Supplementary Table: Rare variants predicted to change the primary sequence of the gene product

Coordinate		Gene	Nucleotide change	Consequence
1:924522		*CTDP1*	c.1990C>A	Nonsyn SNV
1:104890731		*LOC106558999*	c.-56+1_-56+2insT	Splicing
2:33828898		*ADARB2*	c.1879G>A	Nonsyn SNV
2:42310546		*SPINK5*	c.293A>T	Nonsyn SNV
2:43248005		*IL6ST*	c.12G>T	Nonsyn SNV
2:48844920		*IPO11*	c.2096G>A	Nonsyn SNV
2:48844931		*IPO11*	c.2107C>A	Nonsyn SNV
2:52647551		*CD180*	c.646C>T	Nonsyn SNV
2:57243653		***HEXB***	**c.945_947delCCT**	**Del**
2:58350523		*CCDC113*	c.913G>A	Nonsyn SNV
2:58579428		*CNGB1*	c.214C>T	Nonsyn SNV
2:58781765		*ADGRG3*	c.1595C>T	Nonsyn SNV
2:65342376		*LOC487290*	c.203G>A	Nonsyn SNV
2:76408401		*LACTBL1*	c.677C>T	Nonsyn SNV
3:18314343		*ADGRV1*	c.3502C>T	Nonsyn SNV
4:57953189		*SLC36A2*	c.958C>T	Nonsyn SNV
4:59883859		*SH3TC2*	c.1273G>A	Nonsyn SNV
6:8811313		*MUC17*	c.1294_1295insAGACGTGACCACATCATCAGTATCTCCAG ATGGGACCACATCAGCAGCTGCTCCA	Stopgain
6:12571677		*TNRC18*	c.4857C>G	Nonsyn SNV
6:13248516		*SDK1*	c.2912G>T	Nonsyn SNV
6:15276899		*ELFN1*	c.1886C>T	Nonsyn SNV
6:15413161		*TMEM184A*	c.166C>T	Nonsyn SNV
6:36540441		*PPL*	c.4405C>T	Nonsyn SNV
6:36661974		*ZNF500*	c.1361G>A	Nonsyn SNV
6:39118587		*IGFALS*	c.1900G>A	Nonsyn SNV
6:39121141		*NUBP2*	c.37G>A	Nonsyn SNV
6:39478018		*LOC448801*	c.116C>T	Nonsyn SNV
6:39511373		*CACNA1H*	c.6328G>T	Nonsyn SNV
6:39518309		*CACNA1H*	c.4445G>A	Nonsyn SNV
6:39978234		*PIGQ*	c.292G>T	Nonsyn SNV
6:39984223		*NHLRC4*	c.1259G>A	Nonsyn SNV
6:39984362		*NHLRC4*	c.1120G>A	Nonsyn SNV
6:39984617		*NHLRC4*	c.865G>A	Nonsyn SNV
6:40429609		*LOC611642*	c.278G>A	Nonsyn SNV
6:40654696		*LOC611675*	c.993_994insCTGCCTCCATCTACCTATGTTCTTAATGTATG TATACACCCCAGG	Ins
6:40823680		*DENND2D*	c.264G>T	Nonsyn SNV
9:36330268		*CA4*	c.412A>G	Nonsyn SNV
11:3522330		*LOC474642*	c.328C>T	Stopgain
11:12337210		*SNCAIP*	c.997C>G	Nonsyn SNV
14:40359259		*HOXA11*	c.664_665insCGG	Ins
14:43195886		*NOD1*	c.1534G>A	Nonsyn SNV
15:1570206		*HIVEP3*	c.3269C>T	Nonsyn SNV
15:3345340		*LOC100855618*	c.1268C>T	Nonsyn SNV
15:5952737		*SH3D21*	c.308G>A	Nonsyn SNV
15:6922899		*ZMYM1*	c.319G>T	Nonsyn SNV
15:7005024		*ZMYM6*	c.2847A>G	Nonsyn SNV
15:8995338		*ORC1*	c.2554G>A	Nonsyn SNV
15:15536284		*BEST4*	c.479C>T	Nonsyn SNV
15:16132552		*KLF18*	c.1367A>T	Nonsyn SNV
15:17495861		*LOC100855686*	c.40C>T	Nonsyn SNV
15:17763635		*KLHL33*	c.565G>C	Nonsyn SNV

Coordinate		Gene	Nucleotide change	Consequence
15:18124446		*TPPP2*	c.479G>A	Nonsyn SNV
15:22772701		*LOC106559776*	c.39_41delTGT	Del
15:51916068		*DCHS2*	c.9953C>T	Nonsyn SNV
16:5993505		*COR13M1*	c.125A>C	Nonsyn SNV
16:20282728		*PTPRN2*	c.1516G>A	Nonsyn SNV
18:26154975		*LOC106559966*	c.443G>C	Nonsyn SNV
18:46124790		*LOC102153419*	c.938G>A	Nonsyn SNV
18:53442696		*LGALS12*	c.407T>C	Nonsyn SNV
22:52246650		*CCDC168*	c.2524C>T	Nonsyn SNV
22:52356145		*ERCC5*	c.1658C>T	Nonsyn SNV
23:8212869		*ACVR2B*	c.431C>T	Nonsyn SNV
23:8790242		*TTC21A*	c.782A>C	Nonsyn SNV
23:8853006		*XIRP1*	c.2857C>T	Nonsyn SNV
24:44550537		*PPP1R3D*	c.683G>A	Nonsyn SNV
25:35432289		*LOC106557768*	c.556delT	Frameshift Del
25:35432291		*LOC106557768*	c.558_559delCC	Stopgain
25:37253297		*ZNF596*	c.157A>G	Nonsyn SNV
27:1770147		*PRR13*	c.344A>T	Nonsyn SNV
27:2448245		*KRT2*	c.392G>C	Nonsyn SNV
27:38938186		*VWF*	c.6380C>T	Nonsyn SNV
31:29813863		*C31H21orf140*	c.738_740delCTA	Del
31:38348044		*LOC100685181*	c.241G>A	Nonsyn SNV
31:38355090		*LOC611489*	c.568_569insCACCTCCA	Frameshift Ins
33:29155279		*TNK2*	c.1597G>A	Nonsyn SNV
36:3337579		*GALNT5*	c.1166A>G	Nonsyn SNV
X:1454947		*XG*	c.358G>A	Nonsyn SNV
X:1459432		*XG*	c.399C>G	Nonsyn SNV
X:6822143		*WWC3*	c.2382G>C	Nonsyn SNV
X:77011557		*TCEAL4*	c.250_270delAAGCCAGCGGAGAGCGAGGGG	Del