

12	55,447,580		C>T	Intron 6	C/C	88	21	7	3	0.6242	0.7319	2.7266	0.2558	7.0012	0.03
					C/T	1	0	0	0						
					T/T	0	0	0	0						
13	55,447,572	rs775876	T>C	Intron 6	T/T	11	2	1	0	0.977	0.6136	1.1405	0.5654	0.3158	0.8539
					T/C	49	9	2	2						
					C/C	29	10	4	1						
14	55,447,501	rs733993	C>T	Intron 6	C/C	59	14	3	3	0.0682	0.9665	1.8056	0.4054	3.3064	0.1914
					C/T	28	7	4	0						
					T/T	2	0	0	0						
15	55,447,497		G>T	Intron 6	G/G	87	20	7	2	0.0117	0.9942	0.9475	0.6227	1.7667	0.4134
					G/T	2	1	0	1						
					T/T	0	0	0	0						
16	55,445,174	rs269957	A>G	Intron 8	A/A	67	16	6	2	0.3033	0.8593	0.0895	0.9562	0.7619	0.6832
					A/G	17	5	1	1						
					G/G	5	0	0	0						
17	55,441,995	rs269951	T>C	Exon 9	T/T	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					T/C	39	7	2	1						
					C/C	38	12	4	2						
18	55,441,902	rs269950	A>G	Exon 9	A/A	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					A/G	39	7	2	1						
					G/G	38	12	4	2						
19	55,441,769	rs269949	C>T	Intron 9	C/C	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					C/T	39	7	2	1						
					T/T	38	12	4	2						
20	55,441,744	rs647845	G>A	Intron 9	G/G	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					G/A	39	7	2	1						
					A/A	38	12	4	2						
21	55,441,741	rs647844	T>C	Intron 9	T/T	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					T/C	39	7	2	1						
					C/C	38	12	4	2						
22	55,441,643	rs269948	G>A	Intron 9	G/G	12	2	1	0	0.7397	0.6908	0.3382	0.8444	0.0941	0.954
					G/A	39	7	2	1						
					A/A	38	12	4	2						
23	55,441,464	rs12982105	G>T	Intron 9	G/G	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					G/T	39	7	2	1						
					T/T	38	12	4	2						
24	55,441,459	rs11671162	C>A	Intron 9	C/C	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					C/A	39	7	2	1						
					A/A	38	12	4	2						
25	55,441,427	rs269947	T>C	Intron 9	T/T	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					T/C	39	7	2	1						
					C/C	38	12	4	2						
26	55,441,400	rs269946	C>T	Intron 9	C/C	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					C/T	39	7	2	1						

					T/T	38	12	4	2						
27	55,441,356	rs269945	T>C	Intron 9	T/T	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					T/C	39	7	2	1						
					C/C	38	12	4	2						
28	55,441,340	rs269944	T>C	Intron 9	T/T	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					T/C	39	7	2	1						
					C/C	38	12	4	2						
29	55441306_55 441308	rs676928 26 rs564141 77	dup G	Intron 9	G/G	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					G/dupG	39	7	2	1						
					dup/dup	38	12	4	2						
30	55,441,209		C>T	Intron 9	C/C	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					C/T	39	7	2	1						
					T/T	38	12	4	2						
31	55,439,168	rs775870	G>C	Intron 10	G/G	74	18	5	3	0.0017	0.9991	0.0717	0.9648	0.0003	0.9999
					G/C	15	3	2	0						
					C/C	0	0	0	0						
32	55,439,166	rs269933	A>G	Intron 10	A/A	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					A/G	39	7	2	1						
					G/G	38	12	4	2						
33	55,439,158		G>A	Intron 10	G/G	89	20	6	3	0.6242	0.7319	2.7266	0.2558	0.0861	0.9578
					G/A	0	1	1	0						
					A/A	0	0	0	0						
34	55,438,948		TTTTGT TTTT> TTTT	Intron 10	TTTTGTT TTT/TTTT GTTTTT	12	2	1	0	0.7397	0.6908	0.3822	0.8261	0.0919	0.9551
					TTTTGTT TTT/TTTT TTT	39	7	2	1						
					TTTTTT/ TTTTTT	38	12	4	2						
35	55,435,269	rs799484 44	del G	Intron 11	G/G	45	12	4	0	0.0551	0.9728	0.4203	0.8105	3.1859	0.2033
					G/delG	41	9	3	3						
					delG/delG	3	0	0	0						

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr1	52947351	52947351	Heterozygous A	-	-	Novel	ZC0CH11	INTRONIC	
chr1	52947351	52947351	Heterozygous A	-	-	Novel	ZC0CH11	INTRONIC	
chr1	53158524	53158524	Heterozygous A	C	-	Novel	C1orf163	NON_SYNONYMI-V->G	
chr1	53364909	53364910	Heterozygous AA	-	-	Novel	ECHDC2	INTRONIC	
chr1	53377216	53377216	Heterozygous G	C	-	Novel	ECHDC2	INTRONIC	
chr1	54252940	54252940	Heterozygous A	-	-	Novel	TMEM48	INTRONIC	
chr1	54252940	54252940	Heterozygous A	-	-	Novel	TMEM48	INTRONIC	
chr1	54252940	54252940	Heterozygous A	-	-	Novel	TMEM48	INTRONIC	
chr1	54370235	54370236	Heterozygous -	G	-	Novel	DIO1	INTRONIC	
chr1	54370235	54370236	Heterozygous -	G	-	Novel	DIO1	INTRONIC	
chr1	54370235	54370236	Heterozygous -	G	-	Novel	DIO1	INTRONIC	
chr1	54395674	54395674	Heterozygous A	-	-	Novel	HSPB11	INTRONIC	
chr1	55064898	55064898	Homozygous A	T	-	Novel	ACOT11	INTRONIC	
chr1	55064898	55064898	Heterozygous A	T	-	Novel	ACOT11	INTRONIC	
chr1	55599890	55599890	Heterozygous A	G	-	Novel	USP24	INTRONIC	
chr1	57425889	57425889	Heterozygous G	-	-	Novel	C8B	INTRONIC	
chr1	58521722	58521722	Heterozygous T	-	-	Novel	DAB1	INTRONIC	
chr1	60326045	60326045	Heterozygous C	G	-	Novel	HOOK1	INTRONIC	
chr1	64022709	64022709	Heterozygous A	-	-	Novel	EFGB7	INTRONIC	
chr1	65129234	65129235	Heterozygous AA	-	-	Novel	CACHD1	INTRONIC	
chr1	65129234	65129235	Heterozygous AA	-A	-	Novel	CACHD1	INTRONIC	
chr1	65131893	65131893	Heterozygous A	-	-	Novel	CACHD1	INTRONIC	
chr1	67109410	67109411	Heterozygous -	TG TG	-	Novel	SGIP1	SP LICE_SITE	
chr1	67154731	67154732	Heterozygous AA	-	-	Novel	SGIP1	INTRONIC	
chr1	67154731	67154732	Heterozygous AA	-A	-	Novel	SGIP1	INTRONIC	
chr1	68952565	68952566	Heterozygous AC	-	-	Novel	DEPDC1	INTRONIC	
chr1	68952565	68952566	Heterozygous AC	-	-	Novel	DEPDC1	INTRONIC	
chr1	75614381	75614381	Heterozygous T	-	-	Novel	LHX8	INTRONIC	
chr1	76775659	76775659	Heterozygous G	T	-	Novel	ST6GALNAC	INTRONIC	
chr1	76775659	76775659	Heterozygous G	T	-	Novel	ST6GALNAC	INTRONIC	
