

gene_name	UTR	CDS	Intron
UCK2	0	0	0
GM5537	0	0	0
CWC22	0	0	0
RTN4	0	1	1
OGN	0	0	0
MMP15	0	1	0
KCNJ3	0	0	0
ALDH1A2	0	0	0
HSPA12A	0	0	0
OTULIN	0	0	0
S100A4	0	0	0
LRRC15	0	0	0
HSPB1	0	1	0
TTLL1	0	0	0
GM44973	0	0	0
PAQR9	0	0	0
EFHD2	0	0	0
CCR2	0	0	0
TIMP1	0	0	0
P2RY1	0	0	0
PDE3A	0	1	0
PLEKHA6	1	1	1
TLCD2	0	0	1
CORIN	0	0	0
METTL7A1	0	0	0
CCR1	0	0	0
ZSWIM4	0	0	0
ARHGEF19	0	0	0
RPS2	1	1	0
GM7658	0	0	0
PYGO1	0	0	0
PDE4A	0	1	1
SLC25A42	0	0	0
TXNRD1	0	1	1
SLC22A3	0	0	0
GM13841	0	0	0
GM8210	0	0	0
LINGO3	0	0	0
LGR6	0	0	0
RRP12	0	0	0
DNAJC28	0	0	0
PCSK6	0	0	0
ATP6V1H	0	0	1
MYLK3	0	0	0
GM13698	0	0	0
GM13693	0	0	0
GM13697	0	0	0
GM13694	0	0	0
GM13696	0	0	0

ACTR3B	0	0	0
FHOD3	0	1	1
YTHDF2	0	0	0
PLN	1	0	0
KCNK3	0	0	1
PIIP5K2	0	0	0
FSTL3	0	0	0
GADD45B	0	0	0
EIF1A	1	0	0
GRIP2	0	0	0
PANK1	0	0	0
PTPN23	0	0	0
CREB3	0	0	0
FAM78A	0	0	0
RILPL1	0	0	0
TXLNB	1	1	1
NR3C2	0	0	0
EMB	0	0	0
TXN1	0	0	0
NHP2	0	0	0
EIF6	0	0	0
HMOX1	0	0	0
ANKS1	0	1	1
GM9821	0	0	0
USP50	0	0	0
LGALS3	0	0	0
BTG2	0	0	0
TMEM94	1	1	0
ENSMUSG000C	0	0	0
H2-DMA	0	0	0
ITGB2	0	0	0
ANAPC15	0	0	0
CELSR1	0	0	0
PAK1IP1	0	1	0
ASB2	0	0	0
RXRG	0	0	0
CAND2	0	0	0
GM13691	0	0	0
EAF1	0	0	0
PLK2	0	1	1
PPTC7	0	0	0
CSTB	0	0	0
GPATCH4	0	0	0
RPL29	0	0	0
FXVD5	0	0	0
UBR4	0	1	1
DZIP3	0	0	0
SBK1	0	1	0
LMNA	0	0	0
RRAS2	0	0	0

TCAIM	0	0	1
RBM3	0	0	0
DUSP10	0	0	1
2310057M21R	0	0	0
UBAP1	0	0	0
IL10RB	0	0	1
ATXN10	1	0	0
CSF3R	0	0	0
POLR2L	0	0	0
KCNN2	0	0	1
RPS6KA2	0	0	1
SORBS1	0	0	0
GJA3	0	0	0
PPP1R14C	0	0	0
NFIX	0	0	0
AA986860	0	0	0
SYDE2	0	0	0
EPHB1	0	0	0
NIFK	0	0	0
SQSTM1	0	0	0
WIP12	1	0	0
GPCPD1	0	0	0
TALDO1	0	0	0
CYSTM1	0	0	1
RNF150	0	1	1
ATPAF1	0	0	0
GM28035	0	0	0
SEC22B	0	0	0
ZFP672	0	0	0
FYCO1	0	0	0
NT5C1A	0	0	0
GPAM	0	0	0
LMO7	1	1	1
BHLHB9	0	0	0
LPIN1	0	0	0
RAB11A	0	0	0
NCEH1	0	0	1
PIRB	0	0	0
ASAP3	0	0	0
ZFP612	0	0	0
PPP1R9A	0	1	0
GAL3ST3	0	0	0
CLTB	0	0	0
MSR1	0	0	0
RPS27A	0	0	0
GM3448	0	0	0
KLHL33	0	0	0
ADCY5	0	0	0
L3HYPDH	0	0	0
FHL2	0	0	0

EPB41L3	0	0	0
IVNS1ABP	1	1	1
RPL3	0	0	0
TARSL2	0	0	1
EIF4A1	0	0	0
RPL36AL	0	0	0
WDR74	0	0	0
GPD1L	0	0	0
SCN4A	0	0	0
HLF	0	0	0
MED29	0	0	0
DLAT	0	0	0
ZFP945	0	0	0
MSN	1	1	1
PDE7A	0	0	0
ABCC9	0	0	0
PKDCC	0	0	0
RGS7BP	0	0	0
NFIL3	0	0	0
TYROBP	0	0	0
VAV1	0	0	0
NOL12	0	0	0
GRWD1	0	0	0
PSMD8	0	0	0
ACSS1	0	0	0
PER3	0	0	0
HDAC9	0	0	0
ITGA6	0	0	0
CHIL3	0	0	0
ASPSCR1	0	0	1
ERH	0	0	0
STEAP3	0	0	0
LCN2	0	0	0
IL17RA	0	0	0
CLASP1	1	0	1
FYB	0	0	0
VPS37B	0	0	0
CTPS	0	0	0
SPCS3	0	0	0
CD63	0	0	0
CORO6	0	1	1
ECE2	0	0	0
UBXN1	0	0	0
MAFK	1	0	0
RPL38	0	0	0
LONRF2	0	0	0
PHF5A	0	0	0
PBDC1	0	0	0
IRS1	0	0	0
PGM5	0	0	0

OSER1	0	0	0
RPL22L1	0	0	0
VLDLR	1	1	0
MRPS10	1	0	0
KLF15	0	0	0
COQ8B	0	0	0
KLHL23	0	0	0
OXNAD1	0	0	0
TBC1D4	0	0	0
FASTKD1	0	0	0
MYL6	0	0	0
MPPED2	0	0	1
CD53	0	0	0
EDNRA	0	0	0
SLC4A3	1	1	1
FGF13	0	0	0
KRBA1	0	1	0
NUP50	0	0	0
NOP58	0	0	0
MTR	0	0	0
TPD52	0	0	0
AB124611	0	0	0
IL15RA	0	1	0
LRRC66	0	0	0
USPL1	0	1	0
ALOX5AP	0	0	0
PSMA5	0	0	0
CLEC4D	0	0	0
NQO2	0	0	0
OSBPL1A	0	0	0
KLHDC8A	0	0	0
RPL17	0	0	1
HGS	0	0	0
SMTN	0	0	0
CLASP2	0	0	1
PLIN3	0	0	0
DDX39	1	1	0
HSDL2	0	0	0
TMEM65	0	0	0
BUD31	0	0	0
PPM1K	0	0	0
SEC63	0	1	0
IER5	0	0	0
RBM8A	0	0	0
EMC6	0	0	0
HIST2H2AA1	0	0	0
FDX1L	0	0	0
BAX	0	0	0
SLC38A3	0	0	0
PHTF2	0	0	0

FAM120C	0	1	0
RPL13A	0	0	0
LPXN	0	0	0
RNF19B	0	0	0
SH2D4A	0	0	1
PPP1R11	0	0	0
DPH3	0	0	0
EMC8	0	0	0
SLC37A1	0	0	0
ADAM8	0	0	0
TMEM179	0	0	0
ZC3H7B	0	0	0
FGD4	0	0	0
RAB3GAP2	0	0	0
SDAD1	0	0	0
ARID3B	0	0	0
PTRH1	0	0	0
RPL35A	0	0	0
ANXA2	1	0	0
GM4032	0	0	0
GM13323	0	0	0
ACOT9	0	0	0
SYT7	0	0	0
MRPS18B	0	0	0
INPP5J	0	0	0
MTUS2	1	0	1
SOX12	0	0	0
TNXB	0	0	0
FTL1	0	0	0
STRIP2	1	1	1
TRIR	0	0	0
WFDC17	0	0	0
CAAA0114466	0	0	0
THRB	1	0	1
NMRK2	0	0	0
GM14117	0	0	0
MYOM2	0	1	1
RPS15A	0	0	0
RPL37RT	0	0	0
GM11517	0	0	0
DHRS3	1	0	0
B4GALNT1	0	0	0
GM20390	0	0	0
DIP2C	1	0	1
CACNB2	1	1	1
CHRNA2	0	0	0
STOML3	0	0	0
GTF2I	0	0	0
LGMN	0	0	0
SCUBE2	0	0	0

PDE7B	0	0	0
MARVELD1	0	0	0
FBLIM1	0	0	0
PIN4	0	0	1
U2AF1	0	0	0
COX19	0	0	0
RPL32	0	0	0
GM9843	0	0	0
FCER1G	0	0	0
MRPL33	0	0	0
TYW1	0	0	0
PRELID1	0	0	0
OSBPL6	0	0	0
CD84	0	0	0
ME2	0	0	0
ADCY9	0	0	0
PFDN1	0	0	0
GM8113	0	0	0
RPS16	0	0	0
AAED1	0	0	0
GM2000	0	0	0
ZSCAN26	0	0	0
TBC1D15	0	0	0
SORCS2	0	0	0
PERM1	0	0	0
ELOC	0	0	0
SLC29A1	0	0	0
THEM6	0	0	0
GM19426	0	0	0
FLCN	0	0	0
RACK1	1	1	0
QSOX1	0	0	0
BCL7A	0	0	0
ADRA1B	0	0	0
CFL1	1	0	0
VPS26C	0	0	0
RPS28	0	0	0
BOLA2	0	0	0
RPL10-PS3	0	0	0
ZFP697	0	0	1
FAU	0	0	0
ACOT2	1	0	0
ANK	0	0	0
TMEM203	0	0	0
DAPK3	0	0	0
PSTPIP1	0	0	0
PPIF	1	0	1
UBE2F	0	0	0
F3	0	0	0
BC022960	0	0	0

DCUN1D2	0	0	0
RYR2	0	0	0
SLC2A12	0	0	0
PKDREJ	0	0	0
GABARAPL2	0	0	0
CCDC86	0	0	0
CCDC85C	0	0	0
STYXL1	0	0	0
CPN2	0	0	0
CREB5	0	0	0
UBFD1	0	0	0
PFKP	0	0	0
CYB5R1	0	0	0
ACTN1	0	0	0
WSB1	0	0	0
S100A11	0	1	0
RAP1GAP2	0	0	0
NUMA1	0	1	1
EPDR1	0	0	0
ST6GALNAC6	0	0	1
CSTF3	0	1	0
ACTR3	0	0	0
GALNT6	0	0	0
GET4	0	0	0
GM9825	0	0	0
FAM49B	0	0	0
GNA13	0	0	0
FAM24B	0	0	0
ACSL1	0	0	0
ITGA1	0	0	0
GALNS	0	0	0
CIB1	0	0	0
IGF2BP2	0	0	0
SNRNP35	0	0	0
UBXN4	0	0	0
RPS2-PS10	0	0	0
ICE1	0	0	0
ZWINT	0	0	0
POPDC3	0	0	0
DIS3L	0	0	0
SNRPE	0	0	0
RAC2	0	0	0
HIST1H2BC	0	0	0
PHLDB1	0	0	0
ARPC4	0	0	0
EVI2B	0	0	0
BLVRB	0	0	0
PRDX4	0	0	0
CDH13	1	1	1
RPL37	1	1	0

PGS1	0	0	0
CCDC59	0	0	0
3425401B19RI	0	0	0
PAQR4	0	0	0
ARPC5	0	0	0
PSMD13	0	0	1
POLR1D	1	0	0
RPL41	0	0	0
IFNGR2	1	0	0
TMEM164	0	0	1
ABAT	0	0	0
RPLP2	0	0	0
IST1	0	0	0
ASB18	0	0	0
ZFP593	0	0	0
TCTE3	0	0	0
TMEM82	0	0	0
BTF3	0	0	0
ANK1	0	0	0
APBB1IP	0	0	0
GM49405	0	0	0
RPL24	0	0	0
ADCY6	0	0	0
CGGBP1	0	0	0
CHMP4B	0	0	1
LAT2	0	0	0
GM47692	0	0	0
GM9733	0	0	0
ABLIM1	0	0	0
PIP5K1A	0	0	0
METTL27	0	0	0
UBTD1	1	0	0
HCFC1R1	0	0	0
HERPUD1	0	0	0
MORF4L2	0	0	0
LCOR	0	0	0
EIF3D	0	0	0
IGDCC4	0	0	0
HTRA3	0	0	0
TRIM16	0	0	0
ACP1	0	0	0
CROT	0	0	0
LCLAT1	0	0	0
WDR1	0	0	0
CEP128	0	0	0
RPL35	0	0	0
MCRIP1	0	0	0
FN1	0	0	0
FLNC	0	1	1
TGFBI	0	0	0

RPL27-PS3	0	0	0
GM7666	0	0	0
PLEK	0	0	0
RPL10A-PS1	0	0	0
MYZAP	0	0	0
IDUA	0	0	0
GDA	0	0	0
PLIN2	0	0	0
CORO1A	0	0	0
GM7536	0	0	0
SYNC	0	0	0
ANK2	0	0	0
RPL18	0	0	1
1810037I17RIK	0	0	0
CCDC136	0	0	0
RBM34	0	0	0
NFATC2	0	0	0
CLSTN1	0	0	1
ZFYVE21	0	0	0
MFAP3L	0	0	0
CCL6	0	0	0
PPIA	0	0	0
TSSC4	1	0	0
DPY19L2	0	0	0
RPS16-PS2	0	0	0
RPS14	0	0	0
ITGA5	0	0	0
PDPR	0	0	0
ESD	0	1	0
ARID5A	0	0	0
MRPL52	0	0	0
JUNB	0	0	0
AKAP2	0	1	1
SMTNL2	0	0	0
MAPK10	0	0	0
PFKFB2	0	0	0
PLCE1	0	0	1
REEP1	0	0	1
TRMT61A	0	0	0
RILP	0	1	0
PRELP	0	0	0
GM14403	0	0	0
FAM210A	0	0	0
PRN	0	0	0
ZYG11B	0	0	0
KLHL24	0	0	1
CEP68	0	0	0
RPS19	0	0	0
KCNA7	0	0	0
IFIT1BL2	0	0	0

RPL9	0	0	0
PLEKHA8	0	0	0
RPS25	0	0	0
POLR3E	0	0	0
TMEM201	0	0	0
GM45716	0	0	0
MTUS1	0	0	0
SBDS	0	0	0
GMFB	0	0	0
USP32	0	0	0
BTG1	1	0	0
GM10443	0	0	0
TNFRSF12A	0	0	0
PRDX6	0	0	0
TTC21B	0	0	0
MR1	0	0	0
FADS3	0	1	1
SLC25A13	0	0	0
RPL37A	0	0	1
PIK3R5	0	0	0
1810022K09RI	0	0	0
DPEP3	0	0	0
RPL10A	1	1	0
2200002D01RI	0	0	0
DSP	0	0	0
TUBB2A	0	0	0
ANTXR2	0	0	0
RLIM	0	0	0
CCL25	0	0	0
TMEM209	0	0	0
FCF1	0	0	0
EPAS1	1	0	1
RPS3A1	0	0	0
ZFP787	0	0	0
CCT3	0	0	0
ENAH	0	0	0
EPHA4	0	0	0
TMEM167	0	0	0
PACS1	0	0	0
GDPD1	0	0	0
NTN1	0	0	0
RPL36A	0	0	0
RPS20	0	0	0
RPL22	0	0	0
PIK3IP1	0	0	0
NRAS	1	0	0
GM15500	0	0	0
RPS27L	0	0	0
RAP1B	0	0	0
PPP1R15B	0	0	0

SCHIP1	0	1	1
SSU72	0	0	0
BANF1	0	0	0
OSBPL3	0	0	0
RBM45	0	0	1
MICAL2	1	1	1
KNOP1	0	0	0
TMEM208	0	0	1
CHCHD1	0	0	0
NAXD	0	0	0
IRX4	1	0	0
RPS27	0	0	0
ZBED3	0	0	0
RAPH1	0	0	0
DDX54	0	0	0
RND1	0	0	0
PIGM	0	0	0
EIF5A	0	0	0
D2HGDH	0	0	0
SNRPD1	1	0	0
PSMF1	0	0	0
NEDD4	0	1	1
PPM1L	0	0	1
DDX56	0	0	0
RPL31	0	0	0
COPS9	0	0	0
AEN	0	1	0
MED1	0	0	0
PTCD1	0	0	0
SLC28A1	0	0	0
ASAH2	0	0	0
SH3BP2	0	0	0
SLC4A4	0	0	0
BST1	0	0	0
OLFR1420	0	0	0
GM4332	0	0	0
MAOA	0	0	1
PRPF40A	0	0	0
PSMC4	0	0	0
LGI3	0	0	0
BBIP1	0	0	0
EFCAB8	0	0	0
USP38	0	0	0
SH3BP5L	0	0	0
SPRR2G	0	0	0
RPS8	0	0	0
ITGAM	0	0	0
PGAP2	0	0	0
SYNPO2L	0	0	0
RPS23-PS1	0	0	0

ESRRG	0	0	0
RHOC	0	0	1
CSF2RA	0	0	0
EGFLAM	0	0	0
ZFP827	0	0	0
RPL27A	0	0	0
FGF16	0	0	0
NME1	0	0	0
SLFN1	0	0	0
PDLIM1	0	0	0
ETF1	0	0	0
LRRC4B	0	0	0
RNF4	0	0	0
GM8783	0	0	0
GM15801	0	0	0
RPS23	0	0	0
MIGA2	0	1	0
4930431P19RI	0	0	0
RPS12-PS3	0	0	0
DPH5	0	0	0
BAIAP2	0	1	0
ATP6V0C-PS2	0	0	0
MRPS18C	0	0	0
SRA1	0	0	0
TLR13	0	0	0
TMEM236	0	0	0
FEM1B	0	0	0
OLFR1251	0	0	0
UBE2D1	0	0	0
GPC1	0	0	0
GTF2F1	0	0	0
LOX	0	0	0
RBM14	0	0	0
RGL3	0	0	0
GM6018	0	0	0
CCDC141	0	0	0
GTPBP4	0	0	0
MFHAS1	0	0	0
CIAO2B	0	0	0
PTPN3	0	0	0
BVES	0	1	0
MLF1	0	0	0
LRRC51	0	0	0
HIST2H2AA2	0	0	0
ARID5B	0	0	0
PSMB1	0	0	0
STUM	0	0	0
MYBPC3	0	1	1
PDLIM7	0	0	0
MTHFD2	0	0	0

NRIP3	0	0	0
NUTF2-PS1	0	0	0
NUMBL	0	0	0
GHR	0	0	0
TUBB4B	0	0	0
ARF2	0	0	0
LRP8	0	0	0
KDM5C	1	0	1
PCMTD2	0	0	0
RETNLG	0	0	0
CDKN1A	0	0	0
JPT1	0	0	0
IL1R2	0	0	1
SRSF3	1	1	1
RGMA	0	0	0
SH3KBP1	0	0	1
FAM104A	0	0	0
RPL39	0	0	0
TNC	0	0	0
TPCN1	0	0	0
RNF185	0	0	0
PLPP7	0	0	0
MS4A4A	0	0	0
RPS15	0	1	0
RAVER2	0	0	0
GBA	0	1	0
SOBP	0	0	0
TMEM64	1	1	0
ADSS	0	0	0
H2AFZ	0	0	0
DRG1	0	0	0
MIA2	0	0	0
NOP16	0	0	0
PTPRS	0	0	0
RPL36A-PS2	0	0	0
MKRN1	0	0	0
EXTL1	0	0	0
UBAP1L	0	0	0
SPATA2L	0	0	0
TACO1	0	0	1
IRF5	0	0	1
NEO1	0	0	0
WDR92	0	0	1
LLPH	0	0	0
SLC25A34	0	0	0
EIF3H	0	0	0
PGAM1-PS2	0	0	0
KCNB1	0	0	0
SIX5	0	0	0
TNRC6C	0	0	1

RPS5	0	1	0
EIF3B	0	0	0
PPP1R2	0	0	0
FAM69B	0	0	0
TOR3A	0	0	0
TRAPPC1	0	0	0
MEMO1	0	0	0
CYP39A1	0	0	0
GPR157	0	0	0
RPS21	0	0	0
TMCC2	0	0	0
NAA25	0	0	0
KLF9	1	0	0
PRKRIP1	0	0	0
SF3B6	0	0	0
RPS10	0	0	0
MTSS1L	0	0	0
CHMP2A	0	0	0
RPL7A	1	1	1
SYF2	0	0	0
D8ERTD738E	0	0	0
MYH7B	0	0	0
RPS26	0	0	0
IFITM10	0	0	0
GM49339	0	0	0
NFIA	0	1	1
RPL11	0	0	0
GM826	0	0	0
MTERF2	0	0	0
ETFDH	0	0	0
GM31663	0	0	0
IMP3	0	0	0
SNRPC	0	0	0
DNTTIP2	0	0	0
SSR4	0	0	0
SLC10A3	0	0	0
RPL26	1	1	0
ATG101	0	0	0
SPTLC2	0	0	0
RPL36	0	0	1
RBM4	0	0	0
5330438D12RI	0	0	0
POLE3	0	0	0
CHD1	0	0	0
IFI203	0	0	0
CD52	0	0	0
MAVS	0	0	0
PCMT1	0	0	0
KLF12	0	0	0
PSTPIP2	0	0	0

ANO8	0	0	0
SPCS2	0	0	0
RPAP1	0	0	0
ALPL	0	0	0
FHL1	0	1	1
RBM24	1	0	0
NLRP3	0	0	0
NLRP9B	0	0	0
RNH1	0	0	0
GPR84	0	0	0
LDB3	0	0	0
PLIN5	0	0	0
TAF3	0	0	0
RIC8B	0	0	1
CYTH2	0	0	0
ACOT11	0	0	0
SLC25A35	0	0	1
IQSEC1	0	0	0
CHMP3	0	0	1
KIF13A	0	0	0
PRDX1	1	1	0
EIF4ENIF1	0	0	1
ABCA12	0	0	0
CCL9	0	0	0
REX1BD	0	0	0
COMMD6	0	0	0
NCOA2	0	0	0
GCLM	0	0	1
PSMD5	0	0	0
COTL1	0	0	0
CMTM8	0	0	0
COL12A1	0	0	0
CASTOR2	0	0	0
DPEP2	0	0	0
SLC35E4	0	0	0
TXNL1	0	0	0
GSK3B	0	1	1
EIF2S1	0	0	1
2310009B15RI	0	0	0
HPRT	0	0	0
PTPN22	0	0	0
ZFP30	0	0	0
EIF2S2	0	0	0
GM16867	0	0	0
EEF1B2	0	0	1
RPL31-PS8	0	0	0
GM21992	0	0	0
GTF2A2	0	0	0
SLC16A9	0	0	0
DBNL	0	0	1

PLCXD2	0	0	0
FAM32A	0	0	0
GOSR2	0	0	0
EIF4E3	0	0	0
CDK9	0	0	0
ACBD7	0	0	0
OSTC	0	0	0
PSMC1	0	0	0
MEFV	0	0	0
IFITM1	0	0	0
MYC	0	0	0
RPS6	0	0	0
SCCPDH	0	0	1
CARMIL3	0	0	0
CACNB1	0	0	0
NGDN	0	0	0
RPL23	0	0	0
FBXO3	0	0	0
TAX1BP3	0	0	0
SNX8	0	0	0
PPP6C	0	0	0
PTPRM	0	0	0
ZKSCAN3	0	0	0
MITF	0	0	0
CHID1	0	0	0
CCT5	0	0	0
RPSA	0	0	1
SYT3	0	0	0
BOP1	0	0	0
UBE2D3	1	0	1
TMEM100	0	0	0
LRP4	0	1	0
RB1CC1	0	1	1
TJAP1	0	0	0
GM12481	0	0	0
PSMA7	0	0	0
H3F3B	0	0	0
BABAM2	0	0	1
PGD	0	0	0
BRMS1	0	0	0
GM10275	0	0	0
SYNE1	0	0	0
HMGA1B	1	0	0
ART4	0	0	0
MEF2C	0	0	1
SOAT2	0	0	0
SPEG	0	0	1
CCT2	0	0	0
RPL14	0	0	0
GM10123	0	0	0

RALB	0	0	0
ABCA2	0	0	0
GM5152	0	0	0
ZDHHC1	0	0	0
GMFG	0	0	0
GM5113	0	0	0
USP31	0	0	0
KRT222	0	0	0
PDE4D	0	1	1
TMEM86A	0	0	0
FBXO21	0	0	0
SMG5	0	0	1
AKIP1	0	0	0
IMP4	0	0	0
CCDC6	0	0	0
RTF2	0	0	0
PDE1B	0	0	0
THUMPD3	0	0	0
PFN1	0	0	0
GPSM1	0	1	1
STX6	0	0	0
SRP19	0	0	0
VMP1	0	0	0
USP16	0	0	0
GM9762	0	0	0
ZFP383	0	0	0
UBE2J2	0	0	0
MCTS2	0	0	0
RAD18	0	0	0
TAF5	0	0	0
KDELC1	0	0	0
DNLZ	0	0	0
RPLP1	0	0	0
HARS	0	0	0
FCRLB	0	0	0
TSPAN4	0	0	1
GTF2H1	0	1	0
COL20A1	0	0	0
MSRB2	0	0	0
ZFP710	0	0	1
TMEM35A	0	0	0
USP47	0	0	0
CCL2	0	1	1
VPS37C	0	0	1
GPR155	0	0	0
VMN1R-PS144	0	0	0
RPS11	0	0	0
BET1L	0	0	0
RPL4	1	1	0
APEX1	0	0	0

COX17	1	0	0
MPHOSPH10	0	0	0
EIF1AD	1	0	0
UTP3	0	0	0
PPT2	0	0	0
LIMS2	0	0	0
SELPLG	0	0	0
PPP2R2D	0	0	0
TMC7	0	0	0
ELP5	0	0	0
THOC6	0	0	0
AKR1A1	0	0	0
PLEKHA5	0	0	1
MED10	0	0	0
JMJD6	0	0	0
PUS3	0	0	1
AK6	0	0	0
RPL7L1	0	0	0
ZFPM2	0	0	1
CXADR	1	0	1
DHDH	0	0	0
LMF1	0	0	0
TUBA1C	0	0	0
CARD9	0	0	0
NCF4	0	0	0
PIGK	0	0	1
DNAJA3	0	0	1
HIST1H3F	0	0	0
CFP	0	0	0
RBM27	0	1	0
TBCB	0	0	0
USP4	0	0	0
OLFR1396	0	0	0
TTC1	0	0	0
TXNDC9	0	0	0
2310011J03RIK	0	0	0
WHRN	0	0	0
ARPC2	0	0	0
ARPC3	0	0	0
ZFP219	0	0	0
PLEKHO1	0	0	0
CAPG	0	0	0
CYP27A1	0	0	0
ARHGEF17	0	0	0
SUGT1	0	0	1
TRMT12	0	0	0
ELOB	0	0	0
ADAL	0	0	0
TMEM128	0	0	0
TMEM11	0	0	0

NR0B2	0	0	0
PSMB6	0	0	0
MAK16	0	0	0
NR1D2	0	0	0
SRP9	0	0	0
CCT8	0	0	0
GM572	0	0	0
ITGB7	0	0	0
FKTN	0	0	0
GOS2	0	0	0
CEP83	0	0	0
RPL15	0	0	0
ALYREF	0	0	0
LRRC59	0	0	0
PABPN1	0	1	0
SPI1	0	0	0
MRPL20	0	0	0
GRHL1	0	0	0
LUC7L	1	1	0
TIMMDC1	0	0	0
RPL21	1	0	0
ZBPB2	0	0	0
GSG1L	0	0	0
SNED1	0	0	0
1700125H20RI	0	0	0
DACT3	0	0	0
ISLR	0	0	0
1810055G02RI	0	1	0
DPEP1	0	0	1
ENTPD3	0	0	0
S100A8	0	0	0
GPR17	0	0	0
RLF	0	0	0
SPP1	0	0	0
WSB2	0	0	0
CLEC11A	0	0	0
NPLOC4	0	0	0
PITPNC1	0	0	0
RPL13	0	0	0
DMAC2	0	0	0
PSMB3	0	0	0
PEX26	0	0	0
CCBE1	0	0	0
USH1C	0	0	0
TINF2	0	0	0
A530016L24RII	0	0	0
SUPT6	0	0	0
PRG4	0	0	0
DTX3L	0	0	0
TGOLN1	0	0	0

AI837181	0	0	0
CKAP5	1	0	0
JAG2	0	0	0
CDC42	0	0	0
RAI2	0	0	0
GTF2F2	0	0	0
RPS17	0	0	0
WDR13	0	0	0
LZTS2	0	0	0
GRB10	0	0	0
BMP7	0	0	0
CNST	0	0	0
CLCN3	0	0	0
TGFBR3	0	0	0
ZIM1	0	0	0
MAN2A2	0	0	0
NIPA1	0	0	0
SBNO2	0	0	0
LRRC30	0	0	0
FAM160A1	0	0	0
STAT5B	0	0	0
METTL1	0	0	0
CST3	0	0	0
PSMA2	0	0	0
ETL4	0	0	0
RNF207	0	0	0
UBAP2	0	0	0
CCL7	1	0	0
HK3	0	0	0
MS4A6C	0	0	0
RARS	0	0	0
LAMA2	0	0	0
ADPGK	0	0	0
EIF5	1	0	1
RPL27	0	0	0
SERF2	1	0	0
CYLD	0	0	0
GM9958	0	0	0
GM10177	0	0	0
PLSCR2	0	0	0
0610037L13RII	1	0	0
PSD3	0	0	0
PPP2R5D	0	0	0
MED12L	0	0	0
ENPP2	0	0	0
GTF3C1	0	0	0
POMP	0	0	0
GM20493	0	0	0
UTP4	0	0	0
PDCD6IP	0	0	0

GAN	0	0	0
NCCRP1	0	0	0
MMP9	0	0	0
RPL6	0	0	0
YIF1B	0	0	0
GATA6	0	1	0
STAT1	1	0	0
TNPO3	0	0	0
STARD7	0	1	0
DNAJC5	0	0	0
2310039H08RI	0	0	0
PARD6B	0	0	0
RCSD1	0	0	0
AMPD1	0	0	0
RASL10B	0	0	0
AHRR	0	0	0
OSBPL9	0	0	0
SERBP1	1	1	1
CXCR2	0	0	0
GM34653	0	0	0
VMA21	0	0	0
TAF10	0	0	0
CPT1B	0	0	0
CRIP1	0	0	0
PNCK	0	0	0
SLIRP	0	0	0
MDGA1	0	0	0
PYM1	0	0	0
EEF1G	0	0	1
GOLGA7	0	0	0
TNFAIP8	1	0	0
TAZ	0	0	0
H13	1	1	0
PLA2G7	0	0	0
HSPA1L	0	0	0
OLFR1250	0	0	0
WDR43	0	0	0
ALPK3	0	1	1
GM13212	0	0	0
PSME3	0	0	0
CSNK1G3	0	0	0
TNFRSF1A	0	1	0
IMPA2	0	0	1
SH3GL1	0	0	0
MED8	0	1	1
CNTNAP1	0	0	0
IGSF6	0	0	0
DCAF10	0	0	0
GDF15	0	0	0
SVBP	0	0	0

LRRC10	0	1	0
FAM160A2	0	0	0
AS3MT	0	0	0
TRP53RKB	0	0	0
TUBB6	0	0	0
NUBP1	0	0	0
LSS	0	0	0
ABLIM2	0	0	1
GAS6	0	0	0
LDLRAD4	0	0	1
CD300LF	0	0	0
CCDC50	0	0	1
HYPK	0	0	0
PRRX1	0	0	0
RPL8	0	0	0
FAM91A1	0	0	1
GBP6	0	0	0
ARHGDIA	0	0	0
CFLAR	0	0	1
LTB4R1	0	0	0
NGP	0	0	0
FBXW7	0	0	1
PDZD7	0	0	0
UTP14A	0	0	0
RPL18A	0	0	0
PRMT7	0	0	0
CCNQ	0	0	0
GALM	0	0	0
PEX14	0	0	0
MILR1	0	0	0
1110008P14RII	0	0	0
ARHGDIB	0	0	0
SSPN	0	0	0
PHC1	0	0	0
PSMA6	0	1	0
BYSL	0	0	0
CSDC2	0	0	0
PSEENEN	0	0	0
RASSF3	0	0	0
KLHL3	0	0	0
CD44	0	0	0
RPS24	0	0	1
LGALS4	0	0	0
SREK1IP1	0	0	0
ISOC2B	0	0	0
SRP14	0	0	0
COPZ1	0	0	0
PPL	0	0	0
TRIM65	0	0	0
NCBP2	0	0	1

HILS1	0	0	0
4930524J08RIK	0	0	0
SLC39A7	0	0	0
ZMAT2	0	0	0
RPF2	0	0	0
NCOA1	0	0	0
DVL3	1	1	1
MAP2K6	0	0	0
FAM174B	0	0	0
HRAS	0	0	0
ZBTB17	0	1	0
KCNJ5	0	0	0
OS9	0	0	0
COPS3	0	0	0
RHOBTB1	0	0	1
TAF7	0	0	0
COASY	0	0	0
NSUN2	0	0	1
DBP	0	0	0
MVP	0	0	0
AGPAT2	0	0	0
PID1	0	0	0
LRP5	0	0	0
GRPEL1	0	0	0
DAG1	0	0	0
ABCD3	0	0	0
FBXO44	0	0	0
C5AR1	0	0	0
AK2	0	1	0
PDAP1	0	0	0
GDPD5	0	0	0
MIF4GD	0	0	0
5830417I10RIK	0	0	0
IL17C	0	0	0
ADAM11	0	0	0
MED28	0	0	1
CCDC25	0	0	0
ARHGAP30	0	0	0
HIST1H2AC	0	0	0
STARD8	1	0	0
RPS19BP1	0	0	0
NLRX1	0	0	0
ITGA7	0	0	0
YPEL5	0	0	1
BC031181	0	0	0
FIBP	0	0	0
APOBEC1	0	0	0
FOXO6	0	0	0
FSCN2	0	0	0
CAMTA2	0	0	0

HSPB2	0	0	0
MNAT1	0	0	0
MFSD4B1	0	0	0
RBM18	0	0	0
PET100	0	0	0
RPS29	0	0	0
EIF2B2	0	0	0
COLGALT2	0	0	0
ZMYM2	0	1	0
PRICKLE3	0	0	0
SHLD1	0	0	0
CTNNAL1	0	0	0
CAMK2A	0	1	0
RPS13	0	0	0
ECHDC1	0	0	0
VEGFA	0	0	0
OXR1	0	0	0
RSAD1	0	0	0
PPARGC1B	0	0	0
OBSL1	0	0	0
TARDBP	0	0	0
PSAT1	0	0	0
PITPNM3	0	0	0
RASSF5	0	0	0
P4HA2	1	0	0
GON7	0	0	0
DPM1	0	0	0
ERMARD	1	0	0
SPRED3	0	0	0
PA2G4	0	0	0
PDPK1	0	0	0
PLXNB1	0	0	0
ARFIP1	0	0	0
MYO5C	0	0	0
PCDHGA1	0	0	0
SAAL1	0	0	0
ADGRL1	1	0	1
THAP2	0	0	0
UBE2V1	0	0	0
GM29394	0	0	0
MOSPD1	0	0	0
ZFP629	0	0	0
TMPRSS13	0	0	0
P2RX6	0	0	0
FES	0	0	0
RELT	0	0	0
S100A6	0	0	0
TRIM7	0	0	0
RAB32	0	0	0
RPL19	0	0	0

ZFP251	0	0	0
RAD54L2	0	0	0
ARHGAP20	0	0	0
ADAM19	1	1	1
ADCK1	0	0	0
MAP2K3	0	0	1
SLC3A2	0	0	0
TRIM30B	0	0	0
MRPL17	0	0	0
ACAD12	0	0	0
COG6	0	0	0
INHA	0	0	0
FBH1	0	0	0
CCDC9	0	0	0
TIMM10B	1	0	0
GUCY1A1	0	0	0
CD81	1	1	1
SLFN2	0	0	0
IL1F9	0	0	0
PIR	0	0	0
NAGK	0	0	0
CEP350	0	0	0
RELA	0	0	0
PSMA3	0	0	0
MIB1	0	0	0
TMBIM1	0	0	0
GSPT1	0	0	0
ANXA3	0	0	0
GNB5	0	0	0
MGAT3	0	0	0
MMP8	0	0	0
SPRYD7	0	0	0
GPR27	0	0	0
ATP6V1B2	0	0	0
CCND2	0	0	0
AP3S1	0	0	0
ISOC1	0	0	0
NUFIP1	0	0	0
NHLRC1	0	0	0
CTSD	0	0	0
TRAM2	0	0	0
DCP1B	1	1	1
MRPS34	1	0	0
GM17538	0	0	0
CBX7	0	0	0
PEF1	1	0	0
GM3776	0	0	0
NPR2	0	0	0
SEM1	0	0	0
FBRSL1	0	0	0

ATP6V0B	0	0	0
RFXANK	0	0	0
FAF2	0	0	0
PANK4	0	1	1
DAD1	0	0	0
NUS1	0	0	0
EMC7	0	0	0
TTLL11	0	0	0
PPP4C	0	0	0
BCAR1	0	0	0
MANBAL	0	0	0
TIFAB	0	0	0
HSPA4	0	0	0
LBH	1	0	1
RASL10A	0	0	0
PPP1R14B	0	0	0
AGO4	0	0	0
RAB3IP	0	0	0
NNT	0	0	0
2700081O15RI	0	0	0
RAB4B	0	0	0
SBF1	0	0	0
TOMM70A	0	0	0
XAB2	0	0	0
MRT04	0	0	0
SPTB	0	0	0
TMEM246	0	0	0
DNAJC2	0	0	0
FCGR3	0	0	0
GPR22	0	0	0
CCDC107	1	0	0
UCHL5	0	0	0
SRRT	0	0	0
NACA	1	1	1
LMOD3	0	0	0
LRTM1	0	0	0
NADK	0	0	0
PHC2	0	1	1
TDRD7	0	0	1
TMEM177	0	0	0
RALY	1	1	0
TTC3	1	1	0
FAM129B	0	0	1
PIK3C2B	1	0	0
ATXN1L	0	0	0
BMP2K	0	0	1
TNFRSF1B	0	0	0
FAM222A	0	0	1
ADI1	0	0	0
PANK3	0	0	0

SNRK	0	0	0
ZFC3H1	1	1	1
SESN1	0	0	0
ABR	0	0	0
TMEM63B	0	0	0
SNRPD3	1	0	0
GM20219	0	0	0
SNX20	0	0	0
ANXA5	0	0	0
SELL	0	0	0
POLDIP3	0	0	0
CTF1	0	0	0
PLAA	0	0	0
GEMIN7	0	0	0
ATG12	0	0	0
TSPYL4	0	0	0
H2AFJ	1	0	0
EML2	0	0	0
MSH2	0	0	0
RIOK1	0	0	0
BEST3	0	0	0
PRKCE	0	0	1
ARMH3	0	0	0
PCNA	0	0	0
RBM17	0	0	0
SGF29	0	0	0
PIP5K1B	0	0	0
PLEKHF1	0	0	0
FAM126B	0	0	0
PPARGC1A	0	0	0
PRKAA2	0	0	0
IPO5	1	0	1
GABARAP	0	0	1
RETREG1	0	0	0
UBXN10	0	0	0
COBL	0	0	0
MRPL53	0	0	0
SH3BGRL3	0	0	0
EXOSC4	0	0	0
ABCB9	0	0	0
GM15429	0	0	0
NDFIP2	0	0	0
SLC25A12	0	0	0
TSACC	0	0	0
ARHGAP45	0	0	0
CLIC1	0	0	0
GM20517	0	0	1
SCN7A	0	0	0
PAK4	0	0	0
CLEC4A2	0	0	0

WDR25	0	0	1
CABCO1	0	0	0
SPAST	0	1	1
ARMC2	0	0	0
2810006K23RI	0	0	0
AGL	0	0	0
MCTS1	0	0	0
SLC16A8	0	0	0
GRIA2	0	0	0
RPS9	1	1	0
CACNA2D1	0	1	1
KBTBD13	0	0	0
CXCR6	0	0	0
FER1L5	0	0	0
PURB	0	0	0
ENTPD4	0	0	0
MEF2A	0	0	0
PODN	0	0	0
STAT5A	0	0	0
CTTN	0	0	0
NAPSA	0	0	0
NAMPT	0	0	0
ERMP1	0	0	0
PBXIP1	0	0	0
NLN	0	0	0
SAP30	0	0	0
SLC12A7	0	1	1
CTDP1	0	0	0
PPP1R15A	0	0	0
EVI2A	0	0	0
SEC14L1	0	1	0
FITM2	0	0	0
ELOF1	0	0	0
CD200R1	0	0	0
MFSD5	0	0	0
DOK5	0	0	0
PROX1	0	0	0
VTA1	0	0	0
TREM1	0	0	0
ATF1	0	0	1
PKNOX2	0	0	0
RAN	0	0	0
MTPN	0	0	0
RCE1	0	0	0
PYGL	0	0	0
SPRED2	0	0	1
UTP11	0	0	0
TPPP	0	0	0
CRIP2	0	1	1
DNAJB6	0	0	0

PSMC5	0	0	0
SH3RF2	0	0	0
SERTAD1	0	0	0
UBQLN4	0	0	0
SNAI3	0	0	0
RNF128	0	0	0
TAF1A	0	0	0
SLC8A1	0	0	0
MGRN1	0	0	0
THBS2	0	0	0
EEF1E1	0	0	0
ERC1	0	0	0
LIAS	0	0	0
GPS1	0	0	0
UBE4B	0	0	0
ZBTB12	0	0	0
RIBC1	0	0	0
GINS2	0	0	0
SMARCC1	0	0	0
ENPEP	0	0	0
ITGAV	0	0	0
GTF2H5	0	0	0
ITPKB	0	0	0
ATRNL1	0	0	1
TMX4	0	0	0
GYS1	0	1	0
EXOC5	0	0	0
LONP1	0	0	0
CSF2RB	0	0	0
PLEKHH3	0	0	0
SKAP2	0	0	0
PCNX	0	0	1
ENTPD2	0	0	0
PKIA	0	0	0
SYK	0	0	0
GM17815	0	0	0
GM6345	0	0	0
GM3468	0	0	0
CD300LB	0	0	0
UPRT	0	0	0
SNX17	0	0	0
ITIH5	0	0	0
STK17B	0	0	0
GLIPR2	0	0	0
NEURL3	0	0	0
HS3ST1	0	0	0
LSM6	0	0	0
SHB	0	0	0
DST	1	1	1
ZNHIT6	0	0	0

PRMT1	0	0	0
IL7R	0	0	0
AP2M1	0	0	0
PTPRN2	0	0	0
TPM3	1	0	0
RABGEF1	0	0	0
CLDN9	0	0	0
CARS	0	0	0
PPIL1	0	0	0
RWDD4A	1	0	1
KCND3	0	0	0
COLQ	0	0	0
SLC9A3R1	0	0	0
LCP1	0	0	0
TGFB2	0	0	0
GM14548	0	0	0
PRIM1	0	1	0
VWA7	0	0	0
ATP6V0A1	0	1	1
FAM207A	0	0	0
ANKRD13A	0	0	0
PAPOLA	1	1	1
GOLT1B	0	0	0
HMGN2	0	0	0
1110065P20RI	0	0	0
HDAC6	0	0	0
PLEKHJ1	0	0	0
BC049762	0	0	0
PRRG1	0	0	0
SELP	0	0	0
STK19	0	0	0
VSTM4	0	0	0
XIRP2	0	1	0
NFAM1	0	0	0
GAS2L3	0	0	0
OTULINL	0	0	0
RIC8A	0	0	0
CCDC88B	0	0	0
PSMD11	0	0	0
CYP4F18	0	0	0
LSG1	0	0	0
RASGRP4	0	0	0
TRAPPC6A	0	0	0
GID4	0	0	0
1600014C10RI	0	0	0
RNMT	0	0	1
SASH3	0	0	0
DOK3	0	0	0
NELFE	0	0	1
CRK	0	1	0

TLR4	0	0	0
BLOC1S4	0	0	0
SNTA1	0	0	0
MAPRE1	1	0	0
SCARA5	0	0	0
RRM2B	0	0	0
COPS5	0	0	0
BCL2A1B	0	0	0
CNGA3	0	0	0
RCHY1	0	0	0
TSR3	0	0	0
GYPC	0	0	0
UXT	0	0	0
S100A9	0	0	0
ADAMTS7	0	0	0
OLFML2A	0	0	0
VCPKMT	0	0	0
EIF1AX	0	0	0
LIN37	0	0	0
NTNG2	0	0	0
PER1	0	0	0
PIM1	0	0	1
PPME1	0	0	0
SERP1	0	0	0
MPEG1	0	0	0
MRPL35	0	0	0
RAB13	0	0	0
TSPAN18	0	0	0
SLC35E1	0	0	0
COX16	0	0	0
ACP6	0	0	0
NEDD8	0	0	0
TMEM79	0	0	0
EIF3E	0	0	0
GM17428	0	0	0
CDKN1B	1	0	0
GLB1	0	0	1
DTNA	1	1	0
PDP2	0	0	0
MOV10L1	0	1	0
METTL6	0	0	0
CACNA1G	0	0	0
SLC35B1	0	0	1
GNA11	0	0	0
TARS	0	0	0
CARM1	0	0	0
SMARCC2	1	1	0
FAN1	0	0	0
RXRA	0	0	0
PM20D2	0	0	0

TMSB4X	0	0	0
CCNG2	0	0	0
CTSS	0	0	0
PCSK9	0	0	0
SLC41A1	0	0	0
KCNN4	0	0	0
CAPN1	0	0	0
TMEM147	0	0	0
CLEC4E	0	0	0
NCF1	0	0	0
CIDEB	0	0	0
ARPP19	0	0	0
YKT6	0	0	0
GFRA1	0	0	0
KAT6B	0	0	1
FAAP20	0	0	0
DUT	0	0	0
GABARAPL1	0	1	0
VEZT	0	0	0
NPY4R	0	0	0
GM11992	0	0	0
VPS25	0	1	0
PPP1R3C	0	0	0
COL4A4	0	0	0
ENPP4	0	0	0
NIPAL3	0	0	0
CBY1	0	0	0
MTMR14	0	0	0
PLGRKT	0	0	0
4930453N24RI	0	0	0
WDR7	0	0	0
PSMD14	0	0	0
DHRS7	0	0	0
ZFP536	0	0	0
PLAC8	0	0	0
MAP3K21	0	0	0
HEATR1	0	0	0
GM14494	0	0	0
MOCS3	0	0	0
CLEC5A	0	0	0
EIF4EBP1	1	0	0
SF3B4	0	0	0
EIF2B3	0	0	0
ATP5MPL	0	0	0
TIMM8B	0	0	0
FAM53B	0	0	0
PRKRA	0	0	0
CFL2	0	0	0
DPT	0	0	0
DNM1L	0	0	0

PSMB7	0	0	0
ZNHIT2	0	0	0
PSMD10	0	0	0
ZFP511	0	0	0
ZBTB40	0	0	0
MEDAG	0	0	0
TNFAIP8L2	0	0	0
GM5617	0	0	0
LCP2	0	0	0
TANGO6	0	0	1
PPP1R12B	0	0	0
EAPP	0	0	0
COQ8A	0	0	0
SERPINA3N	0	0	0
GM12630	0	0	0
CUL4B	0	0	0
RSL24D1	0	0	0
EXTL2	0	0	0
FAM122A	0	0	0
ABL2	0	0	1
TMEM72	0	0	0
WDR83OS	0	0	0
QSER1	0	0	0
KTI12	0	0	0
FAM8A1	0	1	0
LPL	0	1	0
NAPRT	0	0	0
RESF1	1	0	0
MCF2L	0	0	0
TBL3	0	0	0
ATP2A2	0	0	0
NUP62	0	0	0
PSMB2	0	0	0
KIF22	0	0	0
CTSZ	0	0	0
RRAGB	0	0	0
RPL23A	0	0	0
HAX1	0	0	0
GMNN	0	0	0
IL10RA	0	0	0
SEC14L5	0	0	0
GM6158	0	0	0
PUM3	0	0	0
CCM2	0	0	0
WIPF3	0	1	0
SGCG	0	0	0
INTS8	0	0	0
VPS11	0	0	0
HELZ2	0	0	0
TDP2	0	1	0

FKBP1A	0	0	0
STX11	0	0	0
ITM2A	0	0	0
SPHK2	0	0	0
BTNL9	0	0	0
RAB5IF	0	0	0
MMD	0	0	1
TRMT112	0	0	0
TBCA	0	0	0
DNAJB4	0	0	0
TRP53INP2	1	1	0
GPHN	0	0	1
ABT1	0	0	0
PELO	0	0	0
TOR1AIP2	1	0	1
JAM2	0	0	0
AMT	0	0	0
MMP12	0	0	0
TMLHE	0	0	0
RMDN2	0	0	1
PPP1R10	1	0	0
CYTH4	0	0	0
KLHL13	0	0	0
RALGAPA1	0	0	0
GEMIN6	0	0	0
SFXN5	0	0	0
RTCB	0	0	0
BCL11B	0	0	0
AKAP1	0	0	0
RPS12	0	0	0
KCNJ2	1	0	0
LITAF	0	0	0
MED11	0	0	0
MS4A6D	0	0	0
PIK3R1	0	0	0
PARL	0	0	0
PLXNB2	0	0	0
IK	0	0	0
ZER1	0	0	0
PCMTD1	1	0	1
HAUS1	0	0	0
ESR1	0	0	0
PTPN1	0	0	1
TNFRSF9	0	0	0
COBLL1	0	0	0
PAPLN	0	0	0
AGTR1A	0	0	0
SAMSN1	0	0	0
PTAFR	0	0	1
MIIP	0	0	0

SLC20A2	0	0	1
ATRIP	0	0	0
CD24A	0	0	0
FUT8	0	0	0
ARL4D	0	0	0
ARF6	1	0	0
RIN1	0	0	0
RBL2	0	0	0
RASL11B	0	1	1
NCAPH2	0	0	0
ENSMUSG000C	0	0	0
PTPN7	0	0	0
IL20RB	0	0	0
ZFP759	0	0	0
BTF3L4	0	0	0
SLC7A4	0	0	0
UBE2K	0	0	0
PARD3	0	0	1
SPRYD3	0	0	0
ATOX1	0	0	0
EGR2	0	0	0
GM5641	0	0	0
LRRN4CL	0	0	0
RTL8C	0	0	0
MTIF2	1	0	0
GM5909	0	0	0
HAUS7	0	0	0
ZFP108	0	0	0
APOBR	0	0	0
SNRPA1	0	1	0
IFI30	0	0	0
ASB10	0	0	0
MOSMO	0	0	1
MSTO1	0	0	0
GRN	0	0	0
RETNLA	0	0	0
FBXO36	0	0	1
BLOC1S1	0	0	0
ANP32B	1	1	1
TNFAIP2	0	0	0
CBR1	0	0	0
CEACAM20	0	0	0
DGUOK	0	0	0
ACTR2	0	0	0
AUTS2	0	0	0
B430306N03RI	0	0	0
FAM131A	0	0	0
ENTPD5	0	0	0
37681	0	0	0
PNKP	0	0	0

SAP30BP	0	0	0
NIP7	0	0	0
IFIT1BL1	0	0	0
MREG	0	0	0
UBXN2A	0	0	0
CLCN1	0	0	0
ALDH1L2	0	0	0
ELAC2	0	0	0
ZFP445	0	0	0
ERC2	0	0	1
HIVEP2	0	0	1
RHBDL3	0	0	0
IRAK1	0	0	0
RPS3	0	0	0
MILL2	0	0	0
ING5	0	0	0
AP2S1	0	0	0
ATP6V1C2	0	0	0
OSGEPL1	0	1	0
SPRR1A	0	0	0
STC2	0	0	0
CD37	0	0	0
SERGEF	0	0	0
TATDN2	0	0	0
STN1	0	0	0
GM31532	0	0	0
CFAP126	0	0	0
UBE2V2	0	0	0
RBMXL1	0	0	0
BCHE	0	0	0
MAN2B2	0	0	0
OSBPL8	0	0	0
NPC2	0	0	0
UFM1	0	0	0
SCIN	0	0	0
TOMM6	0	0	0
3110082I17RIk	0	0	0
TMTC1	0	0	0
EXD2	0	0	0
HNRNPD	0	0	0
NQO1	0	0	0
PFDN2	0	0	0
EMILIN1	0	0	0
MINDY2	0	0	0
KMT2D	0	0	0
ADRA1D	0	0	0
NUP155	1	1	0
CPSF7	1	0	1
AI464131	0	0	0
XPNPEP1	0	0	0

ATF3	0	0	0
HAVCR2	0	0	0
OXCT1	0	0	0
PTBP2	0	0	0
BIN3	0	0	0
ATRAID	0	1	0
TM2D2	0	0	0
ATXN3	0	0	0
PRLR	0	0	0
NME4	0	0	0
IGFALS	0	0	0
TIMM17A	0	0	0
EID3	0	0	0
TMEM9B	0	0	0
MARK1	0	0	0
USO1	0	0	1
YWHAG	0	0	0
PLXND1	0	0	0
UBE2M	0	0	0
DPPA3	0	0	0
DERL2	0	0	0
MYO1F	0	0	0
TMSB10	0	0	0
CNDP2	0	0	0
C130050O18RI	0	0	0
RAF1	0	0	0
GPR156	0	0	0
TMEM183A	0	0	0
9130401M01R	0	0	0
RANGAP1	0	0	0
STK16	0	0	0
KCND2	0	0	0
RWDD1	0	0	0
COMMD2	0	0	0
METTL17	0	0	0
WDR36	1	0	0
EIF4EBP2	0	0	0
RNASEH2C	0	0	0
ZFP566	0	0	0
FAM107B	1	0	0
UQCC2	0	0	0
LRP3	0	0	0
MEA1	0	0	0
RIMS4	0	0	0
PGLS	0	0	0
MALSU1	0	0	0
DARS2	0	0	0
TMEM135	0	0	0
CCNG1	0	0	0
PGLYRP1	0	0	0

ZFP879	0	0	0
ANXA6	0	0	0
RALA	0	0	0
ADORA1	0	0	0
PCDHGC3	0	0	0
RGS2	0	0	0
NCL	0	0	0
PIN1	1	0	0
PSMG3	0	0	0
SORBS2	1	1	1
MPPE1	0	0	0
FAM214B	0	0	0
AU022252	0	0	0
MYCN	0	0	0
GTF2A1	0	0	0
BTK	0	0	0
BTBD10	0	0	0
GM12918	0	0	0
APAF1	0	0	0
FGR	0	0	0
MFAP5	0	0	0
CYB5R2	0	0	0
AGK	0	0	0
NDRG4	1	1	1
CYP3A13	0	0	0
RPL28-PS1	0	0	0
PSMC6	0	0	0
GM6185	0	0	0
RNF126	0	0	0
4921504E06RII	0	0	0
BZW1	1	0	0
SLC41A3	0	0	0
PES1	0	1	1
AGBL2	0	0	0
PIBF1	0	0	0
STUB1	0	0	0
SIRPB1B	0	0	0
N4BP2L1	0	0	0
SLC7A6OS	0	0	0
PTAR1	0	0	1
PAQR7	0	0	0
USP53	0	0	0
SMIM12	0	0	0
NDUFB3	0	0	0
ARF4	0	0	0
MRPL40	0	0	0
PPP1R3B	0	0	0
PTK2B	0	0	0
KMT5A	1	1	0
ZFP36	0	0	0

WDSUB1	0	0	0
4921513I03RIK	0	0	0
ACTB	0	0	0
ZBTB44	0	0	1
ZKSCAN5	0	0	0
CNIH4	0	0	0
CTGF	1	1	0
ADD3	1	0	1
FBXL17	0	0	0
ARPC1B	0	1	1
GSTA1	0	0	0
RPF1	0	0	0
BASP1	0	0	0
WNK2	0	0	0
RAPGEF1	1	1	1
SGCB	0	0	0
LAPTM5	0	0	0
STIP1	0	0	0
GPSM3	0	0	0
LIN7C	0	0	0
HINT1	0	0	1
TSPAN12	0	0	0
NFKBIB	0	0	0
ZFP133-PS	0	0	0
ANXA7	0	0	0
PRRG3	0	0	0
DECR2	0	0	0
TMBIM6	0	0	0
ARPIN	0	0	0
LMAN1	0	0	0
NAA40	0	0	0
TBRG1	0	0	0
SLC2A4	0	0	0
DES	1	1	0
N4BP2L2	0	0	0
DHX38	0	0	0
PRPF38A	0	0	0
SRP54A	0	0	0
DGLUCY	0	0	1
KIF28	0	0	0
KLRE1	0	0	0
GRB14	0	0	0
PARK7	0	0	0
SLA	0	0	0
ANKRD34A	0	0	0
CSF2RB2	0	0	0
KCTD6	0	0	0
SLFN4	0	0	0
LRRC3B	0	0	0
CHRD	0	0	0

NOL9	0	0	0
NFKBIE	0	0	0
HIST4H4	0	0	0
GM8186	0	0	0
GPR65	0	0	0
TRPV2	0	0	0
ZFP12	0	0	0
EMILIN2	0	0	0
FAM204A	0	0	0
SERPINE1	0	0	0
CCRL2	0	0	0
PARD3B	0	0	1
PCF11	0	0	0
GM11427	0	0	0
2010003K11RII	0	0	0
SLF2	0	0	0
PPBP	0	0	0
CLEC4N	0	0	0
SSSCA1	0	0	0
EIF4E2	1	0	0
9430038I01RIK	0	0	0
DDX6	1	0	0
SARS	0	0	0
0610010F05RII	0	0	0
PGK1	1	0	1
PCGF1	0	0	0
GM16434	0	0	0
GM6676	0	0	0
EXOC6	0	0	0
AC109138.2	0	0	0
BRK1	0	0	0
AMH	0	0	0
GPN2	0	0	0
DND1	0	0	0
EPM2A	0	0	0
NFX1	0	1	1
GNA12	0	0	0
TRAF3IP1	0	0	1
RGS14	0	0	0
ALKBH3	0	0	0
PLXNA4	0	0	0
NIPA2	0	0	0
UXS1	0	0	0
TSGA10	0	0	0
SSTR3	0	0	0
TRMT2B	0	0	0
EFCAB2	0	0	0
FEM1A	0	0	0
6430548M08R	0	0	0
ZFR	0	1	1

UTY	0	0	0
KCTD1	0	0	0
BOD1L	0	0	0
DAXX	0	0	0
NAP1L3	0	0	0
SENP7	0	1	0
BCR	0	1	1
CYTH1	0	0	0
SLC9A2	0	0	0
LRRC14B	0	0	0
TEF	0	0	0
SYBU	0	0	0
EMP1	0	1	0
ABHD17A	0	0	0
DCUN1D3	0	0	0
SLC39A6	0	0	0
HIST1H4H	0	0	0
NUBP2	0	0	0
GM7694	0	0	0
PPP1CC	1	0	0
RPL34-PS1	0	0	0
AGPS	0	1	1
USP37	0	0	0
MOB3A	0	0	0
HNMT	0	0	0
CTNNA3	0	0	1
PLA2G4E	0	0	0
PLEKHO2	0	0	0
SAMD8	0	0	0
APPL2	0	0	0
ZYX	0	1	0
ZFP938	0	0	0
SLC12A6	0	0	1
LRP6	0	0	0
MTHFSD	0	0	0
RASAL2	0	0	0
AFF4	0	1	1
SMIM20	0	0	0
B3GAT3	0	0	0
PSMC2	0	0	0
TARBP1	0	0	0
PEX11B	0	0	0
HOMER1	0	0	1
ECHDC3	0	0	0
TMEM129	0	0	0
DNA2	0	0	0
4931440P22RII	0	0	0
CHMP1A	0	0	0
LMNB1	0	0	0
RREB1	0	0	1

