	0.00150404
KIF2C	1.62939082	3.08822187	0.00012074	0.00155219
CCDC136	-1.1227921	1.81262506	0.00012506	0.00159853
SLC22A4	-1.0898815	5.58464671	0.00012635	0.00161409
ZNF540	-1.1751083	0.43136125	0.00012703	0.00162011
IL17B	-3.9995632	-2.9508542	0.0001285	0.00163537
LINC00494	-1.5261784	-0.1756786	0.00013509	0.00170373
HHIP	2.49841092	-1.8017296	0.00013673	0.00171804
MAPK11	1.40138309	3.43375317	0.00013778	0.0017285
COL27A1	1.34758521	4.07978732	0.00014164	0.00177122
FEZ1	1.81005889	3.3775097	0.00014384	0.00179408
USP51	-1.1638194	2.46476046	0.00014453	0.00179994
LZTS1	1.44626275	1.38101989	0.00014473	0.00180035
C1orf74	1.19465382	3.62514709	0.00015262	0.00188473
PLEK2	1.12759699	4.58497346	0.00015667	0.0019277
C4orf32	1.18113049	1.96345662	0.00015825	0.0019451
LOC389765	-1.0895828	0.36847956	0.00016066	0.00197161
C9orf96	-1.7039213	-1.6219473	0.00016913	0.00205436
EPPIN-WFDC6	-1.7336581	0.52073675	0.00017075	0.00207088
FAM64A	1.88309459	1.36990081	0.00017153	0.00207923
CCNA2	1.69684917	3.09192212	0.00017228	0.00208296
SLMO1	1.51867786	-0.7757009	0.00017289	0.00208826
ESPL1	1.59164347	2.75720945	0.00017416	0.00210053
IL1A	2.68713136	3.06044561	0.0001757	0.0021157
PHF19	1.25161148	3.36008479	0.00018242	0.00218755
MND1	1.59463942	0.47536138	0.00018409	0.00220113
SLC28A3	-1.0849369	3.18242045	0.00018471	0.00220741
NEXN	2.20637935	1.0038994	0.00018951	0.00225789

SLC51B	-1.1243599	2.58297073	0.00019058	0.00226541
PHACTR3	1.29347489	3.53706887	0.00019365	0.00229458
CDCA2	1.592627	2.05315677	0.00019597	0.00231863
SCEL	2.41914388	6.61145393	0.00020005	0.00235864
CLEC5A	4.98717181	-2.6385201	0.00020464	0.00239729
IL12RB2	1.66462475	0.9167556	0.00020551	0.00240298
FXYD5	1.53619014	4.85178062	0.00020554	0.00240298
PRC1	1.49898768	4.36351634	0.0002127	0.00247335
ESCO2	2.02132731	1.13658122	0.00021842	0.00253364
MXRA5	-1.3602146	4.18410053	0.00022697	0.00261994
CXCL3	2.37856162	1.62590133	0.00022986	0.00264557
SNORD38A	2.15391862	-1.856717	0.00023079	0.00265359
SNORA71C	4.00807897	-2.8158203	0.00023164	0.0026584
ECM2	-1.5145763	0.34560998	0.00023436	0.00268694
MIR4784	4.05183482	-2.7826385	0.0002345	0.00268724
UCN2	1.20258102	2.51808334	0.0002375	0.00271643
PHOSPHO1	-3.8777627	-1.2153285	0.00023995	0.00273914
SERPINE2	1.56015182	4.85911993	0.00024694	0.0027974
CCDC3	1.44369787	5.21199953	0.00024794	0.00280334
COL2A1	2.71149224	-1.5785843	0.00024926	0.00281297
ADAMTSL4	2.11240464	4.71866702	0.00025569	0.00287729
DYSF	2.61856314	1.10264124	0.00025736	0.00289331
SNORD48	2.26382999	-1.8611329	0.00025926	0.00291058
BMP2	1.53927139	2.25905585	0.00026629	0.00297253
GPR126	1.05132539	4.91712565	0.00026686	0.00297616
FRMD6	1.02978822	5.81663289	0.0002675	0.0029805
KIF15	1.75054966	1.60807638	0.00027066	0.00300772
MIR34B	-1.317089	-0.5694741	0.00027165	0.00301488
CKAP2L	1.63962197	2.17952624	0.00027645	0.00306
UCHL1	1.4864707	2.27600205	0.00027914	0.0030841
MYEOV	2.45956206	4.30958794	0.00028129	0.00310344
TSC22D1-AS1	-1.2407117	-0.6217125	0.00028541	0.00313799
KIAA1984	-1.0173964	0.74380847	0.00028655	0.00314685
CDC42EP1	1.14957422	5.08037956	0.00029013	0.00318467
SOCS3	1.06521629	4.77967704	0.00029215	0.00320248
BZRAP1-AS1	-1.1843501	0.82739614	0.00029469	0.00322529
KRT5	1.25258681	12.2355047	0.00029657	0.00324189
CMTM3	1.32638579	3.70337814	0.00029754	0.00325076
ENPP6	-1.5369147	-1.6450651	0.00029859	0.00325593
FZD2	-1.1048326	1.46204594	0.00030176	0.00328044
SPTBN5	1.44740781	1.7118791	0.00030373	0.0032974
FGF2	2.5495325	-0.7912555	0.00030824	0.00333413
MKI67	1.79443796	5.13417605	0.0003122	0.00336773
HOMER3	1.03929354	5.74043547	0.00031946	0.00342731
ANXA2P2	1.09710822	0.43624982	0.00032371	0.00346642
FAM101B	2.085103	2.2305562	0.00032383	0.00346642

SLC22A17	-1.1422535	1.55175896	0.00032434	0.00347023
LINC00293	-4.2197762	-2.8687742	0.00032543	0.00347877
GPM6B	-1.118249	2.08174774	0.00033108	0.00352809
KRT81	2.24136769	-0.4842262	0.00033344	0.00355085
ADAMTSL5	1.0477907	3.8390197	0.00035381	0.00373837
SNORA64	1.95442665	-1.5363373	0.00035579	0.0037506
KCNK10	3.27055729	-2.1226656	0.00035585	0.0037506