chr1	77635176	77635178	Heterozygous CTC	-	-	Novel	PIGK	INTRONIC	
chr1	78098575	78098575	Heterozygous T	C	-	Novel	ZZZ3	SYNONYMOUS_CODING	
chr1	78471050	78471050	Heterozygous T	-	-	Novel	DNAJB4	INTRONIC	
chr1	82435079	82435079	Heterozygous C	T	-	Novel	LPHN2	SP LICE_SITE	
chr1	86909726	86909726	Heterozygous C	T	-	Novel	CLCA2	INTRONIC	
chr1	92706439	92706439	Heterozygous G	C	-	Novel	C1orf146	INTRONIC	
chr1	93998919	93998919	Heterozygous A	G	-	Novel	GENIC		
chr1	94544805	94544806	Heterozygous -	CA	-	Novel	ABGA4	INTRONIC	
chr1	98015088	98015088	Heterozygous T	C	-	Novel	DPYD	INTRONIC	
chr1	100379180	100379180	Heterozygous G	A	-	Novel	AGL	NON_SYNONYMI-E->K	
chr1	100379180	100379180	Heterozygous G	A	-	Novel	AGL	NON_SYNONYMI-E->K	
chr1	100379180	100379180	Heterozygous G	A	-	Novel	AGL	NON_SYNONYMI-E->K	
chr1	100379180	100379180	Heterozygous G	A	-	Novel	AGL	NON_SYNONYMI-E->K	
chr1	100379180	100379180	Heterozygous G	A	-	Novel	AGL	NON_SYNONYMI-E->K	
chr1	103471457	103471459	Heterozygous CAT	-	-	Novel	COL11A1	INTRONIC	
chr1	103471457	103471459	Heterozygous CAT	-	-	Novel	COL11A1	INTRONIC	
chr1	103471457	103471459	Heterozygous CAT	-	-	Novel	COL11A1	INTRONIC	
chr1	103471457	103471459	Heterozygous CAT	-	-	Novel	COL11A1	INTRONIC	
chr1	109261321	109261322	Heterozygous -	A	-	Novel	FINDC7	INTRONIC	
chr1	109816144	109816144	Heterozygous C	T	-	Novel	CELSR2	NON_SYNONYMI-R->W	
chr1	109856844	109856844	Heterozygous G	-	-	Novel	SORT1	INTRONIC	
chr1	110199226	110199226	Homozygous G	-	-	Novel	GSTM4	INTRONIC	
chr1	110199226	110199226	Homozygous G	-	-	Novel	GSTM4	INTRONIC	
chr1	110199226	110199226	Homozygous G	-	-	Novel	GSTM4	INTRONIC	
chr1	110591955	110591955	Heterozygous C	T	-	Novel	FAM40A	INTRONIC	
chr1	110592049	110592049	Heterozygous T	-	-	Novel	FAM40A	INTRONIC	
chr1	110923541	110923541	Heterozygous A	G	-	Novel	SLC16A4	INTRONIC	
chr1	112305407	112305407	Heterozygous A	-	-	Novel	DDX20	SP LICE_SITE	
chr1	114442355	114442356	Heterozygous -	A	-	Novel	AP4B1	INTRONIC	
chr1	114495348	114495349	Heterozygous -	T	-	Novel	HIPK1	INTRONIC	
chr1	114495348	114495349	Heterozygous -	T	-	Novel	HIPK1	INTRONIC	
chr1	114495348	114495349	Heterozygous -	T	-	Novel	HIPK1	UPSTREAM	
chr1	114495348	114495349	Heterozygous -	T	-	Novel	HIPK1	INTRONIC	
chr1	115165724	115165724	Heterozygous A	G	-	Novel	DENND2C	SP LICE_SITE	
chr1	115222966	115222966	Heterozygous A	G	-	Novel	AMPD1	SYNONYMOUS_CODING	
chr1	115222966	115222966	Heterozygous A	G	-	Novel	AMPD1	SYNONYMOUS_CODING	
chr1	115829134	115829134	Heterozygous A	A	-	Novel	NGF	NON_SYNONYMI-C	
chr1	117660705	117660705	Heterozygous C	T	-	Novel	TRIM45	SYNONYMOUS_CODING	
chr1	117660705	117660705	Heterozygous C	T	-	Novel	TRIM45	SP LICE_SITE	
chr1	118550655	118550655	Homozygous T	G	-	Novel	SPAG17	INTRONIC	
chr1	120295048	120295048	Heterozygous C	T	-	Novel	HMGCS2	INTRONIC	
chr1	120295048	120295048	Heterozygous C	T	-	Novel	HMGCS2	INTRONIC	
chr1	144220777	144220777	Heterozygous T	C	-	Novel	GENIC		
chr1	144220807	144220807	Heterozygous A	C	-	Novel	GENIC		
chr1	144220850	144220850	Heterozygous T	G	-	Novel	GENIC		

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr1	144618043	144618043	Heterozygous C	A	-	Novel	GENIC		
chr1	144619507	144619507	Heterozygous C	A	-	Novel	GENIC		
chr1	144892285	144892285	Heterozygous T	C	-	Novel	PDE4DIP	INTRONIC	
chr1	144892285	144892285	Heterozygous T	C	-	Novel	PDE4DIP	INTRONIC	
chr1	144892285	144892285	Heterozygous T	C	-	Novel	PDE4DIP	INTRONIC	
chr1	144905993	144905993	Heterozygous A	-	-	Novel	PDE4DIP	INTRONIC	
chr1	144905993	144905993	Heterozygous A	-	-	Novel	PDE4DIP	INTRONIC	
chr1	144905993	144905993	Heterozygous A	-	-	Novel	PDE4DIP	INTRONIC	
chr1	144921911	144921911	Heterozygous T	C	-	Novel	PDE4DIP	NON_SYNONYMI-K->R	
chr1	144921911	144921911	Heterozygous T	C	-	Novel	PDE4DIP	NON_SYNONYMI-K->R	
chr1	144921911	144921911	Heterozygous T	C	-	Novel	PDE4DIP	NON_SYNONYMI-K->R	
chr1	144923729	144923729	Heterozygous T	-	-	Novel	PDE4DIP	FRAMESHIFT_CODING	
chr1	144923729	144923729	Heterozygous T	-	-	Novel	PDE4DIP	FRAMESHIFT_CODING	
chr1	145039691	145039691	Heterozygous G	A	-	Novel	PDE4DIP	INTRONIC	
chr1	145304667	145304667	Heterozygous C	T	-	Novel	NBP10	INTRONIC	
chr1	145323656	145323656	Heterozygous A	T	-	Novel	NBP10	EXONIC	
chr1	145323757	145323757	Heterozygous A	T	-	Novel	NBP10	INTRONIC	
chr1	145368411	145368411	Heterozygous C	G	-	Novel	NBP10	INTRONIC	
chr1	145456733	145456733	Heterozygous A	-	-	Novel	POLR3GL5	INTRONIC	
chr1	145562375	145562375	Heterozygous A	G	-	Novel	ANKRD38	NON_SYNONYMI-E->G	
chr1	145650410	145650410	Heterozygous A	G	-	Novel	RNF115	INTRONIC	
chr1	145748588	145748589	Heterozygous -	T	-	Novel	PDZK1	ESSENTIAL_SP LICE_SITE	
chr1	147380359	147380359	Heterozygous G	AC	-	Novel	GJA8	NON_SYNONYMI-V->M	
chr1	147400714	147400715	Heterozygous -	AC	-	Novel	GPR9B	INTRONIC	
chr1	148008746	148008746	Heterozygous G	C	-	Novel	NBP14	INTRONIC	
chr1	148009349	148009349	Heterozygous A	G	-	Novel	NBP14	NON_SYNONYMI-M->T	
chr1	150932954	150932954	Heterozygous A	-	-	Novel	SETDB1	INTRONIC	
chr1	150932954	150932954	Heterozygous A	-	-	Novel	SETDB1	INTRONIC	
chr1	150988222	150988222	Heterozygous T	-	-	Novel	PRUNE	INTRONIC	
chr1	151090057	151090057	Heterozygous C	T	-	Novel	GABBP2	INTRONIC	
chr1	151381321	151381321	Heterozygous A	-	-	Novel	POGZ	INTRONIC	
chr1	151381321	151381321	Heterozygous A	-	-	Novel	POGZ	INTRONIC	
chr1	151381321	151381321	Heterozygous A	-	-	Novel	POGZ	INTRONIC	
chr1	151381321	151381321	Heterozygous A	-	-	Novel	POGZ	INTRONIC	