FRG1	0	0	0
TSC22D2	0	0	1
CDR2	0	0	0
WNT5A	0	0	0
GM20695	0	0	0
DNAJA2	0	0	0
PPM1B	0	0	1
ATP8B4	0	0	0
SRI	0	0	0
QRSL1	0	0	0
TIMD4	0	0	0
PON3	0	0	0
SET	1	0	0
RNF149	0	0	0
ELK1	0	0	0
TMA7	0	0	0
ZFP646	0	0	0
UBE2S	0	0	0
HSPBAP1	0	0	0
TNIP1	0	0	0
SELENOW	0	0	0
PSMD4	0	0	0
POMC	0	0	0
ALCAM	0	0	0
DYNC1H1	0	1	0
ELK4	0	0	0
KLHL38	0	0	0
EMP3	0	0	0
NDUF6	0	0	0
PILRA	0	0	0
ABCB10	0	0	0
HSPB8	0	0	0
LSM14B	0	0	0
ANKRD29	0	0	0
MN1	0	0	0
MS4A8A	0	0	0
SHKBP1	0	0	0
DRD2	0	0	0
993011J21RIk	0	0	0
MYH6	0	0	0
FKBP9	0	0	0
ADPRHL2	0	0	0
ASPRV1	0	0	0
SGO2A	0	0	0
LIMS1	0	0	1
PF4	0	0	0
OLFM1	0	0	0
HIST1H4A	0	0	0
DNAL4	0	0	0
DDX50	0	0	0

RAP1A	0	0	0
SLC7A5	0	0	0
ZC3H3	0	0	0
ATP6AP2	0	0	1
ABCE1	0	0	0
ZBTB14	0	0	0
SLC16A10	0	0	0
PMM1	0	0	0
RPS6-PS4	0	0	0
AFF2	0	0	1
ESPN	0	0	0
CUL9	0	0	0
CLEC4A3	0	0	1
ENSMUSG000C	0	0	0
ALDH9A1	0	0	0
EEF1A1	0	0	0
ASB15	0	0	0
DDX49	0	0	0
LONRF3	0	0	0
SLF1	0	0	0
RAPGEF5	0	0	1
IGFBP7	0	0	0
TBCD	0	0	0
ODC1	0	0	0
ABCD2	0	0	0
HIST1H4C	0	0	0
MED21	0	0	0
KCNH2	0	0	0
KIFC3	0	0	0
POLR2K	0	0	0
NPPB	1	0	1
GM37994	0	0	0
MYO1G	0	0	0
SLC38A4	0	0	0
SMN1	0	0	0
KLHL31	0	0	0
SFPQ	0	1	1
CASQ2	0	0	1
CDC14B	0	0	0
EREG	0	0	0
PPP2CB	0	0	1
ZFP275	0	0	0
ZFP568	0	0	0
POMT1	0	0	0
SMAP1	0	0	0
YIF1A	1	0	0
MRPL21	0	0	0
DOCK3	0	0	0
TCEAL1	0	0	0
UFSP2	0	0	0

MEGF8	0	0	0
ZFP395	0	0	0
PPP2R3C	0	0	0
TRAF2	0	0	0
2310061I04RIK	0	0	0
NPM1	0	0	0
GJA1	1	1	1
WFIKK2	0	0	0
AKR1C14	0	0	0
RPLP0	0	0	0
FLVCR1	0	0	0
HMCN1	0	0	0
BC034090	0	0	0
CIRBP	0	0	0
CPSF4	0	0	0
PDSS2	0	0	0
MCRIP2	0	0	0
ZFP651	0	0	0
WBP2	0	0	0
ACR	0	0	0
SCGB3A1	0	0	0
FAM185A	0	0	1
ACP5	0	0	0
KIF26B	0	0	1
SOCS3	0	0	0
POMGNT2	0	0	0
MRPL13	0	0	0
TIPIN	0	0	0
SETBP1	0	0	0
ZFP706	0	0	0
MAEA	0	0	0
COLCA2	0	0	0
MYLK4	0	0	0
CES2E	0	0	0
KCNC3	0	1	0
LRRC52	0	0	0
LACTB	0	0	0
SSBP1	0	0	0
SART1	0	0	0
ACOT3	0	0	0
DAP	0	0	0
EIF3G	0	0	0
DUSP18	0	0	0
K230010J24RIK	0	0	0
SLC5A6	0	0	0
TNFRSF21	0	0	0
TCAM1	0	0	0
TIMM9	0	0	0
SNF8	0	0	0
GM7889	0	0	0

VMN1R65	0	0	0
RCOR2	0	0	0
ANKMY2	0	0	0
EIF3K	0	0	0
SLC35B3	0	0	0
ETFRF1	0	0	0
PARM1	1	0	1
GLUL	0	0	0
WFIKKN1	0	0	0
AI606181	1	0	0
ZC3H15	0	1	0
WDR26	0	0	0
PHYHIP	0	0	0
SNRPF	0	0	0
FCGR1	0	0	0
NOP14	0	0	0
MIEF1	0	0	0
SRXN1	0	0	1
CACNA1H	0	0	0
M6PR	0	0	0
OPA1	1	0	0
DPM3	0	0	0
CHCHD2	0	0	0
VMN1R56	0	0	0
CLEC4A1	0	0	0
GPR183	0	0	0
FERMT3	0	0	0
ARHGEF9	0	0	0
TFIP11	0	0	1
CD68	0	0	0
MME	0	0	0
ARRB2	0	0	0
XPO7	0	0	0
CAPRIN1	0	0	0
CCHCR1	0	0	0
SLC39A1	0	0	0
SRBD1	0	0	0
ATP1A3	0	0	0
MRPL32	0	0	0
TTC9C	0	0	0
MPLKIP	0	0	0
RBM19	0	0	0
TSR1	0	0	1
CBFA2T3	0	0	0
VRK3	0	0	0
EML1	0	0	0
UBA1	0	0	1
RALGAPA2	0	0	0
MAPK1IP1L	1	1	1
SUN1	0	0	0

PCNT	0	0	0
NFKBIZ	0	0	0
CR550303.1	0	0	0
MOGAT2	0	0	0
CWC15	0	1	0
EPC1	0	0	0
KCMF1	0	0	0
EXOSC2	0	0	1
FBXO31	0	0	0
TLN1	0	0	0
SHROOM4	0	0	0
IER3IP1	0	0	0
ECHDC2	0	0	0
ADGRE5	0	0	0
ACTR10	0	0	0
MTO1	0	0	0
CFAP57	0	0	0
EDEM1	0	0	0
FBL	0	0	0
RER1	0	0	0
HIST1H2BE	0	0	0
HNRNPH2	0	0	0
1700003E16RII	0	0	0
TRIM63	0	1	0
CLCA3A1	0	0	0
TPT1	0	0	0
GIGYF1	0	1	1
SEC62	0	0	0
TNFSF14	0	0	0
NAT14	0	0	0
RABEPK	0	0	0
NTN4	0	0	1
IFI209	0	0	0
CSRP3	0	0	0
B330016D10RI	1	0	0
EXOSC5	0	0	0
DNTTIP1	0	1	0
36951	0	0	1
DLGAP4	1	1	1
NRTN	0	0	0
LRRFIP1	1	1	1
PARP1	0	0	0
SOWAHC	0	0	0
DUSP26	0	0	1
ACADL	0	0	0
ARG2	0	0	0
IL4RA	0	0	0
PPP1R12A	1	1	1
CDKN1C	0	0	0
ISCA1	0	0	0

PIM2	0	0	0
DDIT3	0	0	0
SNRPG	0	0	0
MAGOH	0	0	0
SHC1	0	0	0
MB21D2	0	0	0
PPP2R3A	0	0	0
ADAMTS3	0	0	0
CCT7	0	0	0
CMYA5	0	0	0
PFN4	0	0	0
PCNA-PS2	0	0	0
GPR108	0	0	0
MXD1	0	0	0
EXOSC9	0	0	0
GGA2	0	0	0
UBA5	0	0	0
RDH12	0	0	0
PAFAH1B2	0	0	0
THADA	0	0	0
UBE3A	0	0	0
TIMM17B	0	0	0
TSSK3	0	0	0
PIH1D1	0	0	0
PKD1L3	0	0	1
PTPN12	0	0	0
ACSF2	0	0	0
1810032O08RI	1	0	0
LAMP1	0	0	0
KCNJ11	0	0	0
MCL1	1	0	0
GPR141	0	0	0
AMN1	0	0	0
RBM20	0	1	1
TCERG1	0	0	1
MAP4K1	0	0	0
GM49322	0	0	0
VPS16	1	0	0
SPTY2D1	0	0	0
IARS2	0	0	0
HS1BP3	0	0	0
ERP44	0	0	0
DPF3	0	0	0
PFDN5	0	0	0
PCBP4	0	0	1
DNAJC1	0	0	0
WWP1	0	0	0
CEACAM1	0	0	0
GM31274	0	0	0
KCNV2	0	0	1

ST3GAL6	0	0	0
TENT5A	0	0	0
MYDGF	0	0	0
FTO	0	0	1
C1QTNF9	0	1	0
TMCO3	0	0	0
NARF	0	0	0
PLA2G5	0	0	0
MATK	0	0	0
ABL1	0	0	0
BTLA	0	0	0
IL1RN	0	0	0
SNRPD2	0	0	0
KDM1B	0	0	0
PIAS2	0	1	1
BLOC1S2	0	0	0
DENND4A	0	0	1
ZFP513	0	0	0
RDH13	0	0	0
GM42669	0	0	0
TNRC6B	0	0	0
CCL12	0	0	0
ADAMTS5	0	0	0
SPATA24	0	0	0
DYNLRB1	0	0	0
VPS13A	0	0	0
CMTM4	0	0	0
PTP4A3	0	0	0
TMED2	0	0	0
IL15	0	0	0
OSBP	0	0	1
ZFP128	0	1	0
ABHD4	0	0	0
MROH1	0	0	1
CEP170	0	0	0
ZFP719	0	0	0
SPATS2L	0	0	0
ADAMTS4	0	0	0
PRR29	0	0	0
TRIM23	0	0	0
LSR	0	0	0
KCNE1	0	0	0
LGSN	0	0	0
ABHD2	0	0	1
FEZ2	0	0	0
WAPL	0	0	0
HSD17B4	0	0	1
GM14890	0	0	0
PIGF	0	0	0
TARM1	0	0	0

TMEFF1	0	0	0
NOS1AP	0	0	0
38961	0	0	0
MRVI1	0	0	0
CCL22	0	0	0
CHURC1	0	0	0
BAD	0	0	0
SUPT5	0	0	0
NOP2	0	0	1
DUSP6	1	0	0
NEU3	0	0	0
HS6ST1	0	0	0
ANKRD46	0	0	0
GPR132	0	0	0
SLC17A6	0	0	0
HAPLN2	0	0	0
LMAN1L	0	0	0
GDI2	0	0	0
PRPF6	0	0	1
ZFP386	0	0	1
BCL11A	0	0	0
CD72	0	0	0
SEC31A	0	0	0
CLEC12A	0	0	0
PLOD1	0	0	0
ACO1	0	0	0
4931414P19RI	0	0	0
SELENOK	0	0	0
AKAP7	0	0	0
PHF2	0	0	0
GAB1	0	0	0
IGF1R	0	1	1
RPP38	0	0	0
FNBP1	0	0	0
DNPEP	0	0	0
CRLF1	0	0	0
UFC1	0	0	0
DDX1	0	0	0
CMPK1	0	0	0
GCK	0	0	0
ZFP748	0	0	0
MYD88	0	0	0
MSRB3	0	0	0
DNAJB11	0	0	0
CHP1	0	0	0
CCL27A	0	0	0
GLA	0	0	0
SUPT4A	0	0	0
FCGR2B	0	0	0
SMPDL3A	0	0	0

FIP1L1	0	1	0
GM16286	0	0	0
KPNB1	0	0	0
MMAB	0	0	0
RNASEK	0	0	0
GNS	0	0	0
NHLH1	0	0	0
STAM2	0	0	0
TOMM20	0	0	0
LRMP	0	0	0
PLD1	0	0	0
RBPJ	0	0	0
PMEL	0	0	0
CISD2	0	0	0
ABHD3	0	0	0
BATF	0	0	0
PDE12	0	0	0
PMAIP1	0	0	0
KCNQ1	0	0	1
OGFOD3	0	0	0
GALNT17	0	0	0
TMEM173	0	0	0
WDCP	0	0	0
TTC30B	0	0	0
WDR77	1	0	1
CLDN15	0	0	0
TNFSF9	0	0	0
SLC44A1	0	0	0
TFDP2	0	0	0
HGSNAT	0	0	0
ABCC8	0	0	0
ANKRD2	0	0	0
MNDAL	0	0	0
APOOL	0	0	0
RBBP9	0	0	0
GM42715	0	0	0
ATP6V1F	0	0	0
PWP2	0	0	0
KLHL26	0	0	0
ZFP971	0	0	0
SNAI1	0	0	0
SDF4	0	0	0
ALKBH6	0	0	0
PSMD2	0	0	0
TMEM47	0	0	0
JMJD7	0	0	0
AREG	0	0	0
ABI1	0	0	0
GARS	0	0	1
B3GNT7	0	0	0

NFIC	0	0	0
TBCC	0	0	0
EDF1	0	0	0
FAM229A	0	0	0
MAPK7	0	0	0
GM12097	0	0	0
TMEM192	0	0	0
CCDC112	0	0	0
VTI1B	0	0	0
RAB5C	0	0	0
STRAP	0	0	0
DELE1	0	0	0
ZMAT5	0	0	0
WDR70	0	0	0
EIF3L	0	0	1
ATP1B2	0	0	0
TMEM251	0	0	0
FMR1	0	0	0
EAF2	0	0	0
RRM1	0	0	1
2810025M15R	0	0	0
GAS1	0	0	0
USP6NL	1	0	0
NIM1K	0	0	0
BC067074	0	0	0
PCDHGC4	0	1	1
PSMD7	0	0	0
RBM42	0	0	0
HP1BP3	0	1	0
RAB8B	0	0	0
E2F4	0	1	1
ERBB3	0	0	0
NCOR1	0	0	0
TBC1D16	0	0	0
TATDN1	0	0	0
ZFP641	0	0	0
HSD17B12	0	0	0
LSMEM1	0	0	0
ARHGEF6	0	0	0
USF3	0	0	1
CCZ1	0	0	0
OLFR920	0	0	0
DIAPH1	0	0	0
COX15	0	0	0
KIF2A	0	0	0
TMEM204	0	0	0
NEXN	0	0	0
CLNS1A	0	0	1
ETV1	0	0	1
SBSN	0	0	0

CH25H	0	0	0
PDZD2	0	0	0
LMNTD2	0	0	0
ZFAND2B	0	0	0
TXNDC17	0	0	0
D1ERTD622E	0	0	0
BC037034	0	0	0
PATZ1	1	0	0
STRADA	0	0	0
IL1B	0	0	0
GAB2	0	0	0
HNRNPF	0	1	1
ZFP46	0	0	0
SRSF10	1	1	0
POP4	0	0	0
WDR55	1	0	0
KLHL30	0	0	0
RND3	0	0	0
TIPRL	0	0	0
FZD4	0	0	0
SPCS1	0	0	0
LILRA6	0	0	0
MIEF2	0	0	0
SH3D21	0	0	0
CDS2	1	0	1
TMEM25	0	0	0
DENND1C	0	0	0
CAMK2B	0	0	0
SRL	0	0	0
GMPR	0	0	0
EHD4	0	0	0
ORC3	0	0	0
WWP2	0	0	0
UBQLN2	0	0	0
REXO2	0	0	0
MPDZ	0	0	0
CREB3L2	0	0	0
UBR2	0	0	0
KDR	0	0	0
MRPL57	0	0	0
TLDC1	0	0	0
SPRTN	0	1	0
FKRP	0	0	0
SCO2	0	0	0
AP3M1	0	0	0
PAK1	0	0	0
SEC24C	0	0	0
ATP6V0E2	0	0	0
SLC36A2	0	0	0
PCDHGA2	0	0	0

SMARCD1	0	1	1
SAC3D1	0	0	0
TESC	0	0	0
FIG4	0	0	0
SMPD2	0	0	0
TPD52L1	0	0	0
YRDC	0	0	0
HCK	0	0	0
LRRC25	0	0	0
PSMB4	0	0	0
MAT2B	0	0	0
UCHL3	0	0	0
LRRC1	0	0	0
GATAD2A	0	0	0
EIF3I	0	0	0
GSTA2	0	0	0
RCAN2	1	0	1
ZFP622	0	0	0
KLHDC7A	0	0	0
LAMTOR1	0	0	0
MTHFD1L	0	0	0
TSG101	0	0	0
KLHL8	0	0	0
GNPTG	0	0	0
CXCL5	0	0	0
PDGFD	0	0	1
ADGRL2	0	0	0
ITPR1	0	0	1
DPM2	0	0	0
MCM3	0	0	0
TAX1BP1	0	0	0
TMEM220	0	0	0
FAR2	0	0	1
ZFP941	0	0	0
SLC16A1	1	0	1
B3GALT2	0	0	0
CABLES1	0	0	1
GM2A	0	0	0
RAB40C	0	0	0
PSMG4	0	0	0
WDR46	0	0	0
PCDHB19	0	0	0
ACMSD	0	0	0
GM6377	0	0	0
SPACA6	0	0	1
TREM3	0	0	0
USP2	0	0	0
KCNJ12	0	0	0
TRAPPC2L	0	0	0
MINOS1	0	0	0

WDR5	0	0	0
ANAPC7	0	0	0
FST	0	0	0
SEC24B	0	0	0
PIGT	0	0	0
TMA16	0	0	0
GM6472	0	0	0
ZFHX2	0	0	0
AGAP3	0	1	0
FOSL1	0	0	0
GM21188	0	0	0
CIDEA	0	0	0
PRPSAP1	0	0	0
ZFP560	0	0	0
SFN	0	0	0
KLHL6	0	0	0
1500011B03RI	0	0	0
ENSMUSG000C	0	0	0
GPC4	0	0	0
HDAC11	0	0	0
MED7	0	0	0
CTSL	0	0	0
ILKAP	0	0	0
GPD2	0	0	0
MICAL1	0	0	0
CSGALNACT2	0	0	0
INPP5D	0	0	1
FBXW10	0	0	0
KATNBL1	0	0	0
AOX1	0	0	0
SELENOP	1	0	0
MMP14	0	0	0
IGFBP5	0	0	0
CCDC73	0	0	0
NCF2	0	0	1
VILL	0	0	0
SLC16A3	0	0	0
DSG2	0	0	0
GM12501	0	0	0
FAM163B	0	0	0
SMCO4	0	0	0
TMEM248	0	0	0
DHRS9	0	0	0
COL6A6	0	0	0
ZCCHC14	0	0	0
FARSA	0	0	0
DCTPP1	0	0	0
PDE1C	0	0	0
TREML2	0	0	0
EMSY	0	0	0

TOM1	0	0	1
RAC1	0	0	0
SEC23B	0	0	0
ARHGAP42	0	0	0
MRNIP	0	0	1
HOPX	0	0	0
BC005537	1	0	0
MORN5	0	0	0
RDH5	0	0	0
CAR13	0	0	0
RHOQ	0	0	1
DNAJC15	0	0	0
PTPRC	0	0	0
TNFRSF11A	0	0	0
ARMCX3	1	0	0
SIPA1L1	0	0	1
SLC35F1	0	0	0
NRROS	0	0	0
UQCC1	0	0	0
DNAJC11	1	1	0
RPL28	0	0	0
POLR3C	0	0	0
SEMA4B	0	0	0
BAG3	0	0	0
CDKL3	0	0	0
MRPS14	0	0	0
PPIE	0	0	0
IFITM2	0	0	0
RPL7	0	0	0
SIRT5	0	0	0
RAD23A	0	0	0
NT5E	1	0	0
NUDT7	0	0	0
MEIS1	0	0	0
DDX23	0	0	0
MPP7	0	0	0
EBNA1BP2	0	0	0
TRP53BP1	0	0	0
TMED5	0	0	0
1810030007RI	0	0	0
MRPS17	0	0	0
DUSP7	0	1	0
KLHDC1	0	0	0
OSGIN1	0	0	0
ALG5	0	0	1
ZFP966	0	0	0
ARL6IP5	0	0	1
GADD45G	0	1	1
CMAS	0	0	0
DACH1	0	0	0

FERMT2	0	0	0
ZFP521	0	0	0
WIPI1	0	0	0
FLVCR2	0	0	0
USMG5	0	0	0
38777	0	0	0
ACSL4	0	0	0
TMEM256	0	0	0
RNF25	0	0	0
ZFP366	0	0	1
ZBTB4	0	0	1
TRA2B	0	0	0
GTF2B	0	0	0
GM10644	0	0	0
LVRN	0	0	0
ECM2	1	0	1
BCL2A1D	0	0	0
GGA1	0	1	0
MANSC1	0	0	0
KLHL21	0	0	0
FILIP1	0	0	0
PLOD2	0	0	0
TMA7-PS	0	0	0
TRABD	1	0	1
DMPK	1	1	1
EXOC4	0	1	1
NARS2	0	0	0
CYP1B1	0	0	0
RBM47	0	0	0
CUL3	0	0	0
PDLIM4	0	0	0
LYNX1	0	0	0
TRMT112-PS2	0	0	0
COX10	0	0	0
RTP3	0	0	0
IL6ST	1	0	0
GM29106	0	0	0
PRPS1	0	0	0
ARHGEF3	0	0	0
TMEM175	0	0	0
CPQ	0	0	1
SLC2A4RG-PS	0	0	0
ZFP72	0	0	0
SLC43A3	0	0	0
ZBTB8OS	0	0	0
NSUN4	0	0	0
EFNA2	0	0	0
ATP5L	0	0	0
NEK6	0	0	0
GAL3ST2C	0	0	0

PRKCB	0	0	0
MARK4	0	0	0
MOK	0	0	0
COX11	0	0	0
SPTLC1	0	0	0
DHRS1	0	0	0
PRKAB1	0	0	0
1810062G17RI	0	0	0
AGFG1	0	1	1
ASB14	0	0	0
MRPS7	0	0	0
PRPS2	0	0	0
NID1	0	0	0
UBE2N	0	0	1
CPT1A	0	0	1
ZZEF1	0	1	0
TTC28	0	0	0
IMMP1L	0	0	0
NUDT14	0	0	0
GM2830	0	0	0
BDKRB2	0	0	0
HUS1	0	0	0
ZC3HAV1L	0	0	0
ZFP653	0	0	0
PHACTR2	0	0	0
PLIN4	0	0	0
TIGD3	0	0	0
SPATA5	0	0	1
GM37339	0	0	0
CASP6	0	0	0
ZFP84	0	0	0
R3HDM2	0	0	0
CAPZA1	0	0	0
BRIX1	0	0	0
APRT	0	0	0
CHRM2	1	0	1
RAB31	0	0	0
RNF141	0	0	0
RPRD2	0	0	0
ZFP691	0	0	0
METTL22	0	0	0
ST3GAL4	0	0	0
WDR45	0	0	0
HECTD4	1	0	1
LAMTOR4	0	0	0
FRMD4A	1	0	0
GM6366	0	0	0
PABPC1L	0	0	0
FAM83C	0	0	0
DHX9	0	0	0

CHADL	0	0	0
BOLA1	0	0	0
HRCT1	0	0	0
1190005I06RIK	0	0	0
SLC40A1	0	0	0
INTS5	0	0	0
PLEKHM2	0	0	0
MPP3	0	0	0
MRPL14	0	0	0
MORF4L1	0	0	0
LIX1	0	0	0
PDCD5	0	0	0
AREL1	0	0	0
PLEKHA1	0	1	1
IPO7	0	1	1
PPP1R32	0	0	0
ZC2HC1C	0	0	0
TMEM217	0	0	0
ADIPOR2	0	0	0
RRP1B	0	0	0
ECSCR	0	0	0
TAF13	0	0	0
DBH	0	0	0
NT5C3B	0	0	0
NOD1	0	0	0
KIF1B	0	0	0
KCTD12B	0	0	0
ZMIZ2	0	1	0
THUMPD1	0	0	0
GM10306	0	0	0
MYOZ1	0	0	0
RUNX1	0	0	0
GM340	0	0	0
CAPZB	0	0	0
MAP3K8	0	0	0
UBXN2B	0	0	0
RTCA	0	0	0
HSPB11	0	0	0
GXYLT1	0	0	0
B3GNT3	0	0	0
ITGA9	0	1	0
KITL	1	0	0
PTGS2	0	0	0
THRA	0	0	0
CD209D	0	0	0
RNPS1	0	0	0
MED6	0	0	0
STAT3	0	0	0
ARNTL	0	0	0
PSCA	0	0	0

GM49342	0	0	0
CCDC130	0	0	0
PTPN6	0	0	0
PSMB5	0	0	0
NKTR	1	0	1
DPYD	0	0	0
RRP15	0	0	0
GM10288	0	0	0
E2F2	0	0	0
DUSP27	0	0	0
OLFR49	0	0	0
TRMT6	0	0	0
GABPB1	0	0	0
DCAKD	0	0	0
CARNMT1	0	0	0
P4HB	0	0	0
SUPT16	0	0	0
KLHDC4	0	0	0
SLC2A6	0	0	0
MAP7	0	0	0
KLF6	1	0	1
PDF	0	0	0
GUK1	0	0	0
THBS4	0	0	0
S100A13	0	0	0
L2HGDH	0	0	0
ASB6	0	0	0
JOSD1	0	0	0
SLC25A22	0	0	0
RPS4X	0	0	0
CNNM3	0	0	0
ANK3	0	0	1
FBXW9	0	0	1
OLFR1382	0	0	0
NTS	0	0	0
PTGER4	0	0	0
GM9803	0	0	0
CAMKMT	0	0	1
BCCIP	0	0	0
MBLAC2	0	0	0
CRB1	0	0	0
SLPI	0	0	0
FGD1	1	0	1
KDM3B	0	0	1
EMC4	0	0	0
CYR61	0	0	0
DCHS1	0	0	0
LSM5	0	0	0
GPX4	0	0	1
LRP1	0	0	0

TSTD3	0	0	0
AKAP6	1	0	1
GM5069	0	0	0
CHCHD5	0	0	0
PSMD12	0	0	0
TRMT10A	0	0	0
HP	0	0	0
HIST1H3E	0	0	0
AP3B1	0	0	0
SUB1	0	0	0
CD2AP	0	0	0
H6PD	0	0	0
SLC11A1	0	0	0
GGACT	0	0	0
ANKRD13C	0	0	0
PDHA1	0	0	0
FCHSD2	0	0	0
SDCBP	0	0	0
AIMP1	0	0	0
TMEM74B	0	0	0
POP7	0	0	0
1300017J02RIK	0	0	0
GM18691	0	0	0
PER2	0	0	0
CDH23	0	0	0
FAM13B	0	0	0
LIX1L	0	0	0
MMP3	0	0	0
FN3KRP	0	0	0
F13A1	0	0	0
POLR2M	0	0	0
SMARCA2	0	0	0
RNF14	0	0	0
GM46223	0	0	0
COMMD3	0	0	0
GEMIN2	0	0	0
MTX3	1	1	1
ATP8B1	0	0	0
DDX18	0	0	0
NANS	0	0	0
ASCC2	0	0	1
AP5S1	0	0	0
EVC2	0	0	0
VPS51	0	0	0
INSL6	0	0	0
ARHGEF38	0	0	0
GM47103	0	0	0
RPS6KA1	0	0	0
GM15697	0	0	0
ENSMUSG000C	0	0	0

KLC1	0	1	1
EFNB1	0	0	0
CD3EAP	0	0	0
ARL2	0	0	0
E130311K13RII	0	0	0
TTC7	0	0	0
LAMC2	0	0	0
ZFP330	0	0	0
ABCA5	0	0	0
DHX37	0	0	0
IKZF1	0	0	0
CDC34	0	1	1
PTPRD	0	0	0
PHC3	0	0	0
SFR1	0	0	0
HAPLN3	0	0	0
IRF2BP2	0	0	0
IFT140	0	0	0
MTFP1	0	0	0
TNFRSF19	0	0	0
TMEM132A	0	0	0
CCNT1	0	0	0
DOCK5	0	0	0
RPL5	0	0	0
MYOM3	0	0	0
PPHLN1	0	0	1
1700037C18RI	0	0	0
DMAC1	0	0	0
TMEM156	0	0	0
TNPO2	0	1	0
GORASP2	0	0	0
PCNP	0	0	0
AMPH	0	0	0
PCYOX1	0	0	0
IDH1	0	0	0
GM11808	0	0	0
RPS6KA5	0	0	0
MRPL41	0	0	0
MPP5	0	0	0
LYRM2	0	0	0
SNRNP25	0	0	0
EDA2R	0	0	0
KIF1BP	0	0	0
GCNT2	0	0	0
TUBA8	0	0	0
GM136	0	0	0
TMEM134	0	0	0
TECRL	0	0	0
NOP10	0	0	0
ZFAND4	0	0	0

DDX10	0	0	0
ZFP442	0	0	0
MTERF3	0	0	0
OPN3	0	0	0
TLCD1	1	0	0
NEPRO	0	0	0
LPAR3	0	0	0
ATXN2	1	1	1
UTP15	0	0	0
SEC61G	0	0	0
ACTN4	0	0	0
37316	0	0	0
OSMR	0	0	0
PITPNA	0	0	0
OCIAD1	1	0	0
EPG5	0	0	0
MRPS18A	0	0	0
POLH	0	0	0
ENSMUSG000C	0	0	0
LYPLA2	0	0	0
RALBP1	0	0	0
RNF115	0	0	0
CFDP1	0	0	0
TLR1	0	0	0
ERGIC2	0	0	0
ADRA2A	0	0	0
MGAT5	1	0	1
DOCK10	0	0	0
PPM1G	0	0	0
SLC35D1	0	0	0
PTCD2	0	0	0
IL1R1	0	0	0
TMEM158	0	0	0
DCDC2B	0	0	0
EIF2S3Y	0	1	0
ASB16	0	0	0
RSL1	0	0	0
HTT	0	1	0
HSP90AA1	0	0	0
DGAT2	0	0	0
SLC9A7	0	0	0
GDF9	0	0	0
PSMD3	1	0	1
UGT1A7C	0	0	0
NR1D1	0	0	0
LMO2	0	0	0
TBC1D9B	0	0	0
RGS5	0	0	0
TMOD1	0	0	1
AZIN1	0	0	0

BC052040	0	0	0
MEIS2	0	0	0
CD244A	0	0	0
ZFP973	0	0	0
GM9797	0	0	0
ZFP526	0	0	1
SENP2	0	0	0
UBE4A	0	0	0
CDH1	0	0	0
ZFP982	0	0	0
PRICKLE1	0	0	0
CCDC124	0	0	0
NOC4L	0	0	0
STAU2	0	0	0
GAL3ST4	0	0	0
HOOK3	0	0	0
EIF3M	0	0	0
POMK	0	0	0
ARG1	0	0	0
GM42927	0	0	0
SLCO3A1	0	0	0
FSD2	0	0	0
CITED2	1	0	0
CEBPA	0	0	0
TOB2	0	0	0
KIF16B	0	0	0
KIF13B	0	0	0
GSTA3	0	0	0
SLC6A17	0	0	0
FBXO32	0	0	0
SPR-PS1	0	0	0
RAB42	0	0	0
JAGN1	1	0	0
PIK3CD	0	0	0
ORAI3	0	0	0
2610008E11RII	0	0	0
4933424G06RI	0	0	0
MARK3	0	1	1
MYL1	0	0	0
GRIN3B	0	0	0
TSC22D3	0	0	0
AMDHD2	0	0	0
GM11868	0	0	0
TNS2	1	1	1
ZBP1	0	0	0
ARFIP2	0	0	0
STX8	0	0	0
TIMP2	0	0	0
TOP3A	0	0	0
PCDH12	0	0	0

STAR	0	0	0
USP46	0	0	0
SOX7	0	0	0
SLFN3	0	0	0
ACYP2	0	0	0
NR2C2AP	0	0	0
MPP6	0	0	0
LATS1	0	0	0
CLP1	0	0	0
EHBP1L1	0	0	0
IDS	0	0	0
TCF25	0	0	1
TIMM13	0	0	0
GM11951	0	0	0
MAGI1	0	0	0
PRDM16	0	0	0
ZFP532	0	1	1
2210407C18RI	0	0	0
BIVM	0	0	0
CEP19	0	0	0
PACRG	0	0	0
JAML	0	0	0
SLC4A7	0	0	1
DBT	0	0	0
CNOT4	0	0	0
GM45874	0	0	0
1600012H06RI	0	0	0
NPRL2	0	0	0
ZFP768	0	0	0
TBC1D31	0	0	0
FAM71E1	0	0	1
EWSR1	0	0	0
IL21R	0	0	0
TRAF6	0	0	0
RTL6	0	0	0
2410002F23RII	1	0	0
MAGI3	0	0	0
D17H6S53E	0	0	0
ITPKC	0	0	0
COPS6	0	0	0
ATF7IP	0	1	1
SAA3	0	0	0
CCDC62	0	0	1
TAF4	0	0	0
CNR2	0	0	0
BECN1	0	0	0
LLPH-PS2	0	0	0
ATF4	0	0	0
ZFP53	0	0	0
ADRA1A	0	0	0

KCNIP2	0	0	0
PICALM	0	1	1
THEMIS2	0	0	0
S100A10	1	0	0
GNGT2	0	0	0
SNX21	0	0	0
NUDCD3	0	0	0
NUDT13	0	0	0
GAA	0	0	0
TTC23	0	0	0
ZFP956	0	0	0
UNG	0	0	0
RAI14	0	0	0
GM21897	0	0	0
SEC11C	0	0	0
ADRB1	1	0	0
ZSWIM7	0	0	0
TMEM219	0	0	0
KDELC2	0	0	1
SNRNP70	0	0	0
NACC2	0	0	0
MSANTD1	0	0	0
RAPGEF2	0	0	0
ULK1	0	0	0
CCDC115	0	0	0
PNPT1	0	0	0
PRKAR2A	0	0	0
TUBB2B	0	0	0
GM7346	0	0	0
RPRML	0	0	0
NFIB	0	0	0
TDG	0	0	0
RUSC2	0	1	0
AP4B1	0	0	0
DSC2	0	0	0
GNAI2	0	0	0
PXDN	0	1	0
GM28437	0	0	0
SQLE	0	0	0
REEP3	0	0	0
PNMAL2	0	0	0
PHLPP1	0	0	1
MGLL	0	0	0
ZFP668	0	0	0
RGMB	0	0	0
ERO1L	0	0	0
C1QTNF12	0	0	0
SKAP1	0	0	0
ATP11A	1	1	1
PLPPR2	0	0	0

HCLS1	0	0	1
TTC37	0	0	0
ZEB2	0	0	0
SCFD1	0	0	0
PDCL3	0	0	1
CPEB1	0	0	0
DHX40	0	0	0
CRTAM	0	0	0
CDKL1	0	0	0
FBXO47	0	0	0
WISP1	0	0	0
SMARCE1	0	0	0
DOK2	0	0	0
AR	0	0	0
RNF113A2	0	0	0
SMG1	0	0	0
UQCC3	0	0	0
GM5483	0	0	0
CST7	0	0	0
SSB	1	0	0
CHPF2	0	0	0
TEDC2	0	0	0
PHKA1	0	0	0
ABCF1	0	0	0
APMAP	0	0	0
SMAD1	0	0	0
ZADH2	0	0	0
PNO1	0	0	0
EPS15L1	0	0	0
EZR	0	0	0
ELL2	0	0	0
SLFN5	0	0	0
TMEM52	0	0	0
NUDT15	0	0	0
VCAM1	0	0	0
PHF19	0	0	0
COL7A1	0	0	0
MLLT6	1	0	0
JTB	0	0	0
TAF9B	0	0	0
MRPL30	0	0	0
PEX16	0	0	0
YTHDF1	0	0	0
GNAI3	0	0	0
TRMT44	0	0	0
RABGAP1L	0	0	0
GPT2	0	0	0
TBCCD1	0	0	0
CCDC82	0	0	0
CN725425	0	0	0

GM45808	0	0	0
CYTL1	0	0	0
SYTL4	0	0	0
TENT2	0	0	0
CYBA	0	0	0
SPPL2B	0	0	0
FBXL18	0	0	0
LYZ2	0	0	0
ANKRD24	0	0	0
FICD	0	0	0
LRRC28	0	0	0
PHF20L1	0	1	1
CDC42SE1	0	0	0
PGPEP1	0	0	0
PPP1R1C	0	0	0
DTD2	0	0	0
VPS36	0	0	0
CRHR2	0	0	0
PIAS4	0	0	0
RGS4	0	0	0
CTLA2A	0	0	0
GM18706	0	0	0
ZCCHC2	0	0	0
DCAF7	0	0	0
FGD3	0	0	0
CHIL1	0	0	0
ARMC4	0	0	0
HCN2	0	0	0
UBA6	0	0	0
ARF5	0	0	0
GM10108	0	0	0
STON2	0	0	0
WWC2	0	0	0
KDM4A	0	0	0
IFT20	1	0	1
ZFP398	0	0	0
MICALL1	1	0	1
PAF1	0	1	0
EFNB3	0	0	0
COA7	0	0	0
POLR2E	0	0	0
RNF144B	0	0	1
NMNAT1	0	0	0
SLC25A28	0	0	0
SSRP1	0	0	0
9930111J21RIK	0	0	0
AK3	0	0	0
MS4A4C	0	0	0
1700056E22RII	0	0	0
RIPK3	0	0	0

TRABD2B	0	0	1
SPTBN5	0	0	0
EHBP1	0	0	0
ARRDC3	1	0	0
CENPN	0	0	0
1700073E17RII	0	0	0
EHHADH	0	0	0
CNBD2	0	0	1
PABPC1	0	0	0
SF3B5	0	0	0
MFSD8	0	0	0
GM3099	0	0	0
GM44245	0	0	0
GPR171	0	0	0
WDHD1	0	0	0
CLEC18A	0	0	0
DDX39B	1	1	1
PTPRJ	0	0	0
ATG13	0	0	0
CRB3	0	0	0
CD55	0	0	0
IQGAP1	0	0	0
NAIP2	0	0	0
PHRF1	0	0	0
HMGB3	0	0	0
DNAAF5	0	0	0
WDR35	0	0	0
GCNT1	0	0	0
OGDH	1	1	1
PCCA	0	0	1
ERGIC3	0	0	0
BCL2A1A	0	0	0
GM8407	0	0	0
RPS6KA3	0	0	0
GIN1	0	0	0
ZFP326	0	0	0
RBMS2	0	0	0
ZFP606	0	0	0
KANK2	0	0	0
CDADC1	0	0	0
EID2B	0	0	0
SLC15A3	0	0	0
SPICE1	0	0	0
XCR1	0	0	0
MAP6	0	0	0
ACD	0	0	0
GP5	0	0	0
TTI1	0	0	0
THEM4	0	0	0
IDH3A	0	0	1

URI1	0	0	0
PRAM1	0	0	0
DNAH10	0	0	0
ULK2	0	0	0
CHCHD6	0	0	0
RBFOX1	0	0	0
CC2D2A	0	0	0
GMEB1	0	0	0
MYPN	0	0	0
PHF21A	0	0	1
JPH2	0	0	0
ZFP414	0	0	0
AGO1	0	0	0
PTGES3	1	0	1
SETD3	0	0	0
FAM71F2	0	0	0
ASB13	0	0	0
BCL2L15	0	0	0
PTPN13	0	0	1
SYNRG	0	0	0
ITGAX	0	0	0
1700066B19RI	0	0	0
TXLNG	0	0	0
A730071L15RII	0	0	0
HAGHL	0	0	0
D5ERTD579E	0	0	0
RET	0	0	0
GSTO1	0	0	0
CYS1	0	0	0
CPEB4	1	1	1
HSD17B14	0	0	0
EIF4EBP3	0	0	0
TTC9	0	0	1
ATP6V1G1	0	0	0
PM20D1	0	0	0
TMEM230	0	0	0
FAH	0	0	0
HEATR5A	0	0	0
DNAJB13	0	0	0
PTER	0	0	1
NUDT12	0	0	0
RHBDD3	0	0	0
DNTT	0	0	0
C3AR1	0	0	0
CD300C2	0	0	0
ACACB	0	0	1
SIRT4	0	0	0
FZD9	0	0	0
TMTC2	0	0	0
IQCK	0	0	0

UHRF1BP1L	0	1	0
HMGCS2	0	0	0
4931423N10RI	0	0	1
DCTN2	0	0	0
CISD3	0	1	0
SERPINH1	0	0	0
ACTR8	0	0	0
DENND6B	0	0	0
LENG8	1	1	0
XPC	0	0	0
TRIM72	0	0	1
GNL2	0	0	0
WAS	0	0	0
EPS15	0	0	0
FGF18	0	0	0
STIM1	0	0	0
AEBP2	0	0	1
RBMX	0	0	0
FEN1	0	0	0
RAB17	0	0	0
MPRIIP	0	1	1
MVB12B	0	0	0
TAF1D	0	0	1
CDT1	0	0	0
DTD1	0	0	0
PELP1	0	0	0
H2-DMB2	0	0	0
NECTIN4	0	0	0
MCUB	0	0	0
VIT	0	0	0
TMUB1	0	0	0
ELMOD2	0	0	0
FDXR	0	0	0
PDLIM5	0	0	0
PLEKHA2	0	0	0
1700037H04RI	0	0	0
LAMB1	0	0	0
EIF3J2	0	0	0
CDH20	0	0	1
GM10639	0	0	0
TPPP2	0	0	0
KDM5A	0	0	1
CEP120	0	0	0
PHF23	0	0	0
SLC25A24	0	0	0
RAB11FIP3	0	0	0
MOB1B	0	0	1
ATP6V1C1	0	0	0
PSMA1	0	0	0
SYNE2	0	0	0

INO80C	0	0	0
NCKAP1L	0	0	1
RAB40B	0	0	0
G6PDX	0	0	0
PHKG1	0	0	0
AZIN2	0	0	0
GM9830	0	0	0
TTN	0	0	0
TMEM8B	0	0	0
COPB1	0	0	0
GRSF1	0	0	0
FAM187B	0	0	0
FTSJ3	0	0	0
CLEC7A	0	0	0
FBXO10	0	0	0
METTL9	0	0	0
ACSL6	0	0	0
SCAMP5	0	0	0
NR3C1	0	0	0
CEBPZ	0	0	0
MCEMP1	0	0	0
GM28453	0	0	0
THAP3	0	0	0
DNAJB9	0	0	0
TMEM136	0	0	0
ADAM1A	0	0	0
5430427O19RI	0	0	0
AURKAIP1	0	0	0
GSTM2	0	0	0
ZSCAN20	0	0	0
CD300A	0	0	0
2410015M20R	0	0	0
CEMIP2	0	0	1
SDHAF4	0	0	0
NOL10	0	0	0
NABP1	0	0	0
RARB	0	0	0
PRRC2B	0	1	1
PRSS53	0	0	0
RRH	0	0	0
SETD1A	0	1	1
FGF11	0	0	0
PTGFR	0	0	0
SMAD9	0	0	0
FLOT1	0	0	0
FLT3	0	0	0
FGF9	1	0	0
ARHGEF11	1	0	0
IL6	0	0	0
INSR	0	0	0

MTRF1	0	0	0
ZFP943	0	0	0
LSM10	0	0	0
FRMD8	0	0	0
RFFL	0	0	0
ATPIF1	0	0	0
IRF8	0	0	0
UBTD2	0	0	0
NCAPD3	0	0	0
ZFP174	0	0	0
OFD1	0	0	0
CHAC1	1	0	0
EMG1	0	0	0
ZFP808	0	0	0
BCL10	0	0	0
MTFR2	0	0	0
PDP1	0	0	0
CAR14	0	0	0
SOX15	0	0	0
SYNGR2	0	0	0
CASC4	0	0	0
ARHGAP9	0	0	0
TESMIN	0	0	0
NRF1	0	0	1
GM4956	0	0	0
RDX	0	0	1
NDUFA7	0	0	0
PTPN18	0	0	0
UPF1	0	0	0
ANAPC10	0	0	1
ZFP449	0	0	0
MALT1	0	1	0
BC005624	0	0	0
NOV	0	0	0
COA3	0	0	0
ACSS2	0	0	0
OSTM1	0	0	0
ANKRD9	0	0	0
CDC16	0	1	0
PSMA4	1	0	0
DYNLT1B	0	0	0
CSNK1G2	0	1	0
UBE2I	0	0	0
IFITM6	0	0	0
DUSP22	0	0	0
MLX	0	0	0
CXXC5	1	0	1
RNF19A	0	0	0
HCST	0	0	0
GM4631	0	0	0

RNF220	0	0	0
SLC38A7	0	0	0
NAA50	1	0	0
MAFB	0	0	0
FAM193B	0	0	0
GRIK3	0	0	0
EIF4A3	0	0	0
MAP3K7	0	0	1
RABGAP1	0	0	1
MRGPRH	0	0	0
KANSL2	0	0	0
MCM3AP	0	0	0
CXCL3	0	0	0
ARHGAP17	0	0	0
H2AFY	0	0	0
ABCC5	0	0	0
VPS29	0	0	0
1810009A15RI	0	0	0
DDX28	0	0	0
MAST2	0	0	0
NDNF	0	0	0
SUMO1	0	0	0
TCIM	0	0	0
VRK1	0	0	0
FAM149B	0	0	0
LPCAT2	0	0	0
DLG1	0	0	1
MRGPRA2B	0	0	0
CDV3	0	0	0
ACY3	0	0	0
GM6969	0	0	0
3830406C13RI	0	0	0
SLCO2A1	0	0	0
CCL3	0	0	0
FSTL4	0	0	1
AKR1B8	0	0	0
UTP20	0	0	0
CDKN2D	0	0	0
SERPINB6B	0	0	0
CC2D1B	0	0	0
SPOUT1	0	0	0
FAM221A	0	0	0
HYAL1	0	0	0
CAPN7	0	0	0
AMBRA1	0	0	1
CDK11B	0	0	0
HECW1	0	0	0
RPA3	0	0	0
PRDM5	0	0	0
LIMD2	0	0	0

SVIP	0	0	0
MPC1	0	0	0
SYAP1	0	0	0
SERPINB9	0	0	0
SYT12	0	0	0
KLHL32	0	0	0
RNF113A1	0	0	0
CNGB3	0	0	0
CCR7	0	0	0
SNAI2	0	0	0
BBS4	0	0	0
TRPC4AP	0	0	0
TSEN34	0	0	0
INCA1	0	0	0
IPPK	0	0	0
MTMR11	0	0	0
OLFR558	0	0	0
TRIM33	0	0	0
MRPL44	0	0	0
TMED9	0	0	0
ATP13A3	0	0	0
TOLLIP	0	0	0
TUSC2	0	0	0
GM12691	0	0	0
ARSB	0	0	0
RBX1	0	0	1
CNTF	0	0	0
CCPG1	0	0	0
MRPL54	0	0	0
MTA1	0	0	0
SPINT1	0	0	0
GCHFR	0	0	0
DSTN	0	0	0
GM3646	0	0	0
ANGPTL2	0	0	0
PPP1R18	0	0	0
GNB1	0	0	0
NIPSNAP3B	0	0	0
PIK3CG	0	0	0
VSTM2L	0	0	0
NUAK1	0	0	0
SFT2D3	0	0	0
S1PR5	0	0	0
DEPTOR	0	0	0
KAZALD1	0	0	0
SERINC2	0	0	0
TNFRSF13B	0	0	0
STFA1	0	0	0
H2-T24	0	0	0
ATRX	0	0	0

CTXN1	0	0	0
MTURN	0	0	0
GNG7	0	0	0
ANAPC11	0	0	0
QRICH1	0	0	0
EPS8L1	0	0	0
IRGM2	0	0	0
ARL5A	0	0	0
TRAK1	0	0	1
GM14822	0	0	0
TBX6	0	0	0
MAPK6	0	0	0
NFYA	0	0	0
SSMEM1	0	0	0
KDM4D	0	0	0
MAIP1	0	0	0
NARS	0	0	0
B4GALT4	0	0	0
HEY1	0	0	0
ZFP791	0	0	0
VMN2R57	0	0	0
KCNG2	0	0	0
WDR73	0	0	0
GMIP	0	0	0
MANBA	0	0	0
TCP1	0	0	1
METTLL11B	0	0	0
TMEM29	0	0	0
WRAP53	0	0	0
ZFP389	0	0	0
ACTR1B	0	0	0
IFI203-PS	0	0	0
AQP8	0	0	0
CSRP2	1	0	1
PARP12	0	0	0
NCAPG2	0	0	0
ANTXR1	0	0	0
PLXNB3	0	1	0
TEN1	0	0	0
SH3PXD2A	0	0	0
CHRNA4	0	0	0
SPG7	0	0	0
GAL3ST2B	0	0	0
MAP1LC3B	0	0	0
TMEM106B	0	0	0
TBC1D20	0	0	0
TOR1AIP1	0	0	0
ADAM12	0	0	0
GM13736	0	0	0
AUP1	0	1	1

TMEM126A	0	0	0
GRIN2C	0	0	0
DCAF12L1	0	0	0
PGP	0	0	0
NIPSNAP2	0	0	0
LGI1	0	0	0
LMBR1	0	0	0
HDAC2	0	0	0
ZDHHC4	0	0	0
SEC14L4	0	0	0
GM8213	0	0	0
VKORC1L1	0	0	0
UEVLD	0	0	0
NLRP10	0	0	0
FRMD5	0	0	0
PLA2G2D	0	0	0
CREB3L4	0	0	0
FAM167A	0	0	1
SWI5	0	0	0
DPYSL3	0	0	0
ITGA10	0	0	0
FMC1	0	0	1
PGAP1	0	0	0
ZKSCAN6	0	0	0
WDFY3	0	0	0
NUCB1	0	0	0
NUTM1	0	0	0
SERTAD3	0	0	0
PEX13	0	0	0
SPDEF	0	0	0
RUNX1T1	0	0	0
DDX21	0	0	0
PCNX2	0	0	0
LGALS1	1	1	1
NOL7	0	0	0
MAPK8IP2	0	0	0
ACTA1	0	0	0
SSR2	0	0	0
ZFP873	0	0	0
PTRHD1	0	0	0
CAR7	0	0	0
2510009E07RII	0	0	0
REG4	0	0	0
SRCAP	0	0	1
SLC31A2	0	1	0
DDHD2	0	0	0
GM17853	0	0	0
AHCTF1	0	0	0
DNASE1	0	0	0
RFX1	0	0	1

PI4KB	0	0	0
CERS4	1	1	1
CTTNBP2NL	0	0	0
PLAUR	0	0	0
MEX3C	0	0	0
EPB41L4A	0	0	0
ATAT1	0	0	0
MLH3	0	0	0
GSN	1	0	0
SGSM2	0	0	0
PRDM4	0	0	0
NEURL1A	0	0	0
IFRD1	0	0	0
GRM1	0	0	0
SRSF9	0	0	0
NOP9	0	0	0
AGER	0	0	0
NPC1	0	0	0
ARHGAP40	0	0	0
STRN4	0	0	0
ARHGAP23	0	1	0
GM45888	0	0	0
RAB11FIP5	0	0	0
P2RY14	0	0	0
GORASP1	0	0	0
RHOV	0	0	0
PHF24	0	0	0
YOD1	0	0	0
GM17555	0	0	0
GRTP1	0	0	0
SDF2	0	0	0
MED16	0	0	0
1110038F14RII	0	0	0
CYP2U1	0	0	0
NECAP1	0	0	0
CCL17	0	0	0
MAPRE3	0	0	1
ENTPD6	0	0	0
ID2	0	0	0
CPOX	0	0	0
MED27	0	0	1
VAPA	0	0	0
SLC25A36	0	0	0
ANKZF1	0	0	0
GM18782	0	0	0
FBXO38	0	0	0
PIK3C2A	0	0	0
PI16	0	0	0
RASGRP3	0	0	0
MYH7	0	0	0

SEP9	0	0	0
SLC39A3	0	0	0
KCNJ6	0	0	0
PRX	0	0	0
MCCC2	0	0	0
ZFP870	0	0	0
ZBTB43	0	0	0
OLR1	0	0	0
SRP54C	0	0	0
FOPNL	0	0	0
CCDC69	0	0	0
GLYR1	0	0	0
CARD10	0	0	0
CDNF	0	0	0
ADAMTS1	0	0	0
SMCO1	0	0	0
LRRFIP2	0	1	1
DPF2	0	0	0
MYL9	1	0	0
ORMDL3	0	0	0
GM10033	0	0	0
DCAF15	0	0	0
TMEM19	0	0	0
ALDH3B1	0	0	0
LRRC39	0	0	1
GRHL2	0	0	0
DBNDD1	0	0	0
PPFIBP2	0	0	1
MKLN1	0	0	1
TUBB3	0	0	0
NDUFAF2	0	0	0
ZFR2	0	0	0
GIMAP5	0	0	0
ALG8	0	0	0
CYB5D1	0	0	0
ERBB4	0	0	0
ASNA1	0	0	0
ZMAT1	0	0	0
TDRKH	0	0	0
MRI1	0	0	0
NSMCE3	0	0	0
NDUFA11	1	0	0
PFKFB1	0	0	0
SAP18B	0	0	0
GM1966	0	0	0
CACNA2D2	0	0	0
RAD51D	0	0	0
CDK12	0	1	1
SORT1	0	0	0
OTUD7B	0	0	0

HSP90B1	0	0	0
GIPC2	0	0	0
LPAR1	0	0	0
4930451G09RI	0	0	0
SLC35F6	0	0	0
NBN	0	0	0
CAAA0114733	0	0	0
IPO4	0	0	0
ARAP3	0	0	0
CSRNP1	0	0	0
PPP2R5E	0	0	0
FAM209	0	0	0
MAMDC2	0	0	0
STFA2L1	0	0	0
CCDC77	0	0	0
PRDM10	0	0	0
WDR41	0	0	0
ZC3H12D	0	0	0
LMAN2	0	0	0
1700088E04RII	0	0	0
CFAP20	0	0	0
IFNLR1	0	0	0
CHKB	0	0	0
CATSPER2	0	0	0
FAM19A5	0	0	0
CCDC71	0	0	0
XBP1	0	0	0
GM15280	0	0	0
PCIF1	0	0	0
ZBTB22	0	0	0
GM49396	0	0	0
GTDC1	0	0	0
ZFAND1	0	0	0
KRTCAP2	0	0	0
GM10052	0	0	0
MFSD1	0	0	0
A130006I12RII	0	0	0
KCNK13	0	0	0
CXCR4	0	0	0
NSMAF	0	0	0
SLC25A10	0	0	0
GM37240	0	0	0
MMP19	0	0	0
MZB1	0	0	0
ARRDC4	0	0	0
SLC11A2	0	0	0
NFU1	0	0	0
SMOC2	0	0	0
GIMAP4	0	0	0
ERRFI1	0	0	0

PPM1F	0	0	0
GAREM1	0	0	0
UBR7	0	0	0
CACNA1C	0	0	0
CES1D	0	0	0
SCUBE1	0	0	0
PSMD6	0	0	0
UBB	0	1	0
FGFR1OP2	0	0	1
SHLD2	0	0	0
CYB5R4	0	0	0
FAM84B	0	0	0
GM3636	0	0	0
TPBG	0	0	0
ZFP65	0	0	0
IGIP	0	0	0
RFTN2	0	0	0
GM10382	0	1	0
RASSF1	0	0	0
TMBIM4	0	0	0
MTHFSL	0	0	0
BRMS1L	0	0	0
POLR2A	0	0	0
NRBP2	0	0	0
TNF	0	0	0
WASHC3	0	0	1
LOXL4	0	0	0
PRSS46	0	0	0
YWHAZ	0	0	0
DHCR7	1	1	0
PCED1A	0	0	0
SHROOM3	1	1	1
PATE4	0	0	0
BID	0	0	0
INAVA	0	0	0
TCTN3	0	0	0
RANBP10	0	0	0
CREB3L1	0	0	0
ZFP39	0	0	0
MVB12A	0	0	0
DDT	0	0	0
1700030K09RI	0	0	0
GM43540	0	0	0
KIN	0	0	0
FNDC9	0	0	0
HBS1L	0	0	0
TTC39A	0	0	0
ARMC6	0	0	0
TIMM50	0	0	0
COMMD1	0	0	0

THTPA	0	0	0
BUD23	0	0	0
SUCLG2	0	0	0
SLC29A2	0	0	0
LRAT	0	0	0
CD36	0	0	0
ABHD16A	0	1	0
TMEM199	0	0	0
CTU2	0	0	0
LPAR2	0	0	0
TNFRSF11B	0	0	0
CHRNA2	0	0	0
CD9	0	0	0
ZFP969	0	0	0
NAT1	0	0	0
SMIM4	0	0	0
CNOT6L	0	0	0
DHPS	0	0	0
SLC22A13B-PS	0	0	0
RRAGA	0	0	0
COL4A1	0	0	0
PRR7	0	0	0
IL18	0	0	0
EXOSC1	0	0	0
ACOT1	0	0	0
PHOSPHO1	0	0	1
STRBP	0	0	0
ADAM17	0	0	0
APC-PS1	0	0	0
NYAP1	0	0	0
SFXN1	0	0	0
BIN2	0	0	0
MORC4	0	0	0
CBX2	1	0	0
SIGMAR1	0	0	0
UTP23	0	0	0
CENPX	0	0	0
TRAF3	0	0	0
PIWIL2	0	0	0
SEC61B	0	0	0
TMEM160	0	0	0
ACADM	0	0	0
ZFP931	0	0	0
CD47	0	0	0
ADAMTS15	0	0	0
GM10420	0	0	0
DIO3	0	0	0
FCGR4	0	0	1
GM13071	0	0	0
STX5A	1	0	0

ARL11	0	0	0
SCN5A	0	0	0
ITGB1BP1	0	0	0
SLC25A5	0	0	0
C8G	0	0	0
ZBTB8A	0	0	0
MRPL46	0	0	0
KRT18	0	0	0
ZFP110	0	0	0
NDUFA4	0	0	0
RNF40	0	0	0
IFT43	0	0	1
DNAJC12	0	0	0
FOXJ2	0	0	1
FBXO25	0	0	0
ARSK	0	0	0
SRPK3	0	1	0
SNRNP27	0	0	0
TWISTNB	1	0	0
PRKAB2	1	1	1
FGF6	0	0	0
SIK2	0	0	0
ARL3	0	0	0
TBC1D19	0	0	0
GAR1	0	0	0
GAD1-PS	0	0	0
TCP11L2	0	0	0
MRPL47	0	0	0
FAHD1	0	0	0
ZBTB18	1	0	0
FGF23	0	0	0
CLCNKB	0	0	0
CPNE9	0	0	0
1110004F10RII	0	0	0
INPP5E	0	0	0
COPB2	0	0	0
ZFP113	0	0	0
GPX1	0	0	0
VCAN	0	0	0
A730049H05RI	0	0	1
TMEM171	0	0	0
HIST2H3C1	0	0	0
DUSP23	0	0	0
TMOD4	0	0	0
PRPF40B	0	0	0
HCAR2	0	0	0
NOM1	1	0	0
ABCF2	0	0	0
KLHL42	0	0	0
MCM7	0	0	0

BCS1L	0	0	0
UTS2R	0	0	0
NT5C2	0	0	0
ENPP3	0	0	0
LILRA5	0	0	0
WDR4	0	0	0
CDH2	0	0	0
NUCKS1	1	1	1
GM8707	0	0	0
HTRA2	0	0	0
ARHGAP12	0	0	0
TMEM108	0	0	0
PPRC1	0	0	1
TMEM222	0	0	0
FYN	0	0	0
LIMCH1	0	0	1
NUP93	0	0	0
TBX3	0	0	0
NGRN	0	0	0
GPR137	0	0	0
CLEC3B	0	0	0
SH2D5	0	0	0
GLIPR1	0	0	0
PHF11D	0	0	0
TASP1	0	0	0
FRMPD3	0	0	0
CSN1S1	0	0	0
PHF14	1	0	0
HIST1H3A	0	0	0
PPP1R26	0	0	0
MAP3K5	0	1	1
SH3D19	0	0	0
PRUNE2	0	0	0
MGME1	0	0	0
TTC39C	0	0	1
ZFP318	0	0	1
GIN54	0	0	0
GM13868	0	0	0
HEXA	0	0	0
ARHGAP24	0	0	0
LIG1	0	0	0
TCF4	0	1	0
CLINT1	0	1	1
MRPL1	0	0	0
GSDMA	0	0	0
DRAP1	0	0	0
GPRASP2	0	0	0
DIS3L2	0	0	0
SPTBN1	0	0	0
SCN10A	0	0	0

