

Gene	Chromosomal location	Q-value	Alteration Frequency
SETMAR	03p26.2	2.05E-09	5.8%
LHFPL4	03p25.3	2.05E-09	5.7%
MTMR14	03p26	2.05E-09	5.7%
CPNE9	03p25.3	2.05E-09	5.7%
BRPF1	03p26-p25	2.05E-09	5.6%
CAMK1	03p25.3	2.05E-09	5.6%
FANCD2	03p25.3	2.05E-09	5.7%
FANCD2OS	03p25.3	2.05E-09	5.7%
BRK1	03p25.3	2.05E-09	5.7%
VHL	03p25.3	2.05E-09	5.7%
IRAK2	03p25.2	2.05E-09	5.7%
TATDN2	03p25.3	2.05E-09	5.7%
GHRL	03p26-p25	2.05E-09	5.7%
SEC13	03p25-p24	2.05E-09	5.7%
ATP2B2	03p25.3	2.05E-09	5.7%
SLC6A11	03p25.3	2.05E-09	5.9%
SLC6A1	03p25.3	2.05E-09	5.9%
TAMM41	03p25.2	2.05E-09	5.7%
SYN2	03p25.2	2.05E-09	5.7%
TIMP4	03p25	2.05E-09	5.7%
PPARG	03p25	2.05E-09	5.7%
TSEN2	03p25.2	2.05E-09	5.7%
MKRN2	03p25	2.05E-09	5.7%
RAF1	03p25	2.05E-09	5.7%
TMEM40	03p25.2	2.05E-09	5.9%
CAND2	03p25.2	2.05E-09	5.9%
RPL32	03q13.3-q21	2.05E-09	5.7%
IQSEC1	03p25.2	2.05E-09	5.7%
WNT7A	03p25	2.05E-09	5.7%
CHCHD4	03p25.1	2.05E-09	5.7%
TMEM43	03p25.1	2.05E-09	5.7%
XPC	03p25.1	2.05E-09	5.9%
LSM3	03p25.1	2.05E-09	5.9%
SLC6A6	03p25.1	2.05E-09	5.7%
GRIP2	03p24-p23	2.05E-09	5.7%

CCDC174	03p25.1	2.05E-09	5.7%
C3orf20	03p25.1	2.05E-09	5.7%
FGD5	03p25.1	2.05E-09	6.0%
NR2C2	03p25	2.05E-09	5.9%
MRPS25	03p25	2.05E-09	5.7%
CAPN7	03p24	2.05E-09	5.9%
SH3BP5	03p24.3	2.05E-09	5.9%
TOP2B	03p24.2	2.05E-09	5.7%
NGLY1	03p23	2.05E-09	5.7%
OXSM	03p24.2	2.05E-09	5.7%
NEK10	03p24.1	2.05E-09	5.7%
SLC4A7	03p24.1	2.05E-09	5.7%
CMC1	03p24.1	2.05E-09	5.9%
AZI2	03p23	2.05E-09	5.9%
ZCWPW2	03p23	2.05E-09	5.9%
GADL1	03p24.1-p23	2.05E-09	6.4%
GPD1L	03p22.3	2.05E-09	5.8%
CMTM8	03p22.2	2.05E-09	5.8%
EOMES	03p24.1	2.11E-09	5.7%
GRM7	03p26-p25	3.52E-09	6.6%
CMTM6	03p22.2	3.52E-09	5.6%
DYNC1LI1	03p23	3.52E-09	5.6%
CNOT10	03p23	3.52E-09	5.6%
TRIM71	03p22.3	3.52E-09	5.6%
CCR4	03p24-p21.3	3.52E-09	5.6%
GLB1	03p22.3	3.52E-09	5.6%
TMPPE	03p22.3	3.52E-09	5.6%
CRTAP	03p22	3.52E-09	5.6%
SUSD5	03p23	3.52E-09	5.6%
CLASP2	03p24.3	3.52E-09	5.6%
PDCD6IP	03p22.3	3.64E-09	5.6%
ITPR1	03p26.1	3.64E-09	6.1%
LMCD1	03p26-p24	3.64E-09	5.5%
SSUH2	03p25.3	3.64E-09	5.5%
CAV3	03p25	3.64E-09	5.5%
OXTR	03p25	3.64E-09	5.5%