chr1	151381321	151381321	Heterozygous A	-	-	Novel	POGZ	INTRONIC	
chr1	152191809	152191809	Heterozygous C	T	-	Novel	HRNR	NON_SYNONYMI-G->S	
chr1	152681089	152681089	Heterozygous G	C	-	Novel	LCE4A	SYNONYMOUS_CODING	
chr1	152759836	152759836	Heterozygous C	A	-	Novel	LCE1E	NON_SYNONYMI-P->T	
chr1	153636469	153636470	Heterozygous TA	-	-	Novel	ILF2	INTRONIC	
chr1	153921484	153921484	Heterozygous C	-	-	Novel	CRTC2	INTRONIC	
chr1	153963995	153963996	Heterozygous -	AG	-	Novel	RPS27	INTRONIC	
chr1	153963995	153963996	Heterozygous -	AG	-	Novel	NUP210L	DOWNSTREAM	
chr1	153963995	153963996	Heterozygous -	AG	-	Novel	NUP210L	DOWNSTREAM	
chr1	154042664	154042664	Heterozygous C	T	-	Novel	NUP210L	INTRONIC	
chr1	154042664	154042664	Heterozygous C	T	-	Novel	NUP210L	INTRONIC	
chr1	154067577	154067577	Heterozygous A	G	-	Novel	NUP210L	NON_SYNONYMI-G->S	
chr1	154067577	154067577	Heterozygous A	G	-	Novel	NUP210L	NON_SYNONYMI-V->A	
chr1	154112164	154112164	Heterozygous A	-	-	Novel	NUP210L	INTRONIC	
chr1	154112164	154112164	Heterozygous A	-	-	Novel	NUP210L	INTRONIC	
chr1	155583044	155583046	Heterozygous AGG	-	-	Novel	MSTO1	INTRONIC	
chr1	155658184	155658184	Heterozygous C	A	-	Novel	YY1AP1	INTRONIC	
chr1	155658184	155658184	Heterozygous C	A	-	Novel	YY1AP1	INTRONIC	
chr1	155658184	155658184	Heterozygous C	A	-	Novel	DAP3	UPSTREAM	
chr1	155658184	155658184	Heterozygous C	A	-	Novel	DAP3	UPSTREAM	
chr1	155734699	155734699	Heterozygous T	C	-	Novel	GON4L	NON_SYNONYMI-D->G	
chr1	155734699	155734699	Heterozygous T	C	-	Novel	GON4L	INTRONIC	
chr1	155851325	155851325	Heterozygous C	T	-	Novel	SYT11	SP RIME_UTR	
chr1	156256039	156256039	Heterozygous A	T	-	Novel	TMEM79	INTRONIC	
chr1	156256039	156256039	Heterozygous A	T	-	Novel	TMEM79	INTRONIC	
chr1	156518056	156518056	Heterozygous C	T	-	Novel	IQGAP3	INTRONIC	
chr1	156877575	156877575	Heterozygous T	C	-	Novel	PEAR1	INTRONIC	
chr1	156918096	156918096	Heterozygous T	C	-	Novel	ARHGFE11	INTRONIC	
chr1	156918096	156918096	Heterozygous T	C	-	Novel			

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr1	158326447	158326448	Heterozygous	-	T	Novel	CD1E	INTRONIC	
chr1	158326447	158326448	Heterozygous	-	T	Novel	CD1E	INTRONIC	
chr1	158596629	158596629	Heterozygous	C	T	Novel	SPTA1	NON_SYNONYMIYA->T	
chr1	158445872	158445872	Heterozygous	G	A	Novel	SPTA1	INTRONIC	
chr1	159162271	159162271	Heterozygous	C	T	Novel	CADM3	INTRONIC	
chr1	159162271	159162271	Heterozygous	C	T	Novel	CADM3	INTRONIC	
chr1	159897682	159897683	Heterozygous	AA	---	Novel	IGSF9	SPICE_SITE	
chr1	159897682	159897683	Heterozygous	AA	-A	Novel	IGSF9	SPICE_SITE	
chr1	159897682	159897683	Heterozygous	AA	---	Novel	IGSF9	SPICE_SITE	
chr1	159897682	159897683	Heterozygous	AA	-A	Novel	IGSF9	SPICE_SITE	
chr1	160105964	160105964	Heterozygous	G	A	Novel	ATP1A2	INTRONIC	
chr1	160650960	160650960	Heterozygous	C	G	Novel	CD48	INTRONIC	
chr1	160970390	160970390	Heterozygous	C	T	Novel	F11R	INTRONIC	
chr1	161019124	161019124	Heterozygous	C	T	Novel	ARHGAP30	NON_SYNONYMIYV->M	
chr1	161019124	161019124	Heterozygous	C	T	Novel	ARHGAP30	NON_SYNONYMIYV->M	
chr1	161162097	161162097	Heterozygous	G	A	Novel	ADAMT54	INTRONIC	
chr1	161310262	161310262	Heterozygous	A	-	Novel	SDHC	INTRONIC	
chr1	161310262	161310262	Heterozygous	A	-	Novel	SDHC	INTRONIC	
chr1	161310262	161310262	Heterozygous	A	-	Novel	SDHC	INTRONIC	
chr1	161310262	161310262	Heterozygous	A	-	Novel	SDHC	INTRONIC	
chr1	162725579	162725579	Heterozygous	A	T	Novel	DDR2	INTRONIC	
chr1	162725579	162725579	Heterozygous	A	T	Novel	DDR2	INTRONIC	
chr1	163315722	163315722	Heterozygous	C	T	Novel	NUF2	INTRONIC	
chr1	163315722	163315722	Heterozygous	C	T	Novel	NUF2	INTRONIC	
chr1	167385178	167385178	Heterozygous	G	A	Novel	POU2F1	3PRIME_UTR	
chr1	167814812	167814812	Heterozygous	T	C	Novel	ADCY10	NON_SYNONYMIH->R	
chr1	167814812	167814812	Heterozygous	T	C	Novel	ADCY10	NON_SYNONYMIH->R	
chr1	168260377	168260378	Heterozygous	----	GTTTC	Novel	TBX19	INTRONIC	
chr1	169435305	169435306	Heterozygous	-	A	Novel	SLC19A2	INTRONIC	
chr1	169811763	169811763	Heterozygous	G	C	Novel	C1orf112	INTRONIC	
chr1	170501522	170501522	Heterozygous	C	-	Novel	GORAB	INTRONIC	
chr1	170501522	170501522	Heterozygous	C	-	Novel	GORAB	INTRONIC	
chr1	170501522	170501522	Heterozygous	C	-	Novel	GORAB	INTRONIC	
chr1	170927571	170927571	Heterozygous	T	-	Novel	C1orf129	INTRONIC	
chr1	171514875	171514876	Heterozygous	----	ATTC	Novel	BAT2L2	INTRONIC	
chr1	173490409	173490409	Heterozygous	A	-	Novel	SLC9A11	INTRONIC	
chr1	173506199	173506199	Heterozygous	G	A	Novel	SLC9A11	INTRONIC	
chr1	173933946	173933946	Heterozygous	T	C	Novel	RC3H1	INTRONIC	
chr1	175046779	175046779	Heterozygous	G	A	Novel	TNN	SYNONYMOUS_CODING	
chr1	176926877	176926877	Heterozygous	G	A	Novel	ASTN1	SYNONYMOUS_CODING	
chr1	176926877	176926877	Heterozygous	G	A	Novel	ASTN1	SYNONYMOUS_CODING	
chr1	178359424	178359424	Heterozygous	T	A	Novel	RASAL2	INTRONIC	
chr1	178359424	178359424	Heterozygous	T	A	Novel	RASAL2	INTRONIC	
chr1	178490849	178490849	Heterozygous	C	T	Novel	C1orf49	INTRONIC	
chr1	178490849	178490849	Heterozygous	C	T	Novel	C1orf49	INTRONIC	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179100462	179100462	Heterozygous	T	A	Novel	ABL2	SYNONYMOUS_CODING	
chr1	179314049	179314049	Heterozygous	C	T	Novel	SOAT1	INTRONIC	
chr1	179398730	179398730	Heterozygous	T	G	Novel	C1orf125	SYNONYMOUS_CODING	
chr1	179426319	179426319	Heterozygous	G	A	Novel	C1orf125	INTRONIC	
chr1	180002916	180002916	Heterozygous	T	C	Novel	CEP350	INTRONIC	