TAMM41	0	0	0
ISCU	0	0	0
USP48	1	1	0
GM15010	0	0	0
PCDHGA12	0	0	0
KHDRBS3	0	0	0
IL2RA	0	0	0
VPS26B	0	0	0
PLD6	0	0	0
SH2B2	0	0	0
STK24	0	0	0
BCL2L13	1	0	0
COQ9	0	0	0
IRF2BPL	0	0	0
FIGNL1	0	0	0
EIF2B5	0	0	0
CACUL1	0	0	0
NUP43	0	0	0
PTPRG	0	0	1
SIGLECE	0	0	0
SERINC3	0	0	0
PHF21B	0	0	0
AFTPH	0	0	0
CDON	0	0	0
HLTF	0	0	0
NDUFS1	0	0	0
ABCD1	0	1	0
LRP2BP	0	0	0
SIAH1A	0	0	0
WRB	0	0	0
MYL6B	0	0	0
OLFR1033	0	0	0
XXYLT1	0	0	0
ING2	0	0	0
LAS1L	0	0	0
OPRD1	0	0	0
ARMC12	0	0	0
OPN4	0	0	0
KCNE4	0	0	0
ZNRF2	0	0	0
FBXW11	0	0	0
DNPH1	0	0	0
TBXAS1	0	0	0
FOXN3	0	0	0
DNAJB14	0	0	0
ZFAND5	0	0	0
OLFR20	0	0	0
UBL5	1	0	0
EFEMP1	0	0	0
GPATCH3	0	0	0

TAF9	0	0	0
CYP51	0	0	0
ATP6V0C	0	0	0
RNASEH2B	0	0	0
ARHGAP19	0	0	0
MOV10	0	0	0
RFX8	0	0	0
MAP3K9	0	0	0
ZFP763	0	0	0
SNX5	0	0	0
ZSCAN21	0	0	0
ITGAL	0	0	0
HIST1H4F	0	0	0
GM38393	0	0	0
METAP2	0	0	0
PTBP3	0	0	0
SMC5	0	0	0
NHSL1	0	0	1
ADGRB2	0	0	1
GTPBP2	0	1	0
FOS	0	0	0
DIABLO	0	0	0
EMC1	0	0	1
RAE1	0	1	0
BSDC1	1	1	0
TIMM21	0	0	0
MMRN2	0	0	0
GIN51	0	0	0
CDK5RAP3	0	0	0
HARS2	0	0	0
RMND5A	0	0	0
TTC33	0	0	0
DCP2	0	0	1
SEN6	0	0	1
GM3642	0	0	0
HIST1H2AE	0	0	0
WRNIP1	0	0	0
TRIM67	0	0	0
GM5373	0	0	0
KCTD11	0	0	0
FLT3L	0	0	0
GPRC5C	0	0	0
BBS7	0	0	0
TTC17	0	0	0
BSG	0	1	1
BRD1	0	0	0
EPB41	0	0	0
FPR1	0	0	0
NAGLU	0	0	0
RPS18	0	0	0

PSMG2	0	0	0
GM14584	0	0	0
SLC22A5	0	0	0
F10	0	0	0
ALG6	0	0	0
OSM	0	0	0
OLFR1392	0	0	0
MRPL27	0	0	0
BC053393	0	0	0
FAM192A	0	0	0
GM14567	0	0	0
SPINK5	0	0	0
BAZ1B	1	0	1
PLTP	0	0	0
ARF1	0	0	0
GM17132	0	0	0
JADE1	0	0	0
CARHSP1	0	0	0
ARL13B	0	0	0
ITGB3	1	0	0
SKP1A	0	0	0
NXT1	0	0	0
DDX24	0	0	0
SESN2	0	0	0
RAPGEFL1	0	0	0
GM960	0	0	0
ZC3H4	0	0	0
FIS1	0	0	0
CAPN3	0	0	0
CALCOCO1	0	0	0
F7	0	0	0
TNKS1BP1	0	0	0
TIMM29	1	0	0
CCR10	0	0	0
PUSL1	0	0	0
OLFR1252	0	0	0
FEM1C	0	0	0
EIF2AK1	0	0	1
PLCG1	0	0	0
ZFP758	0	0	0
TTLL12	0	0	0
TULP4	1	0	0
EPN2	0	0	0
EXOC1	0	0	0
PRKAA1	0	0	1
ETD	0	0	0
DNAH9	0	0	0
RNF139	0	1	0
ARRDC1	0	0	0
MTF1	0	0	0

SPATC1	0	0	0
TMEM202	0	0	0
TBL2	0	0	0
MYBBP1A	0	0	1
EGF	0	0	0
CRTAC1	0	0	0
GM13889	0	0	0
AMMECR1	0	0	0
C730034F03RII	0	0	0
GSTO2	0	0	0
GM45665	0	0	0
CHAC2	0	0	0
CRYAB	1	1	1
PCDHGA5	0	0	0
ZFP273	0	0	0
HMG20A	0	0	1
SLFN14	0	0	0
GAMT	0	0	0
KLRD1	0	0	0
TRPM7	0	0	0
CASD1	0	0	0
GM10780	0	0	0
RITA1	0	0	0
ANO1	0	0	0
KRI1	0	0	0
DNALI1	0	0	0
MARCKSL1	0	1	0
NNAT	0	0	0
WFDC1	0	0	0
TBX5	1	0	0
SLCO4A1	0	0	0
PKD1	0	0	0
LYRM1	0	0	0
SLU7	0	0	0
ZFP169	0	0	0
GMDS	0	0	0
POLR3GL	0	0	0
CXCL2	0	0	0
PDE2A	0	0	0
GM20498	0	0	0
HOMEZ	0	0	0
TACC3	0	0	0
TMEM30A	0	0	0
ZIK1	0	0	0
PHOSPHO2	0	0	1
SLC46A2	0	0	0
BTC	0	0	0
ALKBH1	0	0	0
UBAP2L	0	0	0
MRPL10	0	0	0

ISPD	0	0	0
EGLN1	0	0	0
1700028J19RIk	0	0	0
RGS16	0	0	0
EPN1	1	1	0
0610040J01RIk	0	0	0
CEBPD	1	0	0
GM6012	0	0	0
RTL3	0	0	0
P3H4	0	0	0
TCIRG1	0	0	0
AP1G1	0	0	0
FAM110B	0	0	1
CHERP	0	0	0
DUSP2	0	0	0
GM11398	0	0	0
GM48443	0	0	0
MIF	0	0	0
OLFR1034	0	0	0
ZFP276	0	0	0
ATP6V1D	0	0	0
TNFSF13B	0	0	0
ZFP189	0	0	0
RANBP3	0	0	1
MMP11	0	0	0
ARID1A	0	0	0
DFFB	0	0	0
1810013L24RII	1	1	0
RAB10	0	0	0
SDE2	0	0	0
2310030G06RI	0	0	0
RHOG	0	0	0
BET1	0	0	0
SEC13	0	0	0
ABHD14B	0	0	0
GM9785	0	0	0
CHAF1B	0	0	0
CCDC106	0	0	0
APC2	0	0	1
HEYL	0	0	0
TNS1	0	0	0
DYNC2LI1	0	0	0
DHX8	0	0	0
PELI2	0	0	0
MARS	0	0	0
ROR1	0	0	1
BAG5	0	0	0
AATK	0	0	0
KCNC1	0	0	0
KCTD10	0	0	0

RPRD1A	0	0	0
FAM193A	0	1	1
TGTP2	0	0	0
LURAP1	0	0	0
INMT	0	0	0
EDN1	1	0	0
TPRA1	0	0	0
HSD17B1	0	0	0
GKAP1	0	0	0
TRMT1	0	1	0
KIDINS220	1	1	1
AQP4	0	0	0
MYLK	0	0	0
TSN	0	0	0
AARS	1	1	1
GBP7	1	0	0
RBBP8	0	0	0
YIPF5	0	0	0
BOLA3	0	0	0
GM9817	0	0	0
OST4	0	0	0
AP1S1	0	0	0
ALDH7A1	0	0	0
HPS1	0	0	0
MICU1	0	1	0
APTX	0	0	0
DOK1	0	0	0
TPP2	0	0	0
DENND4B	0	0	0
AEBP1	0	0	0
GM14048	0	0	0
KY	0	0	0
E2F6	0	0	0
UTP18	0	0	0
PPA1	0	1	0
GM9602	0	0	0
FAM133B	0	0	0
LTBP1	0	1	1
UBE2Q1	0	0	0
NUP160	0	0	0
TTC16	0	0	0
MTRF1L	0	0	0
GM12751	0	0	0
PYCR2	0	0	0
TCAP	0	0	0
KLRA2	0	0	0
GM11212	0	0	0
GSTT1	0	0	0
ELF2	0	0	0
PLRG1	0	0	0

TLL2	0	0	0
ASRGL1	0	0	0
GM15443	0	0	0
UQCRH	0	0	0
ELL	0	0	1
P2RY10	0	0	0
ANGPTL4	0	0	0
GNPTAB	0	1	0
HYAL3	0	0	0
WASF3	0	0	0
NLRP4C	0	0	0
TRAF3IP3	0	0	0
ACOD1	0	0	0
ZFP948	0	0	0
RHOBTB2	0	0	0
SLC9A1	1	1	0
NCALD	0	0	0
RFC4	0	0	0
SUSD3	0	0	0
PFDN4	0	0	0
DGKQ	0	0	0
CD200R4	0	0	0
ECM1	0	0	0
CPPED1	0	0	0
GNAO1	1	0	0
DCAF4	0	0	0
PPCDC	0	0	0
TBC1D5	0	0	0
CRELD2	0	0	0
RUSC1	0	0	0
GM45380	0	0	0
LY9	0	0	0
ENSMUSG000C	0	0	0
NTAN1	0	0	0
SLC25A47	0	0	0
TGM7	0	0	0
H2AFY2	0	0	0
FOXO1	0	1	0
ATP6V0E	0	0	0
LRRIQ3	0	0	0
CHIC2	0	0	0
PDE11A	0	0	0
TENT5B	0	0	0
COX7C	0	0	0
SCLT1	0	0	0
GM20257	0	0	0
BORCS8	0	0	0
CTDSP2	1	1	1
BLM	0	0	0
NPEPL1	0	0	0

HDAC5	0	0	0
GSR	0	0	1
PEAK1	0	0	0
STT3B	0	0	0
CAST	0	0	0
SIN3A	0	0	1
CRACR2A	0	1	0
FAM24A	0	0	0
D030056L22RI	0	0	0
TMPPE	0	1	0
SH3TC2	0	0	1
FOXSI	0	0	0
PLEKHG5	0	0	0
HIST1H2BB	0	0	0
ASAP1	0	0	0
DHX34	0	0	0
GM8459	0	0	0
DENND6A	0	1	0
GM3365	0	0	0
ZDHHC22	0	0	0
UBAC1	0	0	0
LY75	0	0	0
MBD3	0	0	0
DNM2	0	0	1
ANGPTL1	0	0	0
UFD1	0	0	0
TAF15	0	1	0
RPS6KB1	0	0	0
PARVB	0	1	0
TTC39B	0	0	0
TBXA2R	0	0	0
ADCK5	0	0	0
CBL	0	0	0
BCAP31	0	0	0
ATF5	0	0	0
FIGN	0	0	0
GORAB	0	0	0
TOMM22	0	0	0
AHNAK	1	1	1
CLOCK	0	0	0
DNAJB12	0	0	0
NPS	0	0	0
ORMDL2	0	0	0
RBM26	0	0	0
FHAD1	0	0	0
MYO5A	0	0	1
RRP7A	0	0	0
SIRT7	0	0	0
NINJ1	0	0	0
BAHD1	0	0	0

NEU1	0	0	0
TRIM12C	0	0	0
SCRIB	0	0	0
SURF4	0	0	0
PRKCI	0	0	0
PYCR1	0	0	0
VPS9D1	0	0	0
SLC7A8	0	0	0
COG7	0	0	0
CLEC2I	0	0	0
GM4353	0	0	0
NELFCD	0	0	0
OSTF1	0	0	0
DAZAP1	1	1	1
COMMD4	0	0	0
UBAC2	0	0	0
NSA2	0	0	0
HSF5	0	0	0
TMEM87A	0	0	0
RABEP1	0	0	0
PLK3	0	0	0
SH2D1B1	0	0	0
APOC2	0	0	0
GM13443	0	0	0
MAS1	0	0	0
CADM3	0	0	0
ABCB7	0	0	0
CD59A	1	0	0
EMC2	0	0	0
PHPT1	0	0	0
SPRR2A2	0	0	0
CCR3	0	0	0
SLC9A3R2	0	0	0
OAZ1	0	0	0
TGM2	0	0	0
NSUN7	0	0	0
CTDSP1	0	0	0
G6PC3	0	1	0
CDC73	0	0	0
ANAPC13	0	0	0
HID1	0	0	0
GM10109	0	0	0
CGRRF1	0	0	0
MRM1	0	0	0
PPAN	0	0	0
SLC24A3	0	0	0
DHX15	0	0	0
UPF2	0	0	0
ZFP623	0	0	0
RAP1GAP	0	0	0

FREM2	0	0	0
MCUR1	0	0	0
MSL3	0	0	0
NDUFB6	0	0	0
MTMR12	1	0	1
ESPNL	0	0	0
TIFA	0	0	0
PIGA	0	0	0
NFXL1	0	0	0
GRRP1	0	0	0
GM14391	0	0	0
PRNP	0	1	1
STEAP2	0	0	0
SRSF2	0	0	0
FASTKD3	0	0	0
FCHO2	0	0	0
LTA4H	0	0	0
ZFP799	0	0	0
KIF6	0	0	1
MAPK13	0	0	0
CUTA	0	0	0
FGD6	0	0	0
PEX11A	0	0	0
MTERF1A	0	0	0
GM7008	0	0	0
A930002H24RI	0	0	0
NYNRIN	0	0	0
ACOT6	0	0	0
CLCN4	0	0	0
MECP2	0	0	0
GID8	0	0	0
BORCS6	0	0	0
4930402H24RI	0	0	0
THAP1	0	0	0
ALDH16A1	0	0	0
PPID	1	0	1
ATP5E	0	0	0
PGM1	0	0	0
NPEPPS	0	0	0
SARDH	0	0	0
SELE	0	0	0
GPLD1	0	0	0
UBASH3B	0	0	0
CCR5	0	0	0
ANKRD63	0	0	0
TFEC	0	0	0
PLA2G6	0	0	0
MMS22L	0	0	0
MMGT1	0	0	0
SNRPB2	0	0	0

PTGER2	0	0	0
LTBP4	0	0	0
ZDHHC21	0	0	0
RINL	0	0	0
ZC3H13	0	1	0
SERPINA3H	0	0	0
MSMO1	0	0	0
MOB4	0	0	0
TAS2R141-PS4	0	0	0
BDH1	0	0	0
ACAP1	0	0	0
CACNA1S	0	0	0
PPAT	0	0	0
ABCA3	0	0	1
PPP1R3A	0	0	0
RNF8	0	0	1
DDX19B	0	0	0
ADAM15	0	0	0
GM15575	0	0	0
NDUFS4	0	0	0
SDF2L1	0	0	0
CYTIP	0	0	0
MRPS12	0	0	0
PDCD10	0	0	0
SNRPB	0	0	0
NEGR1	0	0	0
ZFP934	0	0	0
C2CD5	0	0	0
FBP2	0	0	0
NPHP3	0	0	0
D630003M21R	0	0	0
DENR	0	0	1
SCARF1	0	0	0
NTM	0	0	0
PRR12	0	0	0
MYO19	0	1	1
DOK4	0	0	0
RBMX2	0	0	0
SERPINI1	0	0	0
FGF7	0	0	0
ADGRA3	0	0	0
BRPF1	0	0	0
XNTRPC	0	0	0
GM15922	0	0	0
DCUN1D5	1	0	1
ZFP319	0	0	0
SGCA	0	0	0
AQP11	0	0	0
ARHGDIG	0	0	0
METTL4	0	0	0

ZRSR2	0	0	0
COG8	0	0	0
PILRB2	0	0	0
CYB5RL	0	0	0
LRG1	0	0	0
DNAAF3	0	0	0
OLFML2B	0	0	0
TMEM9	0	0	0
CCDC117	0	0	0
PIK3C3	0	0	0
METTL2	0	0	0
SLC16A7	0	0	0
SMIM27	0	0	0
TCP10B	0	0	0
MANF	0	0	0
GNG5	0	0	0
DENND4C	0	0	0
SYNM	0	0	0
PCDHGB8	0	0	0
CXCL10	0	0	0
SMAD3	0	0	0
CEP112	0	0	1
DEF8	0	1	0
DGKA	0	0	0
UBA2	0	0	0
PPP1R35	0	0	0
SBF2	0	0	0
HIST1H4I	0	0	0
BTAF1	0	1	1
NAV3	0	0	0
DIRAS1	0	0	0
TTC30A1	0	0	0
RFC5	0	0	0
C2CD2L	0	0	0
BAP1	0	0	0
ZFYVE9	0	0	0
C1QTNF1	0	0	0
SMU1	0	0	0
DBN1	0	0	0
VPS53	0	0	0
VPS13C	0	0	0
MAGEE1	0	0	0
ASPM	0	0	0
GM10282	0	0	0
DAGLA	0	0	0
GM35339	0	0	0
KLHL41	0	0	0
TMEM119	0	0	0
UBLCP1	0	0	0
MSS51	0	0	0

NSUN6	0	0	0
MCC	0	0	0
GABBR1	0	1	0
PQLC2	0	0	0
OCEL1	0	0	0
UBE2L3	0	0	0
TMC5	0	0	0
PI4K2B	0	0	0
FPR2	0	0	0
VOPP1	0	0	0
TOX	0	0	0
WDPCP	0	0	0
CFAP61	0	0	0
ZFP64	0	0	0
APOPT1	0	0	1
ELOVL1	0	0	1
EEPD1	0	0	0
DCTN3	0	0	0
GNE	0	0	0
TMEM38A	0	1	0
MYH10	0	1	0
PRKCSH	0	1	0
SERPING1	0	0	0
GM15481	0	0	0
TRMT1L	0	0	0
GALE	0	0	0
GM48839	0	0	0
TNFRSF25	0	0	0
FAM81A	0	0	0
DACT2	0	0	0
CRAT	0	0	0
GM13259	0	0	0
IL17F	0	0	0
RRBP1	0	0	0
FBXW2	0	0	0
FAM196A	0	0	0
LNPEP	0	0	0
CD200	0	0	0
PRRC2C	0	0	0
RCBTB2	1	0	1
ROCK2	1	1	1
FNTB	0	0	0
FBF1	0	0	0
SULF2	0	0	0
GIMAP3	0	0	0
OPLAH	0	0	0
RTKN	0	0	0
PKM	0	1	1
KDM2B	0	0	0
RASD2	0	0	0

ZFP93	0	0	0
OTUD3	0	0	0
FOXO4	0	1	0
REL	0	0	0
YWHAH	0	0	0
MRPS2	0	0	0
GM45777	0	0	0
THBS1	0	1	1
GM2026	0	0	0
PINX1	0	0	0
ANKRD35	0	0	0
GM5129	0	0	0
RAB5A	0	0	0
GM45551	0	0	0
SDC1	0	0	0
RRP36	0	0	0
FBXW8	0	0	0
GM13092	0	0	0
SIRPB1A	0	0	0
SLC25A18	0	0	0
INTS9	0	0	0
CASP4	0	0	0
ERCC3	0	0	0
CNBP	0	0	0
PLCB2	0	0	0
CASC1	0	0	0
MRPS22	0	0	0
GM16114	0	0	0
CAV3	1	0	1
ITGB1	1	1	0
TFPI2	0	0	0
GOLM1	0	0	0
ZNHIT1	0	0	0
ABCA8B	0	0	0
CDKN3	0	0	0
UCN	0	0	0
DYRK2	0	0	0
SLC1A4	0	0	0
GM5708	0	0	0
ALDH1A3	0	0	0
DERL1	0	0	0
RUNX2	0	0	0
GXYLT2	0	0	0
ZSWIM3	0	0	0
CASP8	0	0	0
GPAA1	0	1	0
LSM2	0	0	0
TRIM27	0	0	0
GM10705	0	0	0
GALNT7	0	0	0

CAPNS1	0	0	0
SUOX	0	0	0
OXSM	0	0	0
DNAJC3	0	0	1
NXT2	0	0	0
TEFM	0	0	0
CD14	0	0	0
UGDH	0	0	0
EIF5A2	0	0	0
U2AF2	0	1	1
CHMP5	0	0	0
SAT1	0	0	0
RAB33A	0	0	0
2010005H15RI	0	0	0
HS3ST5	0	0	0
APOL8	0	0	0
VASP	0	0	0
YWHAB	0	0	0
LZTS3	0	0	0
DNMT3L	0	0	0
CES1E	0	0	0
HIST1H1D	1	1	0
TXN2	0	0	0
SLAMF1	0	0	0
KDSR	0	0	0
XPO5	0	0	0
ARIH2	0	0	0
ADCK2	0	0	0
DENND2A	0	0	0
TTPA	0	0	0
SLC2A2	0	0	0
SAMD4B	0	0	0
CFH	0	0	0
ZC3H12C	0	0	0
EFEMP2	0	0	0
TMEM59L	0	0	0
VBP1	0	0	0
SMDT1	0	0	0
COIL	0	0	0
GM48401	0	0	0
TEX30	0	0	0
GM14325	0	0	0
FLNA	0	0	0
NMT2	0	0	0
SERPINB1A	0	0	0
LIME1	0	0	0
CAMK2N1	0	0	0
9030612E09RII	0	0	0
DDB2	0	0	0
HAT1	0	1	0

DEDD	0	0	0
ICA1	0	0	0
ICAM1	0	0	0
ZFP148	0	1	0
NFE2L3	0	0	0
IL18RAP	0	0	0
PPP6R1	0	0	0
PHETA1	0	0	0
TBC1D24	0	0	0
TSPAN9	0	0	0
ARHGAP1	0	0	0
KLHL10	0	0	0
LYRM9	0	0	0
NATD1	0	0	0
ADA	0	0	0
ABCF3	0	0	0
GM13081	0	0	0
STK38L	0	0	0
MRPS24	0	0	0
ACTR1A	0	0	0
SPNS2	0	0	0
ZFP11	0	0	0
ZFP729A	0	0	0
TGFBR1	0	0	0
WDR18	0	0	0
DHRS7B	0	0	1
DLD	0	0	0
GM12034	0	0	0
MTLN	0	0	0
NMD3	0	0	1
FAM50A	0	0	0
FAM199X	0	0	1
GM9938	0	0	0
MBOAT1	0	0	0
GM44954	0	0	0
RPS19-PS3	0	0	0
TCF21	0	0	0
PRR19	0	0	0
SLC16A6	0	0	0
CAP2	0	1	0
ADCY8	0	0	0
OLFR78	0	0	0
C2CD4D	0	0	0
HAGH	0	0	1
ELP1	0	0	0
ELFN2	0	0	0
HNRNPUL1	0	0	0
CD209C	0	0	0
WDR3	0	0	0
DYNC2H1	0	0	0

SCNM1	0	0	0
AVIL	0	0	1
ASNS	0	0	0
TRIM56	0	0	0
TMEFF2	0	0	0
LST1	0	0	0
PCDHGB1	0	0	0
ZFP446	0	0	0
INTS3	0	0	0
CNGA4	0	0	0
KIF3A	0	0	0
OTUB1	0	0	0
LMBR1L	0	0	0
GM3029	0	0	0
EPHA7	0	0	0
KCTD5	0	0	0
STT3A	0	0	0
PENK	0	0	0
FAM120B	0	0	0
NUTF2	0	0	0
POP1	0	0	0
TRIP12	0	0	0
PARVG	0	0	0
LIG3	0	0	1
DR1	0	0	0
SAMD9L	0	0	0
RELB	0	0	0
ARMC7	0	0	0
TNFAIP8L1	0	0	0
TBC1D22B	0	0	0
TLE2	0	0	0
TTC30A2	0	0	0
MTCH1	0	0	0
AK7	0	0	0
SYNGAP1	0	0	1
PCDHGA3	0	0	0
KLHL12	0	0	1
IFI211	0	0	0
SLC7A11	0	0	0
CLN3	0	0	0
IGF2	0	0	0
37500	1	0	1
MAPKAPK3	0	0	0
ARHGEF15	0	0	0
DYRK3	0	0	0
B4GALT6	0	0	0
PLK5	0	0	0
EPM2AIP1	1	0	0
DNAJC24	0	0	0
CAP1	0	0	0

ALOX12	0	0	0
HSPBP1	0	0	0
CES1A	0	0	0
1700001P01RII	0	0	0
SLC1A7	0	0	0
UTRN	0	0	0
NENF	0	0	0
TMEM143	0	0	0
TMED8	0	0	0
VTN	0	0	0
CCM2L	0	0	0
CENPF	0	0	0
FAM89B	0	0	0
CFAP300	0	0	0
STEAP1	0	0	0
PSMD1	0	0	1
TPM4	0	0	1
CLTA	0	0	0
HNRNPA2B1	0	0	0
WFDC3	0	0	0
MOB2	0	0	0
SNX14	0	0	0
CLIC5	0	1	1
HHATL	0	0	0
AP1B1	0	0	0
IL4I1	0	0	0
OAZ2	0	0	0
CORO2A	0	0	0
GPR160	0	0	1
FAM217B	0	0	0
AGRN	0	0	0
YJEFN3	0	0	0
FERMT1	0	0	0
ZFP954	0	0	0
LPCAT4	0	0	0
GM48348	0	0	0
PISD	0	0	0
SNAP91	0	0	0
CXCL1	0	0	0
TXNDC15	0	0	0
MRPL43	0	0	0
ZFP507	0	0	0
MAML2	0	0	0
TJP1	0	0	0
NDUFAF3	0	0	0
KLF16	0	0	0
RPL34-PS2	0	0	0
HNRNPAB	0	0	0
PRCC	0	0	0
TMEM68	0	0	0

IPO8	0	0	0
RPL26-PS6	0	0	0
FAM234B	0	0	0
AAMP	0	0	0
MYH9	0	0	0
RAB1A	0	0	0
CES3B	0	0	0
WDR61	0	0	0
GM11478	0	0	0
FAM219A	0	0	0
NUDCD2	0	0	0
RAB11FIP1	0	0	0
RPS11-PS1	0	0	0
ARID4A	0	0	0
FXR1	0	0	0
H3F3A	0	0	0
ABHD13	0	0	0
RHBDL1	0	0	0
GRAMD3	0	0	0
KIT	0	0	1
UBE2G1	1	0	1
XLR4A	0	0	0
FTH-PS2	0	0	0
LZIC	0	0	1
METTL23	0	0	1
SIX1	0	0	0
OLFR1039	0	0	0
ZNFX1	0	0	0
VPS8	0	0	0
DHX35	0	0	1
CHCHD7	0	0	1
PYGB	0	1	1
DNAJC18	0	0	0
SPPL3	1	1	1
UQCR10	0	0	0
CDK18	0	0	0
OGFOD2	0	0	0
NOCT	1	0	0
SUV39H1	0	0	0
GUCY2C	0	0	0
RHOA	1	0	0
SLCO2B1	0	0	0
TCEAL9	0	0	0
GM17455	0	0	0
TIMM23	0	0	0
ENY2	0	0	1
TWINK	0	0	0
ZBTB6	0	0	0
GM9403	0	0	0
GM2076	0	0	0

GNPAT	0	1	1
ITGA2B	0	0	0
MANEAL	0	0	0
KCNA5	0	0	0
PROSER3	0	0	0
CTNNB1	0	0	0
CCPG10S	0	0	0
PIGO	0	0	0
DUSP13	0	0	0
EED	0	0	0
QK	0	0	0
PKN2	0	0	0
PYURF	0	0	0
DNAJC25	1	0	0
ITPRID2	0	0	0
NECTIN2	0	0	0
TNFRSF4	0	0	0
CD79B	0	0	0
RBM25	1	1	1
COMMD9	0	0	0
GDI1	1	1	0
SRGN	0	0	0
HSF4	0	0	0
FAM3A	0	0	0
NDUFA1	0	0	0
ZHX1	0	0	0
TMEM41B	0	0	0
SEPHS1	1	0	0
CHFR	0	0	1
ANKRD10	0	0	0
JAM3	0	0	0
NXPE5	0	0	0
RING1	0	0	0
THA1	0	0	0
LMBRD1	0	0	1
A930018P22RI	0	0	0
FAM162A	0	0	0
CDK4	1	0	0
THOC5	0	0	0
GM3278	0	0	0
NAP1L1	1	1	1
SMG6	0	0	1
GNB2	0	0	0
UBA52	0	0	0
LIPT2	0	0	0
NF1	0	1	1
MUC4	0	0	0
RAB6B	0	0	0
SPG11	0	0	0
CRLF2	0	0	0

TDRD3	0	0	0
NUPR1	0	0	0
SEMA3B	0	0	0
VAMP3	0	0	0
GLT28D2	0	0	0
NRIP2	0	0	0
FAM111A	0	0	1
STARD3NL	0	0	0
SAP25	0	0	0
ZFP362	0	0	0
NEDD4L	0	0	1
PLA2G4A	0	0	0
TIGAR	0	0	0
CXCL16	0	0	0
MYL12A	0	0	0
PRKD3	0	0	0
PTBP1	0	1	0
GM37419	0	0	0
IL1A	0	0	0
CRIP3	0	0	0
ZFP422-PS	0	0	0
EPB41L5	0	0	0
GSDME	0	0	0
LAMB2	0	1	1
GM14412	0	0	0
FAM241B	0	0	0
XDH	0	0	0
GM14305	0	0	0
MAST1	0	0	0
GM42957	0	0	0
TIMM8A1	0	0	0
RFC2	0	0	0
EIF2AK2	0	0	0
ZFP94	0	0	0
HIGD2A	0	0	0
MTPAP	0	0	1
PODXL	0	0	0
TMEM167B	0	0	0
ZFP109	0	0	0
MKRN2OS	0	0	0
COX6A1	0	0	0
MFSD4B3	0	0	0
ATP1B3	0	0	0
SNX30	1	0	1
BCL7C	0	0	0
HBEGF	0	0	0
TLN2	0	0	0
PSMD9	0	0	0
AP1S2	0	0	0
UBE2H	0	0	0

0610010K14RI	0	0	0
UBOX5	0	0	0
ITM2C	0	0	0
ENSMUSG000C	0	0	0
POU6F1	0	0	0
PLXDC1	0	0	0
SEC1	0	0	0
EGLN2	0	0	0
CPNE3	0	0	0
GPR137C	0	0	0
NUP85	0	0	1
NDUFB5	0	0	0
PKD2	0	1	1
MMACHC	0	0	0
VGf	0	0	0
BCDIN3D	0	0	0
RSPH3A	0	0	0
ZFP334	0	0	0
COX6B1	0	0	0
MAN1C1	0	0	0
KDM3A	0	0	0
KIF27	0	0	0
PCDH7	1	1	1
UBE2E3	0	0	0
ANO4	0	0	0
LAMB3	0	0	0
1700030J22RI	0	0	0
ZFP74	0	0	0
RPL12	1	0	1
MRPS33	0	0	0
4930562C15RI	0	0	0
ALKBH8	0	1	1
CDA	0	0	0
BAZ1A	0	0	0
PDCD4	0	0	0
CRIP1	0	0	0
CFAP157	0	0	0
BMP6	0	0	1
SRRD	0	0	0
EZH1	0	0	0
SNRPA	0	0	0
BAZ2A	0	1	1
HIST1H2BP	0	0	0
R3HCC1L	0	0	0
HK1	0	0	0
BNIP1	0	0	0
PHAX	0	0	1
ROMO1	0	0	0
PLEKHH1	0	0	0
POLD3	0	0	0

ABCC3	0	0	0
ACTG1	0	0	0
CACTIN	0	0	0
CERS1	0	0	0
DNAIC1	0	0	0
GM20388	0	0	1
AP1M1	0	0	0
AHSA2	0	0	0
STOM	0	0	0
F830016B08RII	1	1	1
TRPV1	0	0	0
GOLGA4	1	1	0
PIKFYVE	0	0	0
CCNDBP1	0	0	0
TFEB	0	0	0
SMPX	0	1	1
LRIF1	0	1	1
CTSO	0	0	0
ERF	0	0	0
DISP1	0	0	0
MRFAP1	0	0	0
STKLD1	0	0	0
GM49368	0	0	0
TONSL	0	0	0
SOD1	0	0	0
ZFP952	0	0	0
GPNMB	0	0	0
REPIN1	1	0	0
CLDN20	0	0	0
SOS2	0	0	0
ATP6V1E1	0	0	0
GM20716	0	0	0
MT2	0	0	0
PQLC3	0	0	0
FBLN5	0	0	0
AIMP2	0	0	0
RFNG	0	0	0
AIFM1	0	0	0
MSANTD3	0	0	0
C1S1	0	0	0
LAT	0	0	0
FRZB	0	0	0
CYP2D22	0	0	0
FBXO28	0	0	0
PELI3	0	0	0
USP24	1	1	1
SPHK1	0	0	0
FNDC1	0	0	0
CCDC91	0	0	0
DHX29	0	0	0

FKBP2	0	0	0
PREB	0	0	0
P4HTM	0	0	0
DNAJC16	0	0	0
SARAF	0	0	1
EAR2	0	0	0
XPA	0	0	0
CRNKL1	0	0	0
STK40	0	0	0
ZFP385B	0	0	0
NR2C1	0	0	1
STAT4	0	0	0
MFSD6	0	0	0
ZNRD1	0	0	0
ARHGEF10L	0	0	0
SHISA5	0	0	0
CORO1C	0	0	0
CLIC4	0	0	0
AKT1S1	0	0	0
DDC	0	0	0
BNIP3L	0	0	0
1700017B05RI	0	0	0
MOSPD4	0	0	0
CALD1	1	0	1
ENSMUSG000C	0	0	0
SEMA5B	0	0	0
PFKFB4	0	0	0
FAM198A	0	0	0
SFT2D1	0	0	0
HAUS3	0	0	0
NBEA	0	0	0
KCNQ4	0	0	0
SOCS5	0	0	0
SOAT1	0	0	0
CPNE1	0	0	0
GTPBP6	0	0	0
ASB8	0	0	0
YARS	0	1	0
RGS18	0	0	0
TSR2	0	0	0
TPR	0	1	0
ZFPL1	0	0	0
GM20604	0	0	0
PRRT2	0	0	0
SOX4	0	0	0
ZSWIM9	0	0	0
DUSP19	0	0	0
GPR107	1	1	0
GM14769	0	0	0
COL4A3	0	0	1

CPED1	0	0	0
FUBP3	0	0	0
SERPINA3I	0	0	0
EVI2	0	0	0
DDO	0	0	1
GOSR1	0	0	0
UIMC1	0	0	0
PIEZO1	0	0	0
NAALAD2	0	0	0
ANKMY1	0	0	0
CAAA0111838	0	0	0
FBXO16	0	0	0
GLMP	0	0	0
LDLR	1	0	0
MRPS21	0	0	0
TBCK	0	0	1
CMSS1	0	0	0
OPTN	0	0	0
TMCC1	0	0	0
SLC18B1	0	0	0
CAB39L	0	0	0
SFRP5	0	0	0
AGPAT4	0	0	0
ZFP24	0	0	0
TNFRSF14	0	0	0
BTBD8	0	0	0
SCRG1	0	0	0
DXO	0	0	0
UBE2N-PS1	0	0	0
COQ3	0	0	0
FAM19A3	0	0	0
PCDHGB7	0	0	0
CDKAL1	0	0	0
ASIC1	0	0	0
HMG1	0	0	0
ARHGAP25	0	0	0
SULF1	0	1	0
PLS3	0	0	0
ADGRF5	0	0	0
ZFYVE19	0	0	0
ASB1	0	0	0
BC048403	0	0	0
TJP2	0	0	0
BICDL1	0	0	0
LRP1B	0	0	0
FAM174A	0	0	0
RAB21	0	0	0
ARNT	0	1	1
SMCR8	1	0	0
MYPOP	1	0	0

MFSD13B	0	0	0
DNASE1L2	0	0	0
CASKIN2	0	0	0
SNRNP48	0	1	1
APBB1	0	0	0
ANGPT1	0	0	0
COG5	0	0	1
NUDT16L1	0	0	0
WDR6	0	0	0
COX7A2	0	0	0
GM7893	0	0	0
CPT2	0	0	0
ARF3	0	0	0
RHOBTB3	0	0	0
SPINDOC	0	0	0
4931428F04RII	0	0	0
ERLEC1	0	0	0
CDH19	0	0	0
STON1	0	0	1
GM1821	0	0	0
ZDHHC16	0	0	0
AQP7	0	0	0
RAB3IL1	0	0	0
CLIC3	0	0	0
CACNA1A	0	1	1
LRRC75A	0	0	0
LYPLA1	0	0	1
PLCB3	0	0	0
CHGB	0	0	0
ZFP867	0	0	0
RFC3	0	0	0
9930022D16RI	0	0	0
DUSP28	0	0	0
ARHGAP21	0	0	0
UBE2T	0	0	0
SCYL2	0	0	0
GM12260	0	0	0
OLFR506	0	0	0
THNSL2	0	0	0
KRT78	0	0	0
SLC6A19	0	0	0
FTSJ1	0	0	0
CCDC85A	0	0	0
MKNK2	0	0	0
ETV5	0	0	0
GSE1	1	0	1
POLR3H	0	0	0
GRAMD1B	0	0	0
IMPAD1	0	0	0
DDX58	0	0	0

KIF21B	0	0	0
LGALS1	0	0	0
ADAM32	0	0	0
TSPO	0	0	0
ANP32A	1	1	0
CEBPE	0	0	0
GM15502	0	0	0
MS4A4B	0	0	0
GM44715	0	0	0
SDSL	0	0	0
ZFP266	0	0	0
ESRRB	0	0	0
UBE2G2	0	0	0
TIAL1	0	0	0
FZD7	0	0	0
GRAMD4	0	0	0
PXYLP1	0	0	0
THOC1	0	0	0
DDX3X	0	0	0
GM12366	0	0	0
ZRANB1	0	0	0
MUCL2	0	0	0
NECAB2	0	0	1
LYVE1	0	0	0
SEMA4D	0	0	0
GM10343	0	0	0
IRGM1	0	0	0
NUDT6	0	0	0
HIPK1	0	0	0
UNC13D	0	0	0
MCU	0	0	0
CNIH1	0	0	0
NT5C	0	0	0
ANKIB1	0	0	0
NOL11	0	0	0
HSD17B11	0	0	0
TMEM231	0	0	0
LRRC55	0	0	0
HEATR5B	0	0	0
EBF1	0	0	1
GCSH	0	0	0
NFAT5	0	1	1
HASPIN	0	0	0
OTUD5	0	1	0
GM10570	0	0	0
TGIF1	0	0	0
RPAP3	0	0	0
BRAP	0	0	0
PPM1D	0	1	1
GM6641	0	0	0

ZMYND12	0	0	0
CLDN5	0	0	0
AQR	0	0	0
SLC39A2	0	0	0
ITPK1	0	0	0
MYCBP2	0	0	0
SNAPC1	0	0	0
PGAM1	0	0	0
TOM1L1	0	0	0
PLXDC2	0	0	0
AK1	0	0	0
GM13357	0	0	0
OSBPL11	0	0	0
IGF2R	0	0	0
RNF34	0	0	0
ARID1B	1	1	1
2610001J05RIK	0	0	0
RNF146	0	0	0
SNU13	0	0	0
TIE1	0	0	0
TRNT1	0	0	0
POLR1A	0	0	1
PRAF2	0	0	0
GM44984	0	0	0
KLHDC8B	0	0	0
CTSA	1	1	0
SLC44A2	0	1	0
IFIH1	0	0	0
MRPL2	0	0	0
FECH	0	0	0
ADARB1	0	0	0
GM12099	0	0	0
RAB2B	0	0	0
PHACTR4	0	0	0
FRS3	0	0	0
MLXIPL	0	1	0
ACADSB	0	0	0
GM7492	0	0	0
4930563M21R	0	0	0
FMO5	0	0	0
MXD3	0	0	0
RNF152	0	0	0
HINT2	0	0	0
NMNAT3	0	0	0
AHDC1	0	1	1
NUP107	0	0	0
PUS1	0	0	0
FLAD1	0	0	0
TSPAN31	0	0	0
WRN	0	0	0

NSRP1	0	0	0
MOB1A	0	0	0
EBF2	0	0	0
TOMM7	0	0	0
ANKRD28	0	0	0
CD79A	0	0	0
C1QTNF7	0	0	0
HEPH	0	0	0
MAP2K5	0	0	0
9130023H24RI	0	0	0
MFSD4B4	0	0	0
MAPRE2	0	0	0
ZFP346	0	0	0
HDX	0	0	0
MYL4	1	1	1
POU3F1	0	0	0
PIK3CA	0	0	0
CCDC8	0	0	0
ZKSCAN14	0	0	0
SIKE1	0	0	0
CDC5L	0	0	0
CCDC43	0	0	0
CREM	0	0	0
ANGPTL7	0	0	0
HYKK	0	0	0
POU2F1	0	0	0
GPBP1	0	0	0
LY6G5B	0	0	0
SMYD3	0	0	0
GM38431	0	0	0
GM17949	0	0	0
RSRP1	1	1	1
SERPINA3G	0	0	0
STAG1	0	0	0
ORAI2	0	0	0
VCL	0	1	1
DHFR	1	0	0
DCN	0	0	0
GM6293	0	0	0
POSTN	1	0	0
FGFR1OP	0	0	0
ZFP810	0	0	0
RRNAD1	0	0	0
PPWD1	0	0	0
DOCK2	0	0	0
MFSD6L	0	0	0
GM11249	0	0	0
FAM13C	0	0	0
WEE1	0	1	0
SPX	0	0	0

RAB15	0	0	0
DIS3	0	0	0
TRMT13	0	0	0
FIGNL2	0	0	0
PPP2R2A	0	0	0
TYW3	0	0	0
TRMT9B	0	0	0
ANKRD39	0	0	0
TAL1	0	0	0
ZFP866	0	0	0
SLC35G1	0	0	0
LYAR	0	0	0
ENSMUSG000C	0	0	0
BMS1	0	0	0
RARG	0	0	0
LSM12	0	0	0
TCTE2	0	0	0
ATP8B3	0	0	0
MGEA5	0	0	0
LMNTD1	0	0	0
CFAP97D1	0	0	0
CLUAP1	0	0	0
SLC37A2	0	0	0
ZBTB37	0	0	0
BEGAIN	0	0	0
TCP11L1	0	0	0
XPO6	0	0	0
NXF1	0	0	1
SF3A3	0	0	0
PNRC2	0	0	0
BUB1B	0	0	0
CELSR2	0	0	0
FBXL22	0	0	0
ZBTB1	0	0	0
ADAMTSL4	0	0	0
ANGEL1	0	0	0
HPSE	0	0	0
CFAP45	0	0	0
GM14654	0	0	0
AGBL5	1	0	1
SMIM8	0	0	0
PTPRN	0	0	0
CHD4	0	0	0
SUSD1	0	0	0
A630001G21RI	0	0	0
RPAIN	0	0	0
PRPSAP2	0	0	0
GM7993	0	0	0
WASHC1	0	1	0
NUP88	0	0	0

NCDN	0	0	0
RNF138	0	0	1
SAMD14	0	0	0
GM8818	0	0	0
MAGIX	0	0	0
CYB561	0	0	0
ZC3H14	0	0	1
TRPM4	0	0	0
SZRD1	0	0	0
STAM	0	1	0
NDUFC1	0	0	0
2310002L09RII	0	0	0
MRPL58	0	0	0
ZC3HC1	0	0	0
LIN7A	0	0	0
WDR75	0	0	0
RAB3D	0	0	0
ZFP58	0	0	0
KCNN3	0	0	0
TTLL2	0	0	0
COPS2	0	0	0
HTATSF1	0	0	0
KLHL15	0	1	0
WDR27	0	0	0
39873	0	0	0
DNMBP	0	0	0
FNDC5	0	0	0
ZBTB45	0	0	0
TNNC2	0	0	0
CTDSPL2	1	0	1
ABCA6	0	0	0
CINP	0	0	0
F2RL1	0	0	0
PRKD1	0	0	0
BPGM	0	0	0
INSL3	0	0	0
GM14542	0	0	0
CBLN1	0	0	0
RBP1	0	0	0
NAIP5	0	0	0
HMCN2	0	0	1
RECQL	0	0	0
POLR2H	0	0	0
ACKR4	0	0	0
KRT80	0	0	0
LYN	0	0	0
GM16353	0	0	0
CAR8	0	0	0
PLEKHM1	0	0	0
MEGF6	0	0	0

NUDT11	0	0	0
GBP10	0	0	0
FOSL2	1	1	1
CDK10	0	0	0
JPT2	0	0	0
CDYL	0	0	1
DYNLT1C	0	0	0
PRSS22	0	0	0
STAB1	0	0	0
SH3PXD2B	0	0	0
TTC27	0	0	1
HCCS	0	0	0
GM39404	0	0	0
LRRTM2	0	0	0
CETN3	0	0	0
PSME2B	0	0	0
RIT1	0	0	0
B4GALT5	0	0	0
BLVRA	0	0	0
CABLES2	0	0	0
FGF1	0	0	0
OLFR397	0	0	0
GM17084	0	0	0
BCL3	0	0	0
KARS	0	0	0
PRMT6	0	0	0
ACHE	0	0	0
DNMT3A	0	0	0
RPSA-PS10	0	0	0
LIF	1	1	0
ACTC1	0	0	0
TGM3	0	0	0
CDYL2	0	0	0
ZDHHC14	0	0	0
CNPPD1	0	0	0
SRARP	0	0	0
TMEM123	1	0	0
SFXN3	0	0	0
1700029J07RIk	0	0	0
TUT4	1	1	1
GM12463	0	0	0
LAPTM4B	0	0	0
ORC6	0	0	0
AW209491	0	0	1
GM7802	0	0	0
PRPF3	0	0	0
NEK1	0	0	0
NFE2L2	0	0	0
TTI2	0	0	0
HABP4	0	0	1

GM14322	0	0	0
RNF11	0	0	0
GCLC	0	0	1
TPPP3	0	0	0
CHAD	0	0	0
OCSTAMP	0	0	0
HSPA13	0	0	0
FZR1	0	0	0
HMCES	0	0	0
AKAP13	1	0	1
CEP89	0	0	0
FBXL2	0	0	0
GTF2H2	0	0	0
TRAPPC8	0	0	0
PLD3	0	0	0
BRD3	0	0	0
BMI1	1	0	0
DDX27	0	0	0
TRIM12A	0	0	0
ZFP36L2	0	0	0
5330417C22RI	0	0	0
ARHGAP15	0	0	0
E330009J07RIk	0	0	0
HCFC2	1	0	0
AIF1	0	0	0
DOCK6	0	0	0
AKR1B10	0	0	0
TFE3	0	0	0
PRKACB	0	0	0
FBXO45	0	0	0
INHBB	0	0	0
ASTN2	0	0	0
DOCK1	0	0	1
YAE1D1	0	0	0
GPALPP1	0	0	0
PHF7	0	0	0
2610002M06R	0	0	0
OVCA2	0	0	0
PGAM5	0	0	0
RAB12	0	0	0
NDUFB7	1	0	1
CHPT1	0	0	0
4930430F08RII	0	0	0
D830039M14R	0	0	0
EFCC1	0	0	0
SGPP1	0	0	0
NGB	0	0	0
HTRA1	0	0	0
ERN1	0	0	0
DBI	0	0	0

VIM	1	0	1
XKRX	0	0	0
COX14	0	0	0
CEP41	0	0	0
ITGAE	0	0	0
CUX2	0	0	0
GLT8D2	0	0	0
NFATC1	0	0	0
RAB7	0	0	0
ZFP868	0	0	0
MINPP1	0	0	0
TXNRD3	0	0	0
POLR2F	0	0	1
MAFF	0	0	0
TTC8	0	0	1
LONP2	0	0	0
GPIHBP1	0	0	0
TANK	0	0	0
RBBP5	0	0	0
TNRC18	0	0	0
OACYL	0	0	0
PRPF8	0	1	0
ERCC4	0	0	0
NKIRAS2	1	0	0
THOC7	0	0	0
ZFP438	0	0	0
MACO1	0	0	0
ACP2	1	0	0
GM29216	0	0	0
EXTL3	0	0	0
GM14288	0	0	0
METTL8	0	0	0
UFSP1	0	0	0
MUC15	0	0	0
TLR2	0	0	0
PHB	0	0	0
GM16199	0	0	0
FABP4	0	0	0
SLC23A2	0	0	0
ACSL5	0	0	0
SCRN2	0	0	0
TRIM68	0	0	0
TST	0	0	0
AKNA	0	0	0
TRPM2	0	0	0
URAH	0	0	0
IFI44	0	0	0
MRPL51	0	0	0
MSH6	0	0	0
FOLR2	0	0	0

FAM173A	0	0	0
CD101	0	0	0
WDR53	0	0	0
DHX32	0	0	0
CD48	0	0	0
SNAPIN	0	0	0
LHFPL2	0	0	0
SLC10A6	0	0	0
PLD4	0	0	0
TEX45	0	0	0
SCO1	0	0	0
PLPP2	0	0	0
MRPL28	0	0	0
HIST1H1E	0	0	0
CD177	0	0	0
PEG3	0	0	0
HSBP1	0	0	0
OLFR639	0	0	0
ZFP871	0	0	0
AC121298.1	0	0	0
MPG	0	0	0
MINK1	0	0	0
PCDHB18	0	0	0
XPNPEP3	1	0	0
ZFP358	0	0	0
UQCRB	0	0	0
DUS1L	0	0	0
ACOX1	0	0	0
ZFP575	0	0	0
FGL2	0	0	0
GM14698	0	0	0
H2-AB1	0	0	0
SMS-PS	0	0	0
AKAP10	0	0	0
MANSC4	0	0	0
EML6	0	0	0
HNRNPA3	1	0	1
CLPTM1L	0	0	0
RFESD	0	0	0
THOC3	0	0	0
FBXL7	0	0	0
SLC51A	0	0	0
GM6198	0	0	0
GVIN1	0	0	0
HMGB1	0	0	0
SLC5A1	0	0	0
ZFP82	0	0	0
SEC24A	0	0	0
RGL2	1	1	0
CNKSR1	0	0	0

PSMC3	0	0	0
KATNB1	0	0	0
CTNNA1	1	1	1
PLVAP	0	0	0
DCDC5	0	0	0
GNL3	0	0	0
TPRKB	0	0	0
ARHGAP26	1	1	1
FAM83H	0	0	0
UBE2D-PS	0	0	0
PROB1	0	0	0
D13ERTD608E	0	0	0
MKKS	0	0	0
SURF1	0	0	0
EIF4H	0	0	0
P2RY6	0	0	0
NAA38	0	0	0
UCP3	0	0	0
TXNDC16	0	0	0
FAT2	0	0	0
ZFP821	0	0	0
KIFC2	0	0	0
TMEM150C	0	0	0
DDAH1	0	0	1
GM4202	0	0	0
GATAD1	0	0	0
SPG20	0	0	0
GM28802	0	0	0
KLRK1	0	0	0
CRYBG3	0	0	0
RHOH	0	0	0
ZFP800	0	0	0
PARP14	0	0	0
OLFR1256	0	0	0
PPP6R2	0	0	0
PROCR	0	0	0
PILRB1	0	0	0
NDUFB4	0	0	0
GM17131	0	0	0
CUTAL	0	0	0
CRYZ	0	0	0
MRC1	0	0	0
DCLRE1A	0	0	0
NAV1	0	0	0
VPS4B	0	0	0
DDX60	0	1	1
0610009B22RI	0	0	0
NOXRED1	0	0	0
TRBC2	0	0	0
OLFR173	0	0	0

TMEM120A	0	0	0
TFPT	0	0	0
GM19187	0	0	0
CHD2	0	0	0
GJA8	0	0	0
HAUS8	0	0	0
ALDH6A1	0	0	0
SF3A1	0	0	0
HSP25-PS1	0	0	0
GM17349	0	0	0
MICU3	1	0	0
PSD4	0	0	0
PAFAH1B3	0	0	0
TRAF4	0	0	0
GNPDA2	0	0	0
EIPR1	0	0	0
1700013G24RI	0	0	0
RCC1	0	0	0
AMZ1	0	0	0
MS4A4D	0	0	0
UBE2A	0	0	0
RPS15A-PS4	0	0	0
GPR85	0	0	0
GM14914	0	0	0
TMEM126B	0	0	0
VPS13B	0	1	0
NYX	0	0	0
SYT2	0	0	0
DAB2	0	0	1
FADS6	0	0	0
RNF103	0	0	0
ATAD1	0	0	0
PIGG	0	0	0
CLDN34C1	0	0	0
MDN1	0	0	0
CROCC	0	0	0
PTPN4	0	0	0
ZFP608	0	0	0
GM12275	0	0	0
CYP2J6	0	0	0
PJA1	0	0	0
ABCC4	0	0	0
PARP16	0	0	0
NAA60	0	0	0
XPOT	0	0	0
RNF169	0	0	0
ANGPTL3	0	0	0
SLC7A6	0	0	0
SNX11	0	0	0
BC024978	0	1	0

IGFBP4	1	0	0
THAP11	0	0	0
FAM98C	0	0	0
KDM7A	0	0	0
SKIL	0	0	1
DGKD	0	0	0
LARP4B	0	0	0
GAPDH	0	0	0
SND1	1	1	1
PTX3	0	0	0
TUBA1B	0	0	0
PIDD1	0	0	0
GM20708	0	0	0
TLR3	0	0	0
NFE2	0	0	0
GM6445	0	0	0
FAM84A	0	0	0
POLA1	0	0	0
GM10647	0	0	0
PRRT1	0	0	0
ZZZ3	0	1	0
GM8738	0	0	0
EPS8L3	0	0	0
SLC27A4	0	1	0
PAXIP1	0	0	0
ATF6B	0	0	0
MLKL	0	0	0
NDUFB8	0	0	0
EID2	0	0	0
SERTAD2	0	0	0
GM43841	0	0	0
SPON1	0	0	0
SLC46A3	0	0	0
LIPO3	0	0	0
4930578C19RI	0	0	0
PCDHGB4	0	0	0
SHPK	0	0	0
TSPAN33	0	0	0
LRRC69	0	0	0
ROPN1L	0	0	0
SLC47A1	0	0	0
GTF3C6	0	0	0
RCC2	1	0	0
DISC1	0	0	0
GM4045	0	0	0
P2RY13	0	0	0
TNIP3	0	0	0
DNAH17	0	0	0
NECAP2	0	0	0
FGL1	0	0	0

MRPL12	0	0	0
SLC28A2	0	0	1
VPS52	0	0	0
ABHD11	0	0	0
KRT10	0	0	0
GIPC3	0	0	0
LRRK2	0	0	0
ZKSCAN4	0	0	1
LTBP2	0	0	0
RNF225	0	0	0
HNRNPA1L2-P5	0	0	0
HPS3	0	0	0
CEP70	0	0	0
GPATCH2	0	0	0
RARRES1	0	0	0
SMARCAD1	0	0	0
HELB	0	0	0
H2-OA	0	0	0
SARNP	0	0	0
SMIM24	0	0	0
H2-DMB1	0	0	0
CCDC154	0	0	0
PARP8	0	0	0
EOGT	0	0	0
ZPR1	0	0	0
CUZD1	0	0	0
4933434E20RII	0	0	0
GM7162	0	0	0
ZFP410	0	0	0
CHST11	0	0	0
WNK4	0	0	1
HIST1H2BG	0	1	0
PFDN6	0	0	0
MAP2K1	0	0	0
GM10693	0	0	0
DOCK9	0	0	0
CEP63	0	0	0
TM6SF2	0	0	1
ZFP598	0	0	1
ZFP2	0	0	0
ZFP35	0	0	0
SCIMP	0	0	0
APOLD1	0	0	0
SUN3	0	0	0
NFKBID	0	0	0
TOM1L2	0	0	0
NHLRC3	0	0	0
CEP95	1	0	0
VWA3A	0	0	1
FUCA1	0	0	0

NOLC1	0	0	0
PRMT3	0	0	0
HPCAL1	0	0	0
GM10046	0	0	0
ZAP70	0	0	0
TBX1	0	0	0
ARMCX5	0	0	0
TMEM242	0	0	0
GLI1	0	0	0
STXBP2	0	0	0
DOCK4	0	0	1
MLF2	1	0	0
CALM2	0	0	0
C2CD4B	0	0	0
NDUFA5	0	0	0
SIN3B	1	0	0
TCF7L1	0	0	0
RARRES2	0	0	0
VMN1R4	0	0	0
CBX3	0	0	0
OTOA	0	0	0
TERT	0	0	1
TPD52L2	1	1	1
LRRC61	0	0	0
FOXK2	0	0	0
SELENBP1	0	0	0
FKBP7	0	0	0
GM12191	0	0	0
RPL19-PS11	0	0	0
SLC25A15	0	0	0
MIEN1	0	0	0
NSUN3	0	0	0
CD163	0	0	0
40787	0	0	1
ZFP454	0	0	0
RNF44	0	0	0
UBXN6	0	0	0
LIG4	0	0	0
ADAM9	0	0	0
CAPN15	0	0	0
SLAMF7	0	0	0
STAT2	0	0	1
ZFP667	0	0	0
ARL5C	0	0	0
TMEM200C	0	0	0
SLC45A4	0	0	0
ZFP619	0	0	1
INAFM2	1	0	0
HACD3	0	0	0
UBXN7	0	0	0

MRAP	0	0	0
LRRC47	1	0	0
NDUFA6	0	0	0
RORC	1	0	0
MRPL11	0	0	0
SLC19A2	0	0	0
SRSF5	1	1	0
SPARCL1	0	0	0
NFKBIL1	0	0	0
PITPNM2	0	0	0
TAC1	0	0	0
PANK2	0	0	0
GM8242	0	0	0
MICAL3	0	0	0
RCAN1	0	0	0
BOD1	0	0	0
CX3CL1	0	0	0
RECK	0	0	0
VAR5	0	0	0
RASAL3	0	0	0
NUAK2	0	0	0
EIF3F	0	0	0
RXYLT1	0	0	0
MCRS1	0	0	0
GM45713	0	0	0
PPFIA4	0	0	0
PCDHB11	0	0	0
DEF6	0	0	0
GM12165	0	0	0
HDC	0	0	0
S100PBP	0	0	0
OAS2	0	0	0
SSH2	0	1	1
HIRA	0	0	0
COMMD8	0	0	0
CHTOP	0	0	0
NR6A1	0	0	0
ZFP977	0	0	0
GM19353	0	0	0
DMTN	0	0	0
SRPR	0	0	0
RMDN1	0	0	0
GLCE	0	0	0
GALNT11	0	0	0
HEG1	0	1	1
GM17875	0	0	0
ARID3A	0	0	0
ANXA11	0	1	0
MTSS1	0	0	0
ZFP518B	0	0	0