STT3B	03p24.1	3.64E-09	5.6%
OXSRI	03p22.2	3.64E-09	5.6%
SLC22A13	03p22.2	3.64E-09	5.6%
ARL8B	03p26.1	4.33E-09	5.5%
EDEM1	03p26.1	4.33E-09	5.5%
BHLHE40	03p26	4.55E-09	5.4%
SRGAP3	03p25.3	5.40E-09	6.0%
METTL6	03p25.1	5.55E-09	5.9%
EAF1	03p25.1	5.55E-09	5.9%
STAC	03p22.3	5.55E-09	5.4%
GOLGA4	03p22-p21.3	5.55E-09	5.5%
VILL	03p21	5.55E-09	5.5%
PLCD1	03p22-p21.3	5.55E-09	5.5%
DLEC1	03p21.3	5.55E-09	5.5%
ACAA1	03p22.2	5.55E-09	5.5%
MYD88	03p22	5.55E-09	5.5%
SLC22A14	03p21.3	5.55E-09	5.5%
XYLB	03p22-p21.3	5.55E-09	5.5%
ACVR2B	03p22	5.55E-09	5.5%
SCN10A	03p22.2	5.55E-09	5.5%
SCN11A	03p22.2	5.55E-09	5.5%
WDR48	03p21.33	5.55E-09	5.5%
GORASP1	03p22-p21.33	5.55E-09	5.5%
TTC21A	03p22.2	5.55E-09	5.5%
CSRNP1	03p22	5.55E-09	5.5%
XIRP1	03p21.33	5.55E-09	5.5%
CX3CR1	03p21.3	5.55E-09	5.5%
CCR8	03p22	5.55E-09	5.5%
SLC25A38	03p22.1	5.55E-09	5.5%
RPSA	03p21.3	5.55E-09	5.5%
MOBP	03p21.33	5.55E-09	5.5%
MYRIP	03p21.33	5.55E-09	5.5%
EIF1B	03p22.1	5.55E-09	5.5%
ENTPD3	03p21.3	5.55E-09	5.5%
RPL14	03p22-p21.2	5.55E-09	5.5%
ZNF619	03p21.33	5.55E-09	5.5%

ZNF620	03p21.33	5.55E-09	5.5%
ZNF621	03p21.33	5.55E-09	5.5%
SNRK	03p22.1	5.55E-09	5.6%
DCLK3	03p22.3	5.57E-09	5.4%
RFTN1	03p24.3	5.66E-09	5.9%
THUMPD3	03p25.3	7.84E-09	5.8%
SETD5	03p25.3	7.84E-09	5.8%
CTNNB1	03p21	7.84E-09	6.0%
UBE2E2	03p24.2	8.26E-09	5.9%
TGFBR2	03p22	9.16E-09	6.4%
ZBTB47	03p22.1	9.16E-09	5.4%
KLHL40	03p21.33	9.16E-09	5.4%
CCDC13	03p22.1	9.16E-09	5.4%
HHATL	03p22	9.16E-09	5.4%
HIGD1A	03p22.1	9.16E-09	5.4%
NKTR	03p22.1	9.37E-09	5.4%
SEC22C	03p24.3-p22.1	9.45E-09	5.4%
SS18L2	03p21	9.45E-09	5.4%
CCK	03p22.1	9.67E-09	5.4%
GALNT15	03p25.1	1.05E-08	5.8%
BTD	03p25	1.07E-08	5.8%
DPH3	03p25.1	1.08E-08	5.8%
OXNAD1	03p25-p24	1.08E-08	5.8%
SATB1	03p24.3	1.13E-08	5.7%
EFHB	03p24.3	1.13E-08	5.8%
RAB5A	03p24-p22	1.13E-08	5.8%
PP2D1	03p24.3	1.13E-08	5.8%
HDAC11	03p25.1	1.27E-08	5.7%
OGG1	03p26	1.38E-08	5.6%
TADA3	03p25.3	1.38E-08	5.6%
ARPC4	03p25	1.38E-08	5.6%
TTLL3	03p25.3	1.38E-08	5.6%
RPUSD3	03p25.3	1.38E-08	5.6%
CIDEC	03p25	1.38E-08	5.7%
JAGN1	03p25.2	1.38E-08	5.7%
IL17RE	03p25.3	1.38E-08	5.7%