PIEZO2	-2.8618343	-0.7365608	0.00035595	0.0037506
IL23A	1.91754131	0.58049942	0.00035608	0.0037506
IL1RL2	1.22644844	0.78997444	0.00035709	0.00375961
LOC730091	-1.1796511	3.81809112	0.00036411	0.00382452
MFNG	3.52709782	-1.6268246	0.00036452	0.00382452
NCAPH	1.54343363	2.69730253	0.00037492	0.00391444
GJB2	1.92605534	8.39998618	0.00037594	0.00392147
EME2	1.03736696	1.96571951	0.0003826	0.00398748
COL4A2	2.0278416	4.72838832	0.00038361	0.00399272
SNORA76	2.73444681	-2.1885361	0.00038659	0.00402022
NWD1	-1.0238651	8.72563581	0.00038744	0.0040273
GNG7	-1.5372918	0.80804262	0.00038916	0.00403826
VSNL1	1.12287611	4.04766333	0.00039256	0.004068
ALOX12	1.62252117	-0.1334243	0.00039559	0.00409766
PPP4R4	-1.0176659	3.02346024	0.00039953	0.00413485
FLNC	1.70799787	1.32974354	0.00040107	0.00414899
GLIPR1L2	-1.1214758	1.36186445	0.00040192	0.00415413
SSC5D	-1.3449453	1.63232498	0.00040779	0.00419333
NFATC4	-1.2869634	3.19107707	0.00040784	0.00419333
SP6	1.56565829	2.74344364	0.00041296	0.00423314
ZNF488	1.10012947	3.25968863	0.00041898	0.00427274
KIAA1324	-1.5535059	6.2074508	0.00042436	0.00431822
CPNE7	2.59416749	0.66142599	0.00042711	0.00433696
AVPR2	-1.4681392	-1.4017407	0.00042833	0.00434557
TYRO3	1.01339287	3.40273864	0.00042913	0.0043519
CXorf58	-1.3483487	0.03366432	0.00042957	0.004353
GPR155	-1.0066292	2.7035129	0.00043352	0.00437949
AMIGO2	1.44450358	4.50906404	0.00043998	0.00442223
SPRR1B	2.65731092	8.16811384	0.0004416	0.00443471
DNAH5	-1.146222	8.0631375	0.00045279	0.00452408
RASL11B	1.33156949	1.03862657	0.00045467	0.00453794
PKIB	-1.4057428	3.18309179	0.00045648	0.00455136
ZNF365	1.22386985	2.48428178	0.0004615	0.00458979
SNORA24	1.82960074	-1.5015723	0.00046346	0.00460548
PKP1	1.39513004	8.49281955	0.00046519	0.00461874
PGBD5	1.74109009	3.18800009	0.00047126	0.0046673
KIAA1549L	2.07909278	1.97795306	0.00047728	0.0047107
ABCA5	-1.0212989	5.35942627	0.0005017	0.00490937
AEBP1	2.69517773	0.30763227	0.00050632	0.00493619

MMP3	-2.4270226	2.51590892	0.00051247	0.00498793
FADS3	1.50089909	3.34479086	0.00052667	0.0050948
SPAG5-AS1	-2.4616972	-1.7195026	0.00052938	0.00511471
KIAA1199	1.5574599	4.55669607	0.00053362	0.00514735
BUB1B	1.63286331	2.92139779	0.0005398	0.00519846
LOC338758	-1.2231203	-0.6655868	0.00054002	0.00519846
MT1L	1.31753339	1.07680387	0.0005424	0.00521717
RNASE7	1.71928306	2.38068332	0.00054651	0.00524602
ELFN2	1.38055016	4.22316808	0.00055068	0.00527329
NPPC	-3.4878687	-2.8773933	0.00056104	0.00535953
S1PR4	-1.175671	0.4439814	0.0005624	0.00537032
MIR34C	-1.1805251	1.17732907	0.00056906	0.005423
B4GALNT1	2.45540166	-1.8013752	0.00058677	0.00554613
SDSL	1.08468578	2.06239227	0.00058867	0.00555846
C19orf26	1.61556682	0.17428879	0.00059669	0.0056163
NES	2.46791676	1.07190666	0.00059748	0.00561999
CENPI	1.51532073	0.94164722	0.00060099	0.00564784
ALS2CR12	-1.1283351	4.19247345	0.00060296	0.00565735
LPO	-1.7531446	-1.3823052	0.00060723	0.00568842
ANGPTL4	2.30846262	3.901722	0.00061196	0.00572599
PSG5	2.88666726	-0.957446	0.00062864	0.00584673
CAMK4	2.91827183	-2.061391	0.00062881	0.00584673
FBXO15	-1.0889783	5.06379819	0.00063329	0.00587225
SLIT1	-1.1386496	2.87369542	0.00063958	0.005916
RMI2	1.29118556	1.27900178	0.00066042	0.00606687
EPGN	2.33551778	1.55430106	0.00067135	0.00615294
ZPLD1	4.02175722	-2.0402102	0.00067221	0.00615612
LOC285540	-1.0337696	-0.2248843	0.00067679	0.00619188
CRYM	-1.2889601	3.5877316	0.00067743	0.00619429
TIAM1	1.32514297	3.80376614	0.00069311	0.0063182
TMEM37	-1.0361607	4.77924394	0.00070512	0.00641292
GFRA1	-4.2570878	-2.6050628	0.00070723	0.0064271
KRTAP2-3	3.93030761	0.26374668	0.0007209	0.00652753
WNT10B	1.5924042	-1.2059217	0.00073169	0.00659387
NXPH4	-1.1571406	1.75505284	0.00073627	0.00663007
PLCXD2	1.94757214	-1.1984242	0.00073801	0.00663908
PDF	1.01290253	0.4195604	0.00075326	0.00675233
PPIAL4G	1.56860049	-0.8639325	0.00075374	0.00675406
KRT3	1.88861734	-0.4285506	0.00075932	0.00679633
AKR1B10	1.73813363	6.79732782	0.00076424	0.00682495
CLDN19	-2.0811224	-1.0811953	0.00076873	0.00685468
SLC6A11	2.89671992	0.26268321	0.00076924	0.00685666