SLC38A2	0	0	0
NUCB2	0	0	0
VCP	0	0	0
SMPD1	0	0	0
TECPR2	0	0	0
AP1G2	0	0	0
C87436	0	0	0
SMIM5	0	0	0
TMEM138	0	0	0
PPP2R1A	0	0	0
SELENOS	0	0	0
SNAP47	0	0	0
3110040N11RI	0	0	0
SNAPC2	0	0	0
MINDY3	0	0	0
PRORS1	0	0	0
LMO4	0	0	0
MAPK11	0	0	0
ELMOD3	0	0	0
PFKM	0	1	1
FCRL1	0	0	0
MEOX1	0	0	0
FOXN2	0	0	0
PCDH18	0	0	0
PCBP1	0	0	0
COL17A1	0	0	0
MRAS	0	0	0
FLT1	0	0	0
RAB11FIP4	0	0	0
TEAD4	0	0	0
GM47364	0	0	0
DCAF12	0	0	0
MAD2L2	0	0	0
ZFP14	0	0	0
GM33543	0	0	0
RAB2A	0	0	1
STOML2	0	0	0
KCNA2	0	0	0
HELT	0	0	0
ZFP28	0	0	0
RTN4IP1	0	0	0
SENP3	0	0	0
HELZ	1	1	1
PIGS	0	0	0
MRPL19	0	0	0
GM4734	0	0	0
BLOC1S3	0	0	0
DHDDS	0	0	0
PTK2	0	0	0
EIF4E	0	1	1

SERPINB6A	0	0	0
GM12424	0	0	0
SMAD4	0	0	0
NUDC	0	0	0
RNASEH1	0	0	0
DSG1B	0	0	0
GM4742	0	0	0
ANKRD37	0	0	0
DLC1	0	0	0
SLC17A9	0	0	0
TRIM35	1	0	1
TWF1	0	0	0
VGLL3	0	1	1
CMC1	0	0	0
BICRA	0	0	0
LTBR	0	0	0
PHYKPL	1	0	0
PRKG1	0	0	0
I830077J02RIK	0	0	0
SYNCRIP	0	0	0
NPC1L1	0	0	0
SMO	0	0	0
MRPL24	0	1	0
FAM83F	0	0	0
C2CD2	0	0	0
WIZ	0	0	0
ENGASE	0	0	0
WBP1L	1	1	0
PKP2	1	1	1
VTI1A	0	0	0
CIC	0	0	1
TRIP10	0	0	0
THG1L	0	0	0
TMEM38B	0	0	1
ADPRHL1	0	0	0
ABHD12	0	0	0
PHLDB2	0	0	0
NAXE	0	0	0
CTSW	0	0	0
TBC1D22A	0	0	1
CRTC3	0	0	0
GM5620	0	0	0
MZT2	0	0	0
CD180	0	0	1
ZSCAN2	0	0	0
ANKLE2	0	0	0
ZCCHC7	0	0	1
RPP25L	0	0	0
ARMC8	0	0	0
ZFP146	0	0	0

PTPRB	0	0	0
D430041D05RI	0	0	0
SRFBP1	0	0	0
ERFE	0	0	0
SUCO	0	0	0
RBM43	0	0	0
TBL1XR1	0	0	1
CEACAM18	0	0	0
CHKA	0	0	1
IGHA	0	0	0
GPR180	0	0	0
RNLS	0	0	0
TMEM241	0	0	0
EIF4G3	1	1	1
PCM1	0	1	0
NME5	0	0	0
CCL4	0	0	0
UBN1	0	0	0
HSBP1L1	0	0	0
DARS	0	0	0
EPS8	0	0	0
SLC16A12	0	0	0
GUCY1B1	0	0	0
UGCG	0	0	0
CCDC149	0	0	0
TMED3	0	0	0
GDF3	0	0	0
GM9531	1	0	0
CHD8	0	0	0
TMEM178	0	0	0
NUDT5	0	0	0
COMMD5	0	0	0
NDUFA3	0	0	0
TBCE	0	0	0
DISP3	0	0	0
SPAG9	0	1	1
PADI4	0	0	0
QTRT1	0	0	0
EIF5B	0	0	0
RPUSD4	0	0	0
RABGGTA	0	0	0
BRD8	0	0	0
AAR2	0	0	0
GOT2	0	0	0
GM13301	0	0	0
STAT6	0	0	0
GM15590	0	0	0
UBL3	0	0	0
CDC6	0	0	0
6330549D23RI	0	0	0

ZFP112	0	0	0
TPGS2	0	0	0
TRAPPC4	0	0	0
RPH3AL	0	0	0
CABP1	0	0	0
GM44845	0	0	0
DMXL1	0	0	0
CADM4	0	0	1
AIFM2	0	0	0
SLC6A8	1	0	1
TCF15	0	0	0
ZFP664	0	0	0
TBC1D30	0	0	0
APLP2	0	0	0
GLE1	0	0	0
GM10767	0	0	0
ITSN2	0	0	0
ENDOV	0	0	0
MAGEB3	0	0	0
CSRP1	0	0	0
MYO1D	0	0	0
IRF2BP1	0	0	0
CD80	0	0	0
SLC2A3	0	0	0
MRPL23-PS1	0	0	0
RHBDD1	0	0	0
SPSB4	0	0	0
ZNHIT3	0	0	0
EYA1	0	0	0
TET1	0	0	0
SGMS2	0	0	0
GM9978	0	0	0
EVA1C	0	0	0
HNRNPDL	0	0	0
EEF1D	0	0	0
SDR39U1	0	0	0
NOL6	0	0	0
JMJD4	0	0	0
LARP7	0	0	0
AP2A2	0	0	0
GM10401	0	0	0
ST7L	0	1	1
SEMA6C	0	0	0
ME1	0	0	0
EXOC2	0	0	0
CCDC126	0	0	1
OVGP1	0	1	0
NUDT9	0	0	0
SNX12	0	0	0
ATP6AP1L	0	0	0

WARS2	0	0	0
MED15	0	0	0
JAK1	0	0	0
IER2	0	0	0
GUSB	0	0	0
GDAP1L1	0	0	0
MYOC	0	0	0
GM10182	0	0	0
ANAPC5	0	0	0
TRRAP	0	0	1
GM6905	0	0	0
GM36210	0	0	0
URM1	0	0	0
ARL5B	0	0	1
IGSF11	0	0	0
IFI204	0	0	0
CCDC92B	0	0	0
P2RX4	0	0	0
D7ERTD443E	0	0	0
ZFP830	0	0	0
ZKSCAN16	0	0	0
ATP5J2	0	0	0
COX7B	0	0	0
SCN3A	0	0	0
HIVEP3	0	0	0
NOL3	0	0	0
SF3B1	0	0	0
OLFR1537	0	0	0
KDM8	0	0	0
RHOD	0	0	0
CAR5A	0	0	0
CP	0	0	0
ANKRD17	0	0	0
GATB	0	0	0
BRF1	0	0	0
TSPAN2	0	0	0
ABCA1	0	0	0
PPP1R37	0	0	0
GPR35	0	0	0
TEP1	0	0	0
RUFY2	0	0	0
PTGFRN	0	0	0
RNASE6	0	0	0
IKBKE	0	0	0
YWHAE	1	0	1
TPMT	0	0	0
MARGPRA2A	0	0	0
DMKN	0	0	1
CNOT7	0	0	0
YJU2	0	0	0

GM8355	0	0	0
FBLN1	0	0	0
COL13A1	0	0	0
MCEE	0	0	0
CLSTN2	0	0	0
HSD11B1	0	0	0
KLHL28	0	0	0
DBR1	0	0	0
MXD4	0	0	0
ITIH4	0	0	0
AMACR	0	0	0
SSTR4	0	0	0
OLFR1328	0	0	0
MAPKAP1	0	0	1
IKZF5	0	0	0
RASEF	0	0	0
DDX43	0	0	1
TMEM140	0	0	0
BZW2	0	0	0
GANC	0	0	0
EDA	0	0	0
MTBP	0	0	0
SRPK1	0	0	0
NEIL2	0	0	0
SCYL1	0	0	0
ACTR6	0	0	0
NR2F6	0	0	0
DUSP3	0	0	0
YIPF3	0	0	0
SCN1B	0	0	0
GGT5	0	0	0
PHYH	0	1	0
PEBP1	0	0	0
TMEM98	0	0	0
TNFAIP1	0	0	0
CDCA3	0	0	0
GM14219	0	0	0
OLFR873	0	0	0
RNF123	0	0	0
PNISR	1	1	1
UNC45B	0	1	0
MAP4K4	1	1	1
CPSF4L	0	0	0
GM13194	0	0	0
GM5815	0	0	0
GM14399	0	0	0
SMAD5	1	0	1
GM21451	0	0	0
MDP1	0	0	0
KRCC1	0	0	0

METTL15	0	0	0
ATP1B1	0	0	0
STARD5	0	0	0
SGTA	0	0	0
GM43951	0	0	0
MAZ	0	0	0
ZFP946	0	0	0
EIF2S3X	0	0	0
CPNE2	0	0	1
CXXC1	0	0	0
GM45140	0	0	0
CD160	0	0	0
OSBP2	0	0	0
GM48128	0	0	0
DCUN1D1	0	0	0
TM9SF4	0	1	0
HINT3	0	0	0
NDUFS5	0	0	0
CKM	0	0	0
MTHFS	0	0	0
MTAP	0	0	0
GPC6	0	0	1
DTNBP1	0	0	0
MYRIP	0	0	0
YIPF4	0	0	0
CETN4	0	0	0
EPS8L2	0	0	0
WDR12	0	0	0
MTFR1L	0	0	0
POLR3A	0	0	0
ACTL7B	0	0	0
TMEM71	0	0	0
HNRNPUL2	0	0	1
ZDHHC6	0	0	0
NRAP	0	0	0
PRDX5	0	0	0
NDUFS6	0	0	0
SP100	0	0	1
PXMP4	0	0	0
TNFAIP3	0	0	0
SSR3	0	0	0
TMEM266	0	0	0
PDZRN3	0	0	0
ENOX2	0	0	0
CD300LD3	0	0	0
CRTAP	0	0	0
FGGY	0	0	1
B3GLCT	0	0	0
WNT9A	0	0	0
CSNK2A2	0	0	0

PLPP3	0	0	0
IL17RD	0	0	0
UBE2Q2	0	0	0
TBC1D12	0	0	0
C330021F23RII	0	0	0
LYL1	0	0	0
MTM1	0	0	1
PIK3R4	0	0	0
HMGXB3	0	0	0
PDK1	0	0	0
ARHGAP44	0	0	0
GM5511	0	0	0
RGN	0	0	0
TMPRSS4	0	0	0
HIST1H1A	0	0	0
PRAG1	0	0	0
CHMP6	0	0	0
KAT8	0	0	0
P3H2	0	0	0
TSKU	0	0	0
ERCC8	0	0	0
MUC6	0	0	0
TRIM47	0	0	0
ITGA8	0	0	0
TGFBR3L	0	0	0
ZFYVE16	0	0	0
USP40	0	0	0
TSPAN13	0	0	0
38231	0	0	0
GOLGA1	0	0	0
ZEB1	0	0	1
ALDH4A1	0	0	0
FOXO4	0	0	0
TSC2	0	0	0
GM36028	0	0	0
IFT81	0	0	0
C7	0	0	0
ADGRG5	0	0	0
TMEM255A	0	0	0
ZFP994	0	0	0
PURG	0	0	0
ALG9	0	0	0
ATP7B	0	0	0
ZSCAN30	0	0	0
1700007E05RII	0	0	0
CSTAD	0	0	0
PTCHD3	0	0	0
DNAJC30	0	0	0
SEMA3E	0	0	0
FDPS	0	0	0

RASGRP1	0	0	0
INPP5B	0	0	0
KIF24	0	0	0
ASCC3	0	0	0
FAM168A	0	0	1
WDR33	0	1	0
CCDC74A	0	0	1
TPT1-PS3	0	0	0
LAMC3	0	0	0
CLUH	0	1	1
PCNX3	0	0	0
GP1BA	0	0	0
PTGES2	0	0	0
IRX3	0	0	0
KEAP1	0	0	0
NIT1	0	0	0
NID2	0	0	0
CCNJ	1	0	0
ZFP111	0	0	0
ARHGEF4	0	0	0
LTBP3	0	0	0
PECR	0	0	0
KHNYN	0	0	0
FBXL21	0	0	0
ZFYVE26	0	0	0
RAB26	0	0	0
BUD13	0	0	0
TPRN	0	0	0
DCTN5	0	0	0
AK4	0	0	0
SLC25A16	0	0	0
LRCH1	0	0	0
AFF3	0	0	0
TMC8	0	0	0
AFAP1L1	0	0	0
BTBD3	0	0	0
TYW5	0	0	0
POLR3K	0	0	0
TM9SF2	1	0	0
YPEL3	1	0	0
YIPF6	0	0	1
ZFP592	0	0	0
MYO7B	0	0	0
MRPS11	0	0	0
SEMA6A	0	0	0
NSUN5	0	0	0
LPCAT1	0	0	0
SEPSECS	0	0	0
HDHD5	0	0	0
4930452B06RI	0	0	0

RABIF	0	0	0
PRKDC	0	0	0
ZFP125	0	0	0
ALS2CR12	0	0	0
PKP4	0	0	0
ACE2	0	0	1
E230025N22RI	0	0	0
CCNB2	0	0	0
PPARA	0	0	0
BAG1	0	0	0
SAMD13	0	0	0
CNN2	0	0	0
SSC5D	0	0	0
CUTC	0	0	0
GNB3	0	0	0
CCDC88C	0	0	0
SLC26A10	0	0	0
TANC2	0	0	1
DCAF8	0	0	1
GPBP1L1	0	1	1
MTMR4	0	0	1
PRPF4B	0	1	0
GBGT1	0	0	0
OMD	0	0	0
NDUFB9	0	0	0
ASPH	0	0	0
1810010H24RI	0	0	0
AFG3L1	0	1	0
GINM1	0	0	0
PLAC9B	0	0	0
GM18186	0	0	0
TMEM14C	0	0	0
PROSER2	0	0	0
IGHMBP2	0	0	0
EGR1	0	1	0
UTP14B	0	0	0
SHPRH	0	0	1
PDXK	0	0	0
RIF1	0	1	1
ZFP41	0	0	1
METTL24	0	0	0
CNTN5	0	0	0
TEX2	0	0	0
ZFP637	0	0	0
ACCS	0	0	0
NGLY1	0	0	1
LYSMD2	0	0	0
TREML1	0	0	0
PMP22	0	0	0
MYEF2	0	0	0

ZFP341	0	0	0
ABTB2	0	0	1
2310034G01RI	0	0	0
GM16253	0	0	0
CIAO2A	0	0	0
KLF11	0	0	0
SMARCAL1	0	0	0
SFXN4	0	0	0
ANAPC4	0	0	0
RABL3	0	0	0
FV1	0	0	0
TOX4	0	1	0
IRAK4	0	0	0
MAN1A	0	0	0
RUFY1	0	0	0
MSC	0	0	0
COQ10A	0	0	0
TRMT10C	0	0	0
DDA1	0	1	0
CABIN1	0	0	0
ANXA1	0	0	0
FOXJ3	0	0	0
AFG1L	0	0	0
CDC42EP1	0	0	0
DHODH	0	0	0
BEND7	0	0	0
3110009E18RII	0	0	1
GM11620	0	0	0
RUFY3	0	0	1
ENSMUSG000C	0	0	0
SEC61A1	0	0	0
TRIM8	1	0	0
TBL1X	0	0	1
BBS1	0	0	0
MYRF	0	0	0
MTG1	0	0	0
ENSMUSG000C	0	0	0
CLHC1	0	0	0
MYO1H	0	0	0
PI4K2A	0	0	0
ATP1A2	0	0	0
LEMD2	0	0	0
ARHGAP29	0	0	0
MX1	0	0	0
CALHM5	0	0	0
GM8839	0	0	0
CAVIN2	0	0	0
FKBP8	1	0	0
HADHA	0	0	0
GM14122	0	0	0

ARHGAP11A	0	0	0
MRM2	0	0	0
GM6851	0	0	0
SETD2	0	0	1
SMCO2	0	0	0
MYO9A	0	0	1
EDAR	0	0	0
KCTD20	0	0	0
GM43142	0	0	0
PIK3AP1	0	0	0
TGM1	0	0	0
SERPINA3F	0	0	0
FUOM	0	0	0
TINAGL1	0	0	0
GM10617	0	0	0
TEX14	0	0	1
FAM120A	0	0	0
TRAPPC11	0	0	0
GM12689	0	0	0
CATSPERD	0	0	0
INTS4	0	0	0
GPR20	0	0	0
LAMTOR2	0	0	0
TRIM55	0	1	1
FLT4	0	0	0
TES	0	0	0
GM14326	0	0	0
HIST1H3D	0	0	0
ZFP277	0	0	0
CCSER1	0	0	1
SAMD1	0	0	0
SMIM1	0	0	0
SELENOF	0	0	0
GM13670	0	0	0
GM6061	0	0	0
ARPP21	0	0	0
CDPF1	0	0	0
ETV3	1	0	0
SOX13	0	0	0
MAPKAPK2	0	0	0
CDK5RAP1	0	0	0
C1RA	0	0	0
EFTUD2	0	0	0
RPP30	0	0	0
HIST1H2AD	0	0	0
GAK	0	0	0
SUMO3	0	0	0
MDH1	0	0	0
HRH2	0	0	0
NOXO1	0	0	0

GAPT	0	0	0
TACSTD2	0	0	0
CCDC97	0	0	0
SSR1	0	0	0
CR1L	0	0	0
EEF2K	0	0	0
MIGA1	0	0	0
ZMYND11	0	0	0
SNX2	0	0	0
NCKAP1	0	0	0
FZD5	0	0	0
NRP1	1	1	1
COX6C	0	0	0
NGF	0	0	1
TRIM25	1	1	0
PIRA2	0	0	0
ZFP512	0	0	1
CRABP2	0	0	0
MTDH	1	1	0
PPIL6	0	0	1
NAT9	0	0	0
PRRC2A	0	0	0
COLEC11	0	0	0
TUT7	0	0	0
NUDT18	0	0	0
DEPP1	0	0	0
AKR1C19	0	0	0
ASPA	0	0	0
1600014C23RI	0	0	0
IL22RA2	0	0	0
GM11962	0	0	0
KCNA1	0	0	0
CARD11	0	0	0
CCND3	0	0	0
ANKRD42	0	0	0
TNFRSF26	0	0	0
GM18190	0	0	0
FNIP1	0	0	0
BAAT	0	0	0
MDGA2	0	0	0
PEX10	0	0	0
PRELID2	0	0	0
P2RX3	0	0	0
ZFP322A	0	0	0
MTA3	0	0	0
MAGOHB	0	0	0
CYB561A3	0	0	0
MOCOS	0	0	0
TMEM53	0	0	0
MVK	0	0	0

COA6	0	0	0
MMGT2	0	0	0
CRCP	0	0	1
ABLIM3	0	0	0
CIZ1	1	0	0
LUC7L3	0	0	0
TAF1	0	0	0
MPC2	0	0	0
OSBPL5	0	0	0
CSNK2B	0	0	0
STMN1	0	0	0
GM4925	0	0	0
ZFP516	0	0	0
ZFP773	0	0	0
PPP1R21	0	0	0
PRKCQ	0	0	0
FCOR	0	0	0
MRPS6	1	0	1
CIAPIN1	0	0	0
SLC25A19	0	0	0
RNF31	0	0	0
NXPH3	0	0	0
SEC11A	0	0	0
ARPC5L	0	0	0
VIPR2	0	0	0
DOC2G	0	0	0
1700123O20RI	0	0	0
LY6G	0	0	0
CMC2	0	0	0
PLEKHH2	0	1	0
SERPINB8	0	0	0
TRIB2	0	0	0
KDM1A	0	0	0
TMEM106C	0	0	0
PLSCR1	0	0	0
JCAD	0	0	0
ABHD10	0	0	0
CTBS	0	0	0
WDR60	0	0	0
GPC3	0	0	0
PLCXD1	0	0	0
MAOB	0	0	0
PTPRZ1	0	0	0
ATAD3A	0	0	0
HRASLS	0	0	0
NDUFA2	0	0	0
FCRLA	0	0	0
REV3L	0	0	0
MAP1LC3A	0	1	0
RPIA	0	0	0

MAP2K2	0	0	0
ALDH1A1	0	0	0
GM17969	0	0	0
RPS12-PS4	0	0	0
TPP1	0	0	0
SMURF1	0	0	0
TLR6	0	0	0
ZFP27	0	0	0
NUP210L	0	1	0
RASSF2	0	0	0
EIF1	0	0	0
HDAC4	0	0	0
MADD	0	0	0
SLC38A9	0	0	0
TEX261	0	0	0
HMGXB4	1	0	0
POGLUT1	0	0	0
PCDHGA11	0	0	0
OLFML3	0	0	0
BCORL1	0	0	0
SIGLECG	0	0	0
AGFG2	0	0	0
METTL26	0	0	1
CSRNP2	0	0	0
SBK2	0	0	0
SEC23IP	0	0	0
GRK6	0	0	0
MESD	0	0	0
GYG	0	0	0
APH1B	0	0	0
RUVBL1	0	0	0
WDR47	0	0	0
ARFGAP3	0	0	0
SLC12A5	0	0	0
GM17907	0	0	0
U2AF1L4	0	0	0
COMTD1	0	0	0
IGDCC3	0	0	0
TMEM117	0	0	0
DNAJC19	0	0	0
ZFP820	0	0	0
DENND1A	0	0	0
RASL2-9	0	0	0
MCPH1	0	0	0
PIP4K2B	0	0	0
LACTB2	0	0	0
NSD3	0	1	1
IFITM3	0	0	0
NOSTRIN	0	0	0
ZFP428	1	0	0

MT-ND4L	0	0	0
VEGFB	0	0	0
SLC18A2	0	0	0
AGMAT	0	0	0
CEP104	0	0	1
ENSMUSG000C	0	0	0
PCDHGB6	0	0	0
ACSM5	0	0	0
CYP4A31	0	0	0
RNF7	0	0	0
GM19345	0	0	0
SDC4	0	0	0
KIF1C	0	0	0
OLFR1341	0	0	0
ZFP786	0	0	0
GM17040	0	0	0
4930432K21RI	0	0	0
RICTOR	1	1	1
EID1	0	0	0
GM17018	0	0	0
MLANA	0	0	0
STK11IP	0	0	0
MBTPS2	0	0	0
SLC35B2	0	0	0
ATAD5	0	0	0
LRPPRC	0	0	0
SRSF11	0	0	0
RPSA-PS9	0	0	0
LEPROTL1	0	0	0
NRP2	0	0	0
ADARB2	0	0	0
EEA1	0	0	0
1700093K21RI	0	0	0
APC	0	0	1
EBF3	0	0	0
ARFGEF2	0	0	1
IWS1	0	0	0
CCDC90B	0	0	0
CMBL	0	0	0
ITGA3	0	0	0
SH3BGRL	0	0	1
PARP9	1	0	1
TMED1	0	0	0
ITGB3BP	0	0	0
DUOX1	0	0	0
CTNS	0	0	0
ANKRD6	0	0	0
A130010J15RI	0	0	0
GM28048	0	0	0
PGF	0	0	0

ANKRD52	1	0	1
TARBP2	0	0	1
VANGL1	0	0	0
LNPK	0	0	0
GM5526	0	0	0
4931422A03RI	0	0	0
SUPT7L	0	0	0
CS	1	0	1
PIGC	0	0	1
EIF2B1	0	0	0
FAM49A	0	0	0
SLC2A1	1	0	0
PFAS	0	0	0
ERICH5	0	0	1
IFT52	0	0	0
SETD1B	0	1	1
CD33	0	0	0
KBTBD7	0	0	0
NAPA	0	0	1
FOSB	0	0	0
PTCD3	0	0	0
TENM4	0	0	0
FXYD1	0	0	0
PREPL	0	0	0
PDZD11	0	0	0
NUMB	0	0	0
COPG1	0	1	0
CCER2	0	0	0
CEACAM16	0	0	0
AW554918	0	0	0
BIRC5	0	0	0
SALL4	0	0	0
SIGLECF	0	0	0
BC023105	0	0	0
NT5M	0	0	0
CLK4	1	1	1
CYB5R3	0	0	0
CHD3	0	0	0
PCDHB16	0	0	0
PHB2	0	1	0
CD320	0	0	0
DNAJC17	0	0	0
MROH6	0	0	0
GFRA3	0	0	0
TBC1D17	0	0	0
LGI2	0	0	0
GM5711	0	0	0
MLXIP	0	0	0
PQLC1	0	1	0
HIST1H3I	0	0	0

ATG16L2	0	0	0
GM38394	0	0	0
TAF1C	0	0	0
LTB	0	0	0
IER3	0	0	0
PUF60	0	0	0
OGFRL1	0	0	0
CHMP7	0	0	0
PAGR1A	0	0	0
GOLPH3L	0	0	0
SAMD12	0	0	0
NCKAP5	0	0	0
KYAT1	0	0	0
TMEM37	0	0	0
PABPC4	1	1	1
TRPC3	0	0	0
ACAT1	0	0	0
UNC50	0	0	1
SH3BP5	0	0	0
QRICH2	0	0	0
TBC1D13	0	0	0
1700109H08RI	0	0	0
GDF6	0	0	0
FANCF	0	0	0
GSDMD	0	0	0
ISYNA1	0	0	0
SSH1	0	0	0
GM16020	0	0	0
TAGLN2	0	0	0
SPATA48	0	0	0
KRAS	0	0	0
STXBP4	0	0	0
FCNA	0	0	0
GM5805	0	0	0
UBALD1	0	0	0
ZFP597	0	0	0
SLITRK4	0	0	0
ACOX3	0	0	0
NSMF	0	0	0
SLCO1A4	0	0	0
CIP2A	0	0	0
CHRNA5	0	0	0
GNL1	0	0	0
RNF166	0	0	0
SMIM13	0	0	0
IGFBP3	0	0	0
PRSS36	0	0	0
PCDHGA7	0	0	0
ZFP40	0	0	0
AI593442	0	0	0

MCAM	0	1	0
MYH11	0	0	0
MPV17	0	0	0
PPP2CA	0	0	0
GM10643	0	0	0
TUSC3	0	0	0
HLCS	0	0	0
HSD17B7	0	0	0
GDNF	0	0	0
IQSEC2	0	0	0
TREM2	0	0	0
NRG2	0	0	0
FUS	1	1	1
SERPINA12	0	0	0
2410137M14R	0	0	0
ADAMTS8	0	1	0
COPS8	0	0	0
SKIDA1	0	0	0
CLYBL	0	0	1
GM14416	0	0	0
4930555G01RI	0	0	0
KANK4	0	0	0
SMUG1	0	0	0
UBE3B	0	0	0
PRICKLE2	0	0	0
KANK1	0	0	1
RABL2	0	0	0
TRAF1	0	0	0
NBAS	0	1	0
ZFP142	0	0	0
SFSWAP	0	0	1
CYP7B1	0	0	0
MKRN2	1	0	0
ROM1	0	0	0
JKAMP	0	0	0
ABI3	0	0	0
CEP295	0	0	0
TMEM97	0	0	0
IIGP1	0	0	1
CMTM7	0	0	0
ARL15	0	0	1
BEX1	0	0	0
CCDC189	0	0	0
CENPU	0	0	0
D630045J12RII	0	0	0
ATP5K	0	0	0
TM9SF3	0	0	0
LEKR1	0	0	1
TADA3	0	0	0
ZDHHC20	0	0	0

GM18009	0	0	0
GM3298	0	0	0
ADAM23	0	0	0
ERLIN2	0	0	1
WDR78	0	0	0
BRD3OS	0	0	0
GAREM2	0	0	0
THUMPD2	0	0	0
DVL2	0	0	0
RTRAF	0	0	0
BOC	0	0	0
ATP5G1	0	0	0
CTNNBIP1	0	0	0
UMPS	0	0	0
CHST1	0	0	0
SEMA4A	0	0	0
JADE2	0	0	0
RRAS	0	0	0
SMG9	0	0	0
ADAMTSL2	0	1	0
ZFP235	0	0	0
NAPB	0	0	0
AGMO	0	0	0
UACA	0	0	1
PHF1	0	0	0
SLC26A1	0	0	0
DNAJC10	0	0	0
CERS5	0	0	0
GM21244	0	0	0
SLC16A2	0	0	0
ZFP775	0	0	0
TDP1	0	0	0
HNRNPM	0	0	0
IL5	0	0	0
TSPYL1	0	0	0
PAK6	0	0	0
CAMK1G	0	0	0
TAF11	0	0	0
BCL2	0	0	0
KRTAP28-13	0	0	0
CBLL1	0	0	0
TSPAN32	0	0	0
RAD9B	0	0	0
MCM6	0	0	0
TRAF7	0	0	0
FAR1	0	0	1
OLFR734	0	0	0
TCAF1	0	0	0
TAF1B	0	0	0
MRPS35	0	0	0

SELENON	0	0	0
B230307C23RI	0	0	0
PHGDH	0	0	0
SH3GL2	0	0	0
REPS2	0	0	0
NEMP1	0	0	0
CCDC127	1	0	0
GBP3	0	0	1
CBX1	0	0	0
PCDHB17	0	0	0
PDCD1	0	0	0
SCFD2	0	0	0
APBA2	0	0	0
GTPBP1	0	0	0
CEP76	0	0	0
RNF114	0	0	0
CCDC163	0	0	0
ZFP970	0	0	1
RFTN1	0	0	0
FKBP4	0	0	0
WHAMM	0	0	0
AKT3	0	0	0
GM11627	0	0	0
MIOS	0	0	0
MED30	0	0	0
CAAP1	0	0	0
UQCRQ	0	0	0
EME2	0	0	0
MRPS25	0	0	0
LRRN4	0	0	0
CENPS	0	0	0
CCNE1	0	0	0
AATF	0	0	0
ICE2	0	0	0
IGFBP6	0	0	0
PHKA2	0	1	1
GABPB2	0	0	0
BACE1	0	0	0
TNFRSF10B	0	0	0
TREML4	0	0	0
DEDD2	0	0	0
OLFR1336	0	0	0
PTCH1	0	0	0
WNT2B	0	0	0
ENSMUSG000C	0	0	0
AKR1B3	0	0	0
GM3139	0	0	0
GM3183	0	0	0
CYBB	0	0	0
CD86	0	0	0

SPSB2	0	0	0
GM19410	0	0	0
CRY2	0	0	0
KATNAL1	0	0	0
NAP1L5	0	0	0
GM16016	0	0	0
BANP	1	0	1
PLEKHS1	0	0	0
TMEM168	0	0	0
JMY	0	0	0
MSI2	0	0	0
NDUFA8	0	0	0
SSX2IP	0	0	0
TIGD2	0	0	0
BCAT1	0	0	0
PKP3	0	0	0
ADGRV1	0	0	0
ICAM4	0	0	0
SLC5A4B	0	0	0
EXOC3L	0	0	0
PLCL1	0	0	0
SP140	0	0	0
SGCE	0	0	0
RSL1D1	0	0	0
RC3H2	0	0	0
A830018L16RII	0	0	0
CUL7	1	0	0
FAM57A	0	0	0
DOCK8	0	0	0
TMEM56	0	0	0
GM7285	0	0	0
ARHGAP31	0	0	0
WIF1	0	0	0
ZFP583	0	0	0
GUCA1A	0	0	0
SLC39A9	0	0	0
IPCEF1	0	0	0
GM5590	0	0	0
GPR39	0	0	1
DGKZ	0	0	0
MMADHC	0	0	0
ABRAXAS1	0	0	0
ANO5	1	0	0
PLCD4	0	0	0
GM18646	0	0	0
GM7785	0	0	0
STAP2	0	0	0
KLHL22	0	0	0
ZBTB7A	0	0	0
IFNAR2	0	0	1

SPRY1	0	0	0
CD83	0	0	0
SLC15A4	0	0	0
BRCA2	0	0	0
UPK3B	0	0	0
A930017M01R	0	0	0
NUDT21	0	0	0
PICK1	1	0	0
GM20449	0	0	0
CD300LG	0	0	0
OAT	0	0	0
NECAB1	0	0	0
QDPR	0	0	0
ORC1	0	0	0
OLFR12	0	0	0
ACTL6A	0	1	0
FAM20C	0	0	0
GM14421	0	0	0
PSMB10	0	0	0
KCTD2	0	0	0
PLSCR3	0	0	0
TEX10	0	0	0
IMPACT	1	0	0
KSR1	0	0	0
CCDC157	0	0	0
SLC25A46	0	0	0
NIN	0	0	0
GM12338	0	0	0
PIAS3	0	0	0
URGCP	0	0	0
ATIC	0	0	0
GM14863	0	0	0
DNASE2A	0	0	1
RIOX2	1	0	0
FOXF1	0	0	0
TMEM8	0	0	0
DNAJC14	0	0	1
MMP24	0	0	0
GM43850	0	0	0
CHEK1	0	0	0
RDH11	0	0	0
NAA16	0	0	0
NFE2L1	0	0	0
GM13863	0	0	0
HSH2D	0	0	0
AGO3	0	0	0
TDGF1	0	0	0
MSH3	0	0	0
5730409E04RII	0	0	0
BTBD11	0	0	1

MFN1	0	1	1
ALMS1	0	0	1
KPNA6	0	0	0
CORO2B	0	0	0
CCT4	0	0	0
ITGB5	0	0	1
KLF5	0	0	0
CCNB2-PS	0	0	0
ABHD6	0	0	0
CASC3	1	1	0
GM15626	0	0	0
MED25	0	0	0
RNF2	0	0	0
CD300LD	0	0	0
PALLD	0	0	0
ZSWIM5	0	0	1
PPFIA1	0	0	0
TRIM17	1	0	0
FBN2	0	0	0
GM31520	0	0	0
EMC3	0	0	0
SERTM1	0	0	0
ENO4	0	0	0
OLFR654	0	0	0
GPR176	0	0	0
NUDT17	0	0	0
TRIM30D	0	0	0
TMEM42	0	0	0
TFRC	0	0	0
MZT1	0	0	0
LCMT2	0	0	0
IRF9	0	1	0
KHSRP	0	0	0
KCNG4	0	0	0
WARS	0	0	0
GM4070	0	0	0
POLR3B	0	0	1
HCRT1	0	0	0
TRIOBP	0	0	1
KCNAB2	0	0	0
LMCD1	0	0	0
PEX6	0	0	0
SEZ6L2	0	0	0
MYBPHL	0	0	0
ART5	0	0	0
IFI27L2A	0	0	0
PCOLCE2	0	0	0
MIB2	0	0	0
HCN4	0	0	0
PPIL4	0	0	0

MBD3L2	0	0	0
KAT2A	0	0	0
STK3	0	0	0
HDGFL2	1	1	1
ING3	1	0	0
XRCC2	0	0	0
ADCY1	0	1	0
EXOC7	0	0	0
SLC7A1	0	0	0
INTU	0	0	0
PAIP2B	0	0	0
ANO6	0	0	0
CGNL1	0	0	0
BACH1	1	0	0
ASPDH	0	0	0
MLST8	0	0	0
LTN1	0	0	0
CARS2	0	0	0
IL22RA1	0	0	0
RALGPS2	0	0	0
USP21	0	0	0
GGNBP1	0	1	0
SMIM15	0	0	0
SAMHD1	0	0	0
USP15	0	0	0
LIFR	0	0	1
SH2D2A	0	0	0
HSPA4L	0	0	0
FBXL16	0	0	1
IGHD	0	0	0
RASL12	0	0	0
IBA57	0	0	0
RGS6	0	0	1
GUCY1A2	0	0	0
ERICH3	0	0	0
CRADD	0	0	0
9930021J03RIK	0	0	0
SNAP29	0	0	0
CCDC58	0	0	0
GM12889	0	0	0
DGKE	0	0	0
DBF4	0	0	0
UST	0	0	0
HIF1A	1	1	1
DOHH	0	0	0
IER5L	0	0	0
CCDC169	0	0	0
NDUFB4C	0	0	0
TMUB2	1	0	0
TMEM70	0	0	0

GM20605	0	0	0
AVPI1	0	0	0
VASH2	0	0	0
GALK2	0	0	0
ZAN	0	0	0
GM14296	0	0	0
CSPRS	0	0	0
NPM2	0	0	0
TRHDE	0	0	0
GM8226	0	0	0
LARGE1	0	0	0
LAMTOR5	0	0	0
ZFP930	0	0	0
TMEM59	0	0	0
RAB7B	0	0	0
4933430I17RIK	0	0	0
B3GALNT2	0	0	0
TTC36	0	0	0
CTF2	0	0	0
FOXP4	0	0	0
MFSD4A	0	0	0
MED23	1	0	0
PKIB	0	0	0
CPSF2	0	0	1
ISG20L2	0	0	1
PRR22	0	0	0
ZFP964	0	0	0
TENT4A	0	0	0
FAM160B2	0	0	0
FJX1	0	0	0
GM6092	0	0	0
ZFP874A	0	0	0
GM47932	0	0	0
GM6611	0	0	0
ABCA8A	0	0	0
MBD2	0	0	0
TMEM81	0	0	0
RAB27B	0	0	0
GCA	0	0	0
ENSMUSG000C	0	0	0
RDH14	0	0	0
KLF3	0	0	1
PIPOX	0	0	0
ZMYND10	0	0	0
LUZP2	0	0	1
HPGD	0	0	0
BAZ2B	0	0	0
TPCN2	0	0	0
HUNK	0	0	1
GM14137	0	0	0

CXCR1	0	0	0
GPRC5B	0	0	0
BCKDK	0	0	0
TNPO1	0	0	0
GM21399	0	0	0
IGKC	0	0	0
ZBTB11	0	0	0
PMEPA1	0	0	0
WSCD1	0	0	0
VASH1	0	0	0
TBRG4	0	0	0
MARF1	0	0	0
INTS11	0	0	0
RSC1A1	0	0	0
MYO1A	0	0	0
NLE1	0	0	0
NDUFA12	0	0	0
RPL13-PS1	0	0	0
DCK	0	0	0
TMEM206	0	0	0
TET2	0	0	0
ANGPT4	0	0	0
PLEKHA4	0	0	0
RERE	0	0	1
GM18609	0	0	0
GM10762	0	0	0
HNRNPL	1	1	1
LRRC8A	0	0	0
RNF121	0	0	0
MRPS30	0	0	0
DAAM2	0	0	0
UBE2R2	1	0	0
RTN4RL1	0	0	1
MYCBP	0	0	0
FITM1	0	0	0
ARMC1	0	0	0
KLHL4	0	0	0
LMOD2	1	1	0
IQCE	0	0	0
CBLB	0	0	1
SOCS6	0	0	0
ADAMTS10	0	0	1
PRCD	0	0	0
WDR93	0	0	1
POLE4	0	0	0
ATP5G3	0	0	0
ACVRL1	0	0	1
PLEKHB2	0	0	0
1700067K01RI	0	0	0
GM11110	0	0	0

GNG2	0	0	0
TKT	1	1	0
EQTN	0	0	0
PP2D1	0	0	0
CCDC32	0	0	0
TMEM178B	0	0	0
NEBL	0	0	0
2010111I01RIK	1	1	1
ALG11	0	0	0
SLCO5A1	0	0	0
METTL13	0	0	0
NOVA2	1	0	0
GPR146	0	1	1
SYPL	0	0	0
PIRT	0	0	0
CLPX	0	0	0
SMARCD3	0	0	0
MFGE8	0	0	0
LRRC20	0	0	1
DNM3	0	0	0
PRR13	0	0	0
CCND1	0	0	0
DENND5B	0	0	0
GPATCH2L	0	0	0
ANXA9	0	0	0
PALM3	0	0	1
AFG3L2	0	0	0
GOT2-PS1	0	0	0
MYBL2	0	0	0
CKLF	0	0	0
HPN	0	0	0
ETV4	0	0	0
WASHC5	0	0	0
NOB1	0	0	0
SIVA1	0	0	0
ALOX15	0	0	0
TMEM268	0	0	0
ORC2	0	0	0
GM10778	0	0	0
C920009B18RI	0	0	0
SMG7	0	0	0
GSTCD	0	0	0
NDUFC2	0	0	0
DKK1	0	0	0
HES3	0	0	0
SPAG7	0	0	0
PHOX2A	0	0	0
LAD1	0	0	0
GM17546	0	0	0
CIB2	0	0	0

CD209A	0	0	0
RAMAC	0	0	0
FTH1	1	0	0
AKIRIN1	0	0	0
OLFR212	0	0	0
ZFP119A	0	0	0
HRC	0	0	0
DLG3	0	0	1
SCX	0	0	0
GM5640	0	0	0
ERCC1	0	0	0
MFSD2A	0	0	0
CGREF1	0	0	0
GM6863	0	0	0
TLR7	0	0	0
H2-K2	0	0	0
ARFRP1	0	0	0
TAL2	0	0	0
ZBTB24	0	0	0
CAR5B	0	0	0
SPTSSA	0	0	0
ADAMTS6	0	0	1
SLC25A2	0	0	0
CCDC57	0	0	0
TMEM106A	0	0	0
FBLN7	0	0	1
SLC13A4	0	0	0
CCDC122	0	0	1
TMEM43	0	0	0
PNPLA3	1	0	0
ZFP59	0	0	0
GM9887	0	0	0
TMEM169	0	0	1
WDR20	0	0	0
FYB2	0	0	0
CLEC10A	0	0	0
ATP6V0A2	0	1	0
D3ERTD254E	0	0	0
GM43587	0	0	0
TUBB5	0	0	0
LY86	0	0	0
SNAPC5	0	0	0
DOP1B	0	0	0
CYFIP2	0	0	0
SAA1	0	0	0
PARD6A	0	0	0
PGM2	0	0	1
SUMF1	0	0	0
FANCL	0	0	0
WDR72	0	0	0

KLHL9	0	0	0
GM47102	0	0	0
TMEM205	0	0	0
DEXI	0	0	0
CYCS	0	0	0
NPR3	0	0	0
IGSF1	0	0	0
RENBP	0	0	0
KLHL2	0	0	0
RIOX1	0	0	0
ARHGAP4	0	0	0
1700019D03RI	0	0	0
1700047I17RIK	0	0	0
DDX41	0	0	0
TMEM185A	0	0	0
RPGR	0	0	0
GM6565	0	0	0
VMN1R-PS128	0	0	0
SLC19A3	0	0	0
LRRC29	0	0	0
EXOSC7	0	0	0
SFT2D2	0	0	0
AGPAT5	0	0	0
LDHD	0	0	0
SERPINA9	0	0	0
RP1	0	0	0
SHCBP1	0	0	0
4933408B17RI	0	0	0
MINDY4	0	0	0
RAB18	0	0	0
HBP1	0	0	0
DDOST	0	0	0
TLL1	0	0	0
PCID2	0	0	0
OLFR1310	0	0	0
ZGRF1	0	0	0
GPR55	0	0	0
TSPOAP1	0	0	0
WDFY1	0	0	0
PIK3CB	0	0	0
SS18L1	0	0	0
BUB3	0	0	0
ATXN7	0	0	1
BTNL2	0	0	0
AHI1	0	0	0
GHDC	0	0	0
TUBB4A	0	0	0
ECE1	0	1	0
THAP7	0	0	0
UPF3A	0	0	0

NCS1	0	0	0
TMEM139	0	0	0
MZF1	0	0	0
ZCCHC9	0	0	0
4933427I04RIK	0	0	0
SMPD5	0	0	0
WNT11	0	0	0
CACNG1	0	0	0
GM48789	0	0	0
EGR3	0	0	0
LAMP2	0	0	0
RPL15-PS3	0	0	0
4930415O20RI	0	0	0
DUS2	0	0	1
ACER3	0	0	0
LIPG	0	0	0
BRD2	0	0	0
CALHM2	0	0	0
IFT74	0	0	0
RNF157	0	0	0
KCTD15	0	0	0
GM13784	0	0	0
SLC2A8	0	0	0
CNKS3	1	0	0
SSBP2	1	0	1
HSPD1	0	0	0
ARL8A	0	0	0
DDIAS	0	0	0
ACYP1	0	0	0
GFOD2	0	0	0
MPZ	0	0	0
OLFR1105	0	0	0
PHLDA3	0	0	0
RAB35	0	0	0
SPC25	0	0	0
RHOT1	0	1	1
GM9922	0	0	0
SRP68	0	0	0
FNDC3B	0	0	0
TRAPPC10	0	0	0
EFCAB11	0	0	0
RPL17-PS5	0	0	0
GM6981	0	0	0
NAIP6	0	0	0
STX4A	0	1	0
LRRC32	0	0	0
HOOK1	0	0	0
SCAF4	0	0	0
TTC39D	0	0	0
UQCR11	0	0	0

IQCC	0	0	0
TSEN54	0	0	0
INPPL1	0	0	0
LRRC4	0	0	0
MRPS28	0	0	0
CAMK2D	1	1	1
GM8369	0	0	0
RAB19	0	0	0
TBC1D14	0	0	0
MAPT	0	0	0
MTCP1	0	0	0
HIF3A	0	0	0
PEMT	0	0	0
UBXN11	0	0	1
SEMA7A	0	0	0
AASDH	0	0	0
TMEM101	0	0	0
FGFR3	0	0	0
DDX20	0	0	0
LGI4	0	0	0
E2F8	0	0	0
CEBPG	0	0	0
B4GALT1	0	0	0
PANX1	0	0	0
TIRAP	0	0	0
BIRC3	0	0	0
TEK	0	0	0
IL10	0	0	0
TRNAU1AP	0	0	0
TEAD3	0	0	0
LAPTM4A	0	1	1
CKS2	0	0	0
CCNC	0	0	0
KANSL3	0	0	0
UBE2E2	0	0	0
ADCY10	0	0	0
A3GALT2	0	0	0
ZFP397	0	0	0
GM28661	0	0	0
DZIP1	0	0	0
TRUB2	0	0	0
GFER	0	0	0
GM13331	0	0	0
PLP1	0	0	0
DYNC1I1	0	0	0
GM10221	0	0	0
ZFP68	0	0	0
KIF3C	0	0	0
TOR1A	0	0	0
GM10040	0	0	0

UBR1	0	0	0
COPRS	0	0	0
CEP78	0	0	0
USP54	0	0	0
ADGRF2	0	0	0
RNF41	0	0	0
GM6030	0	0	0
FAM53C	1	0	0
DCLK1	0	0	0
ZMYM5	0	0	0
MGARP	0	0	0
ITGB6	0	0	0
BCL2L1	0	0	0
GBP5	0	0	0
SEC23A	0	0	0
ZFP160	0	0	0
GM1673	0	0	0
RAB3GAP1	0	0	1
PABPC1L2B-PS	0	0	0
ZDHHC7	0	0	0
ACKR1	0	0	0
TBC1D10B	0	0	0
DRG2	0	1	0
OLFR976	0	0	0
PDGFA	0	0	0
GM7972	0	0	0
GM12091	0	0	0
OLFR149	0	0	0
STX3	0	0	0
ZFP551	0	0	0
ANPEP	0	0	0
LETM1	0	0	0
FAM102B	0	0	0
D430019H16RI	0	0	0
E2F3	0	0	0
MAP3K10	0	0	0
ANKFY1	0	0	1
MED24	0	0	0
PQBP1	0	0	0
ZC3H7A	0	0	0
CDH11	0	0	0
ZFP862-PS	0	0	0
ZFP473	0	0	0
HECTD3	0	0	0
DNAAF2	0	0	0
USP5	0	0	0
BC106179	0	0	0
AP1S3	0	0	0
PRELID3B	0	0	0
TTC32	0	0	0

INO80B	0	0	0
CCL5	0	0	0
DHRS7C	0	0	1
ABCA9	0	0	0
TOMM5	0	0	0
ZFP790	0	0	0
UNK	0	1	0
DGKB	0	0	1
EFS	0	0	0
RNF6	0	0	0
TMIGD3	0	0	0
EML4	0	0	0
CDH3	0	0	0
ENSMUSG000C	0	0	0
ENSMUSG000C	0	0	0
GM43498	0	0	0
ARHGAP8	0	0	0
PRKAR1B	0	0	0
GM10136	0	0	0
TDRD5	0	0	0
CALCRL	0	0	0
SLAMF9	0	0	0
ZFP512B	0	0	0
FAM53A	0	0	0
MAMLD1	0	1	0
TXLNA	0	0	0
VPREB3	0	0	0
9230104M06R	0	0	0
TMEM30B	0	0	0
H2AFX	0	0	0
PAPOLG	0	0	0
CECR2	0	1	0
KXD1	0	0	0
EEF2	1	1	1
TPGS1	0	0	0
NTSR2	0	0	0
SIK3	0	1	1
MGAT4B	1	1	0
CSE1L	0	0	0
COG4	1	0	0
EVPL	0	0	0
PRICKLE4	0	0	0
NKAIN2	0	0	0
ZMYM4	0	0	0
YBEY	0	0	0
TOMM40	0	0	0
C9ORF72	0	0	0
HILPDA	0	0	1
PLEKHF2	0	0	0
TUT1	0	0	0

DEFB42	0	0	0
BRF2	0	0	0
MDC1	0	0	0
ZCCHC24	0	0	0
PCBP3	0	0	0
TWSG1	0	0	0
TMEM88B	0	0	0
SEC31B	0	0	0
AI854703	0	0	0
FPGS	0	0	0
ITGB4	0	0	0
CDCA4	0	0	0
BC030499	0	0	0
FGF10	0	0	0
FDFT1	0	0	0
MDM4	0	0	0
ENSMUSG000C	0	0	0
INSYN1	0	0	0
HAUS6	0	0	0
FANCC	0	0	0
PCGF6	0	0	0
DKK2	0	0	0
ASF1A	0	0	0
FER1L6	0	0	0
CDH17	0	0	0
STPG2	0	0	0
CFAP97	0	0	0
1700020D05RI	0	0	0
TMEM132B	0	0	0
CDK20	0	0	0
CCT6B	0	0	0
MAPK12	0	0	0
NOP56	1	1	1
MASP1	0	0	0
PCBD1	0	0	0
HIGD1A	0	0	0
CCDC125	0	0	0
CCDC114	0	0	0
AGGF1	0	0	0
ISCA2	1	0	0
GM5466	0	0	0
SPATA7	0	0	0
2610318N02RI	0	0	0
GDF10	0	0	0
AASDHPPT	0	0	0
YARS2	0	0	0
GM38392	0	0	0
CEACAM12	0	0	0
TRIB3	0	0	0
ZDHC9	0	0	0

PDE8B	0	0	0
ARIH1	0	0	0
1700025G04RI	0	0	0
SSPO	0	0	0
LRRC3	0	0	0
NDUFV3	0	0	0
DMWD	0	1	1
HPDL	0	0	0
9130230L23RII	0	0	0
EPSTI1	0	0	0
TRP53RKA	0	0	0
SLC38A10	0	0	0
IL13RA1	0	0	0
PARP6	0	0	0
GSTM6	0	0	0
TMEM44	0	0	0
MANEA	0	0	0
MARS2	0	0	0
EPB41L1	0	0	0
EEFSEC	0	0	0
UPP1	0	0	0
BOK	0	0	0
LEF1	0	0	0
RHOF	0	0	0
SLC41A2	0	0	0
SCN4B	0	0	0
CACNB4	0	0	0
PDS5B	0	1	1
GM10175	0	0	0
MCM5	0	0	0
DACT1	0	0	0
1700028B04RI	0	0	0
VPS33B	0	0	0
KLHDC2	0	0	0
GRK4	0	1	1
GM42791	0	0	0
CAVIN3	0	0	0
GM4924	0	0	0
PRUNE1	0	0	0
GM10941	0	0	0
TRMT5	0	0	0
MYOF	0	0	0
CLU	1	1	1
SCRN3	0	0	0
4932438H23RI	0	0	0
FBXW4	0	0	0
IFT22	0	0	0
CLEC1A	0	0	0
SAMD11	0	0	0
ZFP839	0	0	0

ZFP26	0	0	0
GM44821	0	0	0
PFKFB3	0	0	0
EGFL7	1	0	0
MAGED2	0	0	0
ARVCF	0	0	0
DMRTA2	0	0	0
CAB39	0	0	0
FANCI	0	0	0
PORCN	0	0	0
GM3084	0	0	0
FFAR2	0	0	0
DNAH8	0	0	0
ZFP523	0	0	0
PRKCA	0	0	0
ILK	1	0	0
ZFP143	0	0	1
GM12941	0	0	0
NUP54	0	0	0
ENG	0	0	0
MX2	0	0	0
GM21833	0	0	0
ASXL2	0	1	1
MCM9	0	0	0
IQCG	0	0	0
ARHGEF5	0	0	1
JCHAIN	0	0	0
GANAB	0	0	1
DAND5	0	0	0
NMRK1	0	0	0
BTBD6	0	0	0
ZSWIM6	0	0	0
PCYT2	0	0	0
GM15694	0	0	0
ODF3B	0	0	0
ZFP607B	0	0	0
VDAC1	0	1	1
CFAP36	0	0	0
VMN2R1	0	0	0
APOO-PS	0	0	0
MPHOSPH6	0	0	0
JUP	0	0	0
PLEC	0	0	0
PCARE	0	0	0
CENPJ	0	0	0
MMS19	0	0	0
STARD10	0	0	0
PHF3	0	0	0
VPS54	0	0	0
GM42878	0	0	0

TMTC3	0	0	0
LY6A	0	0	0
ADPRH	0	0	0
CDK5R1	0	0	0
DCST1	0	0	0
GM11756	0	0	0
VAC14	0	0	0
CD276	0	0	0
GRK5	0	0	1
FZD1	0	0	0
SCAMP3	1	0	0
ASB11	0	0	0
TMEM33	0	0	1
DRAM2	0	0	0
SNAPC3	1	1	1
KTN1	0	0	1
TAGLN	0	0	0
CYP2B10	0	0	0
AIF1L	0	0	0
ZFP185	0	0	0
TFAP2A	0	0	0
SMAD6	0	0	0
ACVR1B	0	1	0
KCP	0	0	0
CRTC1	0	0	0
OLFR11	0	0	0
CD38	0	0	0
ZFP202	0	0	0
RSBN1L	0	0	0
GM11263	0	0	0
CCNK	0	0	1
KCNH1	0	0	0
TMEM86B	0	0	0
IQSEC3	0	0	0
SLC22A13	0	0	0
TCF7	0	0	0
TTBK1	0	0	0
SLA2	0	0	0
MORN1	0	0	1
CDCA7	0	0	0
DCAF17	0	0	0
TTC41	0	0	1
PAPSS1	0	0	0
ZCRB1	0	0	0
PSG16	0	0	0
HEXDC	0	0	0
POR	0	0	0
APBB2	0	0	0
UBE2D2A	0	1	1
DAP3	0	0	0

ZFP692	0	1	0
SNX27	0	0	0
DNAJA4	0	0	0
GOLGA7B	0	0	0
MAGED1	0	0	0
PAICS	0	0	0
RAB33B	0	0	1
CLVS2	0	0	0
GOLGB1	1	0	0
LAMC1	0	0	0
APLNR	0	0	0
RPS6KA4	0	0	0
MTG2	1	0	1
FAM83G	0	0	0
MSANTD2	0	0	0
CEMIP	0	0	0
ADAP2	0	0	0
TAB3	0	0	0
MBOAT7	0	0	0
TFDP1	0	0	0
GM18733	0	0	0
OLFR728	0	0	0
GFRA4	0	0	0
ARSA	0	0	0
MAN1B1	0	0	0
MFSD4B5	0	0	0
SASH1	0	0	0
DDN	0	0	0
TMEM263	0	0	0
GM29609	0	0	0
MCCC1	0	0	0
IDNK	0	0	0
RAD17	0	0	0
CD1D1	0	0	0
SF3B2	0	0	0
STRADB	0	0	0
EXT2	0	0	0
GATA1	0	0	0
LZTR1	0	0	0
GKN3	0	0	0
CTCF	0	0	1
ITGA11	0	0	0
PLXNA3	0	1	0
CCDC18	0	0	0
AMIGO3	0	0	0
GM14150	0	0	0
9330159F19RII	0	0	0
PEX19	0	0	0
FMOD	0	0	0
NFKBIA	0	0	0

TNFRSF23	0	0	0
ZFP981	0	0	0
RBFA	0	0	0
CEBPZOS	0	0	0
GM9747	0	0	0
SPTA1	0	0	0
2210016L21RII	0	0	0
ARMCX4	1	0	0
FHL4	0	0	0
ST8SIA1	0	0	0
SRM	0	0	0
39326	0	0	0
MIA	0	0	0
TNS3	0	0	0
MUC5B	0	0	0
MBD5	1	0	0
MSRB1	0	0	0
DNAJC8	1	0	0
SSU2	0	0	0
AMN	0	0	0
KCNIP3	0	0	0
ARC	0	0	0
P4HA3	0	0	0
SLC6A20A	0	0	0
GM4951	0	0	1
GDE1	0	0	0
YTHDC1	1	1	0
GSS	0	0	0
EPB41L4B	0	0	0
NF2	0	0	0
FGF2	0	0	0
QTRT2	0	0	0
SLC9A3	0	0	0
NASP	0	0	0
ATP8A2	0	0	0
MATN2	0	0	0
FRMD7	0	0	0
CDCA5	0	0	0
MFSD2B	0	0	0
GM20425	0	0	0
TFAM	0	0	0
RBM22	0	0	0
ZFP933	0	0	0
WFDC21	0	0	0
METAP1	0	0	0
SEMA6B	0	0	0
SERPINB1B	0	0	0
GPRC5A	0	0	0
LURAP1L	0	0	0
TNNC1	0	0	1

CYP4F17	0	1	1
IFI27L2B	0	0	0
CARMIL2	0	0	0
ZFP976	0	0	0
UTP6	0	0	0
MRPL3	0	1	0
VPS39	0	0	0
NRDE2	0	0	0
SIPA1L2	0	0	0
PPP1R1B	0	0	0
LSM3	0	0	0
HIST2H2AC	0	0	0
YBX1	0	0	0
RAP2A	0	0	1
TULP1	0	0	0
REM1	0	0	0
RGS1	0	0	0
ZFP553	0	0	0
GM45871	0	0	0
SLC44A3	0	0	0
BMYC	0	0	0
MDFI	0	0	0
TNRC6A	0	1	1
RABAC1	0	0	0
HIST1H2AG	0	0	0
INHBA	0	0	1
NOL4	0	0	0
EVC	0	0	0
NUP153	0	0	0
ADRM1	0	0	0
SKINT3	0	0	0
PSG23	0	0	0
ZFP760	0	0	0
USE1	0	0	0
CDC37L1	1	0	1
GULP1	0	0	0
SNURF	0	0	0
PERP	1	0	0
RGS19	0	0	0
4932438A13RI	0	0	0
MTERF4	0	0	0
MYOCD	0	0	0
RTN1	0	0	0
CCNT2	1	1	1
ATG3	0	0	0
MFN2	0	0	0
TOMM34	0	0	0
STARD3	0	0	0
BAG6	0	0	0
GM6206	0	0	0

GBP4	0	0	0
H2-AA	0	0	0
HYI	0	0	0
GM19065	0	0	0
GLDC	0	0	0
CCDC148	0	0	0
STAB2	0	0	0
CERS3	0	0	0
TTC19	1	0	1
GM4149	0	0	0
TRUB1	0	0	0
LTO1	0	0	0
PIM3	0	1	0
UBE2B	0	0	0
PDCD11	0	0	0
ADAP1	0	0	0
EEF1AKMT3	0	0	0
RAD52	0	0	0
CHRNA10	0	0	0
IKBKB	0	0	0
UBE2Z	0	0	0
GALNT15	0	0	0
SLC25A27	0	0	0
PBRM1	0	0	1
AKAP5	0	0	0
SLC4A11	0	0	0
LMLN	0	0	0
TGFBR2	0	0	0
CUL4A	0	1	0
PPP2R5A	0	0	0
SOX18	0	0	0
TECPR1	0	0	0
MUS81	0	0	0
EXOSC3	0	0	0
SHISA4	0	0	0
FAM222B	0	0	0
GM45038	0	0	0
CASS4	0	0	0
KLRB1B	0	0	0
SP3	0	0	0
YEATS2	0	0	0
CENPW	0	0	0
LARP6	0	0	0
METTL25	0	0	0
QPCT	0	0	0
1190002N15RI	0	0	0
2410004B18RI	0	0	0
BC025920	0	0	0
POLI	0	0	0
PLAT	0	0	0