IL17RC	03p25.3	1.38E-08	5.7%
CRELD1	03p25.3	1.38E-08	5.7%
PRRT3	03p25.3	1.38E-08	5.7%
EMC3	03p25.3	1.38E-08	5.7%
THRB	03p24.2	1.38E-08	5.7%
OSBPL10	03p23	1.38E-08	5.8%
CMTM7	03p22.2	1.38E-08	5.8%
LRRC3B	03p24	1.42E-08	5.7%
RPL15	03p24.1	1.44E-08	5.7%
NR1D2	03p24.1	1.44E-08	5.7%
UBE2E1	03p24.2	1.46E-08	5.7%
NKIRAS1	03p24.1	1.46E-08	5.7%
ACKR2	03p21.3	1.65E-08	5.2%
CYP8B1	03p22.1	1.65E-08	5.2%
ZNF662	03p22.1	1.68E-08	5.2%
LRRN1	03p26.2	1.69E-08	5.6%
KRBOX1	03p22.1	1.69E-08	5.2%
FAM198A	03p22.1	1.69E-08	5.2%
PLCL2	03p24.3	2.26E-08	6.1%
ZNF385D	03p24.3	2.35E-08	6.1%
FBXL2	03p22.3	2.60E-08	5.6%
UBP1	03p22.3	2.60E-08	5.6%
RBMS3	03p24-p23	2.63E-08	7.3%
ZNF860	03p24.1	2.70E-08	5.6%
RAD18	03p25.3	3.16E-08	5.5%
COLQ	03p	3.73E-08	5.9%
HACL1	03p24.3	3.73E-08	5.9%
NUP210	03p25	4.76E-08	5.9%
HRH1	03p25	4.78E-08	5.9%
FYCO1	03p21.3	4.99E-08	5.6%
LTF	03p21.31	5.84E-08	5.6%
ABHD5	03p21.33	5.92E-08	5.6%
ULK4	03p22.1	6.22E-08	6.0%
CTDSPL	03p21.3	6.29E-08	5.5%
EXOG	03p21.3	6.29E-08	5.5%
LRRFIP2	03p22.1	6.29E-08	5.5%

SCN5A	03p21	6.37E-08	5.5%
TRANK1	03p22.2	6.57E-08	5.4%
KAT2B	03p24	8.69E-08	5.8%
SGOL1	03p24.3	8.71E-08	5.8%
LZTFL1	03p21.3	1.05E-07	5.5%
CCR9	03p21.31	1.05E-07	5.5%
SACM1L	03p21.3	1.08E-07	5.5%
XCR1	03p21.3-p21.1	1.08E-07	5.5%
LIMD1	03p21.31	1.13E-07	5.5%
CCR3	03p21.3	1.13E-07	5.4%
CCR1	03p21	1.13E-07	5.4%
LYZL4	03p21.33	1.13E-07	5.4%
VIPR1	03p22	1.15E-07	5.4%
TGM4	03p22-p21.33	1.15E-07	5.4%
LARS2	03p21.3	1.17E-07	5.4%
TMEM42	03p21.31	1.17E-07	5.4%
RTP3	03p21.3	1.17E-07	5.4%
TRAK1	03p22.1	1.18E-07	5.4%
ZKSCAN7	03p21.32	1.18E-07	5.4%
ZNF660	03p21.32	1.18E-07	5.4%
ZNF197	03p21	1.18E-07	5.4%
ZNF35	03p21.32	1.18E-07	5.4%
ZNF502	03p21.32	1.18E-07	5.4%
ZNF501	03p21.32	1.18E-07	5.4%
KIAA1143	03p21.31	1.18E-07	5.4%
KIF15	03p21.31	1.18E-07	5.4%
TBC1D5	03p24.3	1.53E-07	6.4%
VGLL4	03p25.2	2.12E-07	6.7%
SMARCC1	03p21.31	2.13E-07	5.8%
CXCR6	03p21	2.18E-07	5.3%
ANO10	03p22.1-p21.33	2.24E-07	5.7%
ZDHHC3	03p21.31	2.34E-07	5.3%
EXOSC7	03p21.32	2.34E-07	5.3%
CLEC3B	03p22-p21.3	2.34E-07	5.3%
CDCP1	03p21.3	2.40E-07	5.3%
FBLN2	03p25-p24	2.83E-07	5.9%