TMEM198	1.01014729	1.51263234	0.00077765	0.00690306
SGK494	1.09296246	0.63844856	0.00077924	0.00691133
KRT18P55	2.00567468	-2.0450154	0.00078159	0.00692465
ANKRD22	1.72059899	2.57858956	0.00078221	0.00692541

C18orf56	1.92041496	-1.3340074	0.00078359	0.00692998
FIBIN	-1.2353353	3.10764186	0.00078578	0.00694478
GOLGA7B	1.82873867	1.72426698	0.00078586	0.00694478
PTCHD2	2.30308287	-0.405632	0.00079176	0.00698383
FGF1	1.96769701	1.76440736	0.00079768	0.00702038
LPAR5	1.19006573	2.94702488	0.0008041	0.0070664
SPARCL1	-2.5638695	0.11398092	0.00080681	0.00707975
RTKN2	1.33948226	1.88308704	0.0008191	0.00716589
SNORD96A	2.40806255	-1.7971878	0.00081935	0.00716589
PTAFR	1.12103846	5.90048466	0.00082381	0.00719964
DLX4	-1.035527	0.55664454	0.00083068	0.00725164
LGALS1	1.70216081	6.58324582	0.00085622	0.00742264
HAS1	3.83555128	-2.2542474	0.00086975	0.00752681
KRT16P1	2.09804791	-0.8891566	0.00086982	0.00752681
HPDL	1.46423267	-0.2158012	0.00087402	0.00755214
SH2D2A	2.75461235	-1.7184793	0.0008956	0.00771332
OLFML2B	-2.6213377	-0.6912349	0.00091261	0.00783414
UMODL1	-1.6226471	0.2905003	0.00092205	0.00790094
KIAA1524	1.1574172	2.21951284	0.00094189	0.00804475
TFF3	-1.6690284	5.63028134	0.00094411	0.00805787
LOC653786	3.54151381	-3.0073209	0.00095723	0.00815511
C1orf101	-1.0417984	1.36218103	0.00096685	0.00823121
GRK5	1.23474965	1.84786312	0.00097461	0.00829067
TNFRSF25	1.00124483	3.02101044	0.0009753	0.00829067
IQGAP3	1.58080762	2.80094632	0.00097558	0.00829067
RGS2	1.39804133	2.65651234	0.00097791	0.00830154
C11orf92	-1.1489316	6.16065815	0.00099319	0.00838624
AURKA	1.04829264	3.391101	0.00099671	0.00840394
ADAMTSL3	1.50390807	3.70323787	0.00100385	0.00843717
LINC00675	-2.2227785	-0.782121	0.00101616	0.00851347
METTL21EP	-2.8477428	-2.3124026	0.00102893	0.00859316
NXPH3	-1.297009	-0.6983126	0.00104515	0.00870405
SNORA51	2.59593958	-2.5053138	0.00104741	0.00871681
SNORA18	1.51967871	-1.194585	0.00104952	0.00873131
COL12A1	1.19844831	5.28367637	0.00105896	0.00879465
RFX8	-1.9434241	-1.988271	0.00106031	0.00880247
SPRED3	1.2610104	0.75770681	0.00106397	0.00882365
RTBDN	-1.9958051	-1.8844986	0.00109098	0.00901291
PROCA1	-1.0013463	1.25784025	0.00109289	0.00902555
ERCC6L	1.47418317	1.53091672	0.00110271	0.00908451
LRR3	1.52239544	0.34039605	0.00110417	0.00909041
SNORA6	1.8217747	-1.7524688	0.00110419	0.00909041
BOC	-1.6158167	2.92660323	0.00110777	0.00911674
LOC388796	1.04271678	3.44457086	0.00111759	0.00917701
SLC6A13	-2.1341759	-2.0736301	0.00112215	0.00920945
NOX5	-1.675733	-0.8007212	0.00112454	0.00922269

C14orf132	-1.028983	5.61069832	0.00113073	0.00926064
DNA2	1.22169364	1.32730583	0.00113712	0.00930014
LINC00441	-1.1840011	-0.5726618	0.00116274	0.00946726
CBX2	1.47143625	1.04681003	0.00117146	0.00952838
SNORD60	2.17922654	-1.9803562	0.00119978	0.00973204
CTSL2	1.65928175	5.88247622	0.00122603	0.00988412
SCNN1G	-1.3636933	2.50931281	0.00126699	0.01013851
UGT2B15	3.66026407	-2.6006506	0.00128677	0.01027248
GPR64	1.89995669	-0.6739257	0.00129539	0.01031811
SNORD99	2.27475321	-2.0687901	0.00129622	0.01032016
FXYP1	-1.4250542	1.86535205	0.00131366	0.01044494
SLC30A4	1.35083217	-0.1278817	0.00134127	0.0106335
AQP7	-1.0165769	2.83317011	0.00135025	0.01069008
KRT4	2.06877014	9.63770542	0.00135866	0.01073798
CYSLTR1	-2.0709851	-0.1863711	0.0013666	0.01077522
XRCC2	1.2759446	0.83111305	0.00136701	0.01077522
HKDC1	1.56901027	0.54172753	0.00137013	0.01079621
COL5A3	1.85540339	2.68762028	0.0013725	0.01081129
ADAMTS14	1.82625359	2.04548344	0.00139031	0.01092257
LAG3	-1.4247835	2.89069391	0.00140169	0.01098438
ESM1	3.01603752	-2.1694645	0.00143019	0.0111509
PPP5D1	-1.3417434	-1.2135673	0.00146003	0.01134572
PNCK	-1.8398388	-0.0348086	0.00146191	0.01134968
LMO2	-1.0612508	4.9309532	0.00148357	0.01148397
MSTO2P	1.19909846	-0.5100029	0.00151217	0.01165214
FLJ44313	-1.0579944	-0.7460846	0.00152986	0.01176552
LHFPL1	-1.2502356	-0.4549105	0.0015395	0.01182048
SLC7A2	-1.149923	7.03607039	0.00154267	0.01182946
CLDN22	-1.787833	0.60516435	0.00155087	0.01187494
TPM1	1.24732681	6.59903004	0.00160636	0.01220729