GGNBP2	0	0	0
NOTUM	0	0	0
PDE5A	0	0	1
ZNF41-PS	0	0	0
2510002D24RI	0	0	0
PCDHB14	0	0	0
TG	0	0	1
MAN2A1	1	0	0
SCD4	0	0	0
MTIF3	0	0	0
TMEM196	0	0	0
TIGD5	0	0	0
NHS	0	0	0
RGS10	0	0	0
GM38158	0	0	0
RCN1	0	0	0
HS3ST3A1	0	0	1
AMIGO1	0	0	0
FRMD4B	0	0	0
5430419D17RI	0	0	0
TADA2A	0	0	0
GM14295	0	0	0
RAB44	0	0	0
NR1H3	0	0	0
ARAP2	0	0	0
PBX2	0	1	0
PARP2	0	0	1
TOGARAM1	0	0	0
A430033K04RI	0	0	0
RRP9	0	0	0
BCAP29	0	0	0
GM13717	0	0	0
SHANK3	0	0	0
GM20594	0	0	0
IFT88	0	0	0
KPNA3	0	0	0
UCHL1	0	0	0
FABP3-PS1	0	0	0
GUF1	0	0	0
THAP8	0	0	0
ATP23	0	0	0
TRIM21	0	0	0
2010001K21RI	0	0	0
ETNK1	0	0	1
RGS22	0	0	0
PTPN2	0	0	0
RCC1L	0	0	0
USP19	0	1	0
POLD1	0	0	0
XRCC3	0	0	0

GM10131	0	0	0
ADAMTS19	0	0	0
XRCC6	0	0	1
MRPL36	0	0	0
RTL4	0	0	1
SLC30A2	0	0	0
UBQLN1	0	0	0
CUX1	0	0	0
CNTN2	0	0	0
ADAMTSL5	0	0	0
DNAJB5	1	0	0
GTF3C4	0	0	0
RNPEPL1	0	0	1
TMOD3	0	0	0
CPSF1	0	0	0
NOL8	0	0	1
CYP4F14	0	0	0
ZC3H8	0	0	0
TMEM50A	0	0	0
MAP9	0	0	0
CDK13	0	0	0
BMPR1B	0	0	0
ATP11B	0	0	0
GNAI1	0	0	0
SHE	0	0	0
GM35549	0	0	0
GGT7	0	0	0
WDR83	0	0	0
ZFP433	0	0	0
SOGA1	0	0	0
TRIM41	0	0	0
CCDC85B	0	0	0
CHST14	0	0	0
RAB20	0	0	0
LRIT3	0	0	0
WDR37	0	0	0
PPP1CCB	0	0	0
NUDT2	0	0	0
ADRA2B	0	0	0
TPK1	0	0	0
LIMK2	0	0	0
AC132444.6	0	0	0
SUN2	0	0	0
COL6A1	0	0	0
PMPCA	0	1	0
USHBP1	0	0	0
ZCCHC10	0	0	0
RPL17-PS4	0	0	0
AMMECR1L	0	0	0
KLF4	0	0	0

RNFT2	0	0	0
EARS2	0	0	0
CAV2	0	0	0
DHRS11	0	0	0
WDR38	0	0	0
ATP5F1	0	0	0
PPP3R1	0	0	0
5031439G07RI	0	0	0
TIA1	0	0	0
LRIG1	0	0	0
COL4A2	1	1	1
NTMT1	1	0	0
MOB3C	0	0	0
CHTF8	0	0	0
NAAA	0	0	0
ARL16	0	0	0
ATP5A1	1	1	0
SRD5A3	0	0	0
PLXNA1	0	0	0
SPSB1	0	0	0
RPL17-PS9	0	0	0
YIPF7	0	0	0
MYO1B	0	0	0
SAV1	0	0	0
QRFP	0	0	0
SNX3	0	0	0
GM37515	0	0	0
PCDHGA10	0	0	0
GUCA2A	0	0	0
HIST2H2AB	0	0	0
KMT2C	0	0	0
SMARCA1	0	0	0
RRN3	0	0	0
KCNA6	0	0	0
FZD8	0	0	0
MYO15	0	0	0
SNX7	0	0	0
TGS1	0	0	0
PDIA6	0	0	1
BMP4	0	0	0
ZHX2	0	0	0
PPARG	0	0	0
NEURL1B	0	0	0
IRF1	0	0	0
RPP14	0	0	0
LRP10	1	0	0
LRRC14	0	0	0
MAP2	0	0	0
SHOC2	0	0	0
CENPM	0	0	0

INTS13	0	0	0
CLDND1	0	0	0
ARL8B	0	0	1
RXFP1	0	0	0
ALDH1B1	0	1	0
ABCB1A	0	0	0
ENSMUSG000C	0	0	0
PRKCD	0	0	0
P2RY2	0	0	0
ARFGEF3	0	0	0
MXI1	0	0	0
HIST2H3C2	0	0	0
PPP4R2	0	0	0
ABI2	1	0	1
CBWD1	0	0	0
WDR19	0	0	0
XIRP1	0	0	0
COX4I1	0	0	1
ZFX	0	0	0
TMEM14A	0	0	0
CMTM5	0	0	0
GM9260	0	0	0
HIC2	0	0	0
ALPK1	0	0	0
STC1	0	0	0
NDUFB2	0	0	0
FRRS1	0	0	0
CHRM4	0	0	0
DYNLT1F	0	0	0
CGAS	0	0	0
MFAP1A	0	0	0
PDE9A	0	0	0
E330021D16RI	0	0	0
TGFB3	0	0	0
SYNJ2	0	1	0
KDM6A	0	1	1
UCP2	1	0	0
PRKAG2	0	0	0
ICOSL	0	0	0
CCDC30	0	0	0
FMNL1	0	0	0
CYP4F16	0	0	0
6820408C15RI	0	0	0
CXXC4	0	0	1
SPDYA	0	0	0
MYO9B	0	1	0
GGH	0	0	0
FBXO40	0	0	0
HERPUD2	0	0	0
TRPM3	0	0	0

GABRR2	0	0	0
CEP57L1	0	0	0
KCTD21	0	0	0
PTPRF	0	0	0
POLD2	0	0	0
TMEM252	0	0	0
GM1141	0	0	0
KIF3B	0	0	0
BICRAL	0	0	0
FOXK1	0	0	0
RASSF7	0	0	0
SQOR	0	0	0
MAATS1	0	0	0
HIST1H1C	0	0	0
CCDC174	0	0	0
GPB1	0	0	0
REN1	0	0	0
EVA1A	0	0	0
CDC40	0	0	0
ROBO2	0	0	0
ASGR2	0	0	0
TSEN2	0	0	0
CD19	0	0	0
CPTP	0	0	0
RNF208	0	0	0
OPA3	0	0	1
GM9770	1	0	0
FCGRT	0	0	0
CDKL5	0	0	0
CD2BP2	0	0	0
CTIF	0	0	0
SYCE1	0	0	0
ABHD18	0	0	0
BEX3	0	0	0
HERC6	0	0	1
OLFR1192-PS1	0	0	0
CEP57	0	0	0
TMEM262	0	0	0
FAHD2A	0	0	0
NDUFAB1	0	0	0
EPHB3	0	0	0
HCN1	0	0	0
HAS1	0	0	0
CDKN2A	0	0	0
ZKSCAN8	0	0	0
GM9480	0	0	0
ALG12	0	0	0
PLCB4	0	0	1
ABCC10	0	0	0
CNNM2	0	0	0

GM7276	0	0	0
B3GALT6	0	0	0
9530068E07RII	0	0	0
GK5	0	0	0
GM3488	0	0	0
FCHO1	0	0	0
COX8B	0	0	0
OLFR63	0	0	0
ISOC2A	0	0	0
GM15807	0	0	0
USP25	0	1	1
VAMP1	0	0	0
WNT5B	0	0	0
NTHL1	0	0	0
PPP1R16B	0	0	0
TXNDC12	0	1	0
TMIE	0	0	0
ZBTB32	0	0	0
GLRX5	0	0	0
RAB22A	0	0	0
GSK3A	0	0	0
1700102P08RII	0	0	0
XNDC1	0	0	0
P2RX1	0	0	0
COPE	0	0	0
SPR	0	0	0
OLFR1156	0	0	0
IFI27	0	0	0
WDR45B	0	0	0
ZMYM3	0	0	0
MAPK14	0	0	1
KBTBD12	0	0	0
SFRP1	0	0	0
HLX	0	0	0
SYCP2	0	0	0
POLR2I	0	0	0
37135	0	0	0
MPHOSPH9	0	0	0
ADAMTSL3	1	0	0
FABP3	1	1	1
LRFN4	0	0	0
REV1	0	0	0
COL16A1	0	1	0
FXVD6	0	0	0
STIM2	0	0	0
RAB6A	0	0	0
CAMK1	0	0	0
TYMS	0	0	0
GM2011	0	0	0
NOTCH3	0	0	0

RNASE1	0	0	0
CES2G	0	0	0
NAIP1	0	0	0
SAMM50	0	0	0
MT-ND5	0	0	0
LYSMD4	0	0	0
CCL8	0	0	0
TMEM109	0	0	0
NOA1	0	0	0
GM21596	0	0	0
GM47283	0	0	0
FKBP1B	0	0	0
RAB24	0	0	0
CAR2	0	0	0
GMPS	0	0	1
RCL1	0	0	0
TSC1	0	0	1
PCDH17	0	0	0
RPS4L	0	0	0
RPS10-PS1	1	0	0
ADORA2B	0	0	0
ALG13	0	0	0
LAP3	0	0	0
B9D1	0	0	0
CCP110	0	0	0
GTF2E1	0	0	0
PLPP5	0	0	0
SEMA5A	1	0	0
PDE6G	0	0	0
TMEM255B	0	0	0
GM47933	0	0	0
TACC1	0	0	0
GAS7	0	0	0
MARCKS	0	0	0
CFAP77	0	0	0
TMEM50B	0	0	0
RIPK1	0	0	0
GM14411	0	0	0
SVOPL	0	0	0
TCF12	0	0	0
CTSB	0	0	0
SLBP	0	0	0
ZBTB33	1	0	0
UROS	0	0	0
RALGPS1	0	0	0
ATP2B2	0	0	0
TSTD2	0	0	0
GM16042	0	0	0
ZFP605	0	0	0
GIT2	0	0	0

ZFP955B	0	0	0
ZFP52	0	0	0
PCDHGA6	0	0	0
MMP2	0	1	0
DOLPP1	0	1	0
ATP6AP1	0	0	0
CAR11	0	0	0
SMIM3	0	0	0
RHOU	0	0	0
HECTD1	0	0	0
LPIN3	0	0	0
NUP37	0	0	0
TESK1	0	0	0
ATG4B	0	0	1
UBA7	1	1	0
CLVS1	0	0	0
GM614	0	0	0
ANKRD13B	0	0	0
GDAP2	0	0	0
PML	0	0	0
THPO	0	0	0
STAC2	0	0	0
GK	0	0	0
APCDD1	0	0	0
MNT	0	1	0
SSNA1	0	0	0
GSTK1	0	0	0
ANKRD54	0	0	0
GM12185	0	0	0
LAGE3	0	0	0
ORMDL1	0	0	0
ARHGEF37	0	0	0
SERINC1	0	0	0
KCNC4	0	0	0
TRDC	0	0	0
HMGCR	0	0	0
ABHD17B	0	0	0
2210418O10RI	0	0	0
PLAG1	0	0	0
ACOT13	0	0	0
WASHC2	0	1	0
CRYBB3	0	0	0
CCNL1	0	0	0
ZFP688	0	0	0
NCLN	0	0	0
STOX2	0	0	0
STK11	1	1	1
PPP3CB	0	0	0
GBE1	0	0	0
TPST2	0	0	0

ZFP874B	0	0	0
MAP1B	0	0	0
TRIM66	0	0	0
FSTL1	1	0	1
ACAD9	0	0	0
MYCT1	0	0	0
OLFR1085	0	0	0
CSPP1	0	0	1
MAP3K6	0	0	0
GM44126	0	0	0
RUBCNL	0	0	0
SELENOM	0	0	0
ZFP983	0	0	0
OAS3	0	0	0
CENPT	0	0	0
OMA1	0	0	0
ATP9B	0	0	0
GCNT4	0	0	0
NAGPA	0	0	0
NDUFAF1	0	0	0
CAMSAP1	0	0	0
ZBED5	0	0	0
DIEXF	0	0	0
GM3248	0	0	0
GPR26	0	0	0
TERF1	0	0	1
ARNT2	0	0	0
AASS	0	0	0
RPS25-PS1	1	0	0
LAX1	0	0	0
TMED7	0	0	0
ABCG3	0	0	0
CEP85	0	0	0
LYZ1	0	0	0
UFL1	0	0	0
SOCS7	0	1	0
OPCML	0	0	0
SCRN1	0	0	0
PANX2	0	0	0
GM49369	0	0	0
TNK2	0	0	0
AIG1	0	0	0
IRS2	0	0	0
CD69	0	0	0
SURF6	0	0	0
RB1	0	0	0
OLFR1109	0	0	0
GM47668	0	0	0
KLHL29	0	0	0
GM19203	0	0	0

PLCD1	0	0	0
SDK1	0	0	1
ESYT1	0	0	0
GM13204	0	0	0
RUNX3	0	0	0
RBM38	0	1	0
GBP9	0	0	0
BABAM1	0	0	1
ZFP715	0	0	0
MYO5B	0	0	0
RAD23B	0	1	0
MLYCD	0	0	0
TMEM234	1	0	0
GRIN3A	0	0	0
CCDC61	0	0	0
CDC123	0	0	0
PITRM1	0	0	0
MRPL38	0	0	0
SLC25A37	0	0	0
CLCN5	0	0	0
GSPT2	0	0	0
CD7	0	0	0
GM45736	0	0	0
PARS2	0	0	0
LRRC36	0	0	0
APBA1	0	0	0
LAIR1	0	0	0
MCTP1	0	0	1
OLFR1438-PS1	0	0	0
KLRG2	0	0	0
CCDC134	0	0	0
SULT2A7	0	0	0
POLR2D	0	0	0
IMPA1	0	0	0
ADGRL4	0	0	0
SYNDIG1	0	0	0
RAD50	0	0	0
RMI2	0	0	0
TMEM159	0	0	0
DNHD1	0	0	1
RNF167	1	0	0
KIZ	0	0	0
PAFAH2	0	0	0
GM7997	0	0	0
SF3A2	0	1	0
NUDT1	0	0	0
TOPORS	0	0	0
FOXH1	0	0	0
ZFP182	0	0	0
NAA20	0	0	0

ZFP658	0	0	0
GPR18	0	0	0
RPL17-PS10	0	0	0
ATP2C1	0	0	0
CCDC88A	0	0	1
SLC37A4	0	0	0
PPP1R12C	0	0	0
B3GNTL1	0	0	0
HAND2	0	0	0
MGMT	0	0	0
RASSF8	0	0	1
CD300LD5	0	0	0
DNAH1	0	0	0
FGFBP3	0	0	0
TBC1D2	0	0	0
GM3608	0	0	0
DLG5	0	0	0
TBCEL	0	0	0
FAM136A	0	0	0
PPIL3	0	0	0
NOS2	0	0	1
VAV2	0	0	0
AGTRAP	0	0	0
ARRDC5	0	0	0
HSPD1-PS3	1	0	0
MIS18A	0	0	0
MAPK8IP3	0	0	0
GM17655	0	0	0
LRRC73	0	0	0
CD4	0	0	0
COX5A	1	0	0
GM7541	0	0	0
PLAC9A	0	0	0
HHIPL1	0	0	0
NBL1	0	0	0
ADIG	0	0	0
ZMIZ1	0	0	1
PCDHB20	0	0	0
D16ERTD472E	0	0	0
CDK6	0	0	1
PEX3	0	0	0
PSME2	0	0	0
KPNA4	0	0	0
IPP	0	0	0
SGK3	0	0	0
KMT5B	0	1	1
FAM198B	0	1	0
CRYBA4	0	0	0
VAT1	0	0	0
WDR44	0	0	0

ATP5D	0	1	0
FNDC10	0	0	0
NBEAL1	0	1	0
YY1	0	0	1
NME3	0	0	0
ANKRD66	0	0	0
SCN2B	0	0	0
DYNC1I2	0	1	0
C1GALT1	0	0	0
MERTK	0	0	0
SMIM10L2A	0	0	0
LRRC45	0	0	0
SERF1	0	0	0
NOSIP	0	0	0
SLC39A13	0	0	0
BATF2	0	0	0
GON4L	0	0	1
LUM	0	0	0
TRAP1	0	0	0
NPY1R	0	0	0
TNR	0	0	0
NDRG3	0	0	0
HSPB9	0	0	0
SS18L2	0	1	0
COX5B	0	1	0
GM13597	0	0	0
CLEC1B	0	0	0
ANKRD1	0	0	0
PNPLA7	0	0	0
ZRSR1	0	0	0
SETDB1	0	0	0
NFATC3	0	0	0
AI987944	0	0	0
PEX7	0	0	0
ENSMUSG000C	0	0	0
GM14327	0	0	0
NAT8L	0	0	0
GPS2	0	0	0
GM3531	0	0	0
PRRC1	0	0	0
MUP18	0	0	0
RIOK3	0	0	0
APH1A	1	0	0
GM45268	0	0	0
SMPDL3B	0	0	0
HVCN1	1	0	0
RMDN3	0	0	0
IL6RA	0	0	0
NEK9	0	0	0
CYP26B1	0	0	0

PATL1	0	0	0
LRRN2	0	0	0
LRPAP1	0	0	0
PECAM1	0	0	0
SLC10A4	0	0	0
4930522L14RII	0	0	0
PDS5A	0	0	0
REEP2	0	0	0
ZFYVE1	0	0	0
GM20589	0	0	0
CYGB	0	0	0
GM7589	0	0	0
GM13378	0	0	0
PALMD	0	0	0
KMT2A	0	0	0
PPP1R1A	0	0	0
OLFML1	0	0	0
CDK5RAP2	0	0	0
SLC7A7	0	0	0
PALM	0	0	0
ABRA	0	0	0
NFATC4	0	0	0
GLRX3	0	0	0
RMND5B	0	0	0
UCN2	0	0	0
LYPLAL1	0	0	0
MOGS	0	0	0
PLK4	0	0	0
ZFP595	0	0	0
CDK16	0	1	1
MYO18B	0	0	0
PRPF39	1	1	1
SLC22A17	0	0	0
SLC26A2	0	0	0
CELF5	0	0	0
AKR1C13	0	0	0
TUFT1	0	0	0
RMC1	0	1	0
AMD1	0	0	0
ITFG1	0	0	0
CD5	0	0	0
RNPEP	0	0	0
DNAJC4	0	0	0
KDELR3	0	0	0
TSHR	0	0	0
CCDC103	0	0	0
C1QTNF2	0	0	0
NALCN	0	0	0
SLITRK6	0	0	0
NAGA	0	0	0

ACBD4	0	0	0
NSL1	1	0	0
ULK4	0	0	0
MFSD7A	0	0	0
4931406C07RI	0	0	0
CARF	0	0	0
ARHGEF12	0	0	0
SMYD1	0	0	0
GM15793	0	0	0
ADAMTS12	0	0	0
GM13493	0	0	0
ZC3H11A	0	0	0
GM45315	0	0	0
GPX4-PS2	0	0	0
PLPBP	0	0	1
GM17971	0	0	0
SH3RF1	0	0	0
CDC42EP3	0	0	0
GM19131	0	0	0
BHLHE41	0	0	0
ODF3L1	0	0	0
CAMK2N2	0	0	0
NAB2	0	0	0
GM3912	0	0	0
LANCL3	0	0	0
RERG	0	0	0
FBXL19	0	0	0
PCDH15	0	0	1
GM18407	0	0	0
GM15427	0	0	0
HNRNPH3	0	0	0
MATN4	0	0	0
BBS9	0	0	0
RSRC2	0	0	0
STAP1	0	0	0
SON	1	1	1
TMEM45A	0	0	0
TBC1D2B	0	0	0
GM18180	0	0	0
AVPR2	0	0	0
TAF6L	0	0	0
ASB7	0	0	0
KMT5C	0	0	0
CFAP53	0	0	0
CNOT6	0	0	0
FKBP15	0	0	0
GM12879	0	0	0
CPNE8	0	0	0
TMEM181A	0	0	1
XLR4B	0	0	0

MBIP	0	0	0
TMEM214	1	0	0
ETHE1	0	0	0
HMBS	0	0	0
FHL3	0	0	0
A530064D06RI	0	0	0
KIFC5B	0	0	0
TCEA3	0	0	0
ARHGEF33	0	0	1
RAD54B	0	0	1
MBOAT2	0	0	0
OLFR814	0	0	0
FAM151B	0	0	0
LAMA3	0	0	0
GM12439	0	0	0
RPL9-PS7	0	0	0
COPS4	0	1	0
TULP2	0	0	1
NLRP5	0	0	1
GM21981	0	0	0
PIP4K2A	0	0	0
SGK1	0	0	0
IL4	0	0	0
ATG4C	0	0	0
ATXN7L3	0	0	0
LRRC75B	0	0	0
WSCD2	0	0	0
LFNG	0	0	0
PRKCZ2	0	0	0
SENP5	0	0	0
B230118H07RI	0	0	0
SEC61A2	0	0	0
EPHA8	0	0	0
LDLRAD3	0	0	0
NEDD1	0	0	0
DMTF1	0	0	0
GM5493	0	0	0
LRRC8D	0	1	1
INPP5A	0	1	1
CBARP	0	0	0
MAPK3	0	0	0
KLRA9	0	0	0
CNPY3	0	0	0
6030458C11RI	0	0	0
A1BG	0	0	0
CRLS1	0	0	0
HIF1AN	0	0	0
MASP2	0	0	0
TAF5L	0	0	0
NUDCD1	0	0	0

RSLCAN18	0	0	0
GM43302	0	0	0
ZBTB20	0	1	1
MTMR2	0	0	0
CEPT1	0	0	0
SLIT3	0	0	1
PCDH1	0	0	0
KBTBD3	0	0	0
ZFP407	0	0	0
JUN	0	0	0
BSCL2	0	0	0
PAK2	0	0	0
TYK2	0	0	0
OBSCN	0	0	0
STMN4	0	0	0
NXNL1	0	0	0
RIPPLY3	0	0	1
TVP23B	0	0	0
GM3550	0	0	0
SLC2A13	0	0	0
STK4	0	0	0
GM16181	0	0	0
PRKN	0	0	1
4930579G24RI	0	0	0
SCAF11	0	0	0
PLSCR4	0	0	0
KCNMB1	0	0	0
SPRYD4	0	0	0
GM7807	0	0	0
GM8349	0	0	0
TECR	0	0	0
DLK2	0	0	0
MIER1	0	0	0
UNC13B	0	0	1
GM20683	0	0	0
SERPINA4-PS1	0	0	0
CCSER2	0	0	0
EZH2	0	0	0
DSE	0	0	0
CENPA	0	0	1
ERI1	0	0	0
GSTM3	0	0	0
CD82	0	0	0
HEPACAM	0	0	0
TRIM34A	1	1	1
PIGB	0	0	0
KDM5D	0	0	0
NDUFV2	0	0	0
ASAH1	0	0	0
TLNRD1	0	0	0

RASGRF2	0	0	0
ZFP87	0	0	0
HNRNPC	0	0	0
CENPL	0	0	0
TAF4B	0	0	0
AXIN2	0	0	0
NTF5	0	0	0
CAR3	0	0	0
TTPAL	0	0	0
RAMP3	0	0	0
ZFP385A	0	0	0
IVD	0	0	0
PGRMC1	0	0	0
LPIN2	0	0	0
ALG10B	0	0	0
COL8A1	0	0	0
A930033H14RI	0	0	0
GM7367	0	0	0
GM4017	0	0	0
CLCN2	0	0	0
1700128F08RII	0	0	0
TNNT3	0	0	0
GM3629	0	0	0
ESAM	0	0	0
WNT10B	0	0	0
IL17D	0	0	0
OLFR784	0	0	0
2210011C24RI	0	0	0
GM9790	0	0	0
RAD51B	0	0	1
OTUD1	0	0	0
TMF1	0	0	0
TOP3B	0	0	0
GM3650	0	0	0
ZFP385C	0	0	0
CENPK	0	0	0
POLR2J	0	0	1
GM5619	0	0	0
TBC1D9	0	0	0
ATP1A1	0	0	0
GM10076	0	0	0
KCNIP1	0	0	0
FAM184A	0	0	0
2810039B14RI	0	0	0
GM12057	0	0	0
AGT	0	0	0
SLC16A11	0	0	0
NDUFB11	0	0	0
ZBTB26	0	0	0
IDH2	0	0	0

H2AL1M	0	0	0
OAS1B	0	1	0
MFSD12	0	0	0
MORN4	0	0	0
IGFBPL1	0	0	0
H2-Q5	0	0	0
CYP3A25	0	0	0
CDK2	0	0	0
ITGA4	0	0	0
SAA2	0	0	0
TSEN15	0	0	0
MRS2	0	0	0
PCDHB4	0	0	0
ATMIN	0	0	0
TSHZ1	0	0	0
MUC1	0	0	0
GM14686	0	0	0
DNAH14	0	0	0
GALNT18	0	0	0
OLFR655	0	0	0
NRBF2	0	0	0
FAM173B	0	0	0
FADD	0	0	0
ALKBH2	0	0	0
TRIM44	0	0	0
UNC119B	0	0	0
GM19040	0	0	0
HIPK4	0	0	0
LRTM2	0	0	0
SLC46A1	0	0	0
LRP12	0	0	0
FANK1	0	0	0
GM17994	0	0	0
RALGDS	0	0	0
RAET1D	0	0	0
FBXO30	0	0	0
MTMR1	0	0	0
OLFR713	0	0	0
GM18864	0	0	0
VSIR	0	0	0
SHC2	0	0	0
IFI207	0	0	0
PRAP1	0	0	0
AI597479	0	0	0
OLFR365	0	0	0
DIRC2	0	0	0
TRO	0	0	0
39692	1	0	1
KLHL40	0	0	0
8030462N17RI	0	0	0

PRODH2	0	0	0
A4GALT	0	0	0
ADM	0	0	0
COL28A1	0	0	0
NME8	0	0	0
ZFP709	0	0	0
OGDHL	0	0	0
HSPA12B	0	0	0
BROX	0	0	0
RHD	0	0	0
NRBP1	0	1	0
ZFP850	0	0	0
COPZ2	0	0	0
DUOX2	0	0	0
VWA8	0	0	0
PRPF4	1	0	0
ACAA2	0	0	0
MCAT	0	0	0
GM28374	0	0	0
INTS6	0	0	0
AUH	0	0	0
FAM89A	0	0	0
UBR3	0	1	1
RBM7	0	0	0
AP3S2	0	0	0
SRPRB	0	0	0
COL27A1	0	0	0
CEP170B	0	1	0
GM12096	0	0	0
ENSA	0	1	0
RNF227	0	0	0
VSTM5	0	0	0
GTF2IRD1	0	0	0
ZNRF1	1	0	0
BAMBI	0	0	0
PELI1	0	0	1
SMYD5	0	1	1
TAS1R3	0	0	0
NBEAL2	0	0	0
GM5464	0	1	0
SCAPER	0	0	0
SNX24	0	0	1
SLAIN2	0	0	1
LRRC2	1	1	0
G430095P16RI	0	0	0
FHIT	0	0	0
GM17129	0	0	0
SDS	0	0	0
TAB2	0	0	0
TBC1D10A	0	0	0

PRPF31	0	0	0
CEP97	0	0	0
ADNP2	0	0	0
PARVA	1	0	0
C5AR2	0	0	0
OLFR1090	0	0	0
CMTR2	0	0	0
3110067C02RI	0	0	0
TGDS	0	0	0
GM21988	0	0	0
GM14308	0	0	0
ZBED6	0	0	0
GM9710	0	0	0
ELMO2	0	0	0
FMR1NB	0	0	0
ETFB	0	0	0
PMS1	0	0	0
STOML1	0	0	0
SLC25A53	0	0	0
OLFR1221	0	0	0
IFRD2	0	0	1
CSNK1D	0	0	0
DCDC2C	0	0	0
PDK2	0	0	0
GM4462	0	0	0
BORA	0	0	0
TOPBP1	0	1	0
LHPP	0	0	1
MMP25	0	0	0
DAPK1	0	0	0
ILVBL	0	0	1
EMC10	0	0	0
KLHDC10	0	0	0
GPANK1	0	0	0
AOC3	0	0	0
TM2D1	0	0	0
CD74	0	0	0
B3GAT2	1	0	0
UAP1	0	0	0
NAA30	0	0	0
SLX4	0	0	0
APOL10B	0	0	0
SUSD6	0	0	0
CACFD1	0	0	0
RSRC1	0	0	0
GM11733	0	0	0
SLC45A3	0	0	0
GM648	0	0	0
FRY	0	0	0
BCL9L	0	0	1

CREBRF	0	0	1
COG1	0	0	0
EEF1AKMT2	0	0	0
ACSS3	0	0	0
BTBD9	0	0	0
CNIH2	0	0	0
TGFB111	1	1	0
ASL	0	0	0
GM21092	0	0	0
LRRC41	0	0	0
KCNH7	0	0	0
GM14849	0	0	0
TRPM5	0	0	0
DPH2	0	0	0
SACS	0	1	0
CANX	0	0	0
RPS15A-PS6	0	0	0
PLEKHM3	0	0	0
ENSMUSG000C	0	0	0
ALS2CL	0	1	0
SYNE4	0	0	0
EIF4A2	1	1	1
GM12696	0	0	0
DUSP16	0	0	0
CIR1	0	0	0
ADSL	0	0	0
NUP188	1	0	0
ZFP420	0	0	1
UBA3	0	0	0
DNASE1L3	0	0	0
PAMR1	0	0	0
ST6GALNAC4	0	0	0
CBR4	0	0	0
RRP8	0	0	0
SLC35A1	0	0	0
9030619P08RII	0	0	0
SNX16	0	0	0
CD22	0	0	0
NDUFAB1	0	0	0
TNFAIP6	0	0	0
JRKL	0	0	0
RAET1E	0	0	0
EPHX2	0	0	0
EP300	0	1	1
ANKRD49	0	0	0
TEKT5	0	0	0
USP33	0	0	0
AK9	0	0	1
USF2	0	0	0
GM11687	0	0	0

CLIP3	0	0	0
CNEP1R1	0	0	0
IFIT2	0	0	0
HMGA2	0	0	0
BBS2	0	0	0
TET3	0	0	0
B3GNT5	0	0	0
UGT3A1	0	0	1
VWF	0	0	0
GM5127	0	0	0
PTP4A1	0	0	0
SLMAP	0	0	0
GBP2	0	0	0
KCNK4	0	0	0
GM5796	0	0	0
CTSH	0	0	0
ST8SIA2	0	0	0
VAMP2	0	0	0
MRGPRF	0	0	0
IL11	0	0	0
RPL36-PS12	0	0	0
HSD3B2	0	0	0
TRAPPC13	0	0	0
GCN1L1	0	1	0
SLFN8	0	0	0
OLFR380	0	0	0
EVI5	0	0	0
MED26	0	0	0
IGSF10	0	0	0
HDLBP	0	0	0
COL5A2	0	0	0
TENT5C	0	0	0
GNG10	0	0	0
EXOG	0	0	0
ABHD8	0	0	0
9230113P08RI	0	0	0
GM21969	0	0	0
AP5Z1	0	0	0
SGSH	0	0	0
D630036H23RI	0	0	0
BRD9	0	0	1
PITHD1	0	0	0
ABCC1	0	1	0
POLQ	0	0	0
GLYATL3	0	0	0
MLEC	0	0	0
TRP53	0	0	0
GM8225	0	0	0
XAF1	1	0	1
CPSF3	0	0	0

ENSMUSG000C	0	0	0
BRD4	0	0	0
HRH1	0	0	0
SNX13	1	0	1
KLHL36	0	0	0
ZFP939	0	0	0
PTMA	1	0	0
THOC2	0	0	0
MT1	0	0	0
STK32B	0	0	0
GOLIM4	0	0	0
HRG	0	0	0
HPCAL4	0	0	0
EPHA1	0	0	0
GM9385	0	0	0
ZFP783	1	0	0
EPN3	0	0	0
GM15387	0	0	0
GM7432	0	0	0
XPO1	1	1	0
PLAU	0	0	0
CBLC	0	0	0
ZFP661	0	0	0
GM12216	0	0	0
S100A3	0	0	0
XYLT1	0	0	0
OLFR479	0	0	0
PDE4B	0	1	1
MRGPRE	0	0	0
OLFR921	0	0	0
GAP43	0	0	0
PIGH	0	0	0
TEX264	0	0	0
NR2F1	0	0	0
2410004P03RI	0	0	0
GGN	0	0	0
BLK	0	0	0
NANOS3	0	0	0
AKIRIN2	0	0	0
SPPL2A	0	0	0
COX7A1	0	0	0
GM6286	0	0	0
GM8995	0	0	0
HR	0	0	0
4930548H24RI	0	0	0
POLR3D	0	0	0
SH3GLB1	0	0	0
TRIM32	0	0	0
MRPS26	0	0	0
SYN1	0	0	0

LRFN1	0	0	0
PSMG1	0	0	0
APOO	0	0	0
AW146154	0	0	0
CCDC9B	0	0	0
ZSCAN22	0	0	0
METTL21C	0	0	0
A1CF	0	0	0
GM12286	0	0	0
NCK2	1	0	0
EFHD1	0	0	0
SPTAN1	1	1	1
ZC3H18	0	0	0
SBK3	0	0	0
SCAF1	0	0	0
ACAA1B	0	0	0
ENTPD1	0	0	0
TJP3	0	0	0
PDE6D	0	0	0
CAPZA2	0	1	1
FAM214A	0	0	0
PREP	0	0	0
ZFP106	0	0	0
EPC2	0	0	0
TYSND1	0	0	0
ELL3	0	0	0
MAML1	0	0	0
1700028K03RI	0	0	0
RPL14-PS1	1	0	0
GM18359	0	0	0
OARD1	0	0	0
RNF151	0	0	0
MTMR3	0	0	0
GM21750	0	0	0
COL15A1	0	0	0
DNAL1	0	0	0
COL9A3	0	0	0
TMEM218	0	0	0
RADIL	0	0	0
MACROD2	0	0	1
KLF14	0	0	0
EHD3	0	0	0
CSGALNACT1	0	0	0
DECR1	0	0	0
SNX6	0	0	0
RALGAPB	0	0	0
DUSP5	0	0	0
MRPL23	0	0	0
CMTR1	0	0	1
ATG7	0	0	0

CHP2	0	0	0
C530008M17R	0	0	0
AMER1	0	0	0
PACS2	0	0	1
CRISPLD2	0	0	1
RAP2B	0	0	0
AU021092	0	0	0
TYMP	0	0	0
FAM131C	0	0	0
GM43564	0	0	0
GRAMD2	0	0	0
NUB1	0	0	0
RBP7	0	0	0
TSPAN14	0	0	0
PLEKHN1	0	0	0
EFL1	0	0	1
UGGT1	0	0	0
ATP6V1A	0	0	0
FBXO46	1	0	0
KPNA2	0	0	0
FUT10	0	0	0
PLCL2	0	0	0
KIF26A	0	0	0
GM2237	0	0	0
EDNRB	0	0	0
PCSK2	0	0	0
1700001J03RIK	0	0	0
PYROXD2	0	0	0
SIRT1	0	0	0
PNPLA2	0	1	0
PRPH	0	0	0
GM6136	0	0	0
GPM6B	0	0	0
POT1A	0	0	0
TBC1D25	0	0	0
SOWAHA	0	0	0
NEURL2	0	0	0
GM42785	0	0	0
STK10	0	0	1
IGSF9B	0	0	0
CTH	0	0	0
HAUS5	0	0	0
SLX1B	0	0	0
GM45208	0	0	0
TNKS2	0	1	0
S100B	0	0	0
COA5	0	0	0
ATP10B	0	0	1
H2AFV	0	0	0
SUGP1	0	0	0

IFNGR1	0	0	0
SOX6	0	0	0
WIPF1	0	0	0
AAMDC	0	0	0
NSMCE4A	0	0	0
LPP	1	0	1
INIP	0	0	0
FN3K	0	0	0
UPF3B	0	0	0
CAD	0	0	1
SHISA2	0	0	0
OLFR250	0	0	0
CDH16	0	0	0
4933402D24RI	0	0	0
CREBBP	0	0	0
FGFR1	0	0	0
CILP2	0	0	0
TAP2	0	0	0
GM2427	0	0	0
TMEM88	0	0	0
CNMD	0	0	0
PINK1	0	0	0
4930486L24RII	0	0	0
PGK1-RS7	0	0	0
UBE2CBP	0	0	0
MSTN	0	0	0
CADPS2	0	0	0
ZFP935	0	0	0
TNFSF8	0	0	0
ZFP712	0	0	0
ANKDD1B	0	0	0
GM9864	0	0	0
STX2	0	0	0
CHMP1B	0	0	0
SCAND1	0	0	0
SELENOH	0	0	0
TMCO4	0	0	0
GM29427	0	0	0
ANKRD45	0	0	0
D930048N14RI	0	0	0
KIF21A	0	0	0
TRIP11	0	0	0
BATF3	0	0	0
GM2174	0	0	0
LTB4R2	0	0	0
TNFSFM13	0	0	0
FBXO43	0	0	0
DPP7	0	0	0
ZFP524	0	0	0
TCTN1	0	0	0

HNRNPLL	0	0	0
IGSF8	0	0	0
TMEM189	0	0	0
OVOL1	0	0	0
HS3ST4	0	0	0
DCBLD1	0	0	0
FLRT2	0	0	0
SSC4D	0	0	0
OLFR958	0	0	0
AI467606	0	0	0
TECTB	0	0	0
ELP6	0	0	0
FRAT2	0	0	0
RPL27-PS1	0	0	0
NAPEPLD	0	0	0
AURKB	0	0	0
SACM1L	0	0	0
PGBD1	0	0	0
FAM135A	0	0	0
PLEKHB1	0	0	0
PDCD1LG2	0	0	0
MTX1	0	0	0
RUNDC1	0	0	0
KLK10	0	0	0
HPS4	0	0	0
EXOC8	0	0	0
RPS6-PS3	0	0	0
GJC3	0	0	0
GTSE1	0	1	0
TCP11X2	0	0	0
FOXP2	0	0	1
PURA	0	0	0
SERPINB9B	0	0	0
SPRY4	0	0	0
PSIP1	0	0	0
DPP8	0	0	1
GM18537	0	0	0
CACNA1E	0	0	0
PLA2G15	0	0	0
GM10132	0	0	0
PDZRN4	0	0	0
XRN2	0	0	0
VPS45	0	0	0
FAM45A	0	0	0
KANSL1L	0	0	0
KDM4B	1	0	0
CHD6	0	0	0
ALAD	0	0	0
HTRA4	0	0	0
ACO2	1	1	1

IL33	0	0	0
HMG3	0	0	0
GM20661	0	0	1
FAM171A1	0	0	1
ZNRD1AS	0	0	0
AHCYL1	0	0	0
SIX6	0	0	0
GNG3	0	0	0
LIMD1	0	0	0
HDGF	0	0	0
CBX6	0	0	0
CTDSPL	0	0	0
MAP6D1	0	0	0
GM40020	0	0	0
CD302	0	0	0
GPR19	0	0	0
ZFP105	0	0	0
TUBG2	0	0	0
TATDN3	0	0	0
GM8097	0	0	0
UVRAG	0	0	0
DZIP1L	1	1	0
ENSMUSG000C	0	0	0
ITPR2	0	0	0
TENT4B	0	1	0
SNIP1	0	0	1
UNC119	0	0	0
CDH4	0	0	0
GM10080	0	0	0
IL1RL2	0	0	0
U2SURP	0	0	0
JPH4	0	0	0
SPTBN4	0	0	0
FKBP5	0	0	0
B4GAT1	0	0	0
GALNT4	0	0	0
SYNJ1	0	0	0
ACAP3	0	0	1
CALR	0	0	0
ENSMUSG000C	0	0	0
CRACR2B	0	0	0
FAM168B	0	0	0
HEATR3	0	0	0
CCDC80	0	0	0
APOL7E	0	0	0
FAM126A	0	0	0
POLR2B	0	0	0
STX1B	0	0	0
TUBA3B	0	0	0
ARMCX1	0	0	0

ZFP184	0	0	0
SLC10A1	0	0	0
MICU2	0	0	0
CDC45	0	0	0
MUC13	0	0	0
RPS27A-PS2	0	0	0
TTF2	0	0	0
CD3D	0	0	0
SEPHS2	0	0	0
GM9574	0	0	0
TCF7L2	1	1	0
MRLN	0	0	0
NRN1L	0	0	0
SOCS1	0	0	0
CYP2AB1	0	0	0
DAZL	0	0	0
SYVN1	0	1	0
CHEK2	0	0	0
SPNS1	0	0	0
HERC4	0	1	1
GM43064	0	0	0
CELA1	0	0	0
ERCC5	0	0	1
PRR5L	0	0	0
OLFR313	0	0	0
SYTL1	0	0	0
FMNL2	0	0	0
MRPL55	1	0	0
KIF2C	0	0	0
CRAMP1L	0	0	0
CR954983.1	0	0	0
GUCD1	0	0	0
2210010C04RI	0	0	0
OLFR667	0	0	0
VPS35	0	0	0
RASA4	0	0	0
OLFR1448	0	0	0
MST1R	0	1	0
PAH	0	0	0
CD200R2	0	0	0
TM4SF1	0	0	0
GM10036	0	0	0
FAM241A	0	0	0
BTBD19	0	0	0
CACNA1F	0	0	0
CCL21A	0	0	0
ICMT	0	0	0
SLC43A2	0	0	0
TERB1	0	0	0
PCDHB5	0	0	0

WFDC18	0	0	0
ITPR3	0	0	0
RELL1	0	0	0
NLRP1A	0	0	0
RUNDC3A	0	0	0
DNAJC7	0	0	0
CXCL12	0	0	0
NTF3	0	0	0
GM17229	0	0	0
METRNL	0	0	0
GM8822	0	0	0
GBA2	0	0	0
SMARCA5	0	0	0
SSH3	0	0	0
PYCARD	0	0	0
TLK2	0	0	0
GM4869	0	0	0
FAT1	1	0	1
ZFAND2A	0	0	0
PHACTR1	0	0	0
STK25	0	0	0
DET1	0	0	0
BTG3	0	0	0
NAA35	0	0	0
ALDH3B3	0	0	0
PCDH19	0	0	0
AACS	0	0	1
GM3534	0	0	0
MORN3	0	0	0
RPUSD2	1	0	0
ZFP809	0	0	0
RPL36-PS3	0	0	0
NUSAP1	0	0	0
KLHL7	0	0	0
CAMK1D	0	0	0
GEMIN5	0	0	0
ZFAND3	0	0	0
GM14443	0	0	0
VDR	0	0	0
HECA	0	0	0
GNA15	0	0	0
MRPL34	0	0	0
FHDC1	0	0	0
OLFR46	0	0	0
OLFR671	0	0	0
GM32102	0	0	0
VWA1	0	0	0
ZFP708	0	0	0
SH3GLB2	0	0	0
NUBPL	0	0	0

GM6723	0	0	0
ZFP418	0	0	0
CAVIN1	0	0	0
OLA1	0	0	0
HIST1H4N	0	0	0
PRDM9	0	0	0
GM6990	0	0	0
POLDIP2	0	0	0
CNN3	1	1	0
MVD	0	0	0
ZFP280C	0	0	0
GM42814	0	0	0
LSAMP	0	0	0
ID3	1	0	0
RBM6	0	0	0
OLFR1388	0	0	0
ZMYND19	0	0	0
SAR1B	0	0	1
PTGES3-PS	0	0	0
NDOR1	0	0	0
TRAM1	0	0	0
SETMAR	0	0	0
ST13	0	0	0
FAM161B	0	0	0
ODF2	1	1	1
LCAT	0	0	0
RBBP7	0	0	0
CHPF	0	0	0
RWDD2A	0	0	0
GM17383	0	0	0
PRIM2	0	0	0
MLH1	0	0	0
MSX1	0	0	0
CTLA4	0	0	0
PKD1L2	0	0	0
DGKH	0	0	0
ZFP975	0	0	0
EEF1A2	0	0	0
WDR5B	0	0	0
RPL21-PS8	0	0	0
AIM2	0	0	1
FNBP1L	0	0	0
ADGRG4	0	0	1
MUG-PS1	0	0	0
CHTF18	0	0	0
LINS1	0	0	0
SLC25A30	0	0	0
ABCB1B	0	0	0
GSTM4	0	0	0
QARS	0	0	0

TMOD2	0	0	0
CBX5	0	0	0
HDDC3	0	0	0
CITED4	0	0	0
1110051M20R	0	0	0
DCLRE1B	0	0	0
AP3D1	0	0	0
FRA10AC1	0	0	0
SVIL	0	1	1
RAMP1	0	0	0
GM15526	0	0	0
ARHGEF28	0	0	0
ACPP	0	0	0
COLEC12	0	0	0
TDRP	0	0	0
B430203G13RI	0	0	0
CLEC4B1	0	0	0
COL6A2	0	0	0
GM45880	0	0	0
GNA14	0	0	0
GM42718	0	0	0
HADH	0	0	0
CASKIN1	0	0	0
LDHA	0	0	1
GNB1L	0	0	0
TBK1	0	0	0
LYPD1	0	0	0
PPIH	0	0	0
TOR1B	1	1	0
MAP2K7	0	0	1
NHEJ1	0	0	0
TRAPPC3	0	0	0
FAM43A	0	1	0
RGS17	0	0	0
SPN	0	0	0
NPHP1	0	0	0
ZBTB48	0	0	0
PTPN21	0	0	0
GLT8D1	0	0	0
RAB39	0	0	0
PTGDS	0	0	0
AHNAK2	0	0	0
GM15501	0	0	0
MYO10	0	1	0
TTLL4	1	1	1
KCNT1	0	0	0
RBSN	0	0	0
2010109A12RI	0	0	0
PLEKHG4	0	0	0
CPXM1	0	0	0

GSTT3	0	0	0
RAB43	0	0	0
PIP4P2	0	0	0
FKBP14	0	0	0
RPL39-PS	0	0	0
GM49380	0	0	0
RAB9B	0	0	0
FAM57B	0	0	0
MYNN	0	0	0
IFI35	0	0	0
PCSK4	0	0	0
AXIN1	0	0	0
L3MBTL2	0	0	0
FLOT2	0	0	1
POU2F2	0	0	0
GP1BB	0	0	0
RRP1	0	0	0
ISG15	0	0	0
EPHX3	0	0	0
OLFR1031	0	0	0
PAXX	0	0	0
FOXC2	0	0	0
MPP4	0	0	0
SIGIRR	0	0	0
PDE8A	0	0	0
GM9670	0	0	0
GM10359	0	0	0
GM12671	0	0	0
PITX3	0	0	0
PAX5	0	0	0
PAOX	0	0	0
ZFP335	0	0	0
EIF2AK4	0	1	0
ASB12	0	0	0
TNFSF10	0	0	1
LZTFL1	0	0	0
HIST3H2A	1	0	0
PEG10	1	1	0
DCST2	0	0	0
GNRH1	0	0	1
KCNJ8	0	0	0
SPOCK3	0	0	0
FKBPL	0	1	0
SLC25A25	0	0	0
ARFGAP1	0	0	0
PRRX2	0	0	0
H2-EB1	0	0	0
SH2D6	0	0	0
DCT	0	0	0
ANKRD55	0	0	0

PAM16	0	0	0
XRCC4	0	0	0
RANBP6	0	0	0
PCP4	0	0	0
PRCP	0	0	0
CFAP43	0	0	0
UBE2QL1	0	0	0
MCOLN1	0	0	0
GM14469	0	0	0
RNF10	0	0	0
NSD2	0	0	0
GM43582	0	0	0
IRF3	0	0	0
CCDC180	0	0	0
ATG14	0	0	0
CHD7	0	1	0
MMP13	0	0	0
CES3A	0	0	0
CMPK2	0	0	0
TLR5	0	0	0
DCLK3	0	0	1
SORD	0	0	0
SLC17A5	0	0	0
EIF4B	0	0	0
B4GALT7	0	0	0
CTSE	0	0	1
PARP10	0	0	0
WDFY4	0	0	0
NUPL2	0	0	0
SPATA13	1	1	0
TIPARP	0	0	0
TRP53INP1	0	0	0
INKA1	0	0	0
USP9X	1	1	1
MAPK4	0	0	0
TCEANC2	0	0	0
PDGFRL	0	0	0
REEP6	0	0	0
CSMD2	1	0	0
CBR2	0	0	0
ZSCAN18	0	0	0
RFX3	0	0	0
PRRG4	0	0	0
VKORC1	0	0	0
CAT	0	0	0
GM17083	0	0	0
SLC17A7	0	0	0
RPL21-PS10	0	0	0
COMMD10	0	1	0
SLC16A4	0	0	0

TAPBP	1	0	0
BTD	0	0	0
GM8172	0	0	0
TMEM259	0	0	0
GZF1	0	0	0
GPR162	0	0	0
GM11407	0	0	0
AW549877	0	0	0
ITGBL1	0	0	0
TRAPPC6B	0	0	0
SLC52A2	0	0	0
ZBTB21	0	0	0
CYYR1	0	0	0
CRYZL2	0	0	0
GM3264	0	0	0
DHX58	0	0	0
ZFP467	0	0	0
FGFRL1	0	0	0
COQ2	0	0	0
NRN1	0	0	0
IKBIP	0	0	0
GPRIN1	0	0	0
PIGU	0	0	0
ITPA	0	0	0
ARHGAP28	0	0	0
OLFR462	0	0	0
BMP2	0	0	0
SLC7A2	0	0	0
SLC30A6	0	0	0
ASNSD1	0	0	0
PIGQ	0	0	0
TIMM10	0	0	0
PPIG	0	0	1
ATP5J	0	0	0
SLC25A17	0	0	0
YME1L1	0	0	0
MKS1	0	0	0
FAM181B	0	0	0
EIF2D	0	0	0
GM14410	0	0	0
PPIL2	0	0	0
RNF223	0	0	0
SAXO2	0	0	0
ZFP426	0	0	0
RPS3A2	0	0	0
GATC	0	0	0
MBP	0	0	0
BIRC6	0	1	1
GM45234	0	0	0
NOS1	1	0	0

5730480H06RI	0	0	0
BLCAP	0	0	0
SPRED1	0	0	0
POU2AF1	0	0	0
DCHS2	0	0	0
SCAMP2	0	0	0
2900026A02RI	0	0	0
BRINP1	0	0	0
RBMXL2	0	0	0
ATP5H	0	0	0
ZFP729B	0	0	0
SDHA	0	0	0
CUBN	0	0	0
METAP1D	0	0	0
SESN3	0	0	0
KNDC1	0	0	0
ZFP354A	0	0	0
CTNND2	0	0	1
GM17022	0	0	0
VGLL4	0	0	0
GM7609	0	0	0
NPPA	1	1	0
ANO7	0	0	0
TMEM116	0	0	1
CNN1	0	0	0
RARS2	0	0	0
ZMYND8	0	0	0
NT5DC1	0	0	0
CAND1	0	0	0
EBPL	0	0	0
GM15454	0	0	0
ARHGAP10	0	0	0
TNNT1	0	0	0
TBC1D32	0	0	0
AKTIP	0	0	0
NEURL4	0	0	0
GLRX	0	0	0
CCDC3	0	0	0
FLRT3	0	0	0
BIN1	0	0	1
MEGF9	0	0	0
GM973	0	0	1
ZRANB2	1	1	0
RAB39B	0	0	0
ESF1	0	0	0
PPP1R7	0	0	0
NDEL1	0	0	0
TUBA4A	0	0	0
L3MBTL3	0	0	0
ACAT2	0	0	0

SERPINB2	0	0	0
GALNT12	0	0	0
TNFSF18	0	0	0
NTPCR	0	0	0
GM9959	0	0	0
GM28041	0	0	0
OXA1L	0	1	0
CRYGN	0	0	0
PDCD5-PS	0	0	0
IL18BP	0	0	0
ZBTB39	0	0	1
E130309D02RI	0	0	0
VPS13D	0	0	0
ATP2A3	0	0	0
ATP8A1	0	0	0
WBP4	0	0	0
CERS6	0	0	0
SCML2	0	0	0
COL6A3	0	0	0
TLE3	0	0	0
CENPP	0	0	0
DOT1L	0	0	1
GPR31B	0	0	0
RPS19-PS4	0	0	0
ZFP953	0	0	0
OLFR718-PS1	0	0	0
ELP2	0	0	0
CDKN2B	0	0	0
HRK	0	0	0
POGZ	0	1	0
GM5921	0	0	0
ETNK2	0	0	0
CNOT11	0	0	0
NUDT4	0	0	0
CCDC51	0	0	0
NANOS2	0	0	0
TBKBP1	0	0	0
ALDH3A2	0	0	0
BRWD1	0	0	0
CAR15	0	0	0
GM10038	0	0	0
HERC1	0	0	1
GM6477	0	0	0
CYB561D2	0	0	0
GM13033	0	0	0
MAP3K3	0	0	0
ENTR1	0	0	0
P4HA1	0	0	0
PLA2G4C	0	0	0
D230025D16RI	0	0	0

COX18	0	0	0
OLFR1261	0	0	0
TMEM39A	0	0	0
TTLL3	0	0	0
BRCC3	0	0	1
VPS35L	0	0	0
USP1	0	0	0
RPS8-PS4	0	0	0
ENSMUSG000C	0	0	0
GM20878	0	0	0
PSME1	0	0	0
SLC38A1	0	0	0
ZBTB10	0	0	0
TUBA1A	0	0	0
CREG1	0	0	0
KCTD13	0	0	0
MAP4K3	0	0	0
KCNK7	0	0	0
SLC18A1	0	0	0
ACSBG1	0	0	0
TMEM184A	0	0	0
MEX3B	0	0	0
PCDHB8	0	0	0
GM49373	0	0	0
MPP2	0	0	0
PPIB	0	1	0
TMEM267	0	0	0
EMD	1	0	0
PRMT2	0	0	0
RPRD1B	0	0	1
PYROXD1	0	0	0
DYRK1B	0	1	0
MRPL48	0	0	0
2210016F16RII	0	0	0
EIF4G1	0	0	1
IGHG2C	0	0	0
ADSSL1	0	0	0
6720489N17RI	0	0	0
DAPP1	0	0	0
PPP4R4	0	1	0
GM13340	0	0	0
EFNB2	0	0	0
4930518I15RIK	0	0	0
LRRC8E	0	0	0
CNTD1	0	0	1
ADD1	0	0	0
RAB9	0	0	0
CLMN	0	0	0
ARHGEF18	0	0	1
GM10171	0	0	0

DPP6	1	0	0
ERP29	0	0	0
NAF1	0	0	0
WDR82	0	0	1
ADCY2	0	0	0
SNN	0	0	0
LRCH4	0	0	0
IL3RA	0	0	0
MIPEP	0	1	0
FMNL3	0	0	0
HTR2B	0	0	0
XPO4	0	0	0
ELP3	0	0	0
USP12	0	0	0
PRADC1	0	0	0
MXRA7	0	0	0
STK38	0	0	0
KCNJ16	0	0	0
KDM2A	0	0	0
STRN	0	0	0
URB1	0	0	0
PEG12	0	0	0
MBNL2	1	1	1
LETM2	0	0	0
GM10053	0	0	0
OLFR695	0	0	0
FAT4	0	0	0
SNW1	0	0	0
CRELD1	0	0	0
KNL1	0	0	0
FAIM	0	0	0
RIPK2	0	0	0
TMEM39B	0	0	0
DGKG	0	0	0
CDCA7L	0	0	0
POMGNT1	0	0	0
ENC1	0	0	0
MYLPF	0	0	0
MROH2A	0	0	0
AGTPBP1	0	0	0
TMEM245	0	0	0
OLFR731	0	0	0
GM42420	0	0	0
SFXN2	0	0	0
GFOD1	0	0	0
FAAP24	0	0	0
AURKC	0	0	0
TMCO1	0	0	0
DCUN1D4	0	0	0
DLGAP3	0	0	0

SS18	0	0	0
BCL6	0	0	0
C2	0	0	0
POLR3F	0	0	1
MMRN1	0	0	0
2210408I21RIK	0	0	1
RBM4B	0	0	1
IFT80	0	0	0
ZFP345	0	0	0
GM5977	0	0	0
TRPV3	0	0	0
ACADS	0	0	0
BICC1	0	0	0
PTCH2	1	0	0
POLE	0	0	0
GM18001	0	0	0
CYBC1	0	0	0
MFSD10	0	0	0
LINGO4	0	0	0
CLEC2D	0	0	0
VAPB	0	0	0
GM10031	0	0	0
IAH1	0	0	1
TRIM6	0	0	0
RPA1	0	0	0
USP28	0	0	0
PNMT	0	0	0
ISY1	0	0	0
MRAP2	0	0	0
ADNP	0	0	0
RXRB	0	0	0
GMPR2	0	0	0
OTOS	0	0	0
GTF3C2	0	0	0
PPP1R16A	0	0	0
GLYCTK	0	0	0
ARRB1	0	0	0
CRYL1	0	0	0
CHSY3	0	1	0
AKAP8L	0	0	0
PDE10A	0	0	1
2810408A11RI	0	0	0
GM14292	1	0	0
LRRC17	0	0	1
SLC44A5	0	0	0
NMRAL1	0	0	0
NR2C2	1	0	1
NXPE3	0	0	0
FASTKD2	0	0	0
ARXES2	0	0	0

SRRM4	0	0	0
PEX1	0	0	0
SLC26A8	0	0	0
ARHGAP5	0	1	1
OLFR1048	0	0	0
GM12896	0	0	0
ABCB11	0	0	0
ATP6V0D1	0	0	0
PIGL	0	0	0
CLDN12	0	0	0
TESPA1	0	0	1
MSH5	0	0	0
ATG9B	0	0	0
STAU1	0	0	0
SYTL2	0	0	0
TAPBPL	0	0	0
SHTN1	0	0	0
OLFR652	0	0	0
RFX7	0	0	0
BFSP1	0	0	0
GNL3L	0	0	0
GM29094	0	0	0
GM10291	0	0	0
RHBDF2	0	0	0
GM16209	0	0	0
UQCRC2	0	1	0
F2RL3	0	0	0
ETNPPL	0	0	0
LMAN2L	0	0	0
INPP4B	0	0	1
BC055324	0	0	0
GM20662	1	0	0
MAFA	0	0	0
TMEM91	0	0	0
CYP2J13	0	0	0
ZBTB7B	0	0	0
GCSAM	0	0	0
AP4E1	0	0	0
GM2986	0	0	0
PPP1R3D	0	0	0
NPR1	0	0	0
CD6	0	0	0
EFR3B	0	0	0
OLFR943	0	0	0
OLFR1044	0	0	0
GM15737	0	0	0
RPS2-PS13	0	0	0
RNASET2B	0	0	0
CDIP1	0	0	0
FHOD1	0	0	0

TRIM26	0	0	0
IGTP	0	0	0
RBM15B	0	0	0
WDR11	0	1	0
ERAP1	0	0	0
PDK3	0	0	0
CEND1	0	0	0
KIF20A	1	0	0
LPCAT3	0	0	0
CD300LD4	0	0	0
FTL1-PS1	0	0	0
HTR7	0	0	0
CTLA2B	0	0	0
TMEM95	0	0	0
SMIM14	0	0	0
IL11RA1	0	1	0
SLIT2	0	0	1
NRK	0	0	0
D10WSU102E	0	0	1
TMEM191C	0	0	1
OLFR1564	0	0	0
RAPGEF3	0	0	0
ALDH2	0	0	0
2700099C18RI	0	0	0
THRSP	0	0	0
NELFA	0	0	0
CD34	0	0	0
OLFR55	0	0	0
CHD9	1	0	1
PCDHB7	0	0	0
MACF1	0	0	0
MAPK8IP1	0	0	0
GRK2	0	0	0
DIMT1	0	0	0
MYO18A	1	1	1
FBXO17	0	0	0
TBC1D8	0	0	0
PDLIM3	0	0	0
COL8A2	0	0	0
BCL9	0	0	0
MYH3	0	0	0
FAM78B	0	0	0
USP14	0	0	0
AP4M1	0	0	0
HYAL2	0	0	0
RDH1	0	0	0
PLA2G12A	0	0	0
MED20	1	0	1
NFYC	0	0	0
SLC35F5	0	0	0