chr1	182378437	182378437	Heterozygous	T	C	Novel	NCRNA00272	EXONIC	
chr1	182550360	182550360	Heterozygous	C	T	Novel	RNASEL	SYNONYMOUS_CODING,SPL	
chr1	184702196	184702196	Heterozygous	G	A	Novel	EDEM3	INTRONIC	
chr1	184764727	184764727	Heterozygous	A	G	Novel	FAM129A	NON_SYNONYMIYV->A	
chr1	185976201	185976201	Heterozygous	A	C	Novel	HMCN1	INTRONIC	
chr1	186147954	186147954	Heterozygous	A	G	Novel	HMCN1	INTRONIC	
chr1	186310271	186310271	Heterozygous	A	G	Novel	TPR	SYNONYMOUS_CODING	
chr1	196309700	196309700	Heterozygous	C	T	Novel	KCNT2	SYNONYMOUS_CODING,SPL	
chr1	196757555	196757555	Heterozygous	G	T	Novel	CFHR3	INTRONIC	
chr1	196757555	196757555	Heterozygous	G	T	Novel	CFHR3	INTRONIC	
chr1	197104475	197104475	Heterozygous	G	C	Novel	ASPM	INTRONIC	
chr1	200007922	200007923	Heterozygous	-	T	Novel	NRS5A2	INTRONIC	
chr1	200007922	200007923	Heterozygous	-	T	Novel	NRS5A2	INTRONIC	
chr1	200971526	200971527	Heterozygous	-	G	Novel	KIF21B	INTRONIC	
chr1	201860486	201860486	Heterozygous	T	C	Novel		GENIC	
chr1	202194507	202194507	Heterozygous	A	C	Novel	LGR8	INTRONIC	
chr1	202194507	202194507	Heterozygous	A	C	Novel	LGR8	INTRONIC	
chr1	202194507	202194507	Heterozygous	A	C	Novel	LGR6	INTRONIC	
chr1	202794729	202794729	Heterozygous	T	C	Novel		GENIC	
chr1	202893987	202893988	Heterozygous	CA	---	Novel	KLHL12	INTRONIC	

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr1	202990111	202990113	Heterozygous	TTT	---	Novel	TMEM183A	INTRONIC	
chr1	203135001	203135001	Heterozygous	T	C	Novel	ADORA1	SYNONYMOUS_CODING	
chr1	203135001	203135001	Heterozygous	T	C	Novel	ADORA1	SYNONYMOUS_CODING	
chr1	203135001	203135001	Heterozygous	T	C	Novel	MYBPB	DOWNSTREAM	
chr1	203708820	203708820	Heterozygous	G	A	Novel	ATP2B4	SYNONYMOUS_CODING	
chr1	203708820	203708820	Heterozygous	G	A	Novel	ATP2B4	3PRIME_UTR	
chr1	204006551	204006551	Heterozygous	C	T	Novel	C1orf157	INTRONIC	
chr1	204438775	204438775	Heterozygous	G	A	Novel	PIK3C2B	SYNONYMOUS_CODING	
chr1	205131391	205131391	Heterozygous	C	T	Novel	DSTYK	INTRONIC	
chr1	205131391	205131391	Heterozygous	C	T	Novel	DSTYK	INTRONIC	
chr1	205388353	205388353	Heterozygous	G	A	Novel	LEMD1	SPICE_SITE	
chr1	207076321	207076321	Heterozygous	T	G	Novel	IL24	NON_SYNONYMIY->V	
chr1	207076321	207076321	Heterozygous	T	G	Novel	IL24	NON_SYNONYMIY->R	
chr1	207076321	207076321	Heterozygous	T	G	Novel	IL24	NON_SYNONYMIY->V	
chr1	207076321	207076321	Heterozygous	T	G	Novel	IL24	NON_SYNONYMIY->V	
chr1	207076321	207076321	Heterozygous	T	G	Novel	FAIM3	DOWNSTREAM	
chr1	207076321	207076321	Heterozygous	T	G	Novel	FAIM3	DOWNSTREAM	
chr1	207076321	207076321	Heterozygous	T	G	Novel	FAIM3	DOWNSTREAM	
chr1	207134591	207134591	Heterozygous	C	T	Novel	FCAMR	INTRONIC	
chr1	207134591	207134591	Heterozygous	C	T	Novel	FCAMR	INTRONIC	
chr1	207787834	207787834	Heterozygous	C	A	Novel	CR1	NON_SYNONYMIY->K	
chr1	207787834	207787834	Heterozygous	C	A	Novel	CR1	NON_SYNONYMIY->K	
chr1	207851487	207851488	Heterozygous	-	A	Novel	CR1L	INTRONIC	
chr1	208063134	208063134	Heterozygous	C	T	Novel	OD34	INTRONIC	
chr1	208063134	208063134	Heterozygous	C	T	Novel	OD34	INTRONIC	
chr1	208391121	208391121	Heterozygous	G	A	Novel	PLXNA2	SYNONYMOUS_CODING	
chr1	208870872	208870872	Heterozygous	C	T	Novel		GENIC	
chr1	208879008	208879008	Heterozygous	C	T	Novel	HSD11B1	INTRONIC	
chr1	208879008	208879008	Heterozygous	C	T	Novel	HSD11B1	INTRONIC	
chr1	212220719	212220719	Heterozygous	A	G	Novel	DVL	SYNONYMOUS_CODING	
chr1	213086542	213086543	Heterozygous	----	TGAT	Novel	FLTVC1	INTRONIC	
chr1	215823899	215823899	Heterozygous	T	C	Novel	USH2A	INTRONIC	
chr1	215848645	215848645	Heterozygous	T	C	Novel	USH2A	NON_SYNONYMIY->R	
chr1	217856788	217856788	Heterozygous	-	T	Novel	SPATA17	INTRONIC	
chr1	218610663	218610663	Heterozygous	T	-	Novel	TGFB2	INTRONIC	
chr1	218610663	218610663	Heterozygous	T	-	Novel	TGFB2	INTRONIC	
chr1	220284113	220284113	Heterozygous	T	-	Novel	IARG2	INTRONIC	
chr1	220369746	220369746	Heterozygous	A	-	Novel	RAB3GAP2	SPICE_SITE	
chr1	222823739	222823739	Heterozygous	T	-	Novel	MA3	INTRONIC	
chr1	222860921	222860921	Heterozygous	T	C	Novel	AIDA	INTRONIC	
chr1	223408496	223408497	Heterozygous	-	A	Novel	SUSD4	INTRONIC	
chr1	223408496	223408497	Heterozygous	-	A	Novel	SUSD4	INTRONIC	
chr1	223984306	223984307	Heterozygous	-	A	Novel	TP53BP2	INTRONIC	
chr1	223984306	223984307	Heterozygous	-	A	Novel	TP53BP2	INTRONIC	
chr1	225155111	225155111	Heterozygous	A	-	Novel	DNAH14	INTRONIC	
chr1	225155111	225155111	Heterozygous	A	-	Novel	DNAH14	INTRONIC	
chr1	225155111	225155111	Heterozygous	A	-	Novel	DNAH14	INTRONIC	
chr1	225155111	225155111	Heterozygous	A	-	Novel	DNAH14	INTRONIC	
chr1	225586738	225586738	Heterozygous	T	-	Novel	DNAH14	INTRONIC	
chr1	226059795	226059795	Heterozygous	A	----	Novel	TMEM63A	INTRONIC	
chr1	226438485	226438488	Heterozygous	CTCA	----	Novel	LN9	INTRONIC	
chr1	228475733	228475733	Heterozygous	G	A	Novel	OBSCN	INTRONIC	
chr1	228475733	228475733	Heterozygous	G	A	Novel	OBSCN	INTRONIC	
chr1	228478935	228478935	Heterozygous	G	A	Novel	OBSCN	INTRONIC	
chr1	228478935	228478935	Heterozygous	G	A	Novel	OBSCN	INTRONIC	
chr1	228528327	228528327	Heterozygous	G	C	Novel	OBSCN	SPICE_SITE	
chr1	228528327	228528327	Heterozygous	G	C	Novel	OBSCN	SPICE_SITE	
chr1	228556097	228556097	Heterozygous	G	A	Novel	OBSCN	NON_SYNONYMIY->I	
chr1	230907783	230907783	Heterozygous	C	T	Novel	CAPN9	SYNONYMOUS_CODING	
chr1	230907783	230907783	Heterozygous	C	T	Novel	CAPN9	SYNONYMOUS_CODING	
chr1									