SUMF1	03p26.1	2.91E-07	6.3%
ATG7	03p25.3-p25.2	4.09E-07	6.5%
CSPG5	03p21.3	4.25E-07	5.6%
DHX30	03p24.3-p22.1	4.40E-07	5.6%
SETD2	03p21.31	4.46E-07	5.6%
KIF9	03p21.31	4.46E-07	5.6%
ZNF445	03p21.32	4.71E-07	5.6%
ANKRD28	03p25.1	4.86E-07	5.8%
KCNH8	03p24.3	4.88E-07	5.8%
ARPP21	03p24.3	4.88E-07	5.4%
TMEM158	03p21.31	4.88E-07	5.1%
DAZL	03p24	5.03E-07	5.7%
EPM2AIP1	03p22.1	5.03E-07	5.4%
MLH1	03p22.3	5.03E-07	5.4%
RARB	03p24	6.90E-07	5.7%
SLC6A20	03p21.6	8.24E-07	5.5%
ALS2CL	03p21.31	8.49E-07	5.5%
TMIE	03p21	8.49E-07	5.5%
PRSS50	03p21.31	8.49E-07	5.5%
PRSS46	03p21.31	8.49E-07	5.5%
KLHL18	03p21	8.65E-07	5.5%
PRSS45	03p21.31	8.73E-07	5.4%
CCR2	03p21	8.74E-07	5.4%
CCR5	03p21	8.74E-07	5.4%
LRRC2	03p21.3	8.74E-07	5.5%
PRSS42	03p21.31	8.74E-07	5.4%
MYL3	03p	8.74E-07	5.4%
PTH1R	03p22-p21.1	8.74E-07	5.4%
CCDC12	03p21.31	8.74E-07	5.4%
NBEAL2	03p21.31	8.91E-07	5.4%
ZNF852	03p21.32	9.06E-07	5.4%
CRBN	03p26.3	1.61E-06	5.5%
IL5RA	03p26-p24	1.63E-06	5.5%
TRNT1	03p25.1	1.63E-06	5.5%
CHL1	03p26	1.98E-06	5.8%
CNTN6	03p26.3	1.98E-06	5.8%

ELP6	03p21.31	2.46E-06	5.6%
MAP4	03p21	2.58E-06	5.6%
TOPAZ1	03p21.33	2.60E-06	5.6%
TCAIM	03p21.33-p21.32	2.67E-06	5.6%
ITGA9	03p21.3	2.82E-06	5.5%
CAMP	03p21.3	4.83E-06	5.5%
ZNF589	03p21	4.90E-06	5.5%
NME6	03p21.31	4.90E-06	5.5%
TDGF1	03p21.31	5.09E-06	5.5%
CDC25A	03p21	5.09E-06	5.5%
SPINK8	03p21.31	5.09E-06	5.5%
FBXW12	03p21.31	5.09E-06	5.5%
PLXNB1	03p21.31	5.09E-06	5.5%
CCDC51	03p21.31	5.09E-06	5.5%
TMA7	03p21.31	5.09E-06	5.5%
ATRIP	03p21.31	5.09E-06	5.5%
SHISA5	03p21.31	5.09E-06	5.5%
TREX1	03p21.31	5.09E-06	5.5%
KLHDC8B	03p21.31	1.42E-05	5.7%
C3orf84	03p21.31	1.42E-05	5.7%
LAMB2	03p21.3-p21.2	1.45E-05	5.7%
CCDC71	03p21.31	1.45E-05	5.7%
TCTA	03p21	1.48E-05	5.7%
AMT	03p21.31	1.48E-05	5.7%
NICN1	03p21.31	1.48E-05	5.7%
RHOA	03p21.3	1.51E-05	5.7%
CNTN4	03p26.3	1.83E-05	6.0%
PTPN23	03p21.3	2.43E-05	5.5%
SCAP	03p21.31	2.43E-05	5.5%
PFKFB4	03p22-p21	2.51E-05	5.5%
UCN2	03p21.3	2.51E-05	5.5%
COL7A1	03p21.1	2.56E-05	5.5%
UQCRC1	03p21	2.56E-05	5.5%
IP6K2	03p21.31	2.59E-05	5.5%
CCDC36	03p21.31	2.79E-05	5.5%
PRKAR2A	03p21.3-p21.2	2.82E-05	5.5%