SNORD68	1.55490057	-1.3656944	0.00162482	0.01233576
TREM2	1.93946206	2.60630578	0.00166203	0.01256593
ARHGAP11A	1.12139016	3.39032293	0.00167015	0.01261527
TROAP	1.44049315	1.88131084	0.00167385	0.01263513
ITIH6	-1.5056861	-1.2370738	0.00169905	0.01278062
WFDC6	-1.3422908	2.59565021	0.00174971	0.01307044
SNORA62	2.06685305	-1.7017673	0.00176383	0.01314697
NMU	1.51587612	1.4052129	0.00176422	0.01314697
FMNL3	1.00632912	1.45037405	0.00177614	0.01320961
RPTN	3.29077608	5.06184072	0.00179284	0.01329632
PROS1	-1.3777317	6.70362983	0.00180169	0.01334938
EGF	-1.0876681	1.80775253	0.0018228	0.01347216
SCN1B	-1.2164713	0.61302592	0.00182444	0.01348008
NDUFA4L2	-2.3030243	2.07937018	0.00183308	0.01353127
IER3	1.10929064	5.35138436	0.00183928	0.0135728
AXL	1.07720894	3.86513289	0.00185581	0.01366499

MFAP4	-2.4168645	-0.3301331	0.0018634	0.01370388
TRPV3	1.88863572	0.41648583	0.00187053	0.01373923
HESX1	-1.2279112	-0.6795701	0.00187489	0.0137627
XDH	1.81899279	3.78596592	0.00191674	0.01401786
CD52	3.39013749	-3.0048953	0.00195157	0.01419379
ZNF853	-1.0011736	3.12850544	0.00195654	0.01421686
ANGPT1	-1.367289	2.76832735	0.00196537	0.01427667
ADAM32	-1.0576128	-0.4541129	0.00197494	0.01432421
ANLN	1.23026333	5.09845033	0.0019778	0.01434057
COL4A1	2.06089361	3.62254536	0.00199572	0.01445284
MYBPHL	2.03821909	-1.6387013	0.0020135	0.01455494
IL11	1.15311837	0.93130212	0.00203403	0.01467127
NOV	1.20818948	-0.4037187	0.00204264	0.01470259
HAS2	2.65469891	0.25641831	0.00204312	0.01470259
SHC2	-1.1024793	2.94742902	0.00204626	0.01471132
SNORD67	3.41030657	-3.0999781	0.00206426	0.01481789
PPP1R1B	-2.0587267	-1.468372	0.0020762	0.01489911
LOC643802	-2.6135634	-2.5915915	0.00208901	0.01496384
TRIB3	1.25313727	3.81797259	0.00209916	0.01502299
GPB	-1.1686177	0.41363992	0.00210432	0.01505083
VSIG1	1.33918641	-0.4643282	0.00214415	0.01528955
SKA3	1.31836137	1.86760428	0.00214657	0.0153002
CD3E	-2.5291556	-2.7588765	0.00216473	0.01536699
CD83	1.30942796	-0.112763	0.00220173	0.01558299
ITLN1	-2.2918564	0.3933495	0.00221781	0.01567805
C9orf174	-1.1018084	-0.0801775	0.00222014	0.01568988
ZNF252P-AS1	-1.4574213	-1.542807	0.00225446	0.01588507
KCNQ5	1.30015064	1.80900384	0.00230713	0.01616966
OVCA2	1.10681396	0.39035945	0.00231332	0.01619868
CD3D	-2.7261418	-1.9936683	0.0023432	0.01635959
LOC10061653	-1.4050352	-0.1842429	0.00236125	0.01645173
ACY1	1.21430643	-0.4945927	0.00239254	0.01661605
SLC17A7	-1.9837849	-1.1698342	0.00239341	0.01661674
SERPINB13	1.24925197	6.08613042	0.002437	0.01687536
SLC6A2	2.97041012	-1.6662958	0.00246549	0.0170422
SLC47A2	-1.7509616	3.03018328	0.00246925	0.01705386
AQP2	2.49529657	-2.6136472	0.00249958	0.01722819
KRT9	1.64242644	-0.9701092	0.00251566	0.01728316
SNORD27	2.2957068	-1.942899	0.00251588	0.01728316
BLM	1.21032025	1.47138387	0.00253235	0.01736325
HSD17B2	-1.0789983	5.0353401	0.00253388	0.01736734
TMEM213	-1.5822176	4.19754549	0.00254581	0.01742097
C21orf7	1.00442244	1.14868683	0.00255417	0.01744726
SNORA52	1.7712591	-2.0554358	0.00257049	0.01752845
LRRIQ4	-1.1894113	-0.741626	0.00257676	0.01755912
EPPIN	-1.2163391	2.39811556	0.00259577	0.01767539

PPP2R2C	2.15216153	1.76256339	0.00259719	0.01768001
SCGB1B2P	-1.0853375	-1.0038551	0.00259969	0.01768559
ADORA2A	1.45903823	-1.5741588	0.00260312	0.01770005
C1orf100	-1.7284715	-1.7794946	0.00260733	0.01772356
TGFBI	1.2173039	7.53066805	0.00260883	0.01772868
PTPRD	1.75805193	1.82188138	0.00263724	0.01791148
NLRP1	1.06831828	4.16654608	0.0026422	0.01794005
SMG7-AS1	-1.2747569	-1.7831648	0.0026803	0.01817272
CNNM1	-1.1336682	2.40123483	0.0026837	0.01819055
DSG3	1.50609612	7.71467621	0.00273409	0.0184758
MAOB	-1.0895903	2.91360201	0.00273436	0.0184758
DGKG	1.45821504	-1.8006263	0.00275136	0.01855365
CXXC4	-1.3261207	2.05862495	0.00280908	0.01885712
ACSBG1	-1.043926	4.67870943	0.00281014	0.0188579
KRT16P2	2.10109287	0.25694767	0.00282813	0.0189405
ADIRF	1.47020249	5.29486543	0.00283343	0.01896688
ARSI	2.92219625	3.06980136	0.0028597	0.01908987
GEM	-1.3309831	-0.4408266	0.00286147	0.01908987
ADRA1B	1.66248073	-0.753427	0.00287168	0.01913649