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr2	74451947	74451947	Heterozygous	C	T	Novel	SLC4A5	INTRONIC	
chr2	74491243	74491243	Heterozygous	C	A	Novel	SLC4A5	INTRONIC	
chr2	74491243	74491243	Heterozygous	C	A	Novel	SLC4A5	INTRONIC	
chr2	74685880	74685880	Heterozygous	G	T	Novel	INO80B	DOWNSTREAM	
chr2	74685880	74685880	Heterozygous	G	T	Novel	WBP1	INTRONIC	
chr2	74687268	74687268	Heterozygous	A	C	Novel	WBP1	INTRONIC	
chr2	74687268	74687268	Heterozygous	A	C	Novel	MOGS	DOWNSTREAM	
chr2	74687268	74687268	Heterozygous	A	C	Novel	MOGS	DOWNSTREAM	
chr2	74687270	74687270	Heterozygous	G	T	Novel	WBP1	INTRONIC	
chr2	74687270	74687270	Heterozygous	G	T	Novel	MOGS	DOWNSTREAM	
chr2	74687270	74687270	Heterozygous	G	T	Novel	MOGS	DOWNSTREAM	
chr2	75882133	75882133	Heterozygous	C	-	Novel	MRPL19	INTRONIC	
chr2	75899101	75899101	Heterozygous	T	C	Novel	C2orf3	NON_SYNONYIE->G	
chr2	80772075	80772075	Heterozygous	C	T	Novel	GTNNA2	INTRONIC	
chr2	80772075	80772075	Heterozygous	C	T	Novel	GTNNA2	INTRONIC	
chr2	84755958	84755958	Heterozygous	T	A	Novel	DNAH8	INTRONIC	
chr2	84804548	84804548	Heterozygous	A	G	Novel	DNAH8	INTRONIC	
chr2	84945421	84945421	Heterozygous	C	T	Novel	DNAH6	INTRONIC	
chr2	85571093	85571093	Heterozygous	G	A	Novel	DNAH6	SYNONYMOUS_CODING	
chr2	86107952	86107952	Heterozygous	A	-	Novel	RETSAT	INTRONIC	
chr2	86107952	86107952	Heterozygous	A	-	Novel	ST3GAL5	INTRONIC	
chr2	86107952	86107952	Heterozygous	A	-	Novel	ST3GAL5	INTRONIC	
chr2	86343790	86343790	Heterozygous	T	C	Novel	PTCD3	INTRONIC	
chr2	86400745	86400745	Homozygous	T	G	Novel	IMMT	INTRONIC	
chr2	86400745	86400745	Homozygous	T	G	Novel	IMMT	INTRONIC	
chr2	86400745	86400745	Homozygous	T	G	Novel	IMMT	INTRONIC	
chr2	86400745	86400745	Homozygous	T	G	Novel	IMMT	INTRONIC	
chr2	89278103	89278103	Homozygous	T	C	Novel	GENIC		
chr2	89292401	89292401	Homozygous	T	C	Novel	GENIC		
chr2	89292401	89292401	Homozygous	T	C	Novel	GENIC		
chr2	90249415	90249415	Heterozygous	A	G	Novel	GENIC		
chr2	90249468	90249468	Heterozygous	C	T	Novel	GENIC		
chr2	90249478	90249478	Heterozygous	T	G	Novel	GENIC		
chr2	90249497	90249497	Heterozygous	T	G	Novel	GENIC		
chr2	90258868	90258868	Heterozygous	T	A	Novel	GENIC		
chr2	91872713	91872713	Heterozygous	T	C	Novel	GENIC		
chr2	91927392	91927392	Heterozygous	C	T	Novel	GENIC		
chr2	91935941	91935941	Heterozygous	G	T	Novel	GENIC		
chr2	92031302	92031302	Heterozygous	G	A	Novel	GENIC		
chr2	92076693	92076694	Heterozygous	-	T	Novel	GENIC		
chr2	92102154	92102154	Heterozygous	G	A	Novel	GENIC		
chr2	95513964	95513964	Heterozygous	T	C	Novel	ANKRD20B	INTRONIC	
chr2	96574365	96574365	Heterozygous	T	C	Novel	GENIC		
chr2	96581651	96581652	Heterozygous	CC	-A	Novel	GENIC		
chr2	96589458	96589458	Heterozygous	A	G	Novel	GENIC		
chr2	96595093	96595093	Heterozygous	T	C	Novel	GENIC		
chr2	96807003	96807003	Heterozygous	G	A	Novel	GENIC		
chr2	96807028	96807028	Heterozygous	T	C	Novel	GENIC		
chr2	96810811	96810811	Heterozygous	G	A	Novel	GENIC		
chr2	96819799	96819799	Heterozygous	A	C	Novel	GENIC		
chr2	96920526	96920526	Heterozygous	C	G	Novel	TMEM127	INTRONIC	
chr2	96920526	96920526	Heterozygous	C	G	Novel	TMEM127	INTRONIC	
chr2	96943857	96943857	Heterozygous	C	T	Novel	SNRNP200	INTRONIC	
chr2	97855071	97855071	Heterozygous	G	T	Novel	GENIC		
chr2	97860529	97860529	Heterozygous	G	A	Novel	GENIC		
chr2	97862800	97862800	Heterozygous	G	-	Novel	GENIC		
chr2	97869890	97869891	Heterozygous	-	T	Novel	GENIC		
chr2	97871680	97871680	Heterozygous	C	T	Novel	GENIC		
chr2	97877469	97877470	Heterozygous	TC	-	Novel	GENIC		
chr2	98165920	98165920	Heterozygous	A	G	Novel	ANKRD36B	NON_SYNONYII->T	
chr2	99634597	99634597	Heterozygous	C	T	Novel	TSGA10	INTRONIC	
chr2	99634597	99634597	Heterozygous	C	T	Novel	TSGA10	INTRONIC	
chr2	101594247	101594247	Heterozygous	G	A	Novel	NPAS2	NON_SYNONYIIA->T	
chr2	101653972	101653972	Heterozygous	T	C	Novel	TBC1D8	INTRONIC	
chr2	102019083	102019083	Heterozygous	C	T	Novel	RF8	NON_SYNONYII G->S	
chr2	108994484	108994484	Heterozygous	A	-	Novel	SULT1C4	INTRONIC	
chr2	109123988	109123989	Heterozygous	-	T	Novel	GCC2	INTRONIC	
chr2	109123988	109123989	Heterozygous	-	T	Novel	GCC2	INTRONIC	
chr2	110049111	110049111	Heterozygous	G	C	Novel	GENIC		
chr2	113481267	113481267	Heterozygous	C	T	Novel	GENIC		
chr2	113950108	113950108	Heterozygous	C	T	Novel	PSD4	NON_SYNONYII R->C	
chr2	114493510	114493510	Heterozygous	T	-	Novel	SLC35F5	INTRONIC	
chr2	114747596	114747596	Heterozygous	G	A	Novel	LOC440900	INTRONIC	
chr2	120075163	120075163	Heterozygous	C	T	Novel	C2orf76	INTRONIC	
chr2	120383293	120383294	Heterozygous	GC	AA	Novel	PCDP1	INTRONIC	
chr2	120404630	120404630	Heterozygous	T	-	Novel	PCDP1	SPICE_SITE	
chr2	121728411	121728411	Heterozygous	G	A	Novel	GLI2	SYNONYMOUS_CODING	
chr2	121952899	121952899	Heterozygous	A	T	Novel	TFCP2L1	INTRONIC	
chr2	128324358	128324358	Heterozygous	C	T	Novel	MYO7B	SYNONYMOUS_CODING	
chr2	128370111	128370111	Heterozygous	C	T	Novel	MYO7B	NON_SYNONYII R->W	

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr2	128392285	128392285	Heterozygous	G	A	Novel	MYO7B	INTRONIC	
chr2	128526579	128526580	Heterozygous	----	TAAA	Novel	WDR33	SPICE_SITE	
chr2	128526579	128526580	Heterozygous	----	TAAA	Novel	WDR33	SPICE_SITE	
chr2	128526579	128526580	Heterozygous	----	TAAA	Novel	WDR33	SPICE_SITE	
chr2	130900732	130900732	Heterozygous	A	G	Novel	CDCD74B	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	130931283	130931283	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	131414338	131414338	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	131414338	131414338	Heterozygous	G	A	Novel	SMPD4	INTRONIC	