ADRA2C	0	0	0
ZFP316	0	0	0
IRAK1BP1	0	0	0
PRMT5	0	0	0
MMAA	0	0	0
UBXN8	0	0	0
CREBL2	0	0	0
ESYT2	0	0	1
KCNC2	0	0	0
KIF9	0	0	0
PHYHD1	0	0	0
CTR9	0	0	0
ERICH1	0	0	0
CDC42EP4	0	0	0
ARID2	0	1	0
METTL18	0	0	0
KCNK5	0	0	0
PFKL	0	0	0
GM8325	0	0	0
TOP1MT	0	0	0
GM34302	0	0	0
ASTN1	0	0	1
SALL1	0	0	0
GNG12	0	0	0
TFB2M	0	0	0
NRD1	0	0	0
KATNA1	0	0	0
GM8451	0	0	0
ACNAT1	0	0	0
MRPS15	0	1	0
GM10309	0	0	0
SMS	0	0	0
GM13237	0	0	0
A430078G23RI	0	0	0
CC2D1A	0	0	0
HAS3	0	0	1
LRRC42	0	0	0
CDAN1	0	0	0
TRIM59	0	0	0
MPDU1	0	0	0
ETFA	0	0	0
C1QB	0	0	0
RAP1GDS1	0	0	0
GM17194	0	0	0
TMED10	0	0	0
TAB1	0	0	0
APH1C	0	0	0
RPS6-PS1	0	0	0
IRF7	0	0	0
CRH	0	0	0

TIMP3	1	0	0
CUL1	0	0	0
THSD4	0	0	0
TRIM3	0	0	0
FMO2	0	0	0
STMN2	0	0	0
DDIT4L	0	0	0
SLAMF6	0	0	0
CPXM2	0	0	0
MYO1C	1	1	1
ANKRD16	0	0	0
CCDC152	0	0	0
RAB36	0	0	0
KANK3	0	0	0
DCAF5	0	0	0
ANAPC16	0	0	0
7530416G11RI	0	0	0
ATP5O	0	0	0
ZSWIM1	0	0	0
SKIV2L	0	0	0
CHST3	0	0	0
WDR81	0	0	0
ZDHHC12	0	0	0
A730061H03RI	0	0	0
40422	0	0	0
P2RY12	0	0	0
ATF7	0	0	0
SRSF4	1	0	1
ZFP932	0	0	0
FAXC	0	0	1
ALG2	0	0	0
GM9855	0	0	0
TENM3	0	0	0
CTSK	0	0	0
XPNPEP2	0	0	0
HIGD1B	0	0	0
PSD	0	0	0
ST3GAL2	0	0	0
ALKBH5	0	0	0
PTPMT1	0	0	0
SPOP	0	0	1
CWF19L1	0	0	0
CNPY2	0	0	0
HIST1H4D	1	0	0
DUOXA1	0	0	0
TSTA3	0	0	0
CYP4F41-PS	0	0	0
APPL1	0	0	0
RTBDN	0	0	0
ATL1	0	0	1

1810024B03RI	0	0	0
HMOX2	0	0	0
ASXL3	1	0	0
VIPAS39	0	0	0
RHOJ	0	0	1
PDGFRB	0	0	1
UPK1A	0	0	0
GCH1	0	0	0
S100A16	0	0	0
ARNTL2	0	0	0
GM29761	0	0	0
TMEM154	0	0	0
PAQR3	0	0	0
KRT19	0	0	0
RTN4RL2	0	0	0
GP9	0	0	0
HIBCH	0	0	0
MGP	0	0	0
RASA3	0	0	0
EXO1	0	0	0
SAMD5	0	0	0
LBHD1	0	0	0
TRIM11	0	0	1
USP10	0	0	1
AP3B2	0	0	0
GM13886	1	0	0
PLA2G4B	0	0	0
GPAT3	0	0	0
HELLS	0	0	0
OLFR1415	0	0	0
PPP6R3	0	0	0
COL14A1	0	0	1
FABP5	0	0	0
GPR63	0	0	0
CX3CR1	0	0	0
CYSLTR1	0	0	0
SPATA20	0	0	0
APCS	0	0	0
NLRP1B	0	0	0
RBM5	0	0	0
XYLT2	0	0	0
ELAVL1	0	0	0
GM14418	0	0	0
CREG2	0	0	0
CABYR	0	0	0
MLIP	0	0	0
BTBD2	0	0	0
P2RX7	0	0	0
FGF12	0	0	0
GM13090	1	0	0

ZFYVE27	0	0	0
IGBP1	0	0	0
GM3667	0	0	0
DYNLT1A	0	0	0
NOTCH1	0	0	0
ZFP54	0	0	0
GM12955	0	0	0
BC035947	0	0	0
GM6436	0	0	0
STK35	0	0	1
USP45	0	0	0
NOP53	0	0	0
HJURP	0	0	0
CTPS2	0	0	0
CYP2J9	0	0	0
IL2RG	0	0	0
SLC24A2	0	0	0
ASPN	0	0	0
MCPT4	0	0	0
SHC4	0	0	0
GM45908	0	0	0
AQP1	0	0	0
MYBPC2	0	0	0
GM28042	0	0	1
9430015G10RI	0	0	0
NLRP6	0	0	0
PLA2G2C	0	0	0
S1PR1	0	0	0
POLR1C	0	0	0
CACNG4	0	0	0
SDHAF1	0	0	0
PIGP	0	0	0
ZC3H12A	0	0	0
ZFP574	0	0	0
MOSPD2	0	0	0
GTPBP8	0	0	0
ARHGAP6	0	1	1
PLA2G16	0	0	0
LAG3	0	0	0
MYOM1	1	1	1
OLFR1120	0	0	0
GM15821	0	0	0
MMP28	0	0	0
CCL11	0	0	0
DAB2IP	0	0	1
FBXL4	0	0	0
ZWILCH	0	0	0
MRGBP	0	1	0
NRGN	0	0	0
GFM2	0	0	0

COA4	0	0	0
CBX8	0	0	0
ZFP408	0	0	0
WIPF2	0	0	0
HFE	0	0	0
4930447C04RI	0	0	0
RDH9	0	0	1
AGAP2	0	0	0
ST7	0	0	1
GM18258	0	0	0
KLF7	0	0	0
S100A1	0	0	0
IPO13	0	0	0
IMPG2	0	0	0
USP17LA	0	0	0
PCDHGA9	0	0	0
TRIL	0	0	0
HUWE1	0	1	1
TRPC1	0	0	0
LENG1	0	0	0
FBXL8	0	0	0
SLC27A1	0	0	1
ZFP764	0	0	0
CEP192	0	0	1
GM13477	0	0	0
GM9625	0	0	0
BCL2L2	0	0	0
DCXR	0	0	0
HELQ	0	0	0
9330151L19RII	0	0	0
SOS1	0	0	0
DNAJB3	0	0	0
ILF2	0	0	0
GM10073	0	0	0
INTS14	0	0	0
HECTD2	0	0	0
PLCB1	0	0	0
GPR45	0	0	0
BBX	0	0	0
SYNGR1	0	0	0
NDUFA4L2	0	0	0
AAGAB	0	0	0
TMEM69	0	0	0
SIGLEC1	0	0	0
IFFO2	0	0	1
OLFR318	0	0	0
MRPL16	0	0	0
OLFR1389	0	0	0
CTC1	0	0	0
PPIC	0	0	0

GM13611	0	0	0
THNSL1	0	0	0
AP5B1	0	0	0
GM14659	0	0	0
FAM228A	0	0	0
GGA3	0	0	0
ZFP617	0	0	1
PRR3	0	0	0
LIN52	0	0	0
RTL8B	0	0	0
SDCBP2	0	0	0
TMEM67	0	0	0
ANKRD12	0	0	0
PRPF19	0	0	1
RTL10	0	0	0
PEPD	0	0	0
LRSAM1	0	0	0
PVALB	0	0	0
POLE2	0	0	0
MIDN	1	1	1
HMGB1-PS2	0	0	0
EFR3A	0	0	0
EBF4	0	0	0
GAPVD1	0	0	0
ENPP6	0	0	0
MEOX2	0	0	0
ADO	0	0	0
ABCB4	0	0	1
AP3M2	0	0	0
FARS2	0	0	0
APOA4	0	0	0
0610009L18RII	0	0	0
HAAO	0	0	0
SALL2	0	0	0
CISH	0	0	0
ARMT1	0	0	0
GM8624	0	0	0
STX16	0	1	1
PTTG1IP	1	0	0
KAT7	0	0	0
JMJD8	0	0	0
TOP1	1	0	1
VANGL2	0	0	0
GM29668	0	0	0
UROC1	0	0	0
INTS12	0	0	0
ZFP772	0	0	0
F8A	0	0	0
SPON2	0	0	0
ARSI	0	0	0

HSPA2	0	0	0
NTN5	0	0	0
PARP11	0	0	0
REPS1	0	0	0
ADAMTS9	0	0	0
DLL1	0	0	0
CMIP	0	0	1
APIP	0	0	0
NRL	0	0	0
GM17952	0	0	0
SMPD3	0	0	0
TRP53I13	0	0	0
4930465K10RI	0	0	0
ZFP354C	0	0	0
MRPS31	0	0	0
GM9974	0	0	0
SLCO1C1	0	0	0
LMOD1	0	0	0
ARHGEF25	0	0	0
ANKHD1	0	1	1
GLI2	0	0	0
LIPH	0	0	0
EPOR	0	0	0
GUCA2B	0	0	0
RNF165	0	0	0
MRPS27	0	0	0
CENPB	0	0	0
CAML	0	0	0
GM15267	0	0	0
SEMA4F	0	0	0
LPGAT1	0	0	1
OCRL	0	0	0
PPM1A	1	0	1
GRAP2	0	0	0
MYADML2	0	0	0
TTLL13	0	0	0
CASP1	0	0	0
COQ6	0	0	0
EDC4	0	0	0
SCLY	0	0	0
MT-ND6	0	0	0
OLFR287	0	0	0
LPCAT2B	0	0	0
B3GNT9	0	0	0
GM9806	0	0	0
AOX3	0	0	0
GRAP	0	0	0
NAT10	0	0	0
GM14401	0	0	0
HIPK2	0	0	0

GCDH	0	0	0
BIK	0	0	0
USP27X	0	0	0
PRRG2	0	0	0
ACKR3	0	0	0
SWAP70	0	0	0
GM17334	0	0	0
CARD6	0	0	0
TADA1	0	0	0
CRISPLD1	0	0	0
ZMYM1	0	0	0
GM17420	0	0	0
GM5421	0	0	0
PNP2	0	0	1
PPP4R1	0	1	0
TICRR	0	0	0
FAM83A	0	0	0
RPL30	0	0	0
GM8250	0	0	0
TCEANC	0	0	0
RC3H1	0	1	0
2310022A10RI	0	0	0
KHK	0	0	0
HPS6	0	0	0
ZFP60	0	0	0
ACTA2	0	0	0
MGAT4C	0	0	0
STXBP3	0	0	0
SHROOM1	0	0	0
BHLHE22	0	0	0
ACER2	0	0	0
GM15542	1	0	0
PLA2R1	0	0	0
AKT2	0	0	0
SLFN10-PS	0	0	0
MDM2	0	0	0
CTSC	0	0	0
FUNDC1	0	0	0
SLC35C1	0	0	0
ATR	0	0	0
GM5141	0	0	0
CNTNAP5A	0	0	0
NPTN	1	1	1
SMNDC1	0	0	0
MBD6	0	0	0
TAGLN3	0	0	0
H2-M2	0	0	0
ZBTB7C	0	0	0
IL1RAP	0	0	0
SIDT2	0	0	0

ANAPC2	0	0	1
RAB3B	0	0	0
GM43960	0	0	0
1110032A03RI	0	0	0
GM10134	0	0	0
PTPN11	0	0	0
DSEL	0	0	0
TAGAP	0	0	0
AA413626	0	0	0
DBIL5	0	0	0
EYA2	0	0	0
FAM171B	0	0	0
SUFU	0	0	0
MTTP	0	0	0
UBALD2	0	0	0
H2-Q10	0	0	0
GM10478	0	0	0
HS6ST2	0	0	0
PTP4A2	1	0	1
KBTBD6	0	0	0
TRIM37	0	0	0
HUS1B	0	0	0
CSF3	0	0	0
POLN	0	0	0
ETAA1	0	0	0
FXR2	0	1	1
RCAN3	0	0	0
GLS	0	0	0
APBA3	0	0	0
MAP7D3	0	0	0
PCDHGB2	0	0	0
ACSM1	0	0	0
MRPL15	0	0	0
SV2A	0	0	0
KCNA3	0	0	0
BEND4	0	0	0
EPHB4	0	0	0
HSPG2	0	1	1
NDE1	0	0	0
CHST15	0	0	0
ENTPD7	0	0	0
SDC2	0	0	1
STX17	0	0	0
SEH1L	0	0	0
GM10097	0	0	0
NMB	0	0	0
B230217C12RI	0	0	0
SYT17	0	0	0
PLBD1	0	0	0
CCDC138	0	0	0

NRXN1	0	0	0
BSN	0	0	0
UBC	0	0	0
ZMPSTE24	0	0	0
GM4707	0	0	0
CASP3	0	0	0
HOXB5	0	0	0
GLO1	0	0	0
PACSIN2	0	0	0
LAMTOR3	0	0	1
ZFP324	0	0	0
GMEB2	0	0	0
IFITM5	0	0	0
SMC3	0	0	0
D430042O09R	1	1	1
PAK3	1	0	0
GSDMC4	0	0	0
BTRC	0	0	1
ELMO3	0	0	0
LRGUK	0	0	0
SUSD5	0	0	1
DDX51	0	0	0
MCMBP	0	0	0
ADAMTS14	0	0	0
SECISBP2L	0	0	0
SLC8B1	0	0	0
LMF2	0	0	0
DIP2A	0	0	0
MCM10	0	0	0
BCLAF1	1	1	1
CNTROB	0	0	0
MGAT2	0	0	0
SGCD	0	0	0
CENPC1	0	0	0
GM2420	0	0	0
CDC26	0	0	0
FRK	0	0	0
HOMER2	0	0	0
TMEM200B	0	0	0
ELOVL5	0	0	0
SHISAL1	0	0	0
RPS8-PS1	0	0	0
FAM118B	0	0	0
MAPK8	0	0	0
STRN3	0	0	0
MROH8	0	0	0
GPRIN3	0	0	0
ATCAY	0	0	0
SPEER5-PS1	0	0	0
EML5	0	0	0

COX7A2L	0	0	0
RCOR1	1	0	1
LOXL3	0	1	0
D630039A03RI	0	0	0
GM18451	0	0	0
CYP27B1	0	0	0
OLFR157	0	0	0
DPH1	0	0	0
GM13436	0	0	0
GSTM5	0	0	0
RPL15-PS2	0	0	0
KSR2	0	0	0
EBP	0	0	0
KCNT2	0	0	0
NCBP3	0	0	0
4933427G23RI	0	0	0
TXK	0	0	0
ITIH2	0	0	0
CHRNA1	0	0	0
CADM1	0	1	0
GM13910	0	0	0
SIRPA	0	0	0
POP5	1	0	0
ACTN2	0	0	0
DDX31	0	0	0
CLDN1	0	0	0
GFRA2	0	0	0
GM10557	0	0	0
SOX8	0	0	0
MSH4	0	0	0
GLG1	0	0	0
GM14025	0	0	0
ATP5G2	0	0	0
FAM189B	1	0	0
TMPRSS11B	0	0	0
PCDHB21	0	0	0
BAIAP3	0	0	0
FAM228B	0	0	0
RPS27RT	0	0	0
FAP	0	0	0
DNM1	0	0	0
REG2	0	0	0
TSSK6	0	0	0
F8	0	0	0
TMEM107	0	0	0
GM4294	0	0	0
ANP32E	0	0	1
CD2	0	0	0
SIPA1	0	0	0
PPP3CC	0	0	0

AA414768	0	0	0
SLC15A2	0	0	0
AMD-PS3	0	0	0
PSPC1	0	0	0
RIN2	0	1	0
CROCC2	0	0	0
SENP1	0	0	0
MTMR10	0	0	1
FRG2F1	0	0	0
TGTP1	0	0	0
KDELR2	1	0	0
EHD2	0	0	0
ZFP354B	0	0	0
CLCC1	0	0	0
RPS23-PS2	0	0	0
MTREX	0	0	0
CENPO	0	0	0
GM11331	0	0	0
HS2ST1	0	0	0
DHX36	0	0	0
PIF1	0	0	0
OLFR1393	0	0	0
CXCR5	0	0	0
TRADD	0	0	0
ACOT7	0	1	0
FAM184B	0	0	0
WDTC1	0	0	0
EXD1	0	0	0
NRM	0	0	0
PDHX	0	0	0
4921524J17RIK	0	0	0
MBNL1	1	0	1
A330044P14RI	0	0	0
GAPDHS	0	0	0
SLC35D2	0	0	0
5430403G16RI	0	0	0
EI24	0	0	0
KCNE1L	0	0	0
GM10146	0	0	0
TCN2	0	0	0
GM10197	0	0	0
ENO3	0	1	0
SPIN1	1	0	0
FZD2	1	0	0
ANKK1	0	0	0
SLC14A1	0	0	0
BCOR	0	0	0
TMEM216	0	0	0
KPTN	0	0	0
REXO5	0	0	0

VCPIP1	0	0	0
ST3GAL5	0	0	0
POLG	0	0	0
BRINP2	0	0	0
DOCK11	0	0	0
GM18448	0	0	0
ANKS6	0	0	0
KIFAP3	0	0	1
RGS3	0	0	1
B3GNT4	0	0	0
TMEM163	0	0	0
SDR42E1	0	0	0
1700066M21R	0	0	0
PIGR	0	0	0
OLFR1278	0	0	0
GM8055	0	0	0
PPM1M	0	0	0
TVP23A	0	0	0
TOR4A	0	0	0
NDFIP1	0	0	0
COX4I2	0	0	0
SDC3	0	0	1
GIT1	0	0	0
NAV2	1	1	1
1110059G10RI	0	0	0
SOX5	0	0	0
RASSF9	0	0	0
ECH1	0	0	0
GM2539	0	0	0
HIST1H2BJ	0	1	0
KIF5B	0	0	0
GALNT1	1	0	1
GM47355	0	0	0
TNNI3	0	0	0
PPP4R3A	0	0	0
PCDHGA4	0	0	0
E4F1	0	0	0
JDP2	0	0	0
CNNM1	0	0	0
4933427D14RI	0	0	0
BEST1	0	0	0
RINT1	0	1	0
CCNL2	1	1	0
GRM4	0	0	0
ADAR	0	1	1
OASL1	0	0	0
SYNA	0	0	0
KCTD12	0	0	0
MUT	0	0	0
ADGRF4	0	0	0

BGLAP3	0	0	0
RBM41	0	0	0
DAPK2	0	0	0
SMAP2	0	0	0
RBM12B2	1	0	0
AKAP11	0	0	0
ACRBP	0	0	0
LRRCC1	0	0	0
NUPL1	0	0	0
AK157302	0	0	0
KCNJ4	0	0	0
H2-T10	0	0	0
CCDC68	0	0	1
PRTG	0	0	0
GBF1	0	0	1
4930444P10RI	0	0	0
DTX2	0	0	1
RNGTT	0	1	0
NCK1	0	0	0
OTUB2	0	0	0
MBL2	0	0	0
ZFP991	0	0	0
TSPAN3	0	0	0
LSM1	0	0	0
GM11127	0	0	0
PFN2	0	0	0
ZXDB	1	0	0
GM43110	0	0	0
GM6139	0	0	0
MED17	0	0	0
DMAP1	0	0	0
OLFR1	0	0	0
GM45739	0	0	0
ADGRG3	0	0	0
CST6	0	0	0
KLRA8	0	0	0
SORBS3	0	0	0
KIF7	0	0	0
GM14735	0	0	0
9830107B12RI	0	0	0
CHMP2B	0	0	0
FOXRED1	0	0	0
PLEKHA3	0	0	0
DPYS	0	0	0
GM20431	0	0	0
SERPINA1A	0	0	0
ASS1	0	0	0
CHRA1	0	0	0
SH2B3	0	0	0
KIFC1	0	0	0

BC107364	0	0	0
ZFHx4	0	0	0
AMHR2	0	0	0
RNF170	0	0	0
MRPL49	0	0	0
NT5C3	0	0	0
ACAP2	0	0	0
ZFP580	0	1	0
PRTN3	0	0	0
TRP63	0	0	0
CD274	0	0	1
SETD4	0	0	0
ZC3H10	0	0	0
LMO1	0	0	0
PXMP2	0	0	0
IL17RE	0	0	0
GNPNAT1	0	0	0
GM44578	0	0	0
RNF217	0	0	0
GRK1	0	0	0
NFASC	0	0	0
CCDC166	0	0	0
TWIST1	0	0	0
RAD51C	0	0	0
SLC25A38	0	0	0
GM12136	0	0	0
ALG3	0	0	0
FAM69A	0	0	0
RPS13-PS2	0	0	0
KAT2B	0	0	1
TTF1	0	0	0
INKA2	0	0	0
MEGF11	0	0	0
2610005L07RII	0	0	0
GPM6A	0	0	0
COLGALT1	0	0	0
MAFG	0	0	0
ZFP282	0	0	0
NICN1	0	0	0
CMA1	0	0	0
MB	0	0	0
GM3604	0	0	0
ARMCS	0	0	0
CEP295NL	0	0	0
USP22	0	0	0
ERG28	0	0	0
LIMK1	0	0	0
TPSAB1	0	0	0
CALR3	0	0	0
POU4F1	0	0	0

KLRI2	0	0	0
MAP3K13	0	0	0
LOXL2	0	0	1
GM37102	0	0	0
PPP1R9B	0	0	0
D130040H23RI	0	0	0
PDZD9	0	0	0
PCBD2	0	0	0
PMVK	0	0	0
CD109	1	0	0
SAP30L	0	0	0
CLPTM1	0	0	0
IMMP2L	0	0	1
KRIT1	0	1	1
PODXL2	0	0	0
D130043K22RI	0	0	0
CD93	0	0	0
NUP98	0	0	0
GM47356	0	0	0
HSD17B2	0	0	0
ZFP260	0	0	1
PCDHB9	0	0	0
ZFP451	0	0	0
SLC27A3	0	0	0
GM7887	0	0	0
SELENBP2	0	0	0
RSPH4A	0	0	0
PLEKHG1	0	0	0
NOTCH2	0	0	1
CDK19	0	0	0
PCGF3	0	0	0
THYN1	0	0	0
TMPRSS6	0	0	0
SMC1A	0	0	0
ADGRF3	0	0	0
MGAM	0	0	0
GM15994	0	0	0
RPL7A-PS5	0	0	0
ELF4	0	0	0
AZI2	0	0	0
GPR37L1	0	0	0
MRPL42	0	0	0
ITSN1	0	1	0
ZFP784	0	0	0
SCARF2	0	0	0
SNHG11	0	0	0
KDM4C	0	0	0
CLEC12B	0	0	0
NRCAM	0	0	0
NABP2	0	0	0

FABP12	0	0	0
IOC0044D17RII	0	0	0
ENOX1	0	0	0
SAPCD1	0	0	0
VMN2R10	0	0	0
TSPYL2	0	0	0
PLLP	0	0	0
SUPV3L1	0	0	0
CYP20A1	0	0	0
EBI3	0	0	0
FAM169A	0	0	1
SERPINA1E	0	0	0
ZFP384	0	1	0
RETSAT	0	0	0
BANK1	0	0	0
AXL	0	0	0
MUM1L1	0	0	0
IRAK3	0	0	0
MORN2	0	0	0
TAF12	0	0	1
TERF2IP	0	0	0
GM13414	0	0	0
CYP2F2	0	0	0
LYPD5	0	0	0
ADRB2	0	0	0
ACVR2B	0	0	0
SMCHD1	0	0	0
FAM227B	0	0	0
ORM1	0	0	0
TRIM62	0	0	0
GM8430	0	0	0
ATAD2B	0	0	0
CCDC78	0	0	0
MCTP2	0	0	0
GNAL	1	0	0
PAFAH1B1	0	0	0
AVEN	0	0	0
PWP1	0	0	0
TMC3	0	0	1
GJA4	0	0	0
AVL9	0	0	0
MT-ND3	0	0	0
ATXN1	0	0	0
STAMBP	0	0	0
TMEM150B	0	0	0
CCDC173	0	0	0
GM11353	0	0	0
FXD2	0	0	0
PCYOX1L	0	0	0
GM15772	0	0	0

CXCR3	0	0	0
GM4853	0	0	0
DIAPH2	0	0	1
ZFP229	0	0	0
AW822252	0	0	0
GM15878	0	0	0
PI15	0	0	0
KIF17	0	0	0
ZFP78	0	0	0
CKS1B	0	0	0
TNIK	0	0	0
PPP1R13B	0	0	0
TPSB2	0	0	0
ALX4	0	0	0
NT5DC3	0	0	1
TCTEX1D2	0	0	0
GRINA	0	1	1
MAPK1	0	1	1
BCAM	0	0	0
PNN	0	0	0
DNAJB1	0	0	0
PON2	0	0	0
CXCL9	0	0	0
APOL6	0	0	0
RBM39	0	0	0
ARL10	0	0	0
GLRB	0	0	0
LRRC56	0	0	0
MAP3K20	1	0	1
GM4791	0	0	0
PHLDA1	1	0	0
MUSTN1	0	0	0
BHLHA15	0	0	0
GLIS3	0	0	0
MYRFL	0	0	0
VPS50	0	0	1
SELENOO	0	0	0
INPP5F	0	0	0
ADGRD1	0	0	0
GM3194	0	0	0
PDE3B	0	0	0
PDIA5	0	0	0
ALOX5	0	0	0
PPM1E	0	0	0
TPRGL	0	0	0
TRBC1	0	0	0
HPF1	0	1	1
NXPH4	0	0	0
STYK1	0	0	0
IRF2	0	0	0

POLR2C	0	0	0
EVA1B	0	0	0
IFIT3B	0	0	0
MCFD2	0	0	0
B3GALT4	0	0	0
TRIM38	0	0	0
NAB1	0	0	0
RFX5	0	0	0
SPG21	0	0	0
TRA2A	0	0	0
ALDH1L1	0	0	1
ZC3HAV1	0	0	0
H2-KE6	0	0	0
NWD1	0	0	0
FAM13A	0	0	0
GM5697	0	0	0
KDELR1	0	0	0
GM5784	0	0	0
ENSMUSG000C	0	0	0
RP2	0	0	0
GCKR	0	0	0
PDCL	0	0	0
RBBP6	0	1	0
ISLR2	0	0	0
TTC12	0	0	0
ZFP677	0	0	0
SELENOI	0	0	1
KBTBD11	0	0	0
COLEC10	0	0	0
NPAS1	0	0	0
CACNG2	0	0	0
TSPAN11	0	0	0
WDR86	0	0	0
2810004N23RI	0	0	0
LSM7	0	0	0
RANBP9	0	0	0
BHMT2	0	0	0
TSX	0	0	0
GM42642	0	0	0
NIT2	0	0	0
ELOVL6	0	0	1
GOLGA3	0	0	0
FAAP100	0	0	0
OLFR536	0	0	0
USP13	1	0	0
OLFR635	0	0	0
PRPS1L1	0	0	0
MEPCE	0	0	0
ST6GALNAC3	0	0	0
MGA	0	0	1

GABRB1	0	0	0
ABHD5	0	0	0
GM20403	0	0	0
MTF2	0	0	0
GRIN2D	0	0	0
LENG9	0	0	0
CDIPTOS	0	0	0
PLEKHG2	0	0	0
SULT6B2	0	0	0
DENND2D	0	0	0
TCTA	0	0	0
HTATIP2	0	0	0
AP2B1	0	0	0
PCLAF	0	0	0
BCO1	0	0	0
CASP7	0	0	0
GM3739	0	0	0
MGST2	0	0	0
3110053B16RI	0	0	0
GM13408	0	0	0
NDUFAB1-PS	0	0	0
KDM6B	0	0	0
MPZL2	0	0	0
PRPS1L3	0	0	0
CIB3	0	0	0
ZRANB3	0	0	0
AFMID	0	0	0
SHISA9	0	0	0
OXTR	0	0	0
OPHN1	0	0	0
SUMF2	0	0	0
AARS2	0	0	0
HDGFL3	0	0	0
PTGR2	0	1	0
LRIG2	0	0	0
SNX9	0	0	0
GM2115	0	0	0
MSX2	0	0	0
OLFR633	0	0	0
TRIP13	0	0	0
CDK8	0	0	1
CHCHD10	1	0	0
GM14276	0	0	0
SCGB1C1	0	0	0
LARP4	0	0	0
ZFHX3	0	0	1
NGFR	0	0	0
CFAP58	0	0	0
MTFMT	0	0	0
TOR2A	0	0	0

OLFR478	0	0	0
NAALADL2	0	0	0
LRRC46	0	0	0
CADM2	0	0	0
SEMA3C	0	0	0
CCDC13	0	0	0
NDUFAF4	0	1	0
TIAM2	0	0	0
MICALL2	0	0	0
RAB11FIP2	0	0	0
CAPRIN2	0	0	0
RASIP1	0	0	0
RORA	0	0	1
RGS7	0	0	0
ABTB1	0	0	0
ARCN1	0	0	0
PRDX3	0	0	0
CCDC142	0	0	0
SHARPIN	0	0	0
OSGIN2	0	0	0
GM10269	0	0	0
FUK	0	0	0
P2RY10B	0	0	0
CLK1	0	0	0
TTC4	0	0	0
AKAP12	0	0	0
DLGAP5	0	0	0
GM10277	0	0	0
DGKI	0	0	0
NUDT16	0	0	0
OLFR6	0	0	0
COPG2	0	0	0
THSD7A	0	0	0
PAXBP1	0	0	0
KLHL34	0	0	0
UBE2J1	0	0	0
ATP8B2	0	0	0
ANG	0	0	0
NR5A2	0	0	0
GM20521	0	1	0
ANGEL2	0	1	0
TM4SF4	0	0	0
NMI	0	0	0
GM9057	0	0	0
NR2F2	0	0	0
INSIG1	0	0	0
IDH3G	0	0	0
SMIM26	0	0	0
B4GALNT2	0	0	0
HSPA9	0	0	0

AKAP17B	0	0	0
KLK9	0	0	0
GM5518	0	0	0
SRRM1	0	0	0
NNMT	0	0	0
SYNPO	0	0	0
PHF11A	0	0	0
TRIM39	0	0	0
SEMA3F	0	0	0
ZBTB42	0	0	0
GM10481	0	0	0
SMAGP	0	0	0
OLFR281	0	0	0
GM13305	0	0	0
GM29793	0	0	0
SGK2	0	0	0
LRCH3	0	0	0
CMTM6	0	0	0
GCGR	0	0	0
IKZF2	0	0	0
SESTD1	0	0	0
PDRG1	0	0	0
CSF1R	0	0	1
SKA3	0	0	0
RAB11B	0	0	0
ADAMTS18	0	0	0
GM5917	0	0	0
UBN2	0	1	1
UGGT2	0	0	0
WDR66	0	0	1
NPHS1	0	0	0
YES1	0	1	0
PTDSS1	0	0	0
COX6B2	0	0	0
PNMA1	0	0	0
2700097009RI	0	0	0
SCPEP1	0	0	0
TRIML1	0	0	0
OLFR1454	0	0	0
CHCHD2-PS	0	0	0
FAM149A	0	0	0
BCKDHB	0	0	1
GM3512	0	0	0
ENSMUSG000C	0	0	0
NUP214	0	0	1
CDK7	0	0	0
PSME4	0	1	0
GPR3	0	0	0
CES1C	0	0	0
PPP3CA	1	0	1

HSP90AB1	0	0	0
GALNT10	0	0	0
NOS3	0	0	0
OLFR1471	0	0	0
CATSPERZ	0	0	0
FBXO6	0	0	0
GM19684	0	0	0
PCTP	0	0	0
P2RY4	0	0	0
ANKRD61	0	0	0
DSTYK	0	0	0
SH2D4B	0	0	0
HSF2	0	0	0
ADH6B	0	0	0
DTX1	0	0	0
GPAT4	0	0	0
SHISA6	0	0	0
GM18853	0	0	0
PISD-PS1	1	0	0
GRIA3	0	0	1
ABI3BP	0	0	1
BAG4	0	0	0
TRIM5	0	0	0
CNTN3	0	0	0
0610012G03RI	0	0	0
ADCY3	0	0	0
6430550D23RI	0	0	0
PSTK	0	0	0
TGFB1	0	0	0
PTK6	0	0	0
IRX5	0	1	0
NUPR1L	0	0	0
CATSPER3	0	0	0
SLC1A2	0	0	0
FADS1	0	0	0
LACC1	0	0	0
NOTCH4	0	0	0
37316	0	0	0
RASSF4	0	0	0
APEH	0	0	0
YEATS4	0	0	0
CLIP4	1	1	1
RWDD2B	0	0	0
RPL31-PS9	0	0	0
GM12537	0	0	0
PPP5C	0	0	0
LIPO2	0	0	0
MEX3D	0	0	0
OLFR1173	0	0	0
GM13423	0	0	0

LRRC71	0	0	0
1700061G19RI	0	0	0
PCSK5	0	0	0
LSM14A	0	0	0
KIF18A	0	0	0
HNF4A	0	0	0
FBXO8	0	0	1
GM8189	0	0	0
SH3TC1	0	0	0
PTPA	1	0	1
CCDC170	0	0	0
FGF14	0	0	0
GM9892	0	0	0
GM15784	1	0	0
MGAT1	0	0	0
ANGPT2	0	0	0
RPP40	0	0	0
GM7860	0	0	0
PPP1CB	1	1	0
LAYN	0	0	0
CT868723.1	0	0	0
ANXA4	0	0	0
GPN3	0	0	0
SCARB2	0	0	0
PTPRE	0	0	0
OSCP1	0	0	0
MTHFD1	1	0	0
NKAPD1	0	0	0
OLFR727	0	0	0
GM10566	0	0	0
ETS2	0	0	0
SDK2	0	0	0
ORM2	0	0	0
HIST1H3G	0	0	0
ROBO4	0	0	0
GABRB2	0	0	0
CANT1	0	0	0
NDUFA9	0	0	0
MFSD11	1	0	1
PHF10	0	0	0
CLRN1	0	0	0
TMEM115	0	0	0
AMPD2	0	0	0
NDUFA13	0	0	0
GM15191	0	0	0
RYK	0	0	0
OLFR843	0	0	0
NSFL1C	0	0	0
N4BP3	0	0	0
CYP11A1	0	0	0

INVS	0	0	0
CERCAM	0	0	0
ZC4H2	0	0	0
SLC22A21	0	0	0
WNK3	0	0	0
LY6D	0	0	0
GM21994	0	0	0
GM15798	0	0	0
OLFR366	0	0	0
EDN3	0	0	0
4933407L21RII	0	0	0
CCDC12	0	0	0
TRIM15	0	0	0
SULT1A1	0	0	0
ATG9A	0	0	0
NKX2-5	0	0	0
MCM2	0	0	0
PSG17	0	0	0
CCL19	0	0	0
ATP2B1	0	0	1
MPZL3	0	0	0
ZFP788	0	0	0
DDX55	0	0	0
SPAG4	0	0	0
PPT1	0	0	0
2410131K14RII	0	0	0
CATSPERG1	0	0	0
APPBP2	0	0	0
FBLN2	0	0	0
MYOT	0	0	0
TMEM184B	0	0	0
FAM76B	0	0	0
ZFP647	0	0	0
HOXB2	0	0	0
FMO1	0	0	0
CLK2	1	1	0
BEND6	0	0	0
IFI208	0	0	0
GPATCH1	0	0	0
NOL4L	0	0	0
AW551984	0	0	0
UGT2B1	0	0	0
CYP2C50	0	0	0
CSTF1	1	0	0
COL9A2	0	0	1
SLC36A4	0	0	0
PROC	0	0	0
CDK5	0	0	0
EGFL6	0	0	0
IRAK2	0	0	0

DDR2	0	0	0
CHST10	0	0	0
GPR89	0	0	0
ZBPB	0	0	0
USP17LC	0	0	0
TBX20	0	0	0
4930426L09RII	0	0	0
PTCRA	0	0	0
PMF1	0	0	0
ENSMUSG000C	0	0	0
REXO4	0	0	0
FAM216A	0	0	0
UNC93A	0	0	0
HAP1	0	0	0
HSPE1-PS4	0	0	0
TMEM104	0	0	0
DYNC1LI1	0	0	0
VSIG10	0	0	0
GCF2	0	0	0
GM10702	0	0	0
MAP1S	0	0	0
GM26992	0	0	0
SHANK1	0	0	0
FAM229B	0	0	0
SLC25A31	0	0	0
FAM83E	0	0	0
AKAIN1	0	0	1
GM527	0	0	0
FLII	0	0	0
SPINK4	0	0	0
GFPT1	0	0	0
RHEB	0	0	0
HDDC2	0	0	0
PCGF2	0	0	0
POLR1B	0	0	0
PRDX2	0	1	0
OLFR552	0	0	0
GREB1L	0	0	1
GNG4	0	0	0
NDUFB10	0	0	0
SGTB	0	0	0
HSPA8	1	1	1
GM2274	0	0	0
ENDOU	0	0	0
ADGRL3	0	0	1
MOXD1	0	0	0
LY6G6D	0	0	0
ADGRG1	0	0	0
SHQ1	0	0	0
MAPK1IP1	0	0	0

GM16574	0	0	0
SPATA33	0	0	0
SPEN	0	0	0
PIGYL	0	0	0
GM3383	0	0	0
GBP8	0	0	0
CGN	0	0	0
MUG2	0	0	0
GM6680	0	0	0
ARV1	0	0	1
CYP2C29	0	0	0
PCP4L1	0	0	0
LGALS8	0	0	0
TRIT1	0	0	0
UNC5A	0	0	0
HSPA1B	0	0	0
TMEM62	0	0	0
GART	0	0	0
IPO11	0	0	0
4931406B18RI	0	0	0
DDRKG1	0	0	0
TM7SF3	0	0	0
AFM	0	0	1
GM8520	0	0	0
WDR62	0	0	0
G3BP2	0	0	0
CRX	0	0	0
GNPDA1	0	0	0
PTRH2	0	0	0
DLG4	1	0	0
ATL3	0	0	1
IPMK	0	0	0
ZFP263	0	0	1
OTUD4	0	0	1
MS4A1	0	0	0
EPHA2	0	0	0
AHSA1	0	0	0
CCDC17	0	0	0
WTIP	0	0	0
SIAH1B	0	0	0
POLB	0	0	0
SLC16A14	0	0	0
GM7061	0	0	0
TAOK2	0	0	0
ZFP865	0	0	0
GM45834	0	0	0
MFF	0	0	1
CNTRL	0	0	0
FADS2	0	0	0
POC5	0	0	0

MRPS9	0	0	0
GM2260	0	0	0
GRAMD1A	0	0	0
RRAGD	0	0	0
ARHGAP32	0	0	1
EMCN	0	0	0
ZXDC	0	0	0
RBBP4	0	0	0
5730507C01RI	0	0	0
BFSP2	0	0	0
ADORA3	0	0	0
VAMP7	0	0	0
STX1A	0	0	0
GM14387	0	0	0
FAM213B	0	0	0
MAN2B1	0	0	0
CD8A	0	0	0
UBE2E1	0	0	0
LAO1	0	0	0
GAS8	0	0	0
AP4S1	0	0	1
CHST12	0	0	0
9530077C05RI	0	0	0
HIST2H4	0	0	0
4933428G20RI	0	0	0
CCDC146	0	0	0
RPS2-PS6	0	0	0
GIMAP1	0	0	1
NR1I3	0	0	0
PIWIL4	0	0	0
PNPLA8	0	0	0
GM44524	0	0	0
CNOT9	1	1	0
GM7357	0	0	0
SLC43A1	0	0	0
GM14730	0	0	0
ZFP456	0	0	0
ZFP869	0	0	0
GADD45A	0	0	0
SKI	0	0	0
UHRF1	0	0	0
POLK	0	0	0
SPIDR	0	0	0
PROSER1	0	0	0
STARD13	0	0	0
MAP7D2	0	0	0
WNK1	0	0	0
GSTM1	0	0	0
MAN2C1	0	0	0
ZFP9	0	0	0

ZFP36L1	0	0	0
ODR4	0	0	0
COQ4	0	0	0
2610301B20RI	0	0	0
GEMIN8	0	0	0
CIT	0	0	1
ACBD6	0	1	0
3830403N18RI	0	0	0
4833420G17RI	0	0	0
E030030I06RIK	0	0	0
FAM20A	0	0	0
SMIM10L1	0	0	0
CAPN5	0	0	0
SWT1	0	0	0
SLC33A1	0	0	0
GM9877	0	0	0
UBE3C	0	0	0
NPL	0	0	0
WDFY2	0	0	0
TEDC1	0	0	0
4930526A20RI	0	0	0
IRGQ	0	0	0
FBXO4	0	0	0
GGPS1	0	0	0
GM6254	0	0	0
GSAP	0	0	0
STX18	0	0	0
TRIP6	0	0	0
GNAQ	0	0	0
TRIM52	0	0	0
ST6GALNAC1	0	0	0
COPA	0	1	0
GM8493	0	0	0
OLFR668	0	0	0
FREM1	0	0	0
PLK1	1	0	0
EHMT1	0	0	0
SLC17A8	0	0	0
SHOX2	0	0	0
SEMA4C	0	0	0
G3BP1	1	0	1
GM16477	0	0	0
LIN54	0	0	0
AHSG	0	0	0
KCTD8	0	0	0
UOX	0	0	0
SERPINA1C	0	0	0
CIAO1	0	0	0
MNS1	0	0	0
ZKSCAN1	0	0	0

LRFN3	0	0	0
MYLIP	0	0	0
SARS2	0	0	0
PIGX	0	0	0
DNMT3B	1	1	1
CLK3	0	0	0
PTGES	0	0	0
TDO2	0	0	0
TEKT2	0	0	0
NKG7	0	0	0
STX7	0	0	0
TRIQK	0	0	0
PBX3	0	0	0
SPIRE1	0	0	0
CNKSR2	0	0	0
HSD3B7	0	0	0
DDB1	0	1	0
IGHM	0	0	0
LATS2	0	0	0
ENSMUSG000C	0	0	0
HCN3	0	0	0
GM3755	0	0	0
CSK	0	0	0
TNFRSF18	0	0	0
RELN	0	0	0
PRMT9	0	0	0
RPL10	0	0	0
PTHLH	0	0	0
KCTD17	0	0	0
INTS10	0	0	0
HTR2A	0	0	0
CYB5D2	0	0	0
OLFR354	0	0	0
CALML4	0	0	0
LRRC10B	0	0	0
THY1	0	0	0
HYLS1	0	0	0
ESPL1	0	0	0
RNF216	0	0	0
IRF4	0	0	0
OLFR802	0	0	0
MUP17	0	0	0
C1QL3	0	0	0
GM16089	0	0	0
KRR1	0	0	0
ELAVL3	0	0	0
YWHAQ	0	0	0
MYL12B	0	0	0
GALNT16	0	0	0
ZIC5	0	0	0

ZFP831	0	0	0
GPRASP1	0	0	0
ITPKA	0	0	0
RFC1	0	0	0
RANGRF	0	0	0
ABCG2	0	0	0
SOD3	0	0	0
CDC42BPB	0	0	0
C1QA	0	0	0
GM9970	0	0	0
PMPCB	0	1	0
GZMM	0	0	0
CSNK1A1	1	0	0
MT-ATP8	0	0	0
CELA2A	0	0	0
ANKRD27	0	0	0
DCTD	0	0	0
SLC39A10	0	0	0
NEK3	0	0	0
EIF2B4	0	0	0
GLIS2	0	0	0
CYP2E1	0	0	0
RIPOR1	0	0	1
CDC14A	0	0	0
WNT16	0	0	0
UCLH4	0	0	0
CCDC191	0	0	0
RPUSD3	0	0	0
RNF215	0	0	0
RNASET2A	0	0	0
FNDC4	0	0	0
BAK1	0	0	0
HSPA1A	0	0	0
PMS2	0	0	0
CYP2R1	0	0	0
CTNBL1	0	0	0
9530053A07RI	0	0	0
NFKB2	0	0	0
FURIN	0	0	0
PSG19	0	0	0
FBXW19	0	0	0
LEMD3	0	0	0
GM21962	0	0	0
ESM1	0	0	0
ICA1L	0	0	0
PDE6A	0	0	0
SLC4A8	1	0	1
RIMS2	0	0	0
PROKR2	0	0	0
BPTF	0	0	0

9430025C20RI	0	0	0
SNCG	0	0	0
PSG29	0	0	0
IGLC2	0	0	0
AI429214	0	0	0
ADGRE4	0	0	0
RMI1	0	0	0
MYG1	0	0	0
METRNL	0	0	0
FKBP3	0	0	0
GM14042	0	0	0
5031410I06RIk	0	0	0
ITGB1BP2	0	0	0
ARHGEF16	0	0	0
GM5819	0	0	0
SLX4IP	0	0	0
CLCN6	0	0	0
TCF3	0	0	0
TERF2	0	0	0
SERP2	0	0	0
NCSTN	0	0	0
CAVIN4	0	0	0
ALPK2	0	0	0
GPR153	0	0	1
MFAP1B	0	0	0
RPL3-PS2	0	0	0
GM12350	0	0	0
6430531B16RI	0	0	0
DHX30	0	0	0
MEGF10	0	0	0
FAM76A	0	0	0
ZFP455	0	0	0
TRMU	0	0	0
ENO1	1	1	1
GM20458	0	0	0
TUBGCP6	0	0	0
AMFR	0	0	0
PZP	0	0	0
RNF168	0	0	0
ZFP558	0	0	0
AQP6	0	0	0
SYNJ2BP	0	0	0
SERPINA1D	0	0	0
MED22	0	0	0
VAMP4	0	0	1
ATP7A	0	0	1
TRIM43B	0	0	0
CDR2L	0	0	0
IFFO1	1	1	0
MFSD13A	0	0	0

HIC1	0	0	0
TBX15	0	0	0
GRB2	0	0	0
SCMH1	0	0	0
MID1IP1	0	0	0
INAFM1	0	0	0
SLK	0	0	1
STAG2	0	0	0
SLC37A3	0	0	0
ARHGEF10	1	0	1
THBS3	0	0	0
CCAR2	0	0	0
RIC1	0	0	0
SLC52A3	0	0	0
SIAE	0	0	0
ZFP984	0	0	0
OAS1A	0	0	0
TUBGCP4	0	0	1
GM5905	0	0	0
TOB1	1	1	1
PRKD2	1	1	0
TBX2	0	0	0
GATAD2B	0	0	0
SMURF2	0	0	0
NAT8F2	0	0	0
FAM243	0	0	0
FGD5	0	0	0
PTPRU	0	0	0
MTMR9	0	0	0
APOF	0	0	0
PRSS51	0	0	0
DRD1	0	0	0
DDX46	0	0	0
LRIG3	0	0	0
DNAJC21	0	0	0
HMGCS1	0	0	0
NRG1	0	0	0
VWA5B2	0	0	0
D11WSU47E	0	0	1
GM6939	0	0	0
SYT13	0	0	0
AJUBA	0	0	0
JRK	0	0	0
MUP19	0	0	0
SFRP2	0	0	0
SCD1	0	0	0
INSIG2	0	0	0
RPS26-PS1	0	0	0
GDF11	0	0	0
C6	0	0	0

ZFP639	0	0	0
PTPRO	0	0	0
CCS	0	0	0
GM7337	0	0	0
DHX57	0	0	0
GM16184	0	0	0
PUS10	0	0	0
MFAP3	0	0	0
NAA10	0	0	0
DNAJC13	0	0	0
NGEF	0	0	0
MUM1	1	0	1
CYP4F13	0	0	0
GM12504	0	0	0
E130308A19RI	0	0	0
OLFR127	0	0	0
ZFP780B	0	0	0
MITD1	0	0	0
ITM2B	0	0	0
FIZ1	0	0	0
PREX2	1	0	1
DCTN4	0	0	0
EFCAB5	0	0	0
EDEM3	0	0	0
OLFR1484	0	0	0
B630019K06RI	0	0	0
GM5431	0	0	0
NOC2L	0	0	0
DYX1C1	0	0	0
E430018J23RIk	0	0	0
TRIM71	0	0	0
ANKS3	0	0	0
RNF144A	0	0	0
OLFR374	0	0	0
DIO2	0	0	0
GRIA1	0	0	0
PTGES3L	0	0	0
TRIM36	0	0	0
ZFYVE28	0	0	0
NFATC2IP	0	0	0
ZFP180	0	0	1
ATP6V0D2	0	0	0
FAM172A	0	0	0
ORC5	0	0	0
FBXO22	0	0	0
2310033P09RII	0	0	0
PI4KA	0	0	0
ENOPH1	1	0	0
AVP	0	0	0
ACADVL	0	0	0

FSBP	0	0	0
SPARC	0	0	0
GM6733	0	0	0
RPA2	0	0	0
2610042L04RII	0	0	0
OLFR1358	0	0	0
TTC14	1	1	0
ABRAXAS2	0	0	0
SCGB1A1	0	0	0
GM2004	0	0	0
PREX1	0	0	0
MFSD14B	0	0	0
GM10039	0	0	0
RHEBL1	0	0	0
ESS2	0	0	0
PRDM1	0	0	0
SLC35A5	0	0	0
PKD2L2	0	0	0
M1AP	0	0	0
PTN	0	0	0
DYNLL2	0	0	0
IFITM7	0	0	0
MRPS5	0	0	0
GM7336	0	0	0
RAB14	0	0	0
GM28043	0	0	0
SLC25A39	0	0	0
BMP5	0	0	0
JPH1	0	0	0
SPC24	0	0	0
NMT1	0	0	0
GM43615	0	0	0
THSD1	0	0	0
WDR34	0	0	0
NIPAL4	0	0	0
ZBTB3	0	0	0
OLFR509	0	0	0
SPRN	0	0	0
SYT5	0	0	0
TTC9B	0	0	0
ARHGEF40	0	0	0
SNX29	0	0	0
SHMT1	0	0	0
ZFP141	0	0	0
NCAPH	0	0	0
TBP	0	0	0
PDIA4	0	0	0
OAS1C	0	0	0
GLIS1	0	0	0
CAPN2	0	0	0

SKA1	0	0	0
GM6210	0	0	0
TMEM240	0	0	0
XLR	0	0	0
TCEAL7	0	0	0
GM26712	0	0	0
GDPGP1	0	0	0
RPE	0	0	0
KCTD19	0	0	0
MAMDC4	0	0	0
CPEB2	1	1	1
SLC26A7	0	0	0
RBP4	0	0	0
MED4	0	0	0
IP6K3	0	0	0
ANGPTL6	0	0	0
ERCC6L	0	0	0
XRR1	0	0	0
TTC38	0	0	0
GM21860	0	0	0
GM21748	0	0	0
PLEK2	0	0	0
ZMYND15	0	0	0
SUCLG1	0	0	0
MSANTD4	0	0	0
HDHD3	0	0	0
THOP1	0	0	0
PDIA3	1	1	0
DMP1	0	0	0
RNF135	0	0	0
RHBDF1	0	0	0
ST6GAL1	0	0	0
ZFP300	0	0	0
ASH1L	0	1	1
APLF	0	0	0
LASP1	0	0	1
RFX2	0	0	0
TNNI3K	0	0	0
CLN5	0	0	0
MUL1	0	0	0
CTRC	0	0	0
MSLN	0	0	0
AJM1	0	0	0
CEACAM19	0	0	0
AMOTL1	0	0	0
CYP8B1	0	0	0
TMEM131L	0	0	0
RSPH3B	0	0	0
MAML3	0	0	0
TUBGCP2	0	0	0

XRCC5	0	0	0
VIRMA	0	0	0
GM20422	0	0	0
KRT7	0	0	0
SLC3A1	0	0	0
EIF2A	0	0	0
LRRC18	0	0	0
LINGO1	0	0	0
GPI1	0	0	0
LLGL1	0	0	0
WDR24	0	0	0
HIST2H2BE	0	0	0
PSKH1	0	0	0
FCMR	0	0	0
NRIP1	0	0	0
IRF6	0	0	0
ETS1	0	1	0
SOX10	0	0	0
ZGLP1	0	0	0
OLFR111	0	0	0
EIF2AK3	0	0	0
BEND5	0	0	0
R3HDM1	0	1	1
GM42857	0	0	0
GM2225	0	0	0
MIS12	0	0	0
TAS1R1	0	0	0
MAP7D1	0	0	0
GM13302	0	0	0
TOX2	0	0	0
LDB1	0	0	0
AUNIP	0	0	0
DNASE1L1	0	0	0
R3HCC1	0	0	0
SYTL3	0	0	0
GRIK4	0	0	0
SIX4	0	0	0
FBRS	0	1	0
ZMAT3	0	0	0
1110059E24RII	0	0	0
LSP1	0	0	0
APLP1	0	0	0
GM44212	0	0	0
RBM10	0	1	0
GM17402	0	0	0
PHEX	0	0	0
PPP2R5C	0	0	0
ZFP101	0	0	0
ATL2	0	0	0
BNC2	0	0	0

IFI206	0	0	0
CPNE5	0	0	0
PRKAG3	0	0	0
RASSF10	0	0	0
AL611930.1	0	0	0
TEPSIN	0	0	0
LZTS1	0	0	0
IGSF23	0	0	0
GPR62	0	0	0
UNC93B1	0	0	0
GOPC	0	0	0
RSPH1	0	0	0
PCDHAC2	0	0	0
GM15953	1	0	0
CDS1	0	0	0
SH3BGR	0	1	1
STK39	0	0	0
CBLN3	0	0	0
GM3854	0	0	0
RAD1	0	0	0
TICAM1	0	0	0
RHO	0	0	0
MYH14	0	0	0
ZFP444	0	0	0
SDHAF2	0	0	0
RAB34	0	0	0
OLFR740	0	0	0
NET1	0	0	0
LAMA4	0	0	0
AURKA	0	0	0
RNASEH2A	0	0	0
TCF19	0	0	0
GM10020	0	0	0
EEF2KMT	0	0	0
TXNIP	1	1	0
GM28551	0	0	0
IL2RB	0	0	0
RBL1	0	0	0
DUSP14	0	0	0
SLC25A44	0	0	0
GZMA	0	0	0
GM10260	0	0	0
GM45717	0	0	0
GM10709	0	0	0
TMEM165	0	0	0
FLRT1	0	0	0
EME1	0	0	0
PAIP2	0	0	0
LETMD1	0	0	0
CAV1	0	0	0

IQCH	0	0	0
RPS24-PS3	0	0	0
ZFP213	0	0	0
GM1818	0	0	0
ROCK1	0	0	0
ZFP518A	0	0	0
ZFP777	0	0	0
MAP3K1	0	0	0
TIMM22	0	0	0
TMEM18	0	0	0
GNAT1	0	0	0
ALB	0	0	0
GM7730	0	0	0
CYP2D9	0	0	0
DUSP12	0	0	0
MS4A6B	0	0	0
MFSD9	0	0	0
OLFR691	0	0	0
DRP2	0	0	0
GSDMA2	0	0	0
ILDR1	0	0	0
NKRF	0	0	0
LYPD2	0	0	0
GM15846	0	0	0
CDHR3	0	0	0
FRS2	0	0	0
CAMTA1	0	0	0
CKB	0	0	0
PDE1A	0	0	0
HAO1	0	0	0
ZFP422	0	0	0
WWOX	0	0	0
1700057G04RI	0	0	1
DLX1	0	0	0
RAG2	0	0	0
MCMDC2	0	0	0
HACD2	0	0	1
PIIP5K1	0	0	0
ASPG	0	0	0
CYP2C23	0	0	0
VIL1	0	0	0
OLFR323	0	0	0
FKBP11	0	0	0
GM10157	0	0	0
CRP	0	0	0
OLFR68	0	0	0
RAPGEF4	0	0	0
PHETA2	0	0	0
SHMT2	0	0	0
ADAMTS20	0	0	0

MYO1E	0	0	1
GM13769	0	0	0
KCNAB1	0	0	0
CRYBG2	0	0	0
E2F7	1	0	0
PKHD1L1	0	0	0
PRSS35	0	0	0
MAPK15	0	0	0
SC5D	0	0	0
GAS2L1	0	0	0
GM9800	0	0	0
NCOA4	0	0	0
COQ10B	0	0	1
1700024J04RIk	0	0	0
TMEM161A	0	0	0
MAGEH1	0	0	0
OLFR117	0	0	0
DEPDC7	0	0	0
MYO7A	0	0	0
ENO2	0	0	0
RSPH10B	0	0	0
SFI1	0	0	0
XPR1	0	0	0
ZFP423	0	0	0
ZFP711	0	0	0
SYS1	0	0	0
SMAD2	0	0	0
BDNF	0	0	1
PIGN	0	0	0
OLFR709-PS1	0	0	0
RPS6KC1	0	0	0
ASF1B	0	0	0
MED14	0	0	0
MLLT11	0	0	0
TRAPPC2	0	0	0
GM10330	0	0	0
TTLL7	0	0	0
TTL	0	0	0
GM5566	0	0	0
SLC20A1	0	0	0
GRIK2	0	0	0
TMEM63C	0	0	0
BRAF	0	0	0
OLFR188-PS1	0	0	0
GM12416	0	0	0
RNF130	0	0	0
DCPS	0	0	0
HHAT	0	0	0
DHX16	0	0	0
PEAR1	0	0	0

DEGS2	0	0	0
NR4A3	0	0	0
CREB1	0	0	0
KLHL20	0	0	0
UVSSA	0	0	0
MAG	0	0	0
GPR182	0	0	0
EMC9	0	0	0
TMEM176B	0	0	0
FAM71D	0	0	0
GM5460	0	0	1
RPS7	0	0	0
DDX4	0	0	0
ARL4C	0	0	0
MIER2	0	0	0
ANAPC1	0	0	0
LPAR6	0	0	0
ECT2L	0	0	0
TMX2	0	0	0
CEP85L	0	0	0
SLC50A1	0	0	0
CRTC2	0	1	0
CAMSAP2	0	0	0
ZMYM6	0	0	0
SLC22A15	0	0	0
MALL	0	0	0
SIRT2	0	0	0
ART1	0	0	0
RPN1	0	0	0
SNX33	0	0	0
CTBP2	0	0	0
GNGT1	0	0	0
PRR14L	0	0	0
ZFA-PS	0	0	0
NR4A2	0	0	0
VMAC	0	0	0
CRLF3	0	0	0
USF1	0	0	0
INF2	0	0	0
OLFR735	0	0	0
GM9961	0	0	0
RNASE4	0	0	0
BICD1	0	0	0
PARP3	0	0	0
HACD4	0	0	0
SH3RF3	0	0	0
BDP1	0	0	0
ZHX3	0	0	0
CENPH	0	0	0
INCENP	0	0	0

GM21885	0	0	0
BB014433	0	0	0
TXNDC5	0	0	0
FAM161A	0	0	0
ZFP609	0	0	0
GM7206	0	0	0
MT-ND4	0	0	0
FAM177A	0	0	0
NAT2	0	0	0
ESR2	0	0	0
ZFP942	0	0	0
ZFP37	0	0	0
YY2	0	0	0
TMEM186	0	0	0
ENKD1	0	0	0
FBXO9	0	0	0
GM15009	0	0	0
CDKN2AIPNL	0	0	0
AI661453	0	0	1
IQGAP2	0	0	0
THAP12	0	0	0
SPECC1	0	0	1
GTPBP3	0	0	0
FAM208A	1	0	1
GM45062	0	0	0
TTC7B	0	0	0
BCL7B	1	0	0
HOMER3	0	0	1
GM20532	1	0	0
NOC3L	0	0	0
KAT5	0	0	0
WDR48	1	0	0
STXBP6	0	0	0
SERAC1	0	0	0
CIART	0	0	0
SNCAIP	0	0	0
ZFP61	0	0	0
LIPT1	0	0	0
SPTBN2	0	0	0
GPR137B	0	0	0
UNC13A	0	0	0
NPAS4	0	0	0
ZFP972	0	0	0
LCMT1	0	0	1
SRF	0	0	0
HEXIM2	0	0	0
HGF	0	0	0
MAB21L3	0	0	0
GM7488	0	0	0
CCNF	0	0	0