GDF9	-1.176568	0.06301677	0.0029414	0.01953521
PAQR5	2.06029686	2.09243003	0.00294703	0.01955836
VWA3B	-1.0039973	7.47956897	0.00295746	0.01961988
MIR3176	2.29236125	-2.3166362	0.00297155	0.01967139
KRT16P3	1.86480272	-0.3932248	0.00297874	0.01970592
NDC80	1.4755889	2.29084635	0.00298454	0.01973324
C1QL2	-1.310285	-0.7698664	0.00298674	0.01973864
IL32	1.72476929	3.9830407	0.00299963	0.01980538
AK5	3.3118483	-2.8505932	0.00301141	0.01987212
C9orf43	-1.1306089	1.57915218	0.00301408	0.01988418
HYAL1	1.01297602	2.96992464	0.00306466	0.02014272
MIR1304	1.74456022	-2.0381935	0.00306618	0.02014382
ICOSLG	1.09923293	1.2150556	0.00307516	0.02019725
ITLN2	-4.0550059	-2.6925289	0.00311577	0.02042435
WAS	-1.1178706	-0.9387133	0.00314567	0.02057969
LOC152225	2.23793337	-1.1246631	0.00321936	0.02096781
IL7R	2.31970252	-0.8563141	0.00330858	0.02143022
ROPN1B	-1.1430123	2.11907945	0.0033459	0.02160435
SLC6A12	-1.7545384	0.42745092	0.00337137	0.02174782
FAM222A-AS	2.51209788	-2.4220198	0.00337412	0.02174782
ARL14	1.57357595	-0.2435542	0.0033743	0.02174782
STPG2	-1.3048446	-1.660562	0.00341016	0.02191782
PGF	-1.4053714	1.93319298	0.00342248	0.02199107
LEAP2	-1.1639626	-1.3328382	0.00343834	0.02206307
SERPINB7	1.5592629	5.58866712	0.00345824	0.02213681
LRRIQ3	-1.0275226	1.79665134	0.0034689	0.02218114
NECAB1	-2.962887	-1.2094605	0.00347685	0.02221398

KAL1	-1.1043305	4.34450454	0.00352972	0.02246703
NEFL	4.25260736	-1.8150187	0.00356234	0.02265637
CXCL5	2.90181765	2.86761759	0.00358038	0.02275281
C19orf45	-1.5745077	-2.1903975	0.00358924	0.02280299
KRT6B	2.43340119	7.41294337	0.003602	0.02287439
CCDC158	-1.966692	-2.0885739	0.0036024	0.02287439
GTSE1	1.41447109	2.22742406	0.00361664	0.0229402
KLK7	2.15901043	6.54703712	0.003628	0.02299381
EGR2	1.23678358	0.08206338	0.00365415	0.02309782
RLN1	-1.3050588	-1.5859989	0.00365913	0.02311697
SNORD100	2.5922934	-2.3815367	0.00366551	0.02314781
SNORA31	1.16946874	-1.3407734	0.00371227	0.02337791
RAET1G	1.13378685	3.81623604	0.00379089	0.02378461
SPC25	1.3690447	0.80509412	0.00384582	0.02407827
CBX3P2	-1.0707523	-1.2906045	0.00391358	0.02440581
RGS22	-1.0468981	5.34373791	0.00394955	0.02456809
HSD17B13	-1.5434739	0.24680889	0.00394996	0.02456809
SCARNA22	3.1862872	-2.9094937	0.00397554	0.02467996
BUB1	1.3157184	3.02336209	0.00398447	0.02472438
ADAMTS10	-1.4790179	-1.2229404	0.00399929	0.02479036
RLN3	-2.2463005	-2.7200865	0.0040524	0.02502144
CDT1	1.14234109	3.04836069	0.00406665	0.02506375
ZNF239	1.09513172	0.0630959	0.00407777	0.02512295
PCDH12	2.01895388	-1.4761521	0.00409979	0.02522213
WTH3DI	3.20722933	-2.8869371	0.00415235	0.02549913
LOC388906	1.23419586	-1.0234103	0.00416258	0.02555536
ILDR2	2.83641545	-2.4341707	0.00417519	0.02562615
KCNK13	2.56134044	-2.6916376	0.00418402	0.02566039
BEST2	1.92565354	-1.8859042	0.0041971	0.02572063
SEMA3E	-1.066142	1.91280551	0.00420601	0.02574867
PAMR1	-1.2727835	3.50811022	0.00423839	0.02590676
SNORA16A	1.21042771	-1.5731637	0.00426019	0.02600646
CYP2G1P	-1.2383105	-0.6553476	0.00428935	0.0261251
KCNS2	3.43592426	-3.1098496	0.00430185	0.02618659
IP6K3	-1.0523709	4.51502099	0.00431492	0.0262527
RAET1L	1.75593312	2.04328976	0.00437966	0.02656478
GNRHR	3.36701784	-2.0772966	0.00440149	0.02664266
RNASE1	-1.3208584	3.3187648	0.00440398	0.02664413
RAC2	1.21555971	4.28133837	0.00445189	0.02689285
TIMP2	1.12391423	6.01938553	0.00446328	0.02693242
E2F2	1.33787918	2.25509327	0.00449091	0.02705961
NEIL3	1.63710748	0.1932116	0.00451853	0.02719147
RAD21-AS1	-1.4291801	-1.6665323	0.00456717	0.02741461
TDGF1	-1.5543535	-2.4926326	0.00458031	0.02747256
LINC00593	-2.3481042	-2.8020684	0.00459646	0.02754158
IL24	4.11112755	-2.8365344	0.00460275	0.02757231

CYP27B1	1.35932291	1.58596274	0.00460986	0.02760096
MGC16121	2.80329699	-0.4428485	0.0046205	0.02764358
FAM66C	-1.1130116	0.99252654	0.0046373	0.02772322
PLEKHD1	-1.3455336	0.00398757	0.00465018	0.02778001
HIST1H3C	3.15070327	-2.8814626	0.00465469	0.02778517
CCDC73	-1.2930915	-1.4826639	0.00466694	0.02784604
ANKRD19P	2.18728108	-1.3632255	0.00471176	0.02806333