chr2	132241548	132241548	Heterozygous	G	A	Novel	TUBA3D	DOWNSTREAM	
chr2	132241548	132241548	Heterozygous	G	A	Novel	MZT2A	3PRIME_UTR	
chr2	132367062	132367063	Heterozygous	-	T	Novel	POTEKP	INTRONIC	
chr2	132558542	132558542	Heterozygous	C	T	Novel	C2orf27B	5PRIME_UTR	
chr2	133066987	133066988	Heterozygous	----	GGT	Novel	GENIC		
chr2	133175168	133175168	Heterozygous	A	T	Novel	GPR39	NON_SYNONYII S->R	
chr2	135215543	135215543	Heterozygous	C	T	Novel	TMEM163	INTRONIC	
chr2	136148395	136148396	Heterozygous	AA	-	Novel	ZRANB3	SPICE_SITE	
chr2	136567154	136567154	Heterozygous	C	T	Novel	LCT	SYNONYMOUS_CODING	
chr2	149240658	149240658	Heterozygous	T	-	Novel	GENIC		
chr2	149528685	149528685	Heterozygous	T	G	Novel	EPC2	NON_SYNONYII S->R	
chr2	152112190	152112190	Heterozygous	A	G	Novel	RBM43	NON_SYNONYII V->A	
chr2	152318714	152318715	Homozygous	AT	----	Novel	RIF1	INTRONIC	
chr2	152318714	152318715	Homozygous	AT	----	Novel	RIF1	INTRONIC	
chr2	152318714	152318715	Homozygous	AT	----	Novel	RIF1	INTRONIC	
chr2	152318714	152318715	Homozygous	AT	----	Novel	RIF1	INTRONIC	
chr2	152318985	152318985	Heterozygous	G	A	Novel	RIF1	SPICE_SITE	
chr2	152318985	152318985	Heterozygous	G	A	Novel	RIF1	SPICE_SITE	
chr2	152318985	152318985	Heterozygous	G	A	Novel	RIF1	SPICE_SITE	
chr2	152318985	152318985	Heterozygous	G	A	Novel	RIF1	SPICE_SITE	
chr2	152388416	152388416	Homozygous	T	-	Novel	NEB	SPICE_SITE	
chr2	152388416	152388416	Homozygous	T	-	Novel	NEB	SPICE_SITE	
chr2	152388416	152388416	Homozygous	T	-	Novel	NEB	SPICE_SITE	
chr2	152498988	152498988	Heterozygous	A	G	Novel	NEB	INTRONIC	
chr2	152498988	152498988	Heterozygous	A	G	Novel	NEB	INTRONIC	
chr2	152498988	152498988	Heterozygous	A	G	Novel	NEB	INTRONIC	
chr2	152532022	152532022	Heterozygous	C	A	Novel	NEB	INTRONIC	
chr2	152532022	152532022	Heterozygous	C	A	Novel	NEB	INTRONIC	
chr2	152532022	152532022	Heterozygous	C	A	Novel	NEB	INTRONIC	
chr2	152717360	152717360	Heterozygous	C	A	Novel	CACNB4	INTRONIC	
chr2	152717360	152717360	Heterozygous	C	A	Novel	CACNB4	INTRONIC	
chr2	152717360	152717360	Heterozygous	C	A	Novel	CACNB4	INTRONIC	
chr2	152717360	152717360	Heterozygous	C	A	Novel	CACNB4	INTRONIC	
chr2	158594852	158594852	Heterozygous	C	T	Novel	ACVR1	INTRONIC	
chr2	158594852	158594852	Heterozygous	C	T	Novel	ACVR1	INTRONIC	
chr2	159520015	159520016	Heterozygous	----	TT	Novel	PKP4	INTRONIC	
chr2	159520015	159520016	Heterozygous	----	TT	Novel	PKP4	INTRONIC	
chr2	160731896	160731896	Heterozygous	T	C	Novel	LY75	INTRONIC	
chr2	160812399	160812399	Heterozygous	G	A	Novel	PLA2R1	INTRONIC	
chr2	160812399	160812399	Heterozygous	G	A	Novel	PLA2R1	INTRONIC	
chr2	160812399	160812399	Heterozygous	G	A	Novel	PLA2R1	INTRONIC	
chr2	160885358	160885358	Heterozygous	T	C	Novel	PLA2R1	SPICE_SITE	
chr2	160885358	160885358	Heterozygous	T	C	Novel	PLA2R1	SPICE_SITE	
chr2	160985358	160985358	Heterozygous	T	C	Novel	PLA2R1	SPICE_SITE	
chr2	166003318	166003318	Heterozygous	T	G	Novel	SCN3A	NON_SYNONYII R->S	
chr2	166003318	166003318	Heterozygous	T	G	Novel	SCN3A	NON_SYNONYII R->S	
chr2	166003318	166003318	Heterozygous	T	G	Novel	SCN3A	NON_SYNONYII R->S	
chr2	166166028	166166028	Heterozygous	T	C	Novel	SCN2A	INTRONIC	
chr2	166166028	166166028	Heterozygous	T	G	Novel	SCN2A	INTRONIC	
chr2	166166028								

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change	Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr2	242694897	242694897	Heterozygous	G	T	Novel	D2HGDH	INTRONIC		chr3	47455294	47455295	Heterozygous	-----	GC CCC	Novel	SCAP	3PRIME_UTR	
chr2	242756006	242756006	Heterozygous	G	C	Novel	NEU4	INTRONIC		chr3	47755844	47755844	Heterozygous	C	T	Novel	SMARCC1	INTRONIC	
chr2	242756006	242756006	Heterozygous	G	C	Novel	NEU4	INTRONIC		chr3	48218921	48218921	Heterozygous	C	T	Novel	CDC25A	SYNONYMOUS_CODING	
chr2	242756006	242756006	Heterozygous	G	C	Novel	NEU4	INTRONIC		chr3	48218921	48218921	Heterozygous	C	T	Novel	CDC25A	SYNONYMOUS_CODING	
chr2	243036991	243036992	Heterozygous	TT	-----	Novel	LOC728323	INTRONIC		chr3	48665550	48665550	Heterozygous	C	A	Novel	SLC26A6	INTRONIC	
chr3	432911	432911	Heterozygous	C	A	Novel	CHL1	INTRONIC		chr3	48665550	48665550	Heterozygous	C	A	Novel	SLC26A6	INTRONIC	
chr3	3085233	3085233	Heterozygous	G	A	Novel	CNTN4	INTRONIC		chr3	48665550	48665550	Heterozygous	C	A	Novel	SLC26A6	INTRONIC	
chr3	3085233	3085233	Heterozygous	G	A	Novel	CNTN4	INTRONIC		chr3	48665550	48665550	Heterozygous	C	A	Novel	SLC26A6	INTRONIC	
chr3	3085233	3085233	Heterozygous	G	A	Novel	CNTN4	INTRONIC		chr3	48665550	48665550	Heterozygous	C	A	Novel	SLC26A6	INTRONIC	
chr3	4753377	4753377	Homozygous	T	C	Novel	ITPR1	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	4753377	4753377	Homozygous	T	C	Novel	ITPR1	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	4753377	4753377	Homozygous	T	C	Novel	ITPR1	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	10088223	10088223	Heterozygous	T	G	Novel	FAMC02	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	10088223	10088223	Heterozygous	T	G	Novel	FAMC02	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	10088223	10088223	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	48669911	48669911	Heterozygous	G	A	Novel	SLC26A6	INTRONIC	
chr3	10088223	10088223	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	48802398	48802398	Heterozygous	T	A	Novel	PRKAR2A	INTRONIC	
chr3	10088223	10088223	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	49298359	49298359	Heterozygous	C	-	Novel	GENIC		