QARS	03p21.31	2.82E-05	5.5%
USP19	03p21.31	2.82E-05	5.5%
C3orf62	03p21.31	2.82E-05	5.5%
USP4	03p21.3	2.82E-05	5.5%
GPX1	03p21.3	2.87E-05	5.5%
DAG1	03p21	3.03E-05	5.5%
NCKIPSD	03p21	4.98E-05	5.3%
TMEM89	03p21.31	5.06E-05	5.3%
SLC26A6	03p21.31	5.06E-05	5.3%
CELSR3	03p21.31	5.06E-05	5.3%
SLC25A20	03p21.31	5.38E-05	5.3%
ARIH2OS	03p21.31	5.38E-05	5.3%
APEH	03p21	5.53E-05	5.3%
MST1	03p21	5.53E-05	5.3%
BSN	03p21	5.91E-05	5.3%
ARIH2	03p21	1.08E-04	5.5%
P4HTM	03p21.31	1.08E-04	5.5%
MANF	03p21.1	2.02E-04	5.4%
RBM15B	03p21.1	2.02E-04	5.4%
IQCF5	03p21.1	2.02E-04	5.4%
IQCF1	03p21.31	2.02E-04	5.4%
RRP9	03p21.31	2.02E-04	5.4%
ACY1	03p21.2	2.02E-04	5.4%
RPL29	03p21.3-p21.2	2.02E-04	5.4%
DUSP7	03p21	2.02E-04	5.4%
PARP3	03p21.2	2.02E-04	5.4%
GPR62	03p21.1	2.02E-04	5.4%
PCBP4	03p21	2.02E-04	5.4%
ABHD14B	03p21.2	2.02E-04	5.4%
ABHD14A	03p21.1	2.02E-04	5.4%
POC1A	03p21.2	2.02E-04	5.4%
AMIGO3	03p21	2.06E-04	5.3%
GMPPB	03p21.31	2.06E-04	5.3%
IQCF3	03p21.31	2.06E-04	5.3%
IQCF2	03p21.31	2.06E-04	5.3%
ALAS1	03p21	2.09E-04	5.3%

RNF123	03p24.3	2.10E-04	5.3%
DOCK3	03p21	2.84E-04	5.9%
WDR82	03p21.2	3.56E-04	5.5%
WDR6	03p21.31	3.58E-04	5.5%
DALRD3	03p21.31	3.58E-04	5.5%
NDUFAF3	03p21.31	3.58E-04	5.5%
IMPDH2	03p21.2	3.58E-04	5.5%
QRICH1	03p21.31	3.67E-04	5.5%
CACNA2D2	03p21.3	3.72E-04	5.5%
GNAT1	03p21	3.74E-04	5.5%
SLC38A3	03p21.3	3.74E-04	5.5%
GNAI2	03p21.31	3.74E-04	5.5%
SEMA3B	03p21.3	3.74E-04	5.5%
LSMEM2	03p21.31	3.74E-04	5.5%
IFRD2	03p21.3	3.74E-04	5.5%
HYAL3	03p21.3	3.74E-04	5.5%
HYAL1	03p21.31	3.74E-04	5.5%
NAT6	03p21.3	3.74E-04	5.5%
HYAL2	03p21.3	3.74E-04	5.5%
TUSC2	03p21.3	3.74E-04	5.5%
RASSF1	03p21.3	3.74E-04	5.5%
ZMYND10	03p21.3	3.74E-04	5.5%
NPRL2	03p21.3	3.74E-04	5.5%
CYB561D2	03p21.3	3.74E-04	5.5%
TMEM115	03p21.31	3.74E-04	5.5%
IP6K1	03p21.31	3.79E-04	5.1%
WNT5A	03p21-p14	3.98E-04	4.8%
MAPKAPK3	03p21.3	6.17E-04	5.4%
CISH	03p21.3	6.19E-04	5.3%
VPRBP	03p21.2	6.24E-04	5.4%
RAD54L2	03p21.2	6.24E-04	5.4%
C3orf18	03p21.3	6.28E-04	5.3%
HEMK1	03p21	6.28E-04	5.3%
TEX264	03p21	6.32E-04	5.3%
GRM2	03p21.2	6.32E-04	5.3%
IQCF6	03p21.1	6.32E-04	5.3%