PLSCR2	-1.2016529	-1.8084901	0.00471194	0.02806333
ANKRD30BP2	1.54766568	0.31496127	0.00471728	0.02808099
SNORA26	2.06006936	-2.3833913	0.00475324	0.02822422
LOC729080	2.27506538	-2.8288408	0.00479711	0.02846333
MLF1IP	1.06089507	3.09540506	0.00485966	0.02874813
SNORD25	1.77708782	-1.8736519	0.00486105	0.02874824
CD300A	-2.1134311	-2.4269682	0.00487472	0.02878693
OR7C1	-2.1705511	-1.3956687	0.00490578	0.02892716
ALOX15	-1.0562034	9.62907797	0.00492158	0.02899144
BCL2A1	2.18095871	-0.5999256	0.00505788	0.02962602
FABP4	3.44415029	-2.4756065	0.00509145	0.02976287
PTGFR	-1.3854898	4.71895868	0.00510151	0.02980698
TNC	1.20632073	8.6404601	0.00512088	0.02987598
SNORD30	1.89971487	-2.0687381	0.00517023	0.03009724
CDC20	1.14721861	4.45834665	0.00523105	0.030347
VPS37D	-1.2354733	0.32995154	0.00525011	0.03043521
PPBP	2.57514773	-0.7199034	0.00534889	0.03087203
VGLL1	1.03900791	4.27308645	0.00535066	0.03087468
SCN2B	-1.1954053	0.71911753	0.00536142	0.03088853
OSBPL6	-1.1643877	6.06881969	0.00539002	0.03103385
AMHR2	-3.139933	-2.9553671	0.00543252	0.03122546
SRPX	1.69277182	0.50934494	0.00549421	0.03151891
CCK	2.83658376	-1.7816022	0.00550346	0.03155674
TCF15	3.48704624	-3.0769876	0.00553556	0.03169478
SEC14L2	1.12055612	6.38368629	0.00555915	0.03177614
LGR5	-2.4016554	0.03590802	0.00560622	0.03197674
FAM154A	-1.3695848	-1.0928225	0.00561851	0.03199974
MN1	1.27298206	3.20736556	0.0056436	0.03209553
SNORD78	2.30897905	-2.3815737	0.00570452	0.03240396
LOC10050565	-1.8363238	-2.1648337	0.00570993	0.03242694
NSG1	1.30892482	3.38218355	0.00572782	0.03252077
HTR7	1.19365247	1.64582308	0.00579278	0.03277967
DDX12P	1.04738665	0.399376	0.00590496	0.03329526
FOXEO3	1.72902916	-2.1366867	0.00591464	0.03333402
FBXO43	-1.0959497	-1.0500314	0.00593237	0.03341223
LOC400684	-1.1378081	0.23596024	0.00596699	0.03359707
CYYR1	-1.0678657	2.45735849	0.00598357	0.03368245
CCDC116	2.72386086	-2.6532162	0.00598893	0.03369174
NOSTRIN	2.25418125	-1.7042854	0.0060029	0.03374557

MTMR7	-1.1609144	-0.0942127	0.00606417	0.03399091
TEX22	-1.0327917	-0.262704	0.00608882	0.03410485
CIDEA	3.00335103	-1.1264799	0.00609972	0.03415787
SNORD35B	1.18500585	-1.0048326	0.00613496	0.03430657
ADM5	1.05223475	-0.4984855	0.00614245	0.03433228
LINC00704	2.15022999	0.03324348	0.00616046	0.03439238
FAM66D	-1.3107024	-1.1654838	0.00618637	0.03450452
KCNN4	1.49279552	3.84563437	0.00620749	0.03458977
INHBC	-1.477383	-1.9965624	0.00623713	0.03470604
ADCY7	1.08692363	4.14141103	0.00624289	0.03471363
LRRTM2	-2.9067833	-2.6187645	0.00627156	0.03484036
CCND2	1.14749942	5.54843954	0.00627925	0.03486676
MYO1A	-1.1696091	-1.1667652	0.00631813	0.0350498
PALM3	-1.7161794	1.91216934	0.00645046	0.03565046
P2RX5	3.89309925	-2.5208124	0.00646174	0.03569617
MIR221	1.97990176	-2.2935876	0.00646549	0.03570855
KCNJ1	-2.3765035	-2.3653106	0.00648886	0.03580425
GJA3	1.36246927	0.67339312	0.00659834	0.03630119
KIF4A	1.21466771	2.72045118	0.00659882	0.03630119
CENPA	1.45380335	0.60719817	0.00660585	0.03631455
LINC00260	1.41656345	-2.2669549	0.00662389	0.03639686
SNORD80	1.31190874	-1.3055547	0.00668369	0.03665748
MTFR2	1.05397054	0.69275072	0.00672397	0.03681029
SLC13A4	-1.5256922	1.1088	0.00677728	0.0369996
PLA2G3	1.03507683	2.94325468	0.00679008	0.03704393
PTPRH	1.24919166	2.12162961	0.0068278	0.03718387
REM1	-1.6601355	-1.2562326	0.00686672	0.03735886
CAPN6	-2.4317595	-1.8202334	0.00688011	0.03741454
HMCN1	-1.5124757	2.75262159	0.00695127	0.03772367
DDR2	-1.2393177	0.20963608	0.006959	0.03775694
ENOX1	-1.154056	1.63120911	0.00700748	0.03797653
ECM1	2.03139543	5.75115984	0.00705711	0.038167
KRT38	-1.6542335	-1.5842356	0.00708608	0.03826259
HIGD2B	-1.0737836	-1.1975318	0.00708833	0.03826603
IL6	2.65417804	-0.3276615	0.00713627	0.03848742
FOS	1.04439717	5.34951374	0.00714713	0.03853038
SCG3	-1.1820988	0.5543446	0.00717097	0.03863475
SLC13A5	1.45227723	1.76569199	0.00722266	0.03884083
LOC730101	-1.1911047	3.6673987	0.00724982	0.03892635
DPCR1	2.06363121	-2.6220772	0.00735088	0.03932522
DPF1	1.3110811	-0.0001215	0.00738446	0.03947815
LCP1	1.74066416	-0.0157451	0.00743221	0.03964401