chr3	10088223	10088223	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	49354976	49354976	Heterozygous	T	-	Novel	USP4	INTRONIC	
chr3	10088223	10088223	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	49354976	49354976	Heterozygous	T	-	Novel	USP4	INTRONIC	
chr3	10088242	10088242	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	SYNONYMOUS_CODING	
chr3	10088242	10088242	Heterozygous	G	A	Novel	FAMC02	INTRONIC		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	EXONIC	
chr3	10088404	10088404	Heterozygous	C	T	Novel	FAMC02	SYNONYMOUS_CODING		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	SYNONYMOUS_CODING	
chr3	10088404	10088404	Heterozygous	C	T	Novel	FAMC02	SYNONYMOUS_CODING		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	SYNONYMOUS_CODING	
chr3	10452493	10452493	Homozygous	G	A	Novel	ATP2B2	NON_SYNONYMI->L		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	SYNONYMOUS_CODING	
chr3	10452493	10452493	Homozygous	G	A	Novel	ATP2B2	NON_SYNONYMI->L		chr3	49456417	49456417	Heterozygous	G	A	Novel	AMT	SYNONYMOUS_CODING	
chr3	10959967	10959967	Homozygous	C	T	Novel	SLC6A11	INTRONIC		chr3	49946836	49946836	Heterozygous	G	A	Novel	MON1A	SPICE_SITE	
chr3	11059035	11059035	Homozygous	G	A	Novel	SLC6A1	SYNONYMOUS_CODING		chr3	49946836	49946836	Heterozygous	G	A	Novel	MON1A	SPICE_SITE	
chr3	11374645	11374645	Homozygous	G	A	Novel	ATG7	INTRONIC		chr3	50324405	50324405	Heterozygous	G	C	Novel	C3orf45	INTRONIC	
chr3	11374645	11374645	Homozygous	G	A	Novel	ATG7	INTRONIC		chr3	50324405	50324405	Heterozygous	G	C	Novel	IFRD2	DOWNSTREAM	
chr3	11374645	11374645	Homozygous	G	A	Novel	ATG7	INTRONIC		chr3	51266881	51266881	Heterozygous	G	-	Novel	DOCK3	INTRONIC	
chr3	11374645	11374645	Homozygous	G	A	Novel	ATG7	INTRONIC		chr3	51429376	51429376	Heterozygous	G	T	Novel	RBM15B	SYNONYMOUS_CODING	
chr3	11551856	11551857	Heterozygous	-	A	Novel	ATG7	INTRONIC		chr3	51457619	51457619	Heterozygous	G	A	Novel	VPRBP	SYNONYMOUS_CODING	
chr3	11551856	11551857	Heterozygous	-	A	Novel	ATG7	INTRONIC		chr3	51457619	51457619	Heterozygous	G	A	Novel	VPRBP	SYNONYMOUS_CODING	
chr3	11551856	11551857	Heterozygous	-	A	Novel	ATG7	INTRONIC		chr3	51458357	51458357	Heterozygous	C	T	Novel	VPRBP	SYNONYMOUS_CODING	
chr3	11551856	11551857	Heterozygous	-	A	Novel	ATG7	INTRONIC		chr3	51458357	51458357	Heterozygous	C	T	Novel	VPRBP	SYNONYMOUS_CODING	
chr3	14180860	14180860	Homozygous	C	T	Novel	TMEM43	INTRONIC		chr3	51679284	51679284	Heterozygous	C	G	Novel	RAD54L2	INTRONIC	
chr3	14183203	14183203	Homozygous	T	C	Novel	TMEM43	NON_SYNONYMI->H		chr3	51929381	51929381	Heterozygous	A	-	Novel	IQCF1	INTRONIC	
chr3	14548946	14548946	Homozygous	G	A	Novel		GENIC		chr3	52398873	52398873	Heterozygous	C	T	Novel	DNAH1	NON_SYNONYMI->C	
chr3	16254129	16254129	Homozygous	C	A	Novel	GALNTL2	NON_SYNONYMI->Q		chr3	52556632	52556632	Heterozygous	G	A	Novel	STAB1	SYNONYMOUS_CODING	
chr3	19559443	19559445	Heterozygous	AA G	-----	Novel	KGNH8	INTRONIC		chr3	52556632	52556632	Heterozygous	G	A	Novel	NTSDG2	DOWNSTREAM	
chr3	20156336	20156336	Heterozygous	T	-	Novel	KAT2B	INTRONIC		chr3	52556632	52556632	Heterozygous	G	A	Novel	NTSDG2	DOWNSTREAM	
chr3	23852857	23852857	Heterozygous	G	T	Novel	UBE2E1	INTRONIC		chr3	52556632	52556632	Heterozygous	G	A	Novel	NTSDG2	DOWNSTREAM	
chr3	23852857	23852857	Heterozygous	G	T	Novel	UBE2E1	INTRONIC		chr3	53223270	53223270	Heterozygous	C	T	Novel	PRKGD	SPICE_SITE	
chr3	27333013	27333013	Heterozygous	C	T	Novel	NEK10	NON_SYNONYMI->T		chr3	53223270	53223270	Heterozygous	C	T	Novel	PRKGD	SPICE_SITE	
chr3	31659458	31659458	Heterozygous	T	G	Novel	STT3B	EXONIC		chr3	53685001	53685001	Heterozygous	-	G	Novel	CACNA1D	INTRONIC	
chr3	31725673	31725673	Heterozygous	A	-	Novel	OSBPL10	INTRONIC		chr3	53685001	53685001	Heterozygous	-	G	Novel	CACNA1D	INTRONIC	
chr3	31725673	31725673	Heterozygous	A	-	Novel	OSBPL10	INTRONIC		chr3	53685001	53685001	Heterozygous	-	G	Novel	CACNA1D	INTRONIC	
chr3	31725673	31725673	Heterozygous	A	-	Novel	ZNF860	FRAMESHIFT_CODING		chr3	53752295	53752295	Heterozygous	G	A	Novel	CACNA1D	INTRONIC	
chr3	32030580	32030580	Heterozygous	A	-	Novel		GENIC		chr3	53752295	53752295	Heterozygous	G	A	Novel	CACNA1D	INTRONIC	
chr3	32233186	32233186	Heterozygous	A	-	Novel		GENIC		chr3	53752295	53752295	Heterozygous	G	A	Novel	CACNA1D	INTRONIC	
chr3	32895848	32895848	Heterozygous	C	T	Novel	COR4	NON_SYNONYMI->C		chr3	55733285	55733285	Heterozygous	G	A	Novel	ERC2	INTRONIC	
chr3	38050159	38050159	Heterozygous	G	A	Novel	VILL	DOWNSTREAM		chr3	56173467	56173467	Heterozygous	A	G	Novel	ERC2	INTRONIC	
chr3	38050159	38050159	Heterozygous	G	A	Novel	PLCD1	INTRONIC		chr3	58298210	58298210	Heterozygous	T	-	Novel	RPP14	INTRONIC	
chr3	38050159	38050159	Heterozygous	G	A	Novel	PLCD1	INTRONIC		chr3	58298210	58298210	Heterozygous	T	-	Novel	RPP14	INTRONIC	
chr3	38050159	38050159	Heterozygous	G	A	Novel	PLCD1	INTRONIC		chr3	58410747	58410747	Heterozygous	C	G	Novel	PXK	3PRIME_UTR	
chr3	38139241	38139241	Heterozygous	G	T	Novel	DLEC1	NON_SYNONYMI->S		chr3	63600785	63600785	Heterozygous	A	T	Novel	SYNPR	INTRONIC	
chr3	38139241	38139241	Heterozygous	G	T	Novel	DLEC1	NON_SYNONYMI->S		chr3	63600785	63600785	Heterozygous	A	T	Novel	SYNPR	INTRONIC	
chr3	38354854	38354857	Heterozygous	CT GA	-----	Novel	SLC22A14	INTRONIC		chr3	64538461	64538461	Heterozygous	G	A	Novel	ADAMTS9	INTRONIC	
chr3	38945566	38945566	Heterozygous	G	T	Novel	SON11A	SYNONYMOUS_CODING		chr3	67548727	67548729	Heterozygous	AAG	-----	Novel	SUCLG2	SPICE_SITE	