CPA6	0	0	0
PRKCH	0	0	0
PPP1R3G	0	0	0
LRRC74B	0	0	0
HABP2	0	0	0
GM17195	0	0	0
GM2673	0	0	0
CDC25A	0	0	0
OLFR1351	0	0	0
MUP11	0	0	0
SLC35A2	0	0	0
BORCS7	0	0	0
NPHP4	0	0	0
HNRNPA1	0	0	0
ACLY	0	0	0
GM48862	0	0	0
SRC	0	0	0
TCF20	0	0	0
CSMD3	0	0	0
SERPINA10	0	0	0
CCAR1	0	0	0
VCP-RS	0	0	0
GRIPAP1	0	0	1
SLC27A2	0	0	0
KCTD3	0	0	0
DTX4	0	0	0
USP3	0	0	0
CD99L2	0	0	0
SWSAP1	0	0	0
SNAPC4	0	0	0
RPGRIP1	1	0	0
ST3GAL3	0	0	0
PPP1R13L	0	1	0
DMGDH	0	0	0
ZFP747	0	0	0
GM13988	0	0	0
PGGT1B	0	0	0
CPA3	0	0	0
SLC30A5	0	0	0
ELK3	0	0	0
FBXO5	1	0	0
ARMC9	0	0	1
FUT11	0	0	0
TUBGCP5	0	0	0
SRP72	0	0	1
GM6311	0	0	0
AVPR1A	0	0	0
ZFP846	0	0	0
LRRC58	1	0	0
ZFP770	0	0	0

CLIP2	0	0	0
PUS7L	0	0	0
HOXB3	0	0	0
MUP1	0	0	0
GM12276	0	0	0
ZFP429	0	0	0
GM28900	0	0	0
CCDC71L	0	0	0
YAF2	0	0	0
WLS	0	1	1
RWDD3	0	0	0
PLP2	0	0	0
GM10392	0	0	0
ANGPTL8	0	0	0
GM43518	0	0	0
MSL3L2	0	0	0
PCLO	0	0	0
SP2	0	0	0
NVL	0	0	0
GM4613	0	0	0
A630010A05RI	0	0	1
TMEM80	0	0	0
WDR54	0	0	0
SLC12A4	0	0	0
GM21985	0	0	0
1110002E22RII	0	0	0
CYP2D26	0	0	0
RPH3A	0	0	0
SOWAHB	0	0	0
SMARCA5-PS	0	0	0
POLL	0	0	0
GMPPA	0	0	1
ZFP457	0	0	0
ZFP687	0	0	0
MAL	0	0	0
RDH7	0	0	0
GM2606	0	0	0
C1QTNF3	0	0	0
GM8797	0	0	0
QSOX2	0	0	0
CHN1	0	0	0
ABHD12B	0	0	0
GM7645	0	0	0
TUSC1	0	0	0
BC030867	0	0	0
GPR173	0	0	0
SLC12A3	0	0	0
OLFR177	0	0	0
APOE	0	0	0
MS4A7	0	0	0

2610021A01RI	0	1	1
HDAC7	0	0	0
IREB2	0	0	0
GM11400	0	0	0
SLC23A3	0	0	0
PAWR	0	0	0
GLT1D1	0	0	0
IL16	0	0	0
MOAP1	0	0	0
CCDC24	0	0	0
OLFR1489	0	0	0
CEP250	0	0	0
PLPPR3	0	0	0
GM26587	0	0	0
SLC29A4	0	0	1
KCNA4	0	0	0
DUSP4	0	0	0
CASTOR1	0	0	0
YTHDC2	0	0	0
CAPN11	0	0	0
PDZD3	0	0	0
PRSS45	0	0	0
OLFR622	0	0	0
ENTPD4B	0	0	0
GM45837	0	0	0
OLFR829	0	0	0
TMED4	0	0	0
FOXD2	0	0	0
SELENOT	0	1	0
RRAGC	0	0	0
OLFR716	0	0	0
TMEM131	0	0	0
KPNA1	0	0	1
ARL14EP	0	0	0
CSAD	0	0	0
CYBRD1	0	0	0
CACNA1D	0	0	0
STOX1	0	0	0
NKAIN1	0	0	0
AMZ2	0	0	0
HIRIP3	0	0	0
EIF4G2	0	0	0
RTL9	0	0	0
ERBIN	0	0	0
ILF3	1	0	0
DENND1B	1	0	1
RHBDL2	0	0	0
ADHFE1	0	0	0
BMPRI1A	0	0	0
CCDC60	0	0	0

SHF	0	0	0
PROS1	0	0	0
H2-Q7	0	0	0
MED13	0	0	0
1700003F12RII	0	0	0
CCDC93	0	0	0
SPAG1	0	0	0
SKP2	0	0	0
DLGAP1	0	0	1
DRC1	0	0	0
DLST	0	0	1
OIT3	0	0	0
C1QTNF6	0	0	0
SCAF8	0	0	1
SAA4	0	0	0
ABHD14A	0	0	0
IBTK	0	0	0
OLFR676	0	0	0
4930430A15RI	0	0	0
GM15382	0	0	0
RFT1	0	0	0
RPP21	0	0	0
DNAJC27	0	0	0
BTBD1	0	0	0
RTEL1	0	0	0
CCDC116	0	0	0
COQ5	0	0	0
OLFR984	0	0	0
CDC20	0	0	0
ETV6	0	1	0
TMPRSS11D	0	0	0
RILPL2	0	0	0
H2-T23	0	0	0
LCORL	0	0	0
IFT122	0	0	0
CLEC16A	0	0	1
1810043G02RI	0	0	1
VIPR1	0	0	1
GM6054	0	0	0
OLFR1254	0	0	0
NPNT	0	0	0
OGFR	0	0	0
ANKRD50	0	0	0
TAF6	0	0	0
OLFR1012	0	0	0
RP9	0	0	0
GM16223	0	0	0
FAM98A	0	0	0
FAS	0	0	0
CKAP2	0	0	0

ATP13A1	0	1	0
KNSTRN	0	0	0
GM10819	0	0	0
GM15920	0	0	0
BC003965	1	0	0
PTGIS	0	0	0
RASD1	0	0	0
PCDHB12	0	0	0
CHM	0	0	0
CHAMP1	1	0	0
PSPH	0	0	0
DUS4L	0	0	0
ARHGAP39	0	0	0
GM15710	0	0	0
PLCG2	0	0	0
IRS3	0	0	0
NAE1	0	0	0
GM14324	0	0	0
AZGP1	0	0	0
MT-CO1	0	0	0
ATP9A	0	0	0
TMEM60	0	0	0
ARFGAP2	0	0	1
2410141K09RI	0	0	0
MCM8	0	0	0
GM10220	0	0	0
SLC6A12	0	0	0
IMMT	0	1	1
PHF11B	0	0	0
RAD54L	0	0	0
SLC35C2	0	0	0
GM40466	0	0	0
CAPN12	0	0	0
SERINC5	0	0	0
ZFP607A	0	0	0
ZBTB2	1	0	0
CPLANE1	1	0	0
SPIC	0	0	0
CCDC184	0	0	0
TRPV4	0	0	0
IL12A	0	0	0
LRRN1	0	0	0
NEB	0	0	0
ZDBF2	0	0	0
TMX1	0	0	0
HNRNPK	0	0	0
PTPN9	0	0	0
UGT1A5	0	0	0
SFTPC	0	0	0
DNAJB2	0	0	0

ADH1	0	0	1
GGCT	0	0	0
RSU1	0	0	0
OLFR1325	0	0	0
CYP4A10	0	0	0
CPSF6	0	0	0
SMYD4	0	0	0
GM11960	0	0	0
GM45647	0	0	0
SIL1	0	0	0
OLFR161	0	0	0
HEBP2	0	0	0
HIKESHI	0	0	0
ABCD4	0	0	0
PRM3	0	0	0
PLA1A	0	0	0
DESI1	0	0	0
ZFP13	0	0	0
IL27RA	0	0	0
TRARG1	0	0	0
PCDH20	0	0	0
ECHS1	0	0	0
PLEKHG3	0	1	0
EFNA5	0	0	0
HPD	0	0	0
LIN28A	0	0	0
SLC6A4	0	0	0
LY6C2	0	0	0
TFB1M	0	0	0
IKZF3	0	0	0
ALOXE3	0	0	0
PAN2	0	0	1
TLX1	0	0	0
SLC6A13	0	0	0
ADAM21	0	0	0
SRGAP2	0	0	0
FAM114A1	0	0	0
USP18	0	0	1
OLFR109	0	0	0
H1FO	0	0	0
DDX19A	0	0	0
AKR1C6	0	0	0
LDHB	0	0	0
SNX22	0	0	0
GM6802	0	0	0
EXOC3L4	0	0	0
CACNA2D3	0	0	0
SCOC	0	0	0
KCNE3	0	0	0
RAB23	0	0	0

OLFR1028	0	0	0
MAP4	0	1	1
IQCB1	0	0	0
RBM33	1	0	1
PBK	0	0	0
SGPL1	0	0	0
ADAM33	0	0	0
IRX1	0	0	0
CR936839.3	0	0	0
OLFR714	0	0	0
KHDRBS2	0	0	0
RPL9-PS4	0	0	0
PRND	0	0	1
CRMP1	0	0	0
POMT2	0	0	0
SOST	0	0	0
UPK1B	0	0	0
YTHDF3	0	0	1
POLA2	0	0	0
USP35	0	0	0
OSGEP	0	0	0
TMEM35B	0	0	0
UBTF	0	0	0
FUBP1	1	0	1
ECI2	0	0	0
ZDHHC3	0	0	0
GFAP	0	0	0
ENPP5	0	0	0
CCDC151	0	0	0
PARN	0	0	0
EXOC3	0	0	0
OLFR328	0	0	0
VPS26A	0	0	0
SNTB2	0	1	0
SLC35F3	0	0	0
LSM11	0	0	0
SMG8	0	0	0
DHRS4	0	0	0
SLC31A1	0	0	0
SCARA3	0	0	0
ULK3	1	0	1
CD248	0	1	0
TTR	0	0	0
CCNO	0	0	0
GALT	0	0	0
PNPLA1	0	0	0
SUDS3	0	0	0
BC004004	0	0	0
GM13199	0	0	0
JARID2	0	0	1

KLHL5	0	0	0
GM9794	0	0	0
FAM98B	0	0	0
JPH3	0	0	0
PKN3	0	0	0
WDYHV1	0	0	0
CDC23	0	0	0
GM10300	0	0	0
SAMD4	1	1	1
GM20715	0	0	1
NPTXR	0	0	0
GM10155	0	0	0
SYCP3	0	0	1
PHF20	0	0	1
INO80D	0	0	0
APOBEC3	0	0	0
SYN2	0	0	0
GM14593	0	0	0
OLFR600	0	0	0
MSRA	0	0	0
RPS12-PS1	0	0	0
RPP25	0	0	0
CYTH3	0	0	0
OLFR137	0	0	0
PARD6G	0	0	0
AARD	0	0	0
EP400	0	0	0
GM27027	0	0	0
OLFR155	0	0	0
GM6166	0	0	0
TRIM13	0	0	0
TFCP2L1	0	0	0
AQP3	0	0	0
FAM221B	0	0	0
NKIRAS1	0	0	0
SBNO1	0	0	0
TLK1	0	0	0
COG3	0	0	0
TIMM44	0	0	0
DENND2C	0	0	0
LDLRAP1	0	0	0
ORAI1	0	0	0
MRPL18	0	0	0
RAB5B	0	0	0
FAM220A	0	0	0
S1PR4	0	0	0
SNX10	0	0	0
GM37988	0	0	0
INTS6L	1	0	1
SYPL2	0	0	0

OLFR372	0	0	0
FAF1	0	0	0
KCNJ10	0	0	0
NR1H4	0	0	0
L1CAM	0	0	0
GOLGA5	0	0	0
GRASP	0	0	0
CD151	0	0	0
MXRA8	0	1	0
FZD3	0	0	0
TNNT2	1	1	1
PCED1B	0	0	1
PACSIN1	0	0	0
TMEM130	0	0	0
GM12166	0	0	0
GCC1	0	0	0
ZFP940	0	0	0
YBX3	0	0	0
SPATS2	0	0	1
AP2A1	0	0	0
IMPDH2	0	0	0
COL3A1	1	0	0
RECQL4	0	0	0
RAB3C	0	0	0
CEP162	0	0	0
RNF219	0	0	0
NDUFAF7	0	0	0
TTC13	0	0	0
OLFR986	0	0	0
GABPA	0	0	0
SLC8A2	0	0	0
YIPF2	0	0	0
NUP205	0	0	0
SLC39A4	0	0	0
DTYMK	0	0	0
USP34	0	1	1
ADH5	0	0	0
TMX3	0	0	0
IFNAR1	0	0	1
BCAT2	0	0	0
NTRK1	0	0	0
ATXN7L2	0	0	0
CCDC22	0	0	0
TUBB1	0	0	0
AMD2	0	0	0
ARHGEF2	0	1	0
ECPAS	0	0	0
LANCL2	0	0	0
OLFR586	0	0	0
SPDL1	0	0	0

9130213A22RI	0	0	0
RPL17-PS8	0	0	0
OLFR720	0	0	0
CCDC34	0	0	0
GM4735	0	0	0
HERC2	0	0	1
GM9392	0	0	0
ACY1	0	0	0
LMTK3	0	1	0
NT5DC2	0	0	0
PPP1R14A	0	0	0
YBX2	0	0	1
LDB2	0	0	0
BC025446	0	0	0
GM3200	0	0	0
OLFR279	0	0	0
NSG2	0	0	0
PGAP3	0	0	0
SLC38A6	0	0	0
PPARD	0	0	1
ARHGAP22	0	0	0
ALDH5A1	0	0	0
RUBCN	0	0	0
GM9955	0	0	0
1810049J17RIk	0	0	0
MECR	0	1	1
COL26A1	0	0	0
LY6C1	0	0	0
XKR6	1	0	1
MRPL37	0	0	0
MEF2B	0	0	0
GM28044	0	0	0
GM9442	0	0	0
STAG3	0	0	0
AHR	0	0	0
CFAP69	0	0	0
GPX8	0	0	0
DISP2	0	0	0
FAM227A	0	0	0
TRAFD1	0	0	0
TSTD1	0	0	0
TRP53I11	0	0	0
COX6C2	0	0	0
KRT8	0	0	0
MAT1A	0	0	1
NLGN3	0	0	0
SRMS	0	0	0
H2-M6-PS	0	0	0
CYP3A11	0	0	0
FBXO39	0	0	0

ZFP950	0	0	0
IFNZ	0	0	0
NES	0	0	0
MUP7	0	0	0
TRIM28	1	0	0
RGS12	0	0	0
GM20696	0	0	0
NXNL2	0	0	0
SOX17	0	0	0
GRCC10	0	0	0
OLFR1195	0	0	0
HDAC1	0	0	0
RIN3	0	0	1
GABRA3	0	0	0
DCP1A	0	0	0
ST8SIA4	0	0	0
COL23A1	0	0	0
GFM1	0	0	0
VEGFD	0	0	0
CAR10	0	0	0
UHRF2	0	0	0
GM20518	0	0	0
FSCN1	0	0	0
KIF5A	0	0	0
CYP2D10	0	0	0
HIP1	0	0	0
D130007C19RI	0	0	0
TBC1D1	0	0	1
CENPI	0	0	0
BARD1	0	0	0
ZFP993	0	0	0
CPNE7	0	0	0
SAP18	0	0	0
CCDC194	0	0	0
TSSK2	0	0	0
SLC22A23	0	0	0
OLFR1330	0	0	0
ANKRD40	1	1	1
ZFP97	0	0	0
OLFR982	0	0	0
RNF24	0	0	0
CCDC181	0	0	0
AQP9	0	0	0
NTRK2	0	0	0
RPL13-PS6	0	0	1
RIPOR3	0	0	0
KLRB1C	0	0	0
SLC25A1	0	0	0
CDC27	0	0	0
GM3086	0	0	0

SLC4A1AP	0	0	0
ITGA2	0	0	0
MARK2	0	0	0
PEX12	0	0	0
GM15421	0	0	0
SLCO1B2	0	0	0
ENSMUSG000C	0	0	0
PCK1	0	0	0
EXT1	0	0	0
39142	0	1	0
GM7638	0	0	0
SAMD10	0	0	0
OLFR1218	0	0	0
GM12258	0	0	0
CYP2A12	0	0	0
SPIB	0	0	0
4930523C07RI	1	0	0
CELF4	0	0	0
FBN1	0	0	0
RASL11A	0	0	0
GM10297	0	0	0
GNB4	0	0	0
GNG11	0	0	0
RNF5	0	0	0
STRIP1	0	0	0
3110021N24RI	0	0	0
GM4575	0	0	0
PNRC1	0	0	0
TTBK2	0	0	0
KBTBD2	0	0	0
AMIGO2	0	0	0
HES6	0	0	0
NDRG1	0	0	0
ACTG2	0	0	0
MAF1	0	0	0
LOXL1	0	0	0
PABPC4L	0	0	0
ETFBKMT	0	0	0
TIMD2	0	0	0
SECISBP2	0	0	0
OLFR1459	0	0	0
RIDA	0	0	0
IFT27	0	0	0
JAK2	0	0	0
SPAAR	0	0	0
PALM2	1	0	1
ACOT8	0	0	0
GPT	0	0	0
GM28168	0	0	0
CNP	0	0	0

DEUP1	0	0	0
CCDC66	0	0	0
GM16409	0	0	0
ZGPAT	0	0	0
MBNL3	0	0	0
TMEM185B	0	0	0
HSF2BP	0	0	0
NIPAL2	0	0	0
GM19196	0	0	0
STAC3	0	0	0
SP1	0	1	0
GM5915	0	0	0
PTGER3	0	0	0
CHRM3	0	0	0
TFG	0	0	0
PRKAR2B	0	0	0
DHRS13	0	0	0
AKAP9	0	0	0
ALDH8A1	0	0	0
GM14057	0	0	0
SLC35E2	0	1	0
KLK7	0	0	0
OLFR578	0	0	0
ILDR2	0	0	0
CES1G	0	0	0
AHCYL2	0	0	1
CDC37	0	0	0
PTGS1	0	0	1
CES2B	0	0	0
SLC25A14	0	0	0
CFAP54	0	0	0
OLFR1160	0	0	0
HIST1H2BK	1	0	0
PLEKHG6	0	0	0
UGT2B36	0	0	0
NDRG2	0	0	0
GM11346	0	0	0
GM2693	0	0	0
GM10335	0	0	0
MUP20	0	0	0
ELOVL7	0	0	0
6030468B19RI	0	0	0
KIF5C	0	0	0
ERCC6L2	0	0	0
CAMK2G	0	0	0
SLC2A10	0	0	0
MYCL	0	0	0
SPSB3	0	0	0
CHL1	0	0	1
GM2897	0	0	0

ATG10	0	0	0
MELK	0	0	0
DCAF1	0	0	1
GM4804	0	0	0
GM13464	0	0	0
KL	0	0	1
CASZ1	0	1	1
TGFBRAP1	0	0	0
LRBA	0	0	1
GM11847	0	0	0
TIMELESS	0	0	0
38596	0	0	0
CPS1	0	0	0
H2-D1	1	0	0
GM10110	0	0	0
PTEN	1	1	0
OTC	0	0	0
STAC	0	0	0
ARL9	0	1	0
GSDMCL2	0	0	0
CYP2C37	0	0	0
4930590J08RIK	0	0	0
ARHGAP27	0	0	0
NXN	0	0	0
PDCD7	0	0	0
ARL4A	0	0	0
FABP1	0	0	0
BDH2	0	0	0
ZFP3	0	0	1
PTGDR	0	0	0
6820431F20RII	0	0	0
ACRV1	0	0	0
RIMBP2	0	0	0
SMIM17	0	0	1
DVL1	0	0	0
MED12	0	1	0
ITPRIPL2	0	0	0
ERCC2	0	0	0
RETREG2	0	0	0
E2F5	0	0	0
B430218F22RII	0	0	0
FASN	0	0	0
GM6501	0	0	0
RAB27A	0	0	0
LPAR5	0	0	0
DGCR2	0	0	0
PSAP	0	1	1
BMT2	0	0	0
OLFR393	0	0	0
SLC39A11	0	0	0

NKD1	0	0	0
TMEM238	0	0	0
ELOVL2	0	0	0
AP1AR	0	0	0
LHX6	0	0	0
2810021J22RIk	0	0	0
PTPN14	0	0	0
CPZ	0	0	0
FRAT1	0	0	0
GM12183	0	0	0
ARPC1A	0	0	0
SGSM1	0	0	0
TRMT10B	0	0	0
RAB4A	0	0	0
UNKL	0	0	0
GLYAT	0	0	0
SERPINA3K	0	0	0
EDRF1	0	0	0
DPH7	0	0	0
RDM1	0	0	0
CSRNP3	0	0	0
SUV39H2	0	0	0
TMTC4	0	0	0
RIPOR2	1	0	0
RAD21	0	0	0
OLFR56	0	0	0
BCKDHA	0	0	0
RPAP2	0	0	0
SGIP1	0	0	0
SLC29A3	0	0	0
CEP126	0	0	0
APOB	0	0	0
ERI3	0	0	1
BCL6B	0	0	0
HGD	0	0	0
SPEF1	0	0	0
DNAJA1	1	0	0
CALU	1	0	0
CFAP74	0	0	0
TPI1	0	0	0
NDC1	0	0	0
FAM178B	0	0	0
GM45105	0	0	0
SETX	0	0	0
GM29666	0	0	0
SNUPN	0	0	0
VPS41	0	0	0
PHF8	0	0	0
B020004C17RI	0	0	0
FAM92A	0	0	0

FAM171A2	0	0	0
GM7332	0	0	0
TANC1	0	0	1
MAP3K11	0	0	0
OLFR704	0	0	0
NMNAT2	0	0	0
C030005K15RI	0	0	0
MEIS3	0	0	0
LIMA1	0	0	0
ID4	0	0	0
ZFP472	0	0	0
NFKB1	0	0	0
EBAG9	0	0	0
SLCO6C1	0	0	0
ZFP652	0	0	1
RABGGTB	0	0	0
MORC2A	1	1	1
MYLK2	0	0	0
TSHZ2	0	0	0
YPEL4	0	0	0
CES2F	0	0	0
CAGE1	0	0	0
GLUD1	0	0	1
NACC1	0	0	0
D630023F18RI	0	0	0
GM26596	0	0	0
CTDNBP1	0	0	0
ZC3H6	0	0	0
FANCE	0	0	0
DDAH2	0	0	0
ZFP280D	1	0	1
PHLDB3	0	0	0
GM10447	0	0	0
SMYD2	0	0	0
B930094E09RI	0	0	0
PHF6	0	0	0
L3MBTL1	0	0	0
PPCS	0	0	0
SLC36A1	0	0	0
LGR4	1	0	0
CBFA2T2	0	0	1
NEPN	0	0	0
ELOVL3	0	0	0
AC168977.1	0	0	0
GM45015	0	0	0
GM42688	0	0	0
GM14740	0	0	0
CARMIL1	0	0	0
BAIAP2L1	0	0	0
BMP8B	0	0	0

CCDC171	0	0	0
CLEC9A	0	0	0
SYMPK	0	0	1
GM10563	0	0	0
PDK4	0	0	0
UBR5	0	0	0
C330018D20RI	0	0	0
HAUS4	0	0	0
ZSCAN12	0	0	0
IARS	0	0	1
HAL	0	0	0
IL27	0	0	0
CPM	0	0	0
OXSRI	0	0	0
DKC1	0	0	0
RPS12-PS9	0	0	0
G2E3	0	0	1
RNF39	0	0	0
PPFIBP1	1	0	0
E2F1	0	0	0
GM27021	0	0	0
NUF2	0	0	0
BBS5	0	0	0
METTL4-PS1	0	0	0
TMEM200A	0	0	0
TEAD1	1	1	1
UNC5C	0	0	0
BRPF3	0	0	0
ZDHHC17	0	0	0
RASGRF1	0	0	0
GM13339	0	0	0
ZFP90	0	0	0
GM30285	0	0	0
SUZ12	0	1	0
GPSM2	0	0	0
TRHR	0	0	0
ARHGEF1	0	0	0
GM29667	0	0	0
GM6305	0	0	0
RNF122	0	0	0
PET117	0	0	0
VPS37A	0	0	0
GM11451	0	0	0
RAB8A	0	0	0
NOD2	0	0	0
GM4247	0	0	0
RPTOR	0	0	1
MKX	0	0	0
RNF26	0	0	0
HOXA1	0	0	0

RIMS3	0	0	0
ADK	0	0	1
CBS	0	0	0
ATP2B4	0	0	0
ROGDI	0	0	0
KCNS3	0	0	0
ENPP1	0	0	0
GTF3A	0	0	0
KCNIP4	0	0	0
CCDC186	0	0	0
GM37313	0	0	0
DPF1	0	0	0
SH3GL3	0	0	0
EFCAB12	0	0	0
HIBADH	0	0	0
RDH10	0	0	0
GLOD4	0	0	0
GM16216	0	0	0
ERI2	0	0	0
RNF214	0	0	0
SORCS1	0	0	0
OLFR794	0	0	0
RNF213	0	1	1
SDHAF3	0	0	0
STEAP4	0	0	0
APOM	0	0	0
OLFR1349	0	0	0
GM2399	0	0	0
FBXO42	0	1	0
AAAS	0	0	0
PPP1R2-PS4	0	0	0
ZFP119B	0	0	0
VMN2R-PS54	0	0	0
KREMEN1	0	0	0
OLFR1124	0	0	0
CRYBB1	0	0	0
TBC1D8B	0	0	0
FMN1	0	0	1
KNTC1	0	0	0
IGLON5	0	0	0
AP5M1	0	0	0
TRPS1	0	0	0
ZFP51	0	0	0
MT-ATP6	0	0	0
GJB1	0	0	0
MUG1	0	0	0
SERPINC1	0	0	0
OLFR907	0	0	0
GM11993	0	0	0
OLFR394	0	0	0

PSMA8	0	0	0
NOVA1	0	0	0
HFE2	1	0	0
BCAS3	0	0	1
NTRK3	0	0	0
RAI1	0	0	1
PWWP2A	0	1	0
SAR1A	0	0	1
LCK	0	0	0
ATP2A1	0	0	0
GM10241	0	0	0
STK36	0	0	0
ZBTB9	0	0	0
GAL	0	0	0
GM28362	0	0	0
FPGT	0	0	0
NSD1	1	1	1
PAPSS2	0	0	0
TOP2A	0	0	0
GM7331	0	0	0
GIMAP9	0	0	0
SLC6A6	0	1	1
ZUP1	0	0	0
NPAS2	0	0	1
H2-Q6	0	0	0
CLASRP	0	0	0
SCAI	0	0	0
GM6741	0	0	0
PRPF38B	0	0	0
STIL	0	0	0
4430402I18RIK	0	0	0
BRWD3	0	0	0
NLRC4	0	0	0
1110012L19RII	0	0	0
CCDC63	0	0	0
GPX3	0	0	0
PCDHB10	0	0	0
DOC2B	0	0	0
PATJ	0	0	0
SETD7	0	0	0
GM26602	0	0	0
TMEM273	0	0	0
DQX1	0	0	0
ANKS4B	0	0	0
HBB-BS	0	0	0
GM17374	0	0	0
DDIT4	0	0	0
1700092M07R	0	0	0
WAC	0	1	1
OLFR420	0	0	0

ADPRM	0	0	0
CDCA8	0	0	0
REC114	0	0	0
CLEC2L	0	0	0
GM46136	0	0	0
SLC25A26	0	0	0
TMC4	0	0	0
DIRAS2	0	0	0
ADAMTSL1	0	0	0
SREK1	0	0	0
OSBPL7	0	0	0
RNF43	0	0	0
FAM206A	0	0	0
GAS2	0	0	0
KLHL11	0	0	0
CRYBA1	0	0	0
HOXB4	0	0	0
AKT1	0	0	0
FUCA2	0	0	1
ME3	0	0	0
LEO1	0	0	0
MBLAC1	0	0	0
MOCS1	0	0	0
IFI205	0	0	0
MED13L	1	1	0
EHMT2	0	1	0
MON2	0	0	0
HACL1	0	0	0
SLC22A18	0	0	0
METTL14	0	0	0
LUZP1	1	1	1
RPUSD1	0	0	0
HEY2	0	0	0
ELAC1	0	0	0
LRRC49	0	0	0
SAFB2	0	0	0
GM10571	0	0	0
DCAF11	0	0	0
SKINT8	0	0	0
OTUD6B	0	0	0
TMEM198	0	0	0
GM20939	0	0	0
GM5539	0	0	0
KLKB1	0	0	0
KLC2	0	0	0
C2CD3	0	0	0
UBL4A	0	0	0
ZDHHC5	0	0	0
ZFP62	0	0	0
TYRO3	0	0	0

ANKRD33B	0	0	0
CACNA1I	0	0	0
ST8SIA5	0	0	0
COL22A1	0	0	0
MARVELD2	0	0	0
COG2	0	0	1
AGBL4	0	0	1
ASPHD1	0	0	0
GM7027	0	0	0
GM38356	0	0	0
GPR141B	0	0	0
SLCO1A6	0	0	0
PVR	0	0	0
STARD4	0	0	0
PHKB	0	0	0
CHD1L	0	0	0
MEX3A	0	0	0
CTXN3	0	0	0
JMJD1C	0	1	1
MAP3K14	0	0	0
PHIP	0	0	0
RAB28	0	0	0
GM18294	0	0	0
TENM1	0	0	0
FH1	0	0	0
GM11410	0	0	0
HOXC4	0	0	0
MRPL22	0	0	0
LRRC24	0	0	0
UPB1	0	0	0
OLFR1293-PS	0	0	0
FABP7	0	0	0
GM10184	0	0	0
GPD1	0	0	0
NACAD	0	0	0
GM28053	0	0	0
CYB5A	0	0	0
RNF13	0	0	0
7530428D23RI	0	0	0
BC017158	0	0	0
GPATCH11	0	0	0
TIMP4	0	0	0
ZP2	0	0	0
GM2546	0	0	0
STX12	0	0	0
PON1	0	0	0
TTLL5	0	0	0
CDK1	0	0	0
DERL3	0	0	0
FBXL20	0	0	0

WWTR1	0	0	0
VPS37D	0	0	0
SMARCD2	0	0	0
RUNDC3B	0	0	0
SNAP23	0	0	0
GM10284	0	0	0
LEPR	0	0	0
NOX4	0	0	1
FBXL14	1	0	0
ASIC3	0	0	0
CYP46A1	0	0	0
UROD	0	0	0
NIF3L1	0	0	0
CHRD12	0	0	0
HC	0	0	0
TCHP	0	0	0
EPHB6	0	0	0
BRI3BP	0	0	1
BNIP2	0	0	0
PRR11	0	0	0
CTRL	0	0	0
CCDC96	0	0	0
PAPPA2	0	0	0
ASXL1	0	0	1
TUBE1	0	0	0
HGFAC	0	0	0
A730015C16RI	0	0	0
FOXRED2	0	0	0
C130026I21RIk	0	0	0
ENSMUSG000C	0	0	0
CLIP1	0	0	0
FCRL5	0	0	0
KCNRG	0	0	0
EYA4	0	0	0
ENSMUSG000C	0	0	0
NLRP5-PS	0	0	0
MTCL1	0	0	0
TEC	0	0	0
APP	0	0	0
CCNY	0	0	0
MAP1A	0	0	0
GM44911	0	0	0
CHORDC1	0	0	0
MTX2	0	0	0
VMN2R-PS114	0	0	0
GADD45GIP1	0	1	0
GM9985	0	0	0
FBXW17	0	0	0
GM8565	0	0	0
ZFP287	0	0	0

ZFP207	1	1	1
ESRRA	0	0	0
RAB37	0	0	0
RACGAP1	0	0	0
RTF1	1	0	1
USP8	0	0	1
SLC23A4	0	0	0
ZFP965	0	0	0
AAK1	1	1	1
RPL9-PS6	0	0	0
GM3362	0	0	0
ERBB2	0	0	0
BAHCC1	0	0	1
MGAT5B	0	0	0
TMEM258	0	0	0
BTBD7	0	0	0
OLFR293	0	0	0
TMEM141	0	0	0
GM11843	0	0	0
IL1RL1	0	0	0
OLFR1385	0	0	0
ZFP281	0	0	0
TRAM1L1	0	0	0
ZFPM1	0	0	1
EPHA5	0	0	0
OLFR237-PS1	0	0	0
ZFP740	0	0	0
SLITRK2	0	0	0
SLC35B4	0	0	0
ITIH1	0	0	0
SNX18	0	0	0
5730455P16RII	0	0	0
LMBRD2	0	0	0
ENSMUSG000C	0	0	0
TKFC	0	0	0
CETN2	0	0	0
ZFP131	0	0	0
RNF187	0	0	0
CD46	0	0	0
BHLHE40	0	0	0
RAD51AP1	0	0	0
GJB2	0	0	0
FDXACB1	0	0	0
MTMR6	1	0	0
METTL3	0	0	0
WASL	0	0	0
TRDMT1	0	0	0
RORB	0	0	0
39508	0	0	1
PPP2R2C	0	0	0

GM2244	0	0	0
RPL31-PS11	0	0	0
SH2B1	0	0	0
TBX21	0	0	0
DTNB	0	0	0
CPNE4	0	0	1
SERPINB1C	0	0	0
TUFM	0	0	0
OXLD1	0	0	0
SLC26A9	0	0	0
SEC14L2	0	0	0
FAM83D	0	0	0
ALDOB	0	0	0
USP11	0	0	0
AGA	0	0	0
OLFR1167	0	0	0
IFIT1	1	0	0
GM27029	0	0	0
VAX2	0	0	0
TMPO	0	0	0
BPHL	1	0	0
HSPB7	1	1	1
GM13394	0	0	0
VEGFC	0	0	0
TRIB1	0	0	0
LYSMD1	0	0	0
LNX1	0	0	0
TWIST2	0	0	0
MCPT2	0	0	0
PDGFC	0	0	0
CCNH	0	0	1
STPG1	0	0	1
GM21320	0	0	0
FUT4	0	0	0
CDK15	0	0	0
CFHR2	0	0	0
ASPHD2	0	0	0
IFT172	0	0	0
RAB1B	0	0	0
GM8050	0	0	0
TGM4	0	0	0
OLFR1383	0	0	0
TSC22D4	1	1	0
GM13509	0	0	0
CNOT3	1	0	0
SREBF1	0	0	0
FEZ1	0	0	0
ZFP618	0	0	0
D6WSU163E	0	0	0
CCNJL	0	0	0

GEM	0	0	0
DAZAP2	0	0	0
GM4724	0	0	0
AF366264	0	0	0
AW011738	0	0	0
ALDOC	0	0	0
CCDC92	0	0	0
KAZN	0	0	0
TAPT1	0	0	0
HDAC8	0	0	0
THAP6	0	0	0
SHC3	0	0	0
ENSMUSG000C	0	0	0
CEP135	0	0	0
WRAP73	0	0	0
ZFP329	0	0	0
CYC1	0	0	0
SLC12A9	0	0	0
TMEM41A	0	0	0
VASN	0	1	0
GM3005	0	0	0
CCDC84	0	0	0
IL18R1	1	0	0
FAM169B	0	0	1
ZBTB46	0	0	0
CLN6	0	0	0
GM20474	0	0	0
ZC2HC1A	1	0	0
OLFR853	0	0	0
A130051J06RII	0	0	0
SP4	0	0	0
FAM186B	0	0	0
TCOF1	0	0	0
ATG5	0	0	1
OLFR99	0	0	0
GM6169	0	0	0
NDUFAF5	0	0	0
ARL6IP6	0	0	0
VWA5A	0	0	0
REXO1	0	0	0
DIAPH3	0	0	0
CCDC36	0	0	0
POLR1E	0	0	1
GIPC1	0	0	0
SEMA3D	0	0	0
FANCM	0	1	0
1700021F05RII	0	0	0
MSI1	0	0	0
PLSCR5	0	0	0
B4GALT3	0	1	0

KNG1	0	0	0
GM29397	0	0	0
POLR3G	0	0	0
SERPINA1B	0	0	0
ANKUB1	0	0	0
NISCH	0	0	0
SF3B3	0	0	0
OGT	1	0	1
BC049352	0	0	0
ZCCHC18	0	0	0
GM6266	0	0	0
BRSK1	0	0	0
GM26558	0	0	0
RTN2	1	0	0
MBTD1	0	1	0
KAT14	0	1	0
GM18194	0	0	0
GM1943	0	0	0
STAMBPL1	0	0	1
HMGA1	0	0	0
SIAH2	0	0	0
RHNO1	0	0	0
WTAP	0	0	0
CCNYL1	0	0	0
SRSF6	1	1	0
MAD2L1BP	0	0	0
SINHCAF	0	0	0
DROSHA	0	0	0
DHX33	0	0	0
GM3839	0	0	0
GM18852	0	0	0
ERICH6	0	0	0
RSAD2	0	0	0
AMDHD1	0	0	0
GATA4	0	0	0
ADAM4	0	0	0
KCNQ5	0	0	0
GM11703	0	0	0
HSPA14	0	0	0
CMAH	0	0	1
OAF	0	0	0
CYP19A1	0	0	0
ZFP628	0	0	0
TARS2	0	0	0
PPEF1	0	0	0
GM20721	0	0	0
INO80	0	0	0
TTYH3	0	0	0
OLFR613	0	0	0
AWAT2	0	0	0

GM14862	0	0	0
RIIAD1	0	0	0
TESK2	0	0	0
TRAC	0	0	0
RTKN2	0	0	0
HOXA3	0	0	0
OLFR824	0	0	0
CCDC159	0	0	0
NUP133	0	0	0
F11R	0	0	0
NLRC3	0	0	0
GM21987	0	0	0
FRMD6	0	1	1
FAM210B	0	0	0
PLS1	0	0	0
RNF32	0	0	0
NUDT19	0	0	0
CPN1	0	0	0
EIF4A-PS4	0	0	0
OLFR905	0	0	0
DPP4	0	0	0
SLC2A5	0	0	0
FAM129A	0	0	0
OLFR656	0	0	0
CDC25B	0	0	0
ZCCHC3	0	0	0
ATE1	0	0	0
USP42	0	0	0
RAPGEF6	1	0	0
OLFR57	0	0	0
GM10549	0	0	0
CHML	0	0	0
FAM131B	0	0	0
B3GALNT1	0	0	0
GM17147	0	0	0
ESCO1	0	0	0
F5	0	0	0
TRIM14	0	0	0
SVEP1	0	0	0
OLFR775	0	0	0
UMAD1	0	0	1
MRE11A	0	0	1
OLFR446	0	0	0
GM11185	0	0	0
GM12573	0	0	0
SLC24A5	0	0	0
TSHZ3	0	0	0
ZBTB16	0	0	0
MPI	0	0	0
ZFP638	0	0	1

GABRA2	0	0	0
GM6211	0	0	0
CALR4	0	0	0
FOXP1	0	0	0
GM12033	0	0	0
AI413582	0	0	0
GM26620	0	0	0
FAM3C	0	0	0
DMXL2	0	0	0
KAT6A	0	0	0
RPS10-PS2	0	0	0
NPTX1	0	0	0
GM3272	0	0	0
APOA5	0	0	0
PSMC3IP	0	0	0
MYO6	0	0	1
DHCR24	0	0	0
FRRS1L	0	0	0
GM17906	0	0	0
OLFR1118	0	0	0
AGAP1	1	1	0
GM2033	0	0	0
LCA5	0	0	0
FAM124B	0	0	0
KCNK2	0	0	0
PDCD2L	0	0	0
SLC7A14	0	0	0
LIN9	0	0	0
SPATA1	0	0	0
ZKSCAN2	0	0	0
FTCD	0	0	0
LIPE	0	0	0
HK2	0	0	0
CYHR1	0	0	0
SCYL3	0	0	0
2010109I03RIK	0	0	0
GM8276	0	0	0
CNOT1	0	0	0
NUP35	0	0	0
GM9755	0	0	0
DSG3	0	0	0
B3GALT1	0	0	0
RPGRIP1L	0	0	0
KREMEN2	0	0	0
TIAM1	0	0	0
RSF1	0	0	1
MROH7	0	0	0
XLR3B	0	0	0
SNX1	0	0	0
HNRNPR	0	0	1

PEX2	0	0	0
APOL7B	0	0	0
SLC22A4	0	0	0
ARSJ	0	0	0
OLFR678	0	0	0
SLC27A5	0	0	0
NLRP4F	0	0	0
GM43941	0	0	0
SLC6A7	0	0	0
FASTKD5	0	0	0
ZNRF3	0	0	0
ACSL3	0	0	1
ADAT2	0	1	0
NPB	0	0	0
ZFP979	0	0	0
DOK6	0	0	0
GM6768	0	0	0
INTS1	0	0	0
KDM5B	0	0	0
CYB561D1	0	0	0
ZDHHC24	0	0	0
SLC1A3	0	0	0
CREBZF	1	1	0
CTU1	0	0	0
TXNL4A	0	0	0
CBR3	0	0	0
EGLN3	0	0	0
SEMA6D	0	0	1
XRN1	0	0	0
KIF14	0	0	0
PLPP1	0	0	0
PIP5K1C	1	0	0
KLRA4	0	0	0
SEZ6	0	0	1
UGT2B5	0	0	0
PNKD	0	0	0
SCP2-PS2	0	0	0
CDC42BPA	0	0	0
HECW2	0	0	0
GM21671	0	0	0
SNX25	0	0	0
MKNK1	0	1	0
SEMA3G	0	0	0
FBXO24	0	0	0
OLFR675	0	0	0
THRAP3	0	0	0
MFAP4	0	0	0
ORM3	0	0	0
OLFR239	0	0	0
S1PR2	0	0	0

CYP2J5	0	0	0
GM38317	0	0	0
MET	0	0	0
SOCS2	0	0	0
NEIL3	0	0	0
PRR5	0	0	0
GTF2IRD2	0	1	1
COQ7	0	0	0
CDSN	0	0	0
CNTN1	0	0	0
HSPA5	0	0	0
RASA2	0	0	0
ALKBH7	0	0	0
NCAPG	0	0	0
SCAP	1	1	0
CEP44	0	0	0
HIST1H2AF	0	0	0
TROVE2	0	0	0
ARL6	0	0	0
WDR76	0	0	0
CD59B	0	0	1
PDCD2	0	0	0
HAMP	0	0	0
CISD1	0	0	0
DLG2	0	0	1
VEPH1	0	0	0
ZDHHC15	0	0	0
OLFR152	0	0	0
GM11449	0	0	0
SNTB1	0	0	0
GALNT5	0	0	0
MUP3	0	0	0
ORC4	0	0	0
REP15	0	1	0
SOCS4	0	0	0
SNRNP200	0	0	1
SUPT20	1	1	1
NPM3	0	0	0
TGIF2	0	0	0
GSTT2	0	0	0
GM20472	0	0	0
GM3883	0	0	0
MFSD3	0	0	0
GM5105	0	0	0
ZFP85	0	0	0
CCDC28B	0	0	0
DDR1	0	0	0
CFAP100	0	0	0
HHIPL2	0	0	0
GM12070	0	0	0

GM4788	0	0	0
TXNDC11	0	0	0
ZCCHC4	0	0	0
DOP1A	0	1	0
REEP5	0	0	0
GRK3	0	0	0
TMEM215	0	0	0
4931428L18RII	0	0	0
ZFP990	0	0	0
GM10226	0	0	0
COX6A2	0	0	0
TOGARAM2	0	0	0
DAGLB	1	0	1
SYT11	0	0	0
GM16523	0	0	0
SOX11	0	0	0
TMEM260	0	0	0
D3ERTD751E	0	0	0
SMC2	0	0	0
GPR4	0	0	0
GLS2	0	0	0
TFR2	0	0	0
GDPD3	0	0	0
MRRF	0	0	0
SLC10A2	0	0	0
FAM167B	0	0	0
TNIP2	0	0	0
SLC23A1	0	0	0
OLFR1297	0	0	0
H2-OB	0	0	0
37865	0	0	0
SEC24D	0	0	1
FDX1	0	0	0
GRIN1	0	0	0
GM10012	0	0	0
SEL1L3	0	0	0
SETD6	0	0	0
DYNLL1	0	0	0
TSSK4	0	0	0
GM15931	0	0	0
GM11518	0	0	0
IGFBP2	0	1	0
STARD9	0	0	0
ABCB6	0	0	0
EEF1AKMT1	0	0	0
SHROOM2	0	0	0
BBS12	0	0	0
BPNT1	0	1	0
SPINK10	0	0	0
TRAIP	0	0	0

PIGW	0	0	0
C9	0	0	0
ESYT3	0	0	0
ZFP1	0	0	0
BNIP3	0	0	0
GATA2	0	0	0
ENHO	0	0	0
OLFR1440	0	0	0
NCOA6	0	0	0
TMEM51	0	0	0
BMPER	0	0	0
UNC5B	0	0	0
IZUMO4	0	0	0
CNOT10	0	0	0
GATA3	0	0	0
SDCCAG8	0	0	0
IDI1	0	0	0
ZFP735	0	0	0
ACAD11	0	0	1
GM10075	0	0	0
GM5987	0	0	0
LIN7B	0	0	0
HDHD2	0	0	0
EGFL8	0	0	0
TOMT	0	0	0
APOC4	0	0	0
MOB3B	0	0	0
MYCBPAP	0	0	0
GM4994	0	0	0
PLD2	0	0	0
TMEM253	0	0	0
CCR9	0	0	1
LGR5	0	0	0
COX8A	0	0	0
SLC35G2	0	0	0
QPCTL	0	0	0
OLFR914	0	0	0
CYP2C70	0	0	0
TRIM43C	0	0	0
SLC24A1	0	0	0
HBA-A1	0	0	0
IFI47	0	0	0
OGG1	0	0	0
GM6904	0	0	0
ADAMTS2	0	0	0
2610044O15RI	0	0	0
CENPE	0	0	0
DCDC2A	0	0	0
LRRC57	0	0	0
GBX2	0	0	0

ALDH1A7	0	0	0
TMEM161B	0	0	0
ZBTB49	0	0	0
38047	0	0	0
FNIP2	0	0	0
GM5559	0	0	0
TNFRSF22	0	0	0
OLFR607	0	0	0
GM14415	0	0	0
GM13835	0	0	0
PLCD3	0	0	0
CERK	0	0	0
OLFR90	0	0	0
ZBTB34	0	0	0
GM12346	1	0	0
CCDC38	1	0	0
GM26566	0	0	0
B3GNT8	0	0	0
INPP1	0	0	0
CD164	1	0	1
KBTBD8	0	0	0
DDX11	0	0	0
GM11037	0	0	0
BRD7	0	0	0
RHAG	0	0	0
ERMAP	0	0	0
ZFP958	0	0	0
GM11879	0	0	0
AFAP1	0	0	1
COMMD7	0	0	0
OLFR1220	0	0	0
GM4767	0	0	0
SEMA3A	0	0	0
SRPX2	0	0	0
MPP1	0	0	0
USP49	1	0	0
TXNL4B	0	0	0
DKK3	0	0	0
KIRREL3	0	0	0
NCAM1	0	0	0
OLFR398	0	0	0
SLC26A11	0	0	0
CASP9	0	0	0
GM5160	0	0	0
GM5786	0	0	0
DYNC1LI2	0	0	0
NONO	0	0	1
TIGIT	0	0	0
ARHGAP35	0	0	0
GCM1	0	0	0

NOMO1	0	0	0
N4BP2	0	0	0
A930004D18RI	0	0	0
GM36368	0	0	0
GM4335	0	0	0
LOR	0	0	0
CSF1	0	0	0
GM6710	0	0	0
CACYBP	0	0	0
GM3222	0	0	0
SEL1L	0	0	0
ZFP985	0	0	0
GM2163	0	0	0
OLFR896-PS1	0	0	0
OLFR596	0	0	0
TEAD2	0	0	1
GM12993	0	0	0
HACD1	0	0	0
GM6444	0	0	0
VPS4A	0	0	0
AADAC	0	0	0
COP1	0	0	0
RGS9BP	0	0	0
KLF10	0	0	0
OLFR816	0	0	0
NDN	0	0	0
TMEM170	0	0	0
NLRP9C	0	0	0
CYFIP1	0	0	0
MGST3	0	0	0
PACSIN3	1	0	0
TRIM30C	0	0	0
SENP8	0	0	0
OLFR1129	0	0	0
TEX38	0	0	0
PLEKHA7	0	0	0
FAM114A2	0	0	0
PTMS	0	0	0
FFAR1	0	0	0
CPE	0	0	0
SLC9A5	0	0	1
PRSS55	0	0	0
PRC1	0	0	0
ISM1	0	0	0
PASK	0	0	0
UGT3A2	0	0	0
STK26	0	0	0
GM47147	0	0	0
NCAN	0	0	0
OLFR351	0	0	0

CCDC144B	0	0	0
CCDC137	0	0	0
PUM2	1	1	1
4930455H04RI	0	0	0
GM5737	0	0	0
OLFR1240	0	0	0
NELFB	0	0	0
CTCFL	0	0	0
RASA1	0	0	0
HAUS2	0	0	0
F2RL2	0	0	0
GUCA1B	0	0	0
GM6123	0	0	0
TK1	0	0	0
GARNL3	0	0	0
GALNT2	0	0	1
ROBO1	0	1	0
GM266	0	0	0
ADGRB3	0	0	0
RTL5	0	0	0
SPAG6	0	0	0
MED31	0	0	0
NCOA3	0	0	0
RYR3	0	0	0
TNFRSF13C	0	0	0
AGPAT1	1	0	0
OPTC	0	0	0
VSX2	0	0	0
SPATA17	0	0	0
CATIP	0	0	1
EIF4E1B	0	0	0
SMOX	0	0	0
ZFP707	0	0	0
KYAT3	0	0	0
DUS3L	0	1	0
OLFR1106	0	0	0
DDX3Y	0	0	0
GM37601	0	0	0
B2M	0	0	0
OLFR190	0	0	0
TCEA2	0	0	0
PLOD3	0	0	0
CDH5	0	0	0
DAAM1	1	1	1
TMEM232	0	0	0
TSPAN17	0	0	0
RAVER1	0	0	0
USP20	0	1	1
WASHC4	0	0	0
MED18	0	0	0

ZFP968	0	0	0
EMP2	0	0	0
ZFP493	0	0	0
KLHL25	0	0	0
ANO10	0	0	0
GPKOW	0	0	0
KNG2	0	0	0
GM6480	0	0	0
HOXA7	0	0	0
TWF2	0	0	0
MACROD1	0	0	0
SLC38A8	0	0	0
BICD2	0	0	0
PROX2	0	0	0
PLG	0	0	0
RABL6	0	0	0
MEAF6	0	0	0
TPM2	0	0	0
LGALS3BP	0	0	0
MYBL1	0	0	0
ZFP382	0	0	0
GFPT2	0	1	0
CCNI	0	0	0
CNPY4	0	0	0
PPOX	0	0	0
FAM72A	0	0	0
PTDSS2	0	0	0
B3GNT2	0	0	0
OLFR1269	0	0	0
ADCY7	0	0	1
GNAS	1	1	1
GM6483	0	0	1
SAT2	0	0	0
PEX5	0	0	0
OLFR1467	0	0	0
GM10250	0	0	0
ST3GAL1	0	0	0
CERS2	1	1	0
ITIH3	0	0	0
REST	0	0	0
GM7964	0	1	0
EDIL3	0	0	1
LY6E	0	0	0
DUSP1	0	0	0
MYOZ2	0	0	0
GM6316	0	0	0
RNF145	0	0	0
GM4841	0	0	0
GMPPB	0	0	0
GM16503	0	0	0

TNFSF12	0	0	0
ATM	0	0	0
SRCIN1	0	0	0
CYP4V3	0	0	0
ZFP771	0	0	0
DTX3	0	0	0
RPL19-PS1	0	0	0
DCAF6	0	0	0
ENSMUSG000C	0	0	0
MYL7	0	0	0
SLC48A1	0	0	0
PIGZ	0	0	0
GM1840	0	1	0
GM6560	0	0	0
EGFR	0	0	0
GOT1	0	0	0
HSD17B13	0	0	0
DCLK2	0	0	0
PSMB11	0	0	0
SERINC4	0	0	0
RBM12	0	0	0
CCSAP	0	0	0
CYP2S1	0	0	0
GM15760	0	0	0
VSIG2	0	0	0
CLDN3	0	0	0
PRKX	0	0	0
CITED1	0	0	0
TLE1	0	0	0
ALYREF2	0	0	0
POPDC2	1	1	1
RS1	0	0	0
ERO1LB	0	0	0
NEDD9	0	0	0
MBD4	0	0	0
OLFR1419	0	0	0
ELN	0	0	0
CLEC14A	0	0	0
ONECUT2	0	0	0
DDX52	0	0	0
CASP12	0	0	0
HOXA2	0	0	0
SMIM6	0	0	0
GPC2	0	0	0
PCDHB3	0	0	0
PROKR1	0	0	0
HS3ST3B1	0	0	0
HMGB1-PS3	0	0	0
ST8SIA6	0	0	0
AMOT	0	0	0

CNOT2	0	0	0
REG1	0	0	0
MORC3	0	0	1
GIMAP8	0	0	0
ZFP937	0	0	0
CCL24	0	0	0
PRKAG1	0	0	0
MGL2	0	0	0
RCBTB1	0	0	0
ATXN2L	0	0	0
CAMSAP3	0	0	0
ACOT12	0	0	1
CORO7	0	0	0
MATR3	0	1	1
RASGEF1C	0	0	0
ATPAF2	0	0	0
NAIF1	1	0	0
5930422O12RI	0	0	0
CDKN2AIP	0	0	0
MDFIC	0	0	0
SERPINA11	0	0	0
STXBP5	0	0	0
OLFR851	0	0	0
DNAH3	0	0	0
NCMAP	0	0	0
AKR1CL	0	0	0
GM17137	0	0	0
SAPCD2	0	0	0
RPL30-PS9	0	0	0
AMOTL2	1	1	0
GM13341	0	0	0
ANKRA2	0	0	0
DPYSL2	0	0	0
CD8B1	0	0	0
ABCG1	0	0	0
HADHB	1	0	0
GALK1	0	0	0
NDUFV1	0	0	0
RARA	0	0	1
GM10327	0	0	0
GULO	0	0	0
OCIAD2	0	0	0
GM2445	0	0	0
HBB-BT	0	0	0
GLI3	1	0	0
PAM	0	0	0
PPFIA3	0	0	0
ISG20	0	0	0
KMO	0	0	0
GM3558	0	0	0

CHST7	0	0	0
GM14018	0	0	0
LUC7L2	1	0	1
GLRP1	0	0	0
EDARADD	0	0	0
6330409D20RI	0	0	0
SLC9A4	0	0	0
MRGPRB1	0	0	0
NPRL3	0	0	0
ACER1	0	0	0
SNCA	0	0	0
SH2D3C	0	0	0
HEXB	0	0	0
STRA6L	0	0	0
AOX2	0	0	0
ABCA4	0	1	0
LXN	0	0	0
CCT8L1	0	0	0
EVI5L	0	0	0
ARHGEF26	0	0	1
TRDN	1	0	1
GM2451	0	0	0
MLLT1	0	0	0
RAMP2	1	0	0
PAGR1B	0	0	0
WWC1	0	0	0
OLFR769	0	0	0
KCNK6	0	0	0
TAF2	0	0	0
ATRN	0	1	1
TTK	0	0	0
PRDM15	0	0	0
BMX	0	0	0
CDH24	0	0	0
CKMT1	0	0	0
H2-T-PS	0	0	0
PCCB	0	0	0
GM10912	0	0	0
MAP2K4	0	0	0
GM10645	0	0	0
GADL1	0	0	0
SMC4	0	0	0
ACAD8	0	0	0
CDH6	0	0	0
NKAP	0	0	1
RSG1	0	0	1
UNC45A	0	0	0
PROCA1	0	0	0
CCDC150	0	0	0
SPOPL	0	0	0

PCDHGC5	0	0	0
HES7	0	0	0
DYNLT3	0	0	0
RAP2C	0	0	0
GSTM7	0	0	0
PGM3	0	0	0
APOC1	0	0	0
KCTD14	0	0	0
SMC6	0	0	1
RANBP17	0	0	0
IFI213	0	0	0
GM13002	0	0	0
GLB1L	0	0	0
FGA	0	0	0
GM3752	0	0	0
GPR15	0	0	0
GM17970	0	0	0
BRAT1	0	0	0
MLLT10	0	1	1
ZFP503	0	0	0
EXOSC10	0	0	1
CHD5	0	0	0
NANOS1	0	0	0
QPRT	0	0	0
EVL	0	0	0
SCARB1	0	0	0
SLC9A8	0	1	1
2510039O18RI	0	0	0
TMEM184C	0	0	0
LIPA	0	0	0
GPX7	0	0	0
SCD3	0	0	1
HMG20B	0	0	0
ZFP974	0	0	0
PRPF18	0	0	0
MRPL4	0	1	0
PAIP1	0	0	0
BMP1	0	0	0
GM9780	0	0	0
OLFR889	0	0	0
FAM20B	0	0	0
ZFP212	0	0	0
TPBGL	0	0	0
HIST1H2BN	0	0	0
CCL28	0	0	0
CKMT2	0	0	0
SLC25A11	0	0	0
CDCA2	0	0	0
CARD19	0	0	0
OLFR167	0	0	0

YPEL2	0	0	0
LIN28B	0	0	0
SLC25A43	0	0	0
MTHFD2L	0	0	0
UNC5D	0	0	0
CLN8	0	1	0
GM12250	0	0	0
HSCB	0	0	0
GM10273	0	0	0
EMID1	0	0	0
UGT1A6B	0	0	0
DEK	0	0	0
SOX30	0	0	0
RBKS	0	0	0
FBXO33	0	0	0
NEMP2	0	0	0
SERPINA3M	0	0	0
ATP10D	0	0	0
LNK2	0	0	0
SERPINF2	0	0	0
NLGN2	0	0	0
FBXL3	0	0	0
GM42417	0	0	0
FBXL13	0	0	0
S1PR3	0	0	0
ELMO1	0	0	0
GM3500	0	0	0
SLCO1A1	0	0	0
LGALS2	0	0	0
FOXO3	0	0	0
ELMSAN1	0	0	0
FAM213A	0	0	0
GM14569	0	0	0
S100A7A	0	0	0
PLAGL1	1	0	1
NEK7	0	0	0
OLFR1238	0	0	0
TRMO	0	0	0
ARL2BP	0	0	1
PRDM2	0	0	0
ADAMTS17	0	0	0
IQGAP3	0	0	0
CMKLR1	0	0	0
LRRC40	0	0	0
ZFP458	0	0	0
GM9964	0	0	0
GM18716	0	0	0
PNLDC1	0	0	0
HBA-A2	0	0	0
TBC1D23	0	0	0

MINDY4B-PS	0	0	0
GPR68	0	0	0
RTL8A	0	0	0
GM6055	0	0	0
ARAP1	0	0	0
OLFR1205	0	0	0
CUEDC2	0	0	0
UBA52-PS	0	0	0
ERG	0	0	0
TFAP2E	0	0	0
EFCAB14	0	0	0
CNRIP1	0	0	0
TEX9	0	0	0
PTS	0	0	0
GM16470	0	0	0
LYST	0	0	1
FILIP1L	0	1	1
AGRP	0	0	0
OLFR1175-PS	0	0	0
D630033O11R	0	0	0
CSTF2T	0	0	0
OLFR1410	0	0	0
GM44705	0	0	0
ABCC6	0	0	0
TMCC3	0	0	0
KCTD7	0	0	0
MPND	0	0	0
PPP1R3F	0	0	0
ZFP459	0	0	0
SLC5A5	0	0	0
SATB2	0	0	0
SGPP2	0	0	0
PRIMPOL	0	0	0
ZFP947	0	0	0
FGG	0	0	0
VPS18	0	0	0
G6PC	0	0	0
GM11382	0	0	0
GM17825	0	0	0
APLN	0	0	0
DLX6	0	0	0
ZKSCAN17	0	0	0
SASS6	0	0	0
CPD	0	0	0
ZFP811	0	0	0
GM3020	0	0	0
GM10409	0	0	0
OLFR1369-PS1	0	0	0
MT-CO2	0	0	0
CHMP4C	0	0	0