RAB9B	-1.1757879	-0.2947952	0.00744608	0.03969125
SERPINB9	1.08483517	2.65316158	0.00747412	0.03981384
SNORA78	3.33170411	-2.9454309	0.00748217	0.03983884
LOC10012805	-3.5539249	-3.0211586	0.00748546	0.0398474

ERMN	-3.1702016	0.84297579	0.00750865	0.039926
LOC400685	-1.2327113	-1.6083704	0.00752226	0.0399715
FCGR2A	-3.140435	-2.9132667	0.00753308	0.04001103
SNORA33	1.67989452	-2.2141328	0.00768566	0.04067569
SNORD10	1.17682938	-0.9401505	0.00770662	0.04075023
FLT1	-2.3196941	3.17304627	0.00771041	0.04076119
KRT79	2.27717673	-1.0206499	0.00777344	0.04102121
NAALAD2	-3.0977878	-3.0756576	0.00780832	0.04118708
TGM5	1.45364267	3.186813	0.00782151	0.04123815
KRT31	1.333028	-0.5512078	0.00789358	0.04151372
CD19	-1.6307749	-1.7682173	0.00789399	0.04151372
SLC7A11	1.13109726	3.5900716	0.00790885	0.04156002
TPM2	1.39264309	5.69988349	0.00792369	0.04161036
CCL17	-1.0546273	0.77419145	0.00795812	0.04174087
SNORA41	2.57672504	-2.835048	0.00795911	0.04174087
CGB5	2.97109523	-2.9503613	0.00801394	0.04198197
LPPR3	-1.202382	4.69227924	0.00802571	0.04203439
CNTD1	-1.3989222	1.56937885	0.00808938	0.04232111
RASSF2	-1.3501372	0.29199612	0.00811871	0.04245582
SOWAHD	-1.3266349	-1.9768347	0.00813103	0.04251087
LGALS7B	2.00133693	4.765541	0.00816093	0.04262958
CSNK2A3	1.91069087	-2.4276429	0.00827568	0.04312449
LINC00466	-1.4814212	-1.77707	0.00829129	0.04315841
NUDT9P1	-1.6831498	-2.633738	0.00842551	0.04371166
LOC442497	-1.5832035	-2.2166636	0.00844797	0.0437913
ATP6V1G2	-1.4992297	-1.7649216	0.00850108	0.04398006
UNC80	1.5964533	-0.1434116	0.00854811	0.04412135
NOS1	2.3261638	0.259756	0.00854886	0.04412135
LCE3D	4.5979122	0.38047642	0.00861152	0.04435786
RAD51AP1	1.04391385	1.49459198	0.00865132	0.04450838
TSPAN19	-1.1701678	4.99138337	0.00865201	0.04450838
SPATA19	-3.0607646	-2.5380292	0.00865826	0.04453086
MGAM	1.44983493	4.48016561	0.00866895	0.04456652
ALOXE3	1.5762248	1.93952749	0.00867548	0.04459044
STC2	1.53360822	3.57666345	0.00868175	0.04460923
PRKAG2-AS1	-1.4197072	-1.4546764	0.00868912	0.04462185
PTGS1	1.87598452	1.76564185	0.00870646	0.04468186
DSCAM	2.25208256	-1.4881824	0.00871934	0.04471894
GCSAM	-1.2082715	0.47738853	0.00873325	0.04477087
HELLS	1.00923532	2.24027745	0.00878637	0.04501402
LOC10099630	-1.0555592	-1.1260562	0.008799	0.04505922
C6orf15	3.56092974	1.12404532	0.00880702	0.04509057
CHAD	-1.694528	0.93760145	0.00887064	0.0453282
ADAMTS15	1.11776712	3.63554289	0.00891215	0.04549326
SNORD83A	1.62908094	-1.8000806	0.00892002	0.04552168
GRHL3	1.27500438	4.76737092	0.00895677	0.04566006

SNORA44	1.0742659	-0.6966068	0.00897312	0.04572376
CDCA3	1.00318373	2.17548905	0.00897752	0.04573637
MPPED1	-1.7313676	-2.6863144	0.00906503	0.04606342
ADH6	-1.1332277	4.18107912	0.009079	0.04612449
SLC26A2	-1.3253749	6.52378826	0.00911869	0.04629639
REN	1.6819664	-1.7570921	0.00914651	0.04640784
LOC286177	-2.4664782	-2.8365158	0.00920602	0.04661002
ATP4B	-2.1420337	-2.9208613	0.009223	0.04668605
KIF14	1.38265447	1.74894312	0.00922729	0.04669779
WTAPP1	-1.0655023	-0.4455747	0.00928901	0.04692997
OIP5	1.25420653	0.29778571	0.00932999	0.04708684
CDHR1	1.15058064	3.60117139	0.00934208	0.04711019
ADARB2	-1.1458528	3.03653404	0.0093795	0.0472462
KRT76	2.05139489	0.32845762	0.0093908	0.047273
CSTA	1.7263073	7.11884772	0.00966133	0.04833722
LINC00514	1.06623226	-1.2482214	0.00976341	0.04874088
IL2RB	-1.5594453	0.87705835	0.00979432	0.04886857
CDH16	2.49096538	-0.1813877	0.00990617	0.0493066
FLG	2.85805383	2.17383339	0.00990707	0.0493066
MIR155HG	2.94385168	-3.1852613	0.00994673	0.04946247
LY6K	1.56554446	0.6853618	0.00996492	0.04954252
PGM5-AS1	-1.2569661	-1.2133397	0.01000709	0.0497313
C3orf49	-3.2904808	-3.0524541	0.0100862	0.05004057
SLC10A1	-1.2212291	-1.4434148	0.01010259	0.05009437
KCP	1.37568326	2.19011541	0.01013778	0.05024388
HPCAL4	-1.7022029	-2.2675077	0.01014154	0.05025204
HSPB9	-1.4113227	-2.2317933	0.01015358	0.05026419
SBF1P1	2.951952	-3.1980811	0.0102475	0.05060938
LOC646268	2.99204121	-2.8980051	0.01026464	0.05066129
PSG1	2.50748223	-2.363085	0.01026687	0.05066129
RARRES1	1.15592583	7.58185653	0.01028901	0.05075999
