

Supplementary Table 2. RefSeq Genes that lie within the chromosome 6q14.1-6q16.1 linkage peak. Genes sequenced in this study are high

Gene Name	Position	Description
IRAK1BP1	79577293	Homo sapiens interleukin-1 receptor-associated kinase 1 binding protein 1 (IRAK1BP1)
PHIP	79650409	Homo sapiens pleckstrin homology domain interacting protein (PHIP)
HMGN3	79911404	Homo sapiens high mobility group nucleosomal binding domain 3 (HMGN3) transcript variant 1
LCA5	80196720	Homo sapiens Leber congenital amaurosis 5 (LCA5) transcript variant 1
SH3BGRL2	80341178	Homo sapiens SH3 domain binding glutamic acid-rich protein like 2 (SH3BGRL2)
C6orf7	80513591	Homo sapiens chromosome 6 open reading frame 7 (C6orf7)
ELOVL4	80626324	Homo sapiens ELOVL fatty acid elongase 4 (ELOVL4)
TTK	80715560	Homo sapiens TTK protein kinase (TTK) transcript variant 1 Homo sapiens branched chain keto acid dehydrogenase E1 beta polypeptide (BCKDHB) nuclear
BCKDHB	80816410	gene encoding mitochondrial protein
FAM46A	82459411	Homo sapiens family with sequence similarity 46 member A (FAM46A)
IBTK	82881141	Homo sapiens inhibitor of Bruton agammaglobulinemia tyrosine kinase (IBTK)
TPBG,	83074678	Homo sapiens trophoblast glycoprotein (TPBG) transcript variant 1
UBE2CBP	83602740	Homo sapiens ubiquitin-conjugating enzyme E2C binding protein (UBE2CBP)
DOPEY1	83806696	Homo sapiens dopey family member 1 (DOPEY1) transcript variant 1
PGM3	83878952	Homo sapiens phosphoglucomutase 3 (PGM3) transcript variant 1
RWDD2A	83904170	Homo sapiens RWD domain containing 2A (RWDD2A)
ME1	83921642	Homo sapiens malic enzyme 1 NADP(+)-dependent cytosolic (ME1)
PRSS35	84233160	Homo sapiens protease serine 35 (PRSS35) transcript variant 1 Homo sapiens synaptosomal-associated protein 91kDa homolog (mouse) (SNAP91) transcript
SNAP91	84265871	variant 1
RIPPLY2	84563135	Homo sapiens ripply2 homolog (zebrafish) (RIPPLY2)
CYB5R4	84569501	Homo sapiens cytochrome b5 reductase 4 (CYB5R4)
MRAP2	84765037	Homo sapiens melanocortin 2 receptor accessory protein 2 (MRAP2)
KIAA1009	84834788	Homo sapiens KIAA1009 (KIAA1009)
TBX18,	85446402	Homo sapiens T-box 18 (TBX18)
NT5E	86159857	Homo sapiens 5'-nucleotidase ecto (CD73) (NT5E) transcript variant 1
SNX14	86215684	Homo sapiens sorting nexin 14 (SNX14) transcript variant 1 Homo sapiens synaptotagmin binding cytoplasmic RNA interacting protein (SYNCRIP) transcript
SYNCRIP	86324473	variant 1
HTR1E	87725052	Homo sapiens 5-hydroxytryptamine (serotonin) receptor 1E (HTR1E)
CGA	87795473	Homo sapiens glycoprotein hormones alpha polypeptide (CGA)
ZNF292	87865309	Homo sapiens zinc finger protein 292 (ZNF292)