MST1R	03p21	6.34E-04	5.3%
MON1A	03p21.31	6.34E-04	5.3%
RBM6	03p21.3	6.34E-04	5.3%
TLR9	03p21.3	6.34E-04	5.3%
TWF2	03p21.1	6.34E-04	5.3%
PPM1M	03p21.31	6.34E-04	5.3%
CACNA1D	03p14.3	6.66E-04	5.0%
GLYCTK	03p21.1	6.69E-04	5.3%
SEMA3F	03p21.3	6.71E-04	5.3%
DCP1A	03p21.1	7.16E-04	5.0%
LRTM1	03p14.3	7.28E-04	5.0%
CACNA2D3	03p21.1	1.01E-03	5.5%
ITIH1	03p21.1	1.02E-03	5.5%
GLT8D1	03p21.1	1.02E-03	5.5%
SPCS1	03p21.31	1.02E-03	5.5%
NEK4	03p21.1	1.02E-03	5.5%
ITIH3	03p21.1	1.02E-03	5.5%
ITIH4	03p21.1	1.02E-03	5.5%
MUSTN1	03p21.31	1.02E-03	5.5%
TMEM110	03p21.1	1.02E-03	5.5%
GNL3	03p21.1	1.04E-03	5.5%
ERC2	03p14.3	1.06E-03	5.5%
SFMBT1	03p21.31	1.08E-03	5.5%
CDHR4	03p21.31	1.13E-03	5.1%
FAM212A	03p21.31	1.13E-03	5.1%
UBA7	03p21	1.13E-03	5.1%
TRAIP	03p21.31	1.15E-03	5.1%
CAMKV	03p21.31	1.15E-03	5.1%
PRKCD	03p21.31	1.15E-03	5.2%
TKT	03p14.3	1.15E-03	5.2%
RFT1	03p21.1	1.20E-03	5.1%
RBM5	03p21.3	1.22E-03	5.1%
PXK	03p21.2	1.44E-03	4.1%
CHDH	03p21	2.37E-03	4.6%
IL17RB	03p21.1	2.37E-03	4.6%
ACTR8	03p21.31	2.37E-03	4.6%

KCTD6	03p21.2	5.72E-03	3.7%
ACOX2	03p14.3	5.72E-03	3.7%
PDHB	03p21.1-p14.2	5.77E-03	3.7%
FAM107A	03p14.2	5.77E-03	3.7%
SMIM4	03p21.1	6.91E-03	5.5%
PBRM1	03p21	7.64E-03	5.5%
FAM208A	03p14.3	8.33E-03	4.6%
RPP14	03p21.2	1.11E-02	3.9%
C3orf67	03p14.2	1.15E-02	3.5%
FAM3D	03p21.1	1.17E-02	3.5%
NISCH	03p21.1	1.20E-02	5.3%
STAB1	03p21.31	1.20E-02	5.3%
NT5DC2	03p21.1	1.20E-02	5.3%
SEMA3G	03p21.1	1.22E-02	5.3%
TNNC1	03p21.1	1.22E-02	5.3%
ARHGEF3	03p14.3	1.27E-02	4.8%
CCDC66	03p14.3	1.50E-02	4.4%
BAP1	03p21.1	1.58E-02	5.5%
DNAH1	03p21-p14	1.61E-02	5.5%
PHF7	03p21.31	1.61E-02	5.5%
ABHD6	03p21.2	2.15E-02	3.7%
APPL1	03p14.3	2.75E-02	4.2%
ASB14	03p21.1	2.75E-02	4.2%
DNAH12	03p21.1	2.75E-02	4.2%
HESX1	03p14.3	2.80E-02	4.2%
FLNB	03p14.3	3.39E-02	3.9%
DNASE1L3	03p14.3	3.86E-02	3.5%
IL17RD	03p21.1	4.07E-02	4.4%
PDE12	03p14.3	4.92E-02	4.1%