GPR132	1.37667821	-1.2163112	0.01032669	0.05088236
MGC12916	1.15616111	-0.1104894	0.01037013	0.05103273
MMP10	-2.1111532	7.71506805	0.01038785	0.05109872
DSC2	1.54784084	5.71342839	0.01040184	0.0511529
NAV3	1.32403587	-0.1096953	0.01044455	0.0513457
WNT6	-1.4711325	-1.7245982	0.01048567	0.05151581
PEG10	1.88498745	4.08134821	0.0105872	0.05190206
HAVCR1	-2.381457	-2.8200614	0.01061916	0.05202073
SNORD83B	1.512933	-1.9113168	0.01067252	0.05222819
KCNN3	-1.1815124	1.80387584	0.01069152	0.05227156
UCN	1.48996712	-2.0674959	0.01071388	0.05235493
TENM2	1.59720698	5.81985262	0.01072458	0.0523964
DLGAP5	1.25801933	2.75821292	0.01088839	0.05299915
NRADDP	1.69633179	-1.7640592	0.01093671	0.05316985
RARRES2	-1.2470549	2.91532089	0.01095814	0.05325017

EGR4	2.96497224	-2.7682888	0.01096822	0.05326428
PENK	-3.0395881	2.77933969	0.01104136	0.05356879
VAT1L	-3.1198532	-2.8009132	0.01107019	0.05367572
LOC145837	-1.0078186	0.08118399	0.01107966	0.05371063
OR13A1	-2.1272982	-2.2332053	0.01110054	0.05375632
ADAM19	2.51150922	2.02944518	0.01111682	0.05380277
FLJ14107	1.51030042	-1.8006328	0.01116873	0.0540245
SNORD32A	1.30592437	-1.4133136	0.01117175	0.0540245
CREG2	1.85354957	-0.5283486	0.01117795	0.05403709
FSD2	-3.0940702	-3.0167699	0.01127606	0.05439582
LOC10049940	-1.118569	-0.697092	0.01129276	0.05445419
SOX8	1.51211537	-1.6131228	0.01134846	0.05464527
TULP2	-3.2295659	-3.0429559	0.01138002	0.05475249
ZMAT1	-1.0473448	0.92654414	0.0115341	0.05528067
AZU1	-1.2985804	-0.0037895	0.01153881	0.05529207
RDH12	2.00273983	1.20354909	0.0115446	0.05530866
RAD51AP2	-1.6386102	-1.9695743	0.01163215	0.05559327
FTCD	-2.8453032	-2.9714803	0.0116656	0.05571943
HCN1	2.39539384	-2.9088484	0.0116762	0.05574761
PODN	-2.2121554	-0.6505693	0.01171784	0.05590308
LOC10028965	2.97859023	-2.8742639	0.01184877	0.05633335
SIRPB2	1.21751086	-0.310651	0.01193017	0.0566295
IGFL1	2.33530783	2.71112061	0.01194062	0.05666775
UGT2B4	-2.8934141	-2.8500892	0.01196326	0.0567525
SLC10A5	-1.1330438	0.34980361	0.01199202	0.05686615
SYNPR-AS1	-1.6607106	0.17524621	0.01200081	0.05688985
MYPN	2.39639811	-2.5243154	0.01210749	0.05724197
CD34	-1.9084056	-0.5367438	0.01220702	0.05758114
IL31RA	1.32199502	0.46200024	0.01255229	0.05884041
WBP2NL	-1.3906672	-2.2239025	0.01259344	0.05898666
FERMT3	1.08203688	-1.2860637	0.01265048	0.05912532
PRSS50	-2.4812332	-2.7234373	0.01277892	0.05957299
APOBEC2	-1.7247749	-2.2995741	0.01280065	0.05965512
DLC1	1.29899221	1.43758166	0.01282264	0.05974155
OR7E156P	-1.0838243	-1.0906316	0.01283366	0.05976944
ZC2HC1B	-2.2311875	-2.7315248	0.01283367	0.05976944
DRGX	2.91641865	-3.0717349	0.01292394	0.06010723
CELF2	-1.0180405	3.3030816	0.0130728	0.06063304
ATP6V1B1	-1.0052772	4.66179371	0.01307871	0.06064857
LOC10050748	-1.0781701	-1.6717346	0.01308347	0.06065881
SCGB1D2	-2.4327726	-3.1000461	0.01313922	0.06086964
MYL10	1.88450337	-2.5381656	0.01314583	0.06087647
SNORD16	2.17030284	-2.7102124	0.01337974	0.06177928
PSG7	3.2132232	-3.0147508	0.01351669	0.06224137
CEACAM6	1.06618668	9.22248984	0.01352408	0.06226329
FOXL2	2.15128169	-1.1243091	0.01358393	0.06247817

USH1G	1.27458604	2.23576426	0.01361907	0.06261549
INHBA	1.98542933	1.24741537	0.01375136	0.06313802
ALK	-1.6567305	-2.3987051	0.01394518	0.06385482
NKAIN1	2.49784644	-2.6506435	0.01398539	0.06398819
MATN4	-1.2380737	-1.3536425	0.01413965	0.06442411
CPA2	2.88913421	-2.9310319	0.01426165	0.0649153
DOK7	1.016121	1.79435812	0.01431312	0.06511205
GSTA1	-1.2192405	7.6159707	0.0143554	0.06520434
SPNS2	1.11850664	5.61889654	0.01444129	0.06545645
C10orf82	2.97032546	-3.0291436	0.01444404	0.06545645
PCDHGC5	1.83196219	-1.3338858	0.01448934	0.06563666
GNG3	-1.1914468	-1.8546114	0.01451453	0.06571311
OMD	-1.5740883	-1.5531269	0.01453608	0.06578555
SLC16A6	1.81046179	0.37000669	0.01467899	0.06628047
CDKN3	1.17236127	1.31176955	0.01478743	0.06669392
HSPA6	1.75193565	-0.2291611	0.01497692	0.06741154
IDO1	1.54992526	2.50803403	0.01499464	0.06745002
KRTAP3-1	3.00598723	-3.0499772	0.01508257	0.06776722
ONECUT2	-2.8598344	-2.7975494	0.01519158	0.06811505