IZUMO1	0	0	0
DYRK1A	1	1	1
RGP1	0	0	0
APEX2	0	0	0
MAGT1	0	0	0
PALB2	0	0	0
ANKEF1	0	0	0
LARS2	1	0	0
PLPPR4	0	0	0
KIF15	0	0	0
SHD	0	0	0
PPP2R1B	0	0	1
HIP1R	0	0	0
STX19	0	0	0
LRRC8B	0	0	0
PDZD8	0	0	0
CLSPN	0	0	0
CEBPB	1	0	0
ELOA	0	0	0
ZCWPW1	0	0	0
LYSMD3	0	0	0
ITPA-PS1	0	0	0
CLPP	0	0	0
FRYL	0	0	0
SRR	0	0	0
ADAM10	0	0	0
KIRREL	0	0	0
ACKR2	0	0	0
USP36	0	0	0
GLCCI1	0	0	0
ECT2	0	0	0
PTPRK	0	0	1
EXOC6B	0	0	0
DZANK1	0	0	0
FBXO7	0	0	0
NPFFR1	0	0	0
OLFR1437	0	0	0
MLPH	0	0	0
RPL23A-PS3	0	0	0
GM13283	0	0	0
RBM12B1	0	0	0
SLC13A1	0	0	0
CIPC	0	1	1
FLI1	0	0	0
ITCH	0	1	0
GM15950	0	0	0
CUL5	0	0	0
SNX32	0	0	0
EXOSC8	0	0	0
TOE1	0	0	0

ANLN	0	0	0
BTNL10	0	0	0
SAMD15	0	0	0
PDCD6	0	0	0
SEC16B	0	0	0
MFSD14A	0	0	0
TRF	0	0	0
DRC3	0	0	0
4833439L19RII	0	0	0
HNRNPH1	1	1	0
F2	0	0	0
GM4654	0	0	0
SERPINF1	0	0	0
AKR1D1	0	0	0
SLC25A3	0	0	0
ARMCX2	0	0	0
PPM1J	0	0	0
9130208D14RI	0	0	0
GM10638	0	0	0
SYNB	0	0	0
ZFP236	0	0	0
TRIM46	0	0	0
CRYZL1	0	0	0
GM4787	0	0	0
C1QC	0	0	0
2610507B11RI	0	1	1
CRY1	0	0	0
GM28036	0	0	0
GM32742	0	0	0
TRAPPC12	0	0	0
TGFA	0	0	0
PGRMC2	0	0	0
OLFR1348	0	0	0
CAPN9	0	0	1
IGF2BP3	0	0	0
NLRP1C-PS	0	0	0
NETO2	0	0	0
KCTD18	0	0	0
GM10600	0	0	1
CT010495.1	0	0	0
NEMF	0	0	0
SPINT2	0	0	0
BC005561	0	1	0
HMGB2	0	1	0
CUL2	0	0	0
SEC22A	0	0	0
OLFR1309	0	0	0
JSRP1	0	0	0
NFS1	0	0	0
GM10037	0	0	0

AKR7A5	0	0	0
MIPOL1	0	0	0
RBM15	0	0	0
EML3	0	0	1
GTF2H3	0	0	1
DICER1	0	0	0
2810047C21RI	0	0	0
PAPPA	0	0	1
TACC2	0	1	1
ALDH18A1	0	0	0
GM21811	0	0	0
MAF	0	0	0
XYLB	0	0	1
ZFP280B	0	0	0
SLC6A20B	0	0	0
VPS72	0	0	0
PRR14	0	0	0
DNAH7C	0	0	0
ATP5S	0	0	0
9130019O22RI	0	0	0
A930035D04RI	0	0	0
CERKL	0	0	0
PMM2	0	0	0
AFDN	0	1	1
FAT3	0	0	0
NEK8	0	0	0
POC1A	0	0	0
PLAGL2	0	0	0
FCER2A	0	0	0
MUC3A	0	0	0
ACAT3	0	0	0
OLFR1152	0	0	0
RFWD3	0	0	0
G430049J08RII	0	0	0
DOCK7	0	0	0
EIF1-PS1	0	0	0
PADI2	0	0	1
RHOB	0	0	0
KHDRBS1	0	0	0
FRMD3	0	0	0
NAP1L4	0	0	0
GM13502	0	0	0
BPIFC	0	0	0
OAS1G	0	0	0
PCOLCE	0	0	0
KLK8	0	0	0
UBTFL1	0	0	0
SUSD2	0	0	0
MEIG1	0	0	0
COL18A1	0	0	0

FAM102A	0	0	0
INTS7	0	0	1
TCF23	0	0	0
POLM	0	0	0
ABHD16B	0	0	0
PXDC1	0	0	0
SNRPN	0	0	0
NME2	0	0	0
RGCC	0	0	0
WDR91	0	0	0
GM15446	0	0	0
HMGB1-PS8	0	0	0
LRFN2	0	0	0
EFCAB7	0	0	0
ASB3	0	0	1
NAA80	0	0	0
OLFR1023	0	0	0
GM10293	0	0	0
SYP	0	0	0
RHOX4D	0	0	0
SLC6A9	0	0	1
CHCHD4	0	0	0
ATG4D	0	0	0
1700029F12RII	0	0	0
GM6451	0	0	0
PTK7	0	0	0
ABRACL	0	0	0
FOXC1	0	0	0
NOG	0	0	0
GM13292	0	0	0
EIF1B	0	0	0
HAS2	0	0	0
ENSMUSG000C	0	0	0
SYCE2	0	0	0
CWC27	0	0	0
FXVD7	0	0	0
IGSF3	1	0	1
DLL4	0	0	0
RBAK	0	0	0
ZFP655	1	0	0
GM4518	0	0	0
SNX15	0	0	0
FMO4	0	0	0
FBXO34	1	0	0
TRAK2	0	0	0
MTOR	0	1	1
ARMC10	0	0	0
SRPK2	0	0	0
SCAMP1	0	0	0
PTH1R	0	0	0

GC	0	0	0
FCER1A	0	0	0
N4BP1	0	0	0
DNMT1	0	0	0
GM10172	0	0	0
ATP1A4	0	0	0
TNS4	0	0	0
GM9157	0	0	0
PLA2G3	0	0	0
OLFR1204	0	0	0
PIP4K2C	0	0	0
LHFPL4	0	0	0
GM43720	0	0	0
SPNS3	0	0	0
ATF6	0	0	0
PITPNB	0	0	0
1700034I23RIK	0	0	0
RBPM52	0	0	1
PDE6H	0	0	0
GM1968	0	0	0
OLFR1423	0	0	0
GM4217	0	0	0
GM45233	0	0	0
LAMA5	0	0	0
GM48850	0	0	0
GM10775	0	0	0
1700029I15RIK	0	0	0
UGT1A6A	0	0	0
PRRT4	0	0	0
OLFR1501	0	0	0
GTF2E2	0	0	0
BFAR	0	0	0
GRAMD1C	0	0	0
LYPD6B	0	0	1
C1D	0	0	0
ARGLU1	0	0	0
ANKLE1	0	0	0
FAM107A	0	0	0
MKL1	0	0	0
PIGV	0	0	0
GM8281	0	0	0
DPY19L4	0	0	0
ZFP853	0	0	0
BLOC1S6	0	0	0
PDZD4	0	0	0
RBMS1	0	0	0
BCO2	0	0	0
ALAS1	0	0	0
PRKCZ	0	0	0
TRIO	0	0	0

SCUBE3	0	0	0
GPN1	0	0	0
WNT4	0	0	0
OSBPL2	0	0	0
CDC42SE2	0	0	0
NSDHL	0	0	0
DSG1A	0	0	0
RTTN	0	0	0
CHIC1	0	0	0
PIEZO2	0	0	0
PBX1	0	0	0
APOA1	0	0	0
CAR9	0	0	0
GRHPR	0	0	0
SAP130	0	0	1
BHMT	0	0	0
MEF2D	1	1	0
RAB29	0	0	0
SLTM	0	0	1
SP110	0	0	0
MRGPRC2-PS	0	0	0
CFB	0	0	0
GPR21	0	0	0
ADGRA2	0	0	0
TRNP1	0	0	0
NDUFS7	0	0	0
MMP23	0	0	0
GM16464	0	0	0
COPS7B	0	0	0
CPT1C	0	0	0
PTPRR	0	0	1
USP7	0	0	0
OOEP	0	0	0
PTPDC1	0	0	0
DDX17	0	0	0
IDO1	0	0	0
IP6K1	1	1	1
GM45902	0	0	0
GM49320	0	0	0
NKAIN4	0	0	0
GP6	0	0	0
TSFM	0	0	0
4921507P07RII	0	0	0
CBFB	0	0	1
GNAZ	0	0	0
MMP17	0	0	0
TCHH	0	0	0
IPO9	0	0	0
ELF1	0	1	0
ZFP286	0	0	0

FARP2	0	0	0
CTTNBP2	0	0	0
DFFA	1	0	0
KCNQ3	0	0	0
CDIPT	0	0	0
DALRD3	0	0	0
SPAG5	0	0	0
RPS6KL1	0	0	0
GAB3	0	0	0
CDC42EP2	0	0	0
GTF3C5	0	0	0
SPECC1L	0	0	0
GM10406	0	0	0
TUBD1	0	0	0
GM2574	0	0	0
GM5138	0	0	0
CCNB1IP1	0	0	0
ATP5C1	0	0	0
SIPA1L3	0	0	0
4921536K21RI	0	0	0
SYT15	0	0	0
SEMA4G	0	0	0
IL17RB	0	0	0
AHCY	0	0	0
LTC4S	0	0	0
OLFR341	0	0	0
TRMT11	0	0	0
TSLP	0	0	0
CD3E	0	0	0
GM6754	0	0	0
GM3002	0	0	0
CYP2D40	0	0	0
MON1B	0	0	0
TSC22D1	1	1	1
USB1	0	0	0
APOA2	0	0	0
CRBN	0	0	0
RGL1	0	0	0
BCLAF3	0	0	1
GCAT	0	0	1
FARP1	0	0	1
PIAS1	0	0	0
SYDE1	0	0	0
WBP11	0	0	0
NFRKB	0	0	0
TOMM40L	0	0	0
CWC25	0	0	0
LIPO4	0	0	0
ESRP2	0	0	0
TMEM132E	0	0	0

E330034G19RI	0	0	0
TCAF2	0	0	0
HEXIM1	0	0	0
ZFP579	0	0	0
NLRC5	0	0	0
BC028528	0	0	0
TRPT1	1	0	0
GM13547	0	0	0
CDK17	0	0	1
TUBG1	0	0	0
TRIM45	0	0	0
UPP2	0	0	0
LARP1	0	0	0
PRDM11	0	0	0
NDST3	0	0	0
CSNK2A1	1	0	0
TMEM176A	1	0	0
NBDY	0	0	0
HAPLN1	0	0	0
GM5148	0	0	0
RNFT1	0	1	0
CDK2AP1	0	0	0
MED9	0	0	0
PCYT1B	0	0	0
GM9913	0	0	0
TDRD12	0	0	0
DNAH2	0	0	0
OSCAR	0	0	0
SLAMF8	0	0	0
FUT2	0	0	0
APOC3	0	0	0
POLR2G	0	0	0
RYBP	0	0	0
MT-ND1	0	0	0
LGALS9	0	0	0
TMEM151A	0	0	0
PAQR8	1	0	0
C77080	0	0	0
GM4366	0	0	0
GSKIP	0	0	0
FARSB	0	0	0
GM5177	0	0	0
MRPS16	0	0	0
ZCCHC8	0	0	0
XIAP	0	0	1
CASP8AP2	0	0	0
PGM2L1	0	0	0
CDHR4	0	0	0
SCD2	1	1	1
GM21119	0	0	0

IFI44L	0	0	0
CCDC40	0	0	0
ZDHHC13	0	0	0
KANSL1	0	0	0
RSPO1	0	0	0
OLFR178	0	0	0
TLR9	0	0	0
GJC1	0	0	0
BLOC1S2-PS	0	0	0
RRAD	0	0	0
OLFR648	0	0	0
HOOK2	0	0	0
FAM219B	0	0	0
OLFR204	0	0	0
LBR	0	0	0
GM8203	0	0	0
MEST	0	0	0
THBD	0	0	0
GM17709	0	0	0
GIPR	0	0	0
MYSM1	0	0	0
RBPM5	0	0	0
NDC80	0	0	0
RBMS3	0	0	0
ARL1	0	0	0
RNASEL	0	0	1
TTC26	0	0	0
ZFP462	1	0	0
ADAM1B	0	0	0
OLFR66	0	0	0
APOL9B	0	0	0
ZSCAN25	0	0	0
GM3164	0	0	0
ERCC6	0	0	0
IRX2	0	0	0
SUGCT	0	0	0
RBM28	0	0	0
CCDC187	0	0	0
GHITM	0	0	0
ASB5	0	0	0
FANCD2	0	0	0
ZFP746	0	0	0
MAD2L1	0	0	0
GM2564	0	0	0
GPR34	0	0	0
FYTTD1	1	0	0
RFLNB	0	0	0
UCK1	0	0	0
RPL34	0	0	0
CLBA1	0	0	0

HOXB1	0	0	0
TMEM237	0	0	0
KMT2E	0	1	1
OLFR76	0	0	0
WDR59	0	0	0
CLCA2	0	0	0
RASGEF1A	0	0	0
CATSPER4	0	0	0
ZXDA	0	0	0
DTL	0	0	0
FANCB	0	0	0
WT1	0	0	0
GALC	0	0	0
MRM3	0	0	0
1600029O15RI	0	0	0
OLFR251	0	0	0
FOXD3	0	0	0
JAG1	0	0	0
ICAM2	0	0	0
OASL2	1	1	1
MUP12	0	0	0
OLFR1260	0	0	0
IGFLR1	0	0	0
SMPD4	0	0	1
TSPAN5	0	0	0
SEC22C	0	0	0
ZBTB5	0	0	0
NLK	0	0	0
ZFP91	0	0	0
IL17RC	0	0	0
AIDA	0	0	0
SOD2	1	0	0
MKRN3	0	0	0
3830408C21RI	0	0	0
OIP5	0	0	0
GOLGA2	0	1	1
DUSP8	0	0	0
ACOT4	0	0	0
SIX2	0	0	0
GSTZ1	0	0	0
TLE4	0	0	0
OLFR954	0	0	0
LEPROT	0	0	0
NR1H2	0	0	0
AFAP1L2	0	0	0
POLRMT	0	0	0
MOBP	0	0	0
KLF13	0	0	0
NDST4	0	0	0
SYN3	0	0	0

SLC7A3	0	0	0
UAP1L1	0	0	0
BLOC1S5	0	0	0
SCN8A	0	0	0
SGO1	0	0	0
ACVR1	0	0	0
CKAP4	0	0	0
CIITA	0	0	0
RRM2	0	0	0
PPEF2	0	0	0
DNAJC9	0	0	0
PLET1	0	0	0
GM10163	0	0	0
FANCG	0	0	0
MAMSTR	0	0	0
BMP3	0	0	0
D10JHU81E	0	0	0
VNN3	0	0	0
PHLPP2	0	0	0
NCKAP5L	0	0	0
CYP2T4	0	0	0
CAPN10	0	0	0
AGO2	0	0	0
ZFP654	0	0	0
TIGD4	0	0	0
MSL1	0	0	0
COL6A5	0	0	0
OLFR75-PS1	0	0	0
WASF2	0	0	0
DENND5A	0	0	0
CNNM4	0	0	0
OAZ3	0	0	0
GM12788	0	0	0
GM8206	0	0	0
CEP152	0	0	0
GM13136	0	0	0
OLFR395	0	0	0
ZFP949	0	0	0
RPN2	0	0	0
TLE6	0	0	0
HMMR	0	0	0
VDAC3-PS1	0	0	0
ZFP704	0	0	0
BLZF1	0	0	0
EXO5	0	0	0
TMEM254B	0	0	0
TMEM254A	0	0	0
ANO3	0	0	0
XKR8	0	0	0
GM14226	0	0	0

DPY19L3	0	0	0
DDX47	0	0	0
ACVR2A	1	0	0
TM2D3	0	0	0
SMC1B	0	0	0
CMTM3	0	0	0
OLFR628	0	0	0
6430571L13RII	0	0	0
SLC25A23	0	0	0
HAPLN4	0	0	0
TNNI2	0	0	0
NCAM2	0	0	1
ZSWIM8	0	1	0
ADAM28	0	0	0
RUVBL2	0	0	0
ANKRD23	0	0	0
N6AMT1	0	0	0
ZFP703	0	0	0
GM9775	0	0	0
PIK3R3	0	0	0
HMGCL	0	0	0
SPOCK2	0	0	0
ZFP369	0	0	0
MDM1	0	0	0
PGAM2	0	0	0
CACNA2D4	0	0	0
BACH2	1	0	1
ADIPOR1	1	1	1
GM35315	0	0	0
PEA15A	0	0	0
TRIM54	0	0	0
BBOF1	0	0	0
SUCLA2	0	0	0
GM3373	0	0	0
MINDY1	0	0	0
BEND3	0	0	0
MAPKBP1	0	0	0
BRIP1	0	0	0
SKOR1	0	0	0
TMEM120B	0	0	0
OLFR95	0	0	0
ZFP7	0	0	0
NR4A1	0	0	0
GM6548	0	0	0
LYRM4	0	0	0
CFHR1	0	0	0
GM12021	0	0	0
4931406P16RII	0	0	0
FAM122B	0	0	0
GM12184	0	0	0

CD300E	0	0	0
ASH2L	0	0	0
SYNPO2	0	0	0
1190007I07RIK	0	0	0
ZFP57	1	0	0
GM3252	0	0	0
YDJC	0	0	0
DOK7	1	0	0
OLFR1286	0	0	0
ROR2	0	0	0
MT-CYTB	0	0	0
CDO1	0	0	0
NIPSNAP1	0	0	0
CES1B	0	0	0
AGBL3	0	0	1
WFS1	0	0	0
GM6871	0	0	0
RHPN2	0	0	1
4930404N11RI	0	0	0
CLTC	0	0	0
ACBD3	0	0	0
PRSS30	0	0	0
F12	0	0	0
MAU2	0	0	0
ITFG2	0	0	0
GM11839	0	0	0
RGS11	0	0	0
CTBP1	0	0	0
CEP72	0	0	0
MST1	0	0	0
UBP1	0	0	0
OLFR466	0	0	0
CACNB3	0	0	0
SREBF2	0	0	0
CYREN	0	0	0
PHKG2	0	0	0
CDC42EP5	0	0	0
SPATA2	0	0	0
COL11A2	0	0	0
NUDT8	0	0	0
ACSM2	0	0	0
1500009L16RII	0	0	0
PSMB9	0	0	0
GM11784	0	0	0
SIRT6	0	0	0
CSNK1E	0	0	0
MINAR1	0	0	0
FGB	0	0	0
RPL39L	0	0	0
MTHFR	0	0	1

MESP2	0	0	0
OSBPL10	0	0	0
GM7102	0	0	0
STXBP1	0	0	0
EPHB2	0	0	0
AES	1	0	0
SMARCA4	0	0	0
LRP11	0	0	0
ARMCX6	0	0	0
BCL2L11	0	0	0
CSPG4	1	1	1
CCNE2	0	0	0
GIGYF2	0	0	0
CEP55	0	0	0
TRIM43A	0	0	0
NEK11	0	0	0
C4BP-PS1	0	0	0
KLHL18	0	0	0
MOSPD3	0	0	0
PLD5	0	0	0
FGD2	0	0	0
ATXN7L1	0	0	0
RETREG3	0	0	0
ZFP882	0	0	0
EPGN	0	0	0
LPAR4	0	0	0
FAM160B1	1	0	0
OLFR1381	0	0	0
MORC2B	0	0	0
NXPE4	0	0	0
MKI67	0	0	0
OLFR798	0	0	0
MFAP2	0	0	1
ARID4B	0	0	0
FBXO27	0	0	0
ENDOG	0	0	0
RNF222	0	0	0
GM49388	0	0	0
NPDC1	0	0	0
FLYWCH1	0	0	0
OLFR801	0	0	0
CDC7	0	1	0
MED19	0	0	0
IKZF4	0	0	0
D830013O20R	0	0	0
TRPC4	0	0	0
GALNT3	0	0	0
MUTYH	0	0	0
ZIC1	0	0	0
CSPG5	0	0	0

ARHGAP18	0	0	1
BMF	0	0	0
FAM189A2	0	0	0
GM13722	0	0	0
GM3591	0	0	0
SAG	0	0	0
ABHD15	0	0	0
GPR174	0	0	0
PKIG	0	0	0
FOXR1	0	0	0
TOX3	0	0	0
PPP4R1L-PS	0	0	0
INSC	0	0	0
LMTK2	0	0	0
UBIAD1	0	0	0
RTN3	0	0	0
IGFBP1	0	0	0
NHSL2	0	0	0
ASCC1	0	0	0
BMPR2	0	0	0
LCA5L	0	0	0
ARFGEF1	0	0	0
CHAF1A	0	0	0
TEX13B	0	0	0
GM15459	0	0	0
BLMH	0	1	0
GM5507	0	0	0
OLFR465-PS1	0	0	0
CENPV	0	0	0
C1QBP	0	0	0
PARG	0	0	0
SMTNL1	0	0	0
GM21887	0	0	0
ALG1	0	0	0
OLFR418	0	0	0
TUB	0	0	0
GM45815	0	0	0
AI182371	0	0	0
TM6SF1	0	0	0
PIK3R6	0	0	0
MAPK9	0	0	0
UHMK1	0	0	0
C330007P06RI	0	0	0
OLFR1352	0	0	0
OLFR822	0	0	0
3110070M22R	0	0	0
BC024139	0	0	0
GM21319	0	0	0
PPDPF	0	0	0
HMBBOX1	0	0	0

HINFP	0	0	0
OLFR392	0	0	0
ATG2B	0	0	0
SULT5A1	0	0	0
CALM3	0	0	0
KLF2	0	0	0
GM21663	0	0	0
TSPYL3	0	0	0
GM13762	0	0	0
CAMKK2	0	0	0
TRIM30A	0	0	0
DPP3	0	0	0
CALM1	1	0	0
GM48391	0	0	0
TRIAP1	0	0	0
NCOA7	0	0	0
GM21541	0	0	0
ALKBH4	0	0	0
GM7542	0	0	0
CCDC120	0	0	0
ID1	0	0	0
DIXDC1	0	0	0
CHRNA1	0	0	0
GM9008	0	0	0
DSCC1	0	0	0
GNAT3	0	0	0
CDK3-PS	0	0	0
FGFR4	0	0	0
SLC25A33	0	0	0
ECSIT	0	0	0
MTMR7	0	0	0
PCDHB15	0	0	0
FAM124A	0	0	0
SRSF7	0	0	0
TTYH2	1	0	0
HIVEP1	0	0	0
COL4A5	1	1	0
ADGRG6	0	0	0
CCDC102A	0	0	0
RMND1	0	0	1
DRAM1	0	0	0
LYRM7	0	0	0
MDM4-PS	0	0	0
MKL2	0	0	0
GM31166	0	0	0
ABCC2	0	0	0
LRRC4C	0	0	1
MEIOB	0	0	0
B230219D22RI	0	0	0
CDCP1	0	0	0

MRPL39	0	0	0
DYNLT1-PS1	0	0	0
ICK	0	1	0
ARHGAP33	0	0	0
ELFN1	0	0	0
MAP10	0	0	0
SMARCB1	0	0	0
C8A	0	0	0
ANKRD53	0	0	0
GABRE	0	0	0
ATP5B	0	1	0
C87414	0	0	0
PIH1D2	0	0	0
LTV1	0	0	0
MT3	0	0	0
NANOG	0	0	0
BLNK	0	0	0
HOGA1	0	0	0
DDX5	0	0	0
TMEM243	0	0	0
KCTD9	0	1	0
USP43	0	0	0
ERAL1	0	0	0
NADSYN1	0	0	0
GM14760	0	0	0
TFCP2	0	0	0
CLDN23	0	0	0
CASQ1	0	0	0
SURF2	0	0	0
GM16378	0	0	0
TXNDC2	0	0	0
NECTIN1	1	0	0
ZFP120	0	0	0
MMP16	0	0	0
SIGLECH	0	0	0
OLFR107	0	0	0
COL5A1	1	0	0
VXN	0	0	0
CASK	0	0	0
NUFIP2	1	1	1
DDX42	0	0	0
SLC1A5	0	0	0
PKMYT1	0	0	0
PTPRA	0	0	1
GM10032	0	0	0
CRKL	0	0	0
AMPD3	0	0	1
KCNAB3	0	0	0
6030445D17RI	0	0	0
CCDC28A	0	0	0

MIER3	0	0	0
SPIN4	0	0	0
GM12161	0	0	0
BGN	1	0	0
ATG16L1	0	0	0
A230050P20RI	0	0	0
BAMBI-PS1	0	0	0
1110032F04RII	0	0	0
CEP290	0	0	0
FANCA	0	0	0
EIF3A	0	0	0
ICOS	0	0	0
LRP2	0	0	0
JAKMIP1	0	0	0
DOLK	0	0	0
WASF1	0	0	0
RBFOX2	0	0	0
ERGIC1	1	0	1
APOD	0	0	0
RPL30-PS10	0	0	0
FCHSD1	0	0	0
EIF3C	0	0	0
SLC26A3	0	0	1
HOXD9	0	0	0
SLFN9	0	0	0
GM10642	0	0	0
LDAH	0	0	0
ZFP217	0	0	0
SYNE3	0	0	0
HOXA4	0	0	0
FGFR2	0	0	0
GM29603	0	0	0
NSMCE1	0	0	0
CEP131	0	0	0
CAMKK1	0	0	0
LRRD1	0	0	0
XRCC1	0	0	0
CPLX2	0	0	0
RUFY4	0	0	0
TSPAN8	0	0	0
GBP2B	0	0	1
PTPRT	0	0	0
GM9925	0	0	0
PYGO2	0	0	0
GRM5	0	0	0
SAE1	0	0	0
FAM110A	0	0	0
SLC22A19	0	0	0
ATP10A	0	0	0
OLFR1312	0	0	0

GM12397	0	0	0
METTL7B	0	0	0
CYP2C54	0	0	0
HCFC1	0	0	0
RIMKLA	0	0	0
RFXAP	0	0	0
PRRT3	0	0	0
VMN2R-PS88	0	0	0
ALKAL2	0	0	0
HPS5	0	0	0
UBE2O	0	0	0
PLK-PS1	0	0	0
ZFP-PS	0	0	0
GM14667	0	0	0
AY074887	0	0	0
GM45844	0	0	0
YLPM1	0	1	0
PAG1	0	0	0
CYP4X1	0	0	0
EPOP	0	0	0
GJD4	0	0	0
CDK14	0	0	0
BIRC2	0	0	0
APOH	0	0	0
SFMBT2	0	0	0
OLFR767	0	0	0
GM12080	0	0	0
ZBTB41	0	0	0
FBXL6	0	0	0
MCM4	0	0	0
SLC1A1	0	0	0
OLFR1245	0	0	0
NSMCE2	0	0	1
DGAT1	0	0	0
NME6	0	0	0
PCNX4	0	0	0
YPEL1	0	0	0
RANBP2	0	1	0
LEFTY1	0	0	0
BRCA1	0	0	0
KLHL35	0	0	0
UBE2C	0	0	0
1700001K19RI	0	0	0
PARP4	0	1	1
GM10434	0	0	0
TMEM63A	0	0	0
GLTP	0	0	0
EDEM2	0	0	0
GM15812	0	0	0
F13B	0	0	0

C1QTNF5	0	0	0
PAKAP	0	1	1
PSEN1	0	0	0
MYL3	0	1	0
OLFR102	0	0	0
ACTR5	0	0	0
GOLPH3	0	0	0
FNTA	0	0	0
TROAP	1	0	0
ZW10	0	0	1
2300009A05RI	0	0	0
ZFP563	0	0	0
NCR3-PS	0	0	0
OLFR322	0	0	0
DPY19L1	0	0	0
NDST1	0	0	0
PUS7	0	0	0
TMEM265	0	0	0
PROZ	0	0	0
GREB1	0	0	0
PRR15L	0	0	0
TPX2	0	0	0
DEGS1	0	0	0
TAT	0	0	0
BUB1	0	0	0
FLYWCH2	0	0	0
OLFR859	0	0	0
KCND1	0	0	0
IGSF9	0	1	0
OLFR338	0	0	0
AGXT	0	0	0
HEMK1	0	0	0
SPATS1	0	0	0
RSPH9	0	0	0
LONRF1	0	0	0
GM16332	0	0	0
SLC30A7	0	0	0
CD247	0	0	1
ARHGEF7	0	1	1
MPST	0	0	0
CCDC153	0	0	0
FOXM1	0	0	0
RASGEF1B	0	0	0
MTERF1B	0	0	0
PLB1	0	0	0
CSNK1G1	1	0	0
FAM118A	0	0	1
SLC22A1	0	0	0
GM3055	0	0	0
GM18562	0	0	0

LRCH2	0	0	0
36951	0	0	0
AOAH	0	0	0
GIMAP6	0	0	0
MBOAT4	0	0	0
C4B	0	0	0
GM9903	0	0	0
EIF3J1	0	0	1
ZFP488	0	0	0
SLC19A1	0	1	0
TRPM6	0	0	0
SIRT3	0	0	0
PRL8A1	0	0	0
OLFR809	0	0	0
UGT1A1	0	0	0
MDK	0	0	0
CRYM	0	0	0
TBC1D7	0	0	0
ZFP239	0	0	0
MAB21L1	0	0	0
H2-K1	0	0	0
GLB1L2	0	0	0
COL1A1	1	1	0
TMEM170B	0	0	0
VRK2	0	0	0
RNF180	0	0	0
SBSPON	0	0	0
P3H1	0	0	0
HEATR6	0	0	0
LRMDA	0	0	1
MAGI2	0	0	0
FAM186A	0	0	0
ACIN1	0	0	0
PLEKHD1	0	0	0
ZFP367	0	0	0
TMEM229B	0	0	0
GM12353	0	0	1
DYSF	0	1	1
IFI214	0	0	0
SSBP3	0	1	1
GM2974	0	0	0
NEXMIF	0	0	0
ACTL6B	0	0	0
GPR37	0	0	0
CALN1	0	0	0
OLFR825	0	0	0
DPY30	0	0	0
TAF8	0	0	0
HOXA5	0	0	0
9130008F23RII	0	0	0

RIMBP3	0	0	0
ALG14	0	0	0
GPAT2	0	0	0
NRADD	0	0	0
PDGFB	0	0	0
4930507D05RI	0	0	0
SLC9B2	0	0	0
FETUB	0	0	0
FXN	0	0	0
AFF1	0	0	1
HSPH1	0	0	0
IHH	0	0	0
OLFR575	0	0	0
RNF20	0	0	0
GM8980	0	0	0
IL5RA	0	0	0
CCNB1	0	0	0
SERTAD4	0	0	0
OLFR381	0	0	0
CCDC47	0	0	0
PSMB8	0	0	0
TMEM182	0	0	0
MAP4K5	0	0	0
UNC80	0	1	0
WDR90	0	0	0
SPATA6	0	0	0
LHFP	0	1	1
GM1980	0	0	0
CYP4B1	0	0	0
TSSK1	0	0	0
SLC13A3	0	0	0
CCDC167	0	0	0
ATF2	0	0	0
KLHDC3	0	0	0
SP6	0	0	0
CTSF	0	0	0
SHISA3	0	0	0
WBP1	0	0	0
ZBTB8B	0	0	0
HMG5	0	0	0
C130074G19RI	0	0	0
KLC4	0	0	0
PCSK7	0	0	0
CILP	0	0	0
ANKRD26	0	0	0
SETDB2	0	0	0
ZBTB38	0	0	0
LARS	0	0	0
GM10842	0	0	0
GM12106	0	0	0

LMNB2	0	0	0
RAC3	0	0	0
CHN2	0	0	0
4930503L19RII	0	0	0
CNOT8	0	0	0
NCOA5	0	0	0
ANXA13	0	0	0
CLPB	1	0	0
DIDO1	0	0	0
JAZF1	0	0	0
KHDC4	1	1	1
GM2531	0	0	0
POFUT2	0	0	0
ZFP81	0	0	0
MLLT3	0	0	0
WNT9B	0	0	0
OLFR1123	0	0	0
TAOK1	0	0	0
CTNND1	0	0	0
MID2	0	0	0
SLC10A7	0	0	1
VDAC2	1	0	1
NHLRC2	0	0	0
UBE2L6	0	0	0
FAM129C	0	0	0
AU040320	0	0	0
SMOC1	0	0	0
OLFR715	0	0	0
RCN2	0	0	1
PRR36	0	0	0
GM6430	0	0	0
REEP4	1	0	0
HOXC9	0	0	0
TNFSF13	0	0	0
MMEL1	0	0	1
ZFP248	0	0	0
GM45799	0	0	0
GPR161	0	0	0
KCTD16	0	0	0
MT-ND2	0	0	0
AC149090.1	0	0	0
GM15319	0	0	0
NRG4	0	0	0
KRTCAP3	0	0	0
ZFP296	0	0	0
BAG2	0	0	0
GM45855	0	0	0
GM20637	0	0	0
ZFAND6	0	0	0
ADORA2A	0	0	0

FUZ	0	0	0
SH3BGRL2	0	0	0
TELO2	0	0	0
JOSD2	1	0	0
BACE2	0	0	0
FAM117B	0	0	0
KPNA2-PS	0	0	0
TM9SF1	0	0	0
SFMBT1	0	0	0
ZBED4	1	1	0
NCBP1	0	0	0
NUDT22	0	0	0
RFLNA	0	0	0
ARL6IP1	0	0	0
TAGAP1	0	0	0
GABRG3	0	0	0
MDH2	0	0	0
SGSM3	0	0	0
H2-T22	0	0	0
PROM1	0	0	0
VAR52	0	0	0
GEMIN4	0	0	0
GM9936	0	0	0
NFYB	0	0	0
ADCYAP1R1	0	0	0
TULP3	0	0	0
ADAT1	0	0	0
HIST1H2BQ	0	0	0
SRGAP3	0	0	0
PHACTR3	0	0	1
GM45186	0	0	0
ATAD2	0	0	0
ZBTB25	0	0	0
BTBD16	0	0	0
RNF125	0	0	0
CDH22	0	0	0
SPATA9	0	0	0
PNPLA6	0	1	0
R3HDM4	0	0	0
CNGB1	0	0	0
KMT2B	0	0	0
TMPRSS11A	0	0	0
GM12917	0	0	0
NCAPD2	0	0	0
UPK2	0	0	0
YIPF1	0	0	0
COPS7A	0	0	0
RCCD1	0	0	0
SIMC1	0	0	0
GM17509	0	0	0

HMGCLL1	0	0	0
GM12101	0	0	0
SERPINE3	0	0	0
ZFP92	0	0	0
ZFP960	0	0	0
GM12251	0	0	0
KLB	0	0	0
OLFR1265	0	0	0
CLCN7	0	1	0
GNMT	0	0	0
TRP53TG5	0	0	0
SLC2A9	0	0	0
PRKACA	0	0	0
OLFR975	0	0	0
ABCA7	0	0	0
GM8979	0	0	0
ACBD5	0	0	0
MAST4	0	0	0
IFT46	0	0	0
ACE	0	0	1
PDHB	0	0	0
OLFR1505	0	0	0
PALD1	0	0	0
CHCHD3	0	0	0
PSEN2	0	0	0
GM19680	0	0	0
GM5380	0	0	0
H2-M3	0	0	0
CCNA2	0	0	0
CD200R3	0	0	0
GM10662	0	0	0
GM5891	0	0	0
SERPIND1	0	0	0
GM609	0	0	0
ADGRG2	0	0	0
F2R	0	0	0
FIBIN	0	0	0
GABRD	0	0	0
CCDC15	0	0	0
METTL5	0	0	0
FBXO11	0	0	0
PTGER1	0	0	0
HPX	0	0	0
PEX11G	0	0	0
SLC35A4	1	0	0
ZFP963	0	0	0
GM9774	0	0	0
CCDC183	0	0	0
PLXNA2	0	0	0
BRDT	0	0	0

DEPDC5	0	0	1
PBLD2	0	0	0
PPP1R3E	0	0	0
TMEM127	0	0	0
TAOK3	0	0	0
KIF23	0	0	0
1700020L24RII	0	0	0
FBXL12	0	0	0
SMIM11	0	0	0
GM5812	0	0	0
BC064078	0	0	0
OLFR243	0	0	0
VSIG10L	0	0	0
ONECUT3	0	0	0
TTYH1	1	0	0
ING4	1	0	0
SLC9A6	0	0	0
OLFR1280	0	0	0
H1FX	0	0	0
ARL6IP4	0	0	0
TRIM24	1	1	0
GM4459	0	0	0
SART3	0	0	0
MTRR	0	0	0
SV2C	0	0	0
DIP2B	0	1	1
CSN1S2B	0	0	0
ACACA	0	0	1
PDE4DIP	0	0	0
MIA3	0	0	0
AU041133	0	0	0
FER	0	0	0
SMAD7	1	0	1
NLGN1	0	0	0
IKBKG	0	0	0
GJA5	0	0	0
PKNOX1	0	0	0
1600002K03RI	0	0	0
PADI3	0	0	0
ST14	0	0	0
MT-CO3	0	0	0
NAT8F4	0	0	0
FXYD3	0	0	0
RNPC3	0	0	0
DPP10	0	0	0
GM13433	0	0	0
GALNTL6	0	0	0
CNDP1	0	0	0
EFHC2	0	0	0
RFK	0	0	0

CCDC14	0	0	0
DPP9	0	0	0
2310022B05RI	0	0	0
MON1A	0	0	0
PCYT1A	0	0	0
OLFR373	0	0	0
DEAF1	0	0	0
FLNB	1	0	0
GATD1	0	0	0
AIPL1	0	0	0
RAB30	0	0	0
WISP2	0	0	1
MRPL9	0	0	0
ZFP689	0	0	0
NEFM	0	0	0
ERLIN1	0	0	0
PCDHB13	0	0	0
PHTF1	0	0	1
OLFR2	0	0	0
SIDT1	0	0	0
F830045P16RII	0	0	0
MAD1L1	0	0	0
GSTA4	0	0	0
GM11225	0	0	0
GM3696	0	0	0
ENSMUSG000C	0	0	0
KIF1A	0	0	0
SRD5A1	0	0	0
HDAC3	0	0	0
PCGF5	0	1	1
MND1	0	0	0
HDAC10	0	0	0
FO082328.1	0	0	0
AC117622.1	0	0	0
CR936839.2	0	0	0
CU041226.1	0	0	0
CT009635.1	0	0	0
AC240971.2	0	0	0
CR936842.1	0	0	0
SGMS1	0	0	0
HYOU1	0	0	0
GM20482	0	0	0
ACAD10	0	0	0
HSDL1	0	0	0
USP30	0	0	0
ACAA1A	0	0	0
1700001C19RI	0	0	0
ADGRE1	0	0	0
TSPAN15	0	0	0
LCN8	0	0	0

VDAC3	0	0	0
GM3411	0	0	0
AGBL1	0	0	1
NDUFA10	0	0	0
FNBP4	1	1	0
TMEM87B	0	0	1
CXCL14	0	0	0
HIST1H2BR	0	0	0
OLFR1372-PS1	0	0	0
PRSS23	0	0	0
GGTA1	0	0	0
GNG8	0	0	0
GUCY2G	0	0	0
GM11953	0	0	0
GM43191	0	0	0
GM3375	0	0	0
ALS2	0	0	0
PCX	0	0	0
ZFP959	0	0	1
TPM1	0	0	0
GMCL1	0	0	0
CLEC2H	0	0	0
COL4A6	0	0	0
BCL2L12	0	0	0
API5	0	0	0
SMT3H2-PS4	0	0	0
ENSMUSG000C	0	0	0
TRIM69	0	0	0
AKR1E1	0	0	0
BC029722	0	0	0
TMEM30C	0	0	0
BORCS5	0	0	0
HSF1	0	0	1
DCLRE1C	1	0	1
CFI	0	0	0
NUP210	0	0	0
TMEM181B-PS	0	0	0
MAN1A2	0	0	0
CACHD1	0	0	0
GM10160	0	0	0
TSPAN6	0	0	0
NKAPL	0	0	0
SPRY2	0	0	0
DONSON	0	0	0
GM3095	0	0	0
RBM48	0	0	0
OLFR796	0	0	0
CBX4	0	0	0
APON	0	0	0
SUMO2	0	0	0

PLBD2	0	0	0
NME7	0	0	0
DCBLD2	1	0	0
PSG25	0	0	0
MRPS36	0	0	0
BCAS2	0	0	0
MBL1	0	0	0
GM2223	0	0	0
CLEC2E	0	0	0
RABEP2	0	0	0
ZDHHC2	1	0	0
GM21560	0	0	0
DLL3	0	0	0
DCTN1	0	1	0
ART3	0	1	1
KCNJ14	0	0	0
GLRX2	0	0	0
PEX5L	0	0	0
POC1B	0	0	0
P3H3	0	0	0
POFUT1	0	1	0
KIF4	0	0	0
3300002I08RIK	0	0	0
MS4A14	0	0	0
JADE3	0	0	0
STARD6	0	0	0
ANXA8	0	0	0
AMBP	0	0	0
PIANP	0	0	0
SLC9A9	0	0	1
ADAM22	0	0	0
SV2B	0	0	0
ATP6V1G2	0	0	1
AXDND1	0	0	0
SDHB	0	0	1
LARP1B	0	0	0
GM3052	0	0	0
PRKG2	0	0	0
TNKS	0	0	0
DENND3	0	0	0
C1GALT1C1	0	0	0
DNAH6	0	0	0
GM28557	0	0	0
DEPDC1B	0	0	0
ITGB8	0	0	0
RSBN1	0	0	0
GM11841	0	0	0
RELCH	0	0	0
GM10698	0	0	0
ADCY4	0	0	0

SRRM2	1	1	1
KYNU	0	0	0
VSIG4	0	0	0
RGS9	0	0	0
TMEM269	0	0	0
TBPL1	0	0	0
ASTE1	0	0	0
SLIT1	0	0	0
GM5857	0	0	0
MPZL1	0	0	0
SETD5	1	1	1
9930012K11RI	0	0	0
CDKN2C	0	0	0
ASGR1	0	0	0
EPB41L2	0	1	0
AKAP8	0	0	0
GRIP1	0	0	1
GM17205	0	0	0
PRKAR1A	1	0	1
3000002C10RI	0	0	0
RPS15A-PS7	0	0	0
CHDH	0	0	0
EPHX1	0	0	0
HNRNPA0	0	0	0
ECI1	0	0	0
SATB1	0	0	0
SAFB	1	1	1
TC2N	0	0	0
METTL21A	0	0	0
TM7SF2	0	0	0
GM42742	0	0	0
ZFP961	0	0	0
KRT26	0	0	0
DERA	0	0	0
TMEM254C	0	0	0
GM15304	0	0	0
A930017K11RI	0	0	0
TEDDM2	0	0	0
ST5	0	0	0
GM10490	0	0	0
PLXNC1	0	0	0
OLFR1277	0	0	0
DSN1	0	0	0
FNDC3A	0	0	0
GDF1	0	0	0
SH3BP1	0	0	0
EFNA1	0	0	0
PAN3	1	1	0
TSPYL5	0	0	0
PCBP2	0	0	1

KLF8	0	0	0
ZFP599	0	0	0
GM9920	0	0	0
POGK	0	0	0
ZFP955A	0	0	0
TRAPPC5	1	0	0
PDLIM2	0	0	0
FNDC8	0	0	0
GM21958	0	0	0
ANKRD13D	0	0	0
UHRF1BP1	0	0	0
NINL	0	0	0
UCKL1	0	0	0
RSPRY1	0	0	1
ZFP365	0	0	0
SOX9	0	0	0
TNNI1	0	0	1
ACSF3	0	0	0
HARBI1	0	0	0
NIPBL	0	0	0
MFNG	0	0	0
URB2	0	0	0
MAP3K2	0	0	0
CWF19L2	1	0	1
OLFR1191-PS1	0	0	0
PPP1R8	0	0	0
GM10025	0	0	0
PIMREG	0	0	0
SSBP4	0	0	0
NDST2	0	0	0
2810459M11R	0	0	0
GM13285	0	0	0
GPATCH8	0	0	0
CREB3L3	0	0	0
RHBDD2	1	0	0
TLR8	0	0	0
OLFR414	0	0	0
FAM47E	0	0	0
MAP3K12	0	0	0
D17WSU92E	0	0	0
KLK14	0	0	0
NREP	0	0	0
GM12922	0	0	0
MYO15B	0	0	0
SLC25A4	0	0	0
ZFP951	0	0	0
GTF3C3	0	0	0
CFAP298	0	0	0
CYB5B	1	0	1
AKP-PS1	0	0	0

DYM	0	0	0
CHST2	0	0	0
NAALADL1	0	0	0
EFNA4	0	0	0
FOXF2	0	0	0
FAM208B	0	0	0
GM9776	0	0	0
CD27	0	0	0
TMEM110	0	0	0
SRGAP1	0	0	0
SLC15A1	0	0	0
P2RX5	0	0	0
GM19085	0	0	0
H2-Q1	0	0	0
MRPL50	0	0	0
LY6H	0	0	0
INPP4A	0	1	0
COL1A2	1	0	0
SMIM7	0	0	0
BEAN1	0	0	0
RNF111	0	0	0
TMC6	0	0	0
BRI3	0	1	1
MTA2	0	0	1
TRP53BP2	0	0	0
RAD51	1	0	1
PARPBP	0	0	0
PCDH9	0	0	0
HSPE1	0	0	0
GM12789	0	0	0
ZFP626	0	0	0
PTTG1	0	0	0
MAP3K4	0	0	0
ATG4A	0	0	0
SRPX	0	0	0
GATA5	0	0	0
DTWD1	0	0	1
ITGAD	0	0	1
LLGL2	0	0	0
IL34	0	0	0
SORL1	0	0	0
RHOT2	0	0	0
CDKL4	0	0	0
GM16485	0	0	0
DNAH12	0	0	0
HSPB6	0	0	0
ZFP317	0	1	0
FRAS1	0	0	0
ZFP69	0	0	0
D630044L22RI	0	0	0

SLC39A14	0	0	0
SERPINE2	0	0	0
ZC3H12B	0	0	0
MBTPS1	0	0	0
FCRLS	0	0	0
FBXL5	0	0	0
SCML4	0	0	0
LRRK1	0	0	0
HGH1	0	0	0
PYCRL	0	0	0
NUDT3	0	0	0
SLC35E3	0	0	0
POLG2	0	0	0
COL25A1	0	0	1
GM9949	0	0	0
IDH3B	0	0	0
CRIM1	1	0	1
OLFR472	0	0	0
ING1	0	0	0
SLC17A2	0	0	0
PHF13	0	0	0
XK	0	0	0
FAM19A2	0	0	1
TRAPPC9	0	0	0
RHOX2H	0	0	0
IFT57	0	0	0
FBP1	0	0	0
DMD	1	1	1
SUSD4	0	0	0
GM4034	0	0	0
FAM217A	0	0	0
DMRTA1	0	0	0
GTF2H4	0	0	0
AARSD1	0	0	0
TMCO6	0	0	0
GM9812	0	0	0
CCDC39	0	0	0
ENDOD1	0	0	0
ATOH8	0	0	0
ZFP738	0	0	0
STBD1	1	0	0
PCK2	0	0	0
TICAM2	0	0	0
ENSMUSG000C	0	0	0
SLC25A29	0	0	0
NKD2	0	0	0
STYX	0	0	1
KCNH4	0	0	0
MGAT4A	0	0	0
DDI2	0	0	0

AOC2	0	0	0
MPV17L	0	0	1
ST6GALNAC5	0	0	0
DPYSL5	0	0	1
NAA15	1	0	0
APOL9A	1	0	1
TOP2B	0	0	1
APOBEC2	0	0	0
SLC25A40	0	0	0
HTR1B	0	0	0
OLFR1209	0	0	0
TRAF3IP2	0	0	0
CAMK4	0	0	0
PSPN	0	0	0
PIP4P1	0	0	0
ZFP292	0	0	0
GM7251	0	0	0
KIF19A	0	0	1
DDX59	0	0	0
TCEA1	0	1	1
PPP4R3B	0	1	0
INPP5K	0	1	0
MAP3K15	0	1	0
HSPB3	0	0	0
GM5316	0	0	0
NPFF	0	0	0
KIF20B	0	0	0
C4BP	0	0	0
PTGIR	0	0	0
GM12231	0	0	0
CFAP97D2	0	0	0
OLFR31	0	0	0
TMEM17	0	0	0
UGP2	0	0	0
SEC16A	0	0	0
FAM117A	0	0	0
MAP3K7CL	0	0	1
PPA2	0	1	0
SLC4A2	1	0	0
ZDHHC18	0	0	0
GM9619	0	0	0
CRYBG1	0	0	0
COMP	0	0	0
OLFR893	0	0	0
D830030K20RI	0	0	0
TTC25	0	0	0
SIK1	0	0	0
BSPRY	0	0	0
FAAH	0	0	0
MAPKAPK5	0	0	0

COL4A3BP	0	0	0
GM10521	0	0	0
CAPN6	0	0	0
OBOX3	0	0	0
OLFR1264	0	0	0
ELP4	0	0	0
CHSY1	0	0	0
TSPAN10	0	0	0
PXK	0	0	0
ESCO2	0	0	0
GABRB3	0	0	0
LBX2	0	0	0
NCOR2	0	0	0
GM21182	0	0	0
BBC3	0	0	0
GM29288	0	0	0
GM8502	0	0	0
SLC28A3	0	0	0
GINS3	0	0	0
ALDOA	0	0	0
PKN1	0	0	0
GPR75	0	0	0
ZFP157	0	0	0
HACE1	0	0	0
GM7117	0	0	0
ZFP995	0	0	0
MAX	0	0	0
CHRM1	0	0	0
A430005L14RII	0	0	0
GM6161	0	0	0
TMEM198B	0	0	0
HES1	0	0	0
MIS18BP1	0	0	0
FASTK	0	0	0
PSRC1	0	0	1
MASTL	0	0	0
MSL2	1	0	0
METTL16	0	0	1
SNX19	0	0	0
OLFR487	0	0	0
ACOX2	0	0	0
CSTF2	0	0	0
NEIL1	0	0	0
OLFR510	0	0	0
H2-Q4	0	0	1
TRIM2	0	0	0
IMPDH1	0	0	0
GM10916	0	0	0
ZFAT	0	0	0
GM20768	0	0	0

KALRN	0	0	0
SZT2	0	0	0
ZFP992	0	0	0
CSDE1	0	1	1
VPS33A	0	0	0
FSD1L	0	0	0
UNC13C	0	0	0
GM48674	0	0	0
BCAR3	0	0	0
TPST1	0	0	0
COL5A3	0	0	0
WDR31	0	0	0
OLFR1196	0	0	0
EOMES	0	0	0
NBR1	0	0	1
UBA1Y	0	0	0
NECAB3	0	0	0
2700049A03RI	0	0	0
DHTKD1	0	0	0
RYS1	0	0	0
GM8798	0	0	0
GM9522	0	0	0
ANKRD44	0	0	0
GLTPD2	0	0	0
ITK	0	0	0
RNF17	0	0	0
DUSP11	0	0	0
SCNN1A	0	0	0
SCP2	0	0	0
CDKL2	0	0	0
GJC2	0	0	0
NSF	0	0	0
INTS2	0	0	0
SLC25A51	0	0	0
GM5859	0	0	0
4932414N04RI	0	0	1
CEP164	0	0	0
MOCS2	0	0	0
TADA2B	0	0	0
EPB42	0	0	0
FUNDC2	0	0	0
MID1	1	1	1
ARHGEF39	0	0	0
TSHB	0	0	0
DMC1	0	0	0
SLC25A45	0	0	0
OLFR1246	0	0	0
IFIT3	0	1	0
GM12960	0	0	0
CASP2	0	0	0

PDSS1	0	0	1
ATXN7L3B	0	0	0
SCN2A	0	0	0
PPFIA2	0	0	0
GM10358	0	0	0
ECD	0	0	0
SERHL	0	0	0
TAP1	0	0	0
USP29	0	0	0
CD40	0	0	0
ZFP944	0	0	0
HEBP1	0	0	0
NDUFS2	0	0	0
LRRC7	0	0	0
CPLX1	0	0	0
GM7435	0	0	0
ABCB8	0	1	0
KISS1R	0	0	0
SH3BP4	0	1	0
HPGDS	0	0	0
LDHAL6B	0	0	0
PTOV1	0	0	0
SLC30A9	0	1	1
RPS13-PS4	0	0	0
GM6853	0	0	0
TFPI	0	0	0
GM9493	0	0	0
UBE2W	0	0	0
F9	0	0	0
GM8108	0	0	0
TCF24	0	0	0
MRIP-PS	0	0	0
SLC25A20	0	0	0
DTWD2	0	0	0
IGF1	0	0	0
CAR4	0	0	0
SLC12A2	0	0	0
CDC25C	0	0	0
SLC39A8	0	0	0
PLIN1	0	0	0
VMN1R58	0	0	0
PXN	1	0	1
TTC5	0	0	0
GM28438	0	0	0
VWC2	0	0	0
GM10704	0	0	0
CD5L	0	0	0
FAM234A	0	0	0
DPH6	0	0	0
1700016D06RI	0	0	0

EXOC3L2	0	0	0
CYP4A14	0	0	0
GM7890	0	0	0
NPAT	0	0	0
4930539E08RII	0	0	0
MGST1	0	0	0
CES2A	0	0	0
FBXL15	0	0	0
TMEM102	0	0	0
LY96	0	0	0
NUDT10	0	0	0
CCDC160	0	0	0
RNF38	0	0	0
MPHOSPH8	0	0	0
GM10499	0	0	0
GM44922	0	0	0
CMC4	0	0	0
GHRL	0	0	0
SPA17	0	0	0
TBX18	0	0	0
HIPK3	0	0	0
SUPT3	0	0	0
GRIK5	0	0	0
STK32A	0	0	0
PNPO	0	0	0
GM4691	0	0	0
ARMH4	0	0	0
SLC16A13	0	0	0
RBM8A2	0	0	0
GM3625	0	0	0
LBP	0	0	0
DDHD1	0	0	0
CARD14	0	0	0
GM5564	0	0	0
GM14085	0	0	0
OLFR316	0	0	0
ALAS2	0	0	0
CKS1BRT	0	0	0
JAK3	0	0	0
OLFR642	0	0	0
PDIK1L	0	0	0
IL7	0	0	0
TMEM144	0	0	0
RHOX2C	0	0	0
ENSMUSG000C	0	0	0
NDUFS8	0	0	0
SAYS1	0	0	0
PHF12	0	0	1
ODF2L	0	0	0
SDHC	0	0	0

OLFR804	0	0	0
CNTFR	0	0	0
RECQL5	0	0	0
LRRC8C	1	0	0
PDGFRA	0	0	0
B9D2	0	0	0
GM10548	0	0	0
C1RL	0	0	0
ULBP1	0	0	0
FOCAD	0	0	0
RBCK1	0	0	0
GM29718	0	0	0
TFAP4	0	0	0
ABHD17C	0	0	0
SNX4	0	0	0
MMP27	0	0	0
STMN3	0	0	0
CYCT	0	0	0
TREX1	0	0	0
CENPQ	0	0	0
LANCL1	0	0	0
COCH	0	0	0
DBNDD2	0	0	0
MRPL45	0	0	0
GRPEL2	0	0	0
RTP4	0	0	0
GM4609	0	0	0
OLFR1217	0	0	0
SMIM19	0	0	0
OLFR846	0	0	0
C3	0	0	0
EFHC1	0	0	0
TNN	0	0	0
PRR15	0	0	0
OLFR1170	0	0	0
THAP4	0	0	0
SRRM3	0	0	0
GM12391	0	0	0
NXPE2	0	0	0
CABP7	0	0	0
SDHD	0	0	0
EPRS	0	0	0
ENKUR	0	0	0
OLFR1271	0	0	0
OLFR699	0	0	0
GM6793	0	0	0
AEKR01077154	0	0	0
HOXD8	0	0	0
LSM8	0	1	0
ARAF	1	0	1

TK2	0	0	0
UQCRFS1	0	0	0
VHL	0	0	0
NECTIN3	0	0	0
NAPG	1	0	0
RIC3	0	0	0
PPP1R27	0	0	0
ARSG	0	0	0
ASAP2	0	0	1
ITPRIPL1	0	0	0
PPM1H	0	0	0
KIF18B	0	0	0
RPL3L	0	0	0
MRC2	0	0	1
MBD1	0	0	0
BST2	0	0	0
VAV3	0	0	0
OLFR344	0	0	0
GM42372	0	0	0
TUBGCP3	0	0	0
2010300C02RI	0	0	0
9030624G23RI	0	0	0
UBL7	0	0	0
HSD17B10	0	0	0
GLMN	0	0	0
BC049715	0	0	0
2700062C07RI	0	0	0
ASB4	0	0	0
GM14434	0	0	0
NEK4	0	0	0
PISD-PS2	0	0	0
PCDHB22	0	0	0
GM10451	0	0	0
GM14419	0	0	0
1110008L16RII	0	0	0
TCEAL8	0	0	0
WDR89	0	0	0
CPB2	0	0	0
GTPBP10	0	0	0
KCNJ15	0	0	0
CKAP2L	0	0	0
DPAGT1	1	0	0
ZFP825	0	0	0
OLFR1224-PS1	0	0	0
PGGHG	0	0	0
GEN1	0	0	0
SERPINA3C	0	0	0
GM6505	0	0	0
HIST2H3B	0	1	0
PRELID3A	0	0	0

TRIP4	0	0	0
CLMP	0	0	0
INO80E	0	0	0
GAD2	0	0	0
IGHG2B	0	0	0
CHUK	0	0	0
GM10169	0	0	0
GM16588	0	0	0
SH3YL1	0	0	0
NRARP	0	0	0
UBE2U	0	0	0
HERC3	0	0	0
EYA3	0	0	1
OLFR1416	0	0	0
OLFR898	0	0	0
RND2	0	0	0
BBS10	0	0	0
PGBD5	0	0	0
LRRTM4	0	0	0
TSPAN7	0	0	1
RDH16	0	0	0
DHH	0	0	0
ATN1	0	0	0
EDC3	0	0	0
POM121	0	0	0
MYL2	1	1	1
PJA2	0	0	0
DCTN6	0	0	0
RRS1	0	0	0
GM8956	0	0	0
FBXO48	0	0	0
CCDC65	0	0	0
OLFR51	0	0	0
GM10604	0	0	0
LRWD1	0	0	0
3110001I22RIK	0	0	0
NAT8F1	0	0	0
OLFR1116	0	0	0
A630095E13RI	0	0	0
B4GALT2	0	0	0
YAP1	0	0	0
GM10130	0	0	0
ZSCAN29	0	0	0
PCDHGB5	0	0	0
TSNAX	0	0	0
SLC12A8	0	0	0
MECOM	0	0	0
PHF11C	0	0	0
RCN3	0	0	0
ATP13A2	0	0	0

NARFL	0	0	0
PTGR1	0	0	0
OLFR1378	0	0	0
RBM11	0	0	0
GM12854	0	0	0
OSR1	0	0	0
CNTLN	0	1	0
SLC5A3	1	0	1
AMY1	0	0	0
GM18666	0	0	0
SUGP2	1	0	0
SEC14L3	0	0	0
AGPAT3	0	0	0
ANKRD11	0	0	0
FBXO2	0	0	0
ZFP644	0	0	0
SKA2	0	0	1
PAQR5	0	0	0
CELF2	0	0	0
OGFOD1	0	0	0
GM14435	0	0	0
CLEC4F	0	0	0
9330161L09RII	0	0	0
PDXDC1	0	0	0
DNAH7B	0	0	1
NSG1	0	0	0
FBXW5	0	0	0
MTFR1	0	0	0
SLC35A3	0	0	0
PCDHGA8	0	0	0
FKBP10	0	0	0
PLPP6	0	0	0