GJB7	87993958	Homo sapiens gap junction protein beta 7 25kDa (GJB7)
C6orf162	88046749	Homo sapiens chromosome 6 open reading frame 162 (C6orf162)
C6orf163	88054817	Homo sapiens chromosome 6 open reading frame 163 (C6orf163)
C6orf165,	88119557	Homo sapiens chromosome 6 open reading frame 165 (C6orf165)
SLC35A1	88182721	Homo sapiens solute carrier family 35 (CMP-sialic acid transporter) member A1 (SLC35A1) transcript variant 1
RARS2	88224130	Homo sapiens arginyl-tRNA synthetase 2 mitochondrial (RARS2) nuclear gene encoding mitochondrial protein
ORC3,	88299886	Homo sapiens origin recognition complex subunit 3 (ORC3) transcript variant 1
AKIRIN2	88385314	Homo sapiens akirin 2 (AKIRIN2)
SPACA1	88757623	Homo sapiens sperm acrosome associated 1 (SPACA1)
CNR1	88853574	Homo sapiens cannabinoid receptor 1 (brain) (CNR1)
RNGTT	89322437	Homo sapiens RNA guanylyltransferase and 5'-phosphatase (RNGTT)
PNRC1	89790613	Homo sapiens proline-rich nuclear receptor coactivator 1 (PNRC1)
SRSF12	89808296	Homo sapiens serine/arginine-rich splicing factor 12 (SRSF12)
PM20D2	89855863	Homo sapiens peptidase M20 domain containing 2 (PM20D2)
GABRR1	89888488	Homo sapiens gamma-aminobutyric acid (GABA) receptor rho 1 (GABRR1)
GABRR2	89967388	Homo sapiens gamma-aminobutyric acid (GABA) receptor rho 2 (GABRR2)
UBE2J1	90039397	Homo sapiens ubiquitin-conjugating enzyme E2 J1 U (UBE2J1)
RRAGD	90077774	Homo sapiens Ras-related GTP binding D (RRAGD)
ANKRD6	90276695	Homo sapiens ankyrin repeat domain 6 (ANKRD6)
LYRM2	90346991	Homo sapiens LYR motif containing 2 (LYRM2) transcript variant 1
MDN1	90353723	Homo sapiens MDN1 midasin homolog (yeast) (MDN1)
CASP8AP2	90556308	Homo sapiens caspase 8 associated protein 2 (CASP8AP2)
GJA10	90604187	Homo sapiens gap junction protein alpha 10 62kDa (GJA10)
BACH2	90642126	Homo sapiens BTB and CNC homology 1 basic leucine zipper transcription factor 2 (BACH2)
MAP3K7	91226219	Homo sapiens mitogen-activated protein kinase kinase kinase 7 (MAP3K7) transcript variant A
EPHA7	93953143	Homo sapiens EPH receptor A7 (EPHA7)
MANEA	96034315	Homo sapiens mannosidase endo-alpha (MANEA)
FUT9	96651031	Homo sapiens fucosyltransferase 9 (alpha (13) fucosyltransferase) (FUT9)
UFL1	96969749	Homo sapiens UFM1-specific ligase 1 (UFL1)
FHL5	97051489	Homo sapiens four and a half LIM domains 5 (FHL5) transcript variant 1
GPR63	97246347	Homo sapiens G protein-coupled receptor 63 (GPR63) transcript variant 1
NDUFAF4	97338979	Homo sapiens NADH dehydrogenase (ubiquinone) 1 alpha subcomplex assembly factor 4 (NDUFAF4) nuclear gene encoding mitochondrial protein
KLHL32	97414936	Homo sapiens kelch-like 32 (Drosophila) (KLHL32)

MMS22L	97594681	Homo sapiens MMS22-like DNA repair protein (MMS22L)
POU3F2	99282749	Homo sapiens POU class 3 homeobox 2 (POU3F2)
FBXL4	99322153	Homo sapiens F-box and leucine-rich repeat protein 4 (FBXL4)
C6orf168	99729039	Homo sapiens chromosome 6 open reading frame 168 (C6orf168)
COQ3	99817475	Homo sapiens coenzyme Q3 homolog methyltransferase (<i>S cerevisiae</i>) (COQ3)
PNISR	99848415	Homo sapiens PNN-interacting serine/arginine-rich protein (PNISR) transcript variant 1
USP45	99883591	Homo sapiens ubiquitin specific peptidase 45 (USP45)
LOC100130890	99973954	Homo sapiens uncharacterized LOC100130890 (LOC100130890)
CCNC	99991430	Homo sapiens cyclin C (CCNC) transcript variant 1
PRDM13	100054910	Homo sapiens PR domain containing 13 (PRDM13)