chr3	38948848	38948848	Homozygous	T	C	Novel	SON11A	INTRONIC		chr3	67548727	67548729	Heterozygous	AAG	AA-	Novel	SUCLG2	SPICE_SITE	
chr3	40352356	40352357	Heterozygous	TT	-T	Novel	E1F1B	INTRONIC		chr3	69088918	69088919	Heterozygous	-	C	Novel	TMF1	INTRONIC	
chr3	40352356	40352357	Heterozygous	TT	-T	Novel	E1F1B	INTRONIC		chr3	71008341	71008342	Heterozygous	-	C	Novel	FOXP1	3PRIME_UTR	
chr3	40573556	40573556	Heterozygous	A	G	Novel	ZNF821	NON_SYNONYMI->V		chr3	71102906	71102906	Heterozygous	T	C	Novel	FOXP1	NON_SYNONYMI->V	
chr3	40573556	40573556	Heterozygous	A	G	Novel	ZNF821	NON_SYNONYMI->V		chr3	75397884	75397884	Heterozygous	C	T	Novel		GENIC	
chr3	41953112	41953112	Heterozygous	C	G	Novel	ULK4	NON_SYNONYMI->N		chr3	7547								

Chromosome	Start	End	Zygosity	Reference	SNP Cell	dSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr3	101575878	101575878	Heterozygous	T	-	Novel	NFKBIZ	INTRONIC	
chr3	101575878	101575878	Heterozygous	T	-	Novel	NFKBIZ	INTRONIC	
chr3	107769592	107769592	Heterozygous	G	A	Novel	CD47	INTRONIC	
chr3	107769592	107769592	Heterozygous	G	A	Novel	CD47	INTRONIC	
chr3	108224685	108224685	Heterozygous	C	A	Novel	MYH15	INTRONIC	
chr3	108229437	108229438	Heterozygous	-	A	Novel	MYH15	SP_LICE_SITE	
chr3	111983009	111983009	Homozygous	A	G	Novel	SLC9A10	INTRONIC	
chr3	112253193	112253194	Heterozygous	C-	A	Novel	ATG3	INTRONIC	
chr3	112253193	112253194	Heterozygous	C-	CA	Novel	ATG3	INTRONIC	
chr3	112719791	112719791	Heterozygous	C	A	Novel	GTPBP8	3PRIME_UTR	
chr3	112719791	112719791	Heterozygous	C	A	Novel	GTPBP8	3PRIME_UTR	
chr3	112719791	112719791	Heterozygous	C	A	Novel	C3orf17	DOWNSTREAM	
chr3	112719791	112719791	Heterozygous	C	A	Novel	C3orf17	DOWNSTREAM	
chr3	112719791	112719791	Heterozygous	C	A	Novel	C3orf17	DOWNSTREAM	
chr3	113126005	113126008	Heterozygous	ATTT	-----	Novel	WDR52	INTRONIC	
chr3	113145206	113145206	Heterozygous	A	G	Novel	WDR52	INTRONIC	
chr3	113164080	113164080	Heterozygous	A	G	Novel	SPICE1	3PRIME_UTR	
chr3	113166847	113166847	Heterozygous	A	T	Novel	SPICE1	INTRONIC	
chr3	113285185	113285189	Heterozygous	TTGTG	GTTTGT	Novel	SIDT1	INTRONIC	
chr3	113285185	113285189	Heterozygous	TTGTG	T-TG	Novel	SIDT1	INTRONIC	
chr3	113285185	113285189	Heterozygous	TTGTG	T-----	Novel	SIDT1	INTRONIC	
chr3	113338887	113338887	Heterozygous	G	T	Novel	SIDT1	INTRONIC	
chr3	113499806	113499806	Heterozygous	A	G	Novel	ATP6V1A	INTRONIC	
chr3	113507749	113507749	Heterozygous	C	G	Novel	ATP6V1A	INTRONIC	
chr3	113508563	113508563	Heterozygous	T	C	Novel	ATP6V1A	INTRONIC	
chr3	113517029	113517029	Heterozygous	T	-	Novel	ATP6V1A	INTRONIC	
chr3	113737698	113737698	Heterozygous	G	A	Novel	KIAA1407	SYNONYMOUS_CODING	
chr3	118824042	118824043	Heterozygous	-----	TTT	Novel	IGSF11	5PRIME_UTR	
chr3	119121264	119121265	Heterozygous	-----	AGG	Novel	ARHGAP31	INTRONIC	
chr3	119134577	119134577	Heterozygous	C	T	Novel	ARHGAP31	SYNONYMOUS_CODING	
chr3	121366101	121366101	Heterozygous	T	C	Novel	HLSL1	INTRONIC	
chr3	121398049	121398050	Heterozygous	-	A	Novel	GOLGB1	INTRONIC	
chr3	121500480	121500481	Heterozygous	AC	---	Novel	IQCB1	INTRONIC	
chr3	121500480	121500480	Heterozygous	AC	---	Novel	IQCB1	INTRONIC	
chr3	121514459	121514459	Heterozygous	A	-	Novel	IQCB1	INTRONIC	
chr3	121514459	121514459	Heterozygous	A	-	Novel	IQCB1	INTRONIC	
chr3	121713035	121713035	Heterozygous	G	A	Novel	ILDR1	INTRONIC	
chr3	122471407	122471408	Heterozygous	-A	AA	Novel	HSPBAP1	INTRONIC	
chr3	122869205	122869205	Heterozygous	G	A	Novel	PDIAS	NON_SYNONYMI->T	
chr3	122869205	122869205	Heterozygous	G	A	Novel	PDIAS	EXONIC	
chr3	124117414	124117414	Heterozygous	A	C	Novel	KALRN	INTRONIC	
chr3	124117414	124117414	Heterozygous	A	C	Novel	KALRN	INTRONIC	
chr3	124129041	124129041	Heterozygous	C	G	Novel	KALRN	INTRONIC	
chr3	124129041	124129041	Heterozygous	C	G	Novel	KALRN	INTRONIC	
chr3	124160880	124160880	Heterozygous	A	-	Novel	KALRN	INTRONIC	
chr3	124160880	124160880	Heterozygous	A	-	Novel	KALRN	INTRONIC	
chr3	124731991	124731991	Heterozygous	G	A	Novel	HEG1	NON_SYNONYMI->I	
chr3	124739788	124739788	Heterozygous	G	A	Novel	HEG1	NON_SYNONYMI->M	
chr3	124951172	124951172	Heterozygous	T	-	Novel	ZNF148	3PRIME_UTR	
chr3	125172825	125172825	Heterozygous	T	G	Novel	SNX4	INTRONIC	
chr3	125856688	125856688	Heterozygous	C	G	Novel	ALDH1L1	NON_SYNONYMI->H	
chr3	127399700	127399700	Heterozygous	A	G	Novel	ABT1	3PRIME_UTR	
chr3	127399700	127399700	Heterozygous	A	G	Novel	ABT1	EXONIC	
chr3	127399700	127399700	Heterozygous	A	G	Novel	ABT1	EXONIC	
chr3	127649129	127649131	Heterozygous	AA	---	Novel	KBTBD12	SP_LICE_SITE	
chr3	128859184	128859184	Heterozygous	T	A	Novel	ISY1	INTRONIC	
chr3	128939000	128939000	Heterozygous	C	T	Novel	OPG	INTRONIC	
chr3	128939000	128939000	Heterozygous	C	T	Novel	C3orf37	UPSTREAM	
chr3	128939000	128939000	Heterozygous	C	T	Novel	C3orf37	UPSTREAM	
chr3	129112016	129112016	Heterozygous	G	C	Novel	RPL32P3	INTRONIC	
chr3	129112514	129112514	Heterozygous	C	T	Novel	C3orf25	INTRONIC	
chr3	129177447	129177447	Heterozygous	C	A	Novel	IFT122	NON_SYNONYMI->S	
chr3	129177447	129177447	Heterozygous	C	A	Novel	IFT122	INTRONIC	
chr3	129177447	129177447	Heterozygous	C	A	Novel	IFT122	NON_SYNONYMI->S	
chr3	129177447	129177447	Heterozygous	C	A	Novel	IFT122	NON_SYNONYMI->S	
chr3	129179894	129179894	Heterozygous	C	T	Novel	IFT122	INTRONIC	
chr3	129179894	129179894	Heterozygous	C	T	Novel	IFT122	INTRONIC	
chr3	129179894	129179894	Heterozygous	C	T	Novel	IFT122	INTRONIC	
chr3	129236523	129236523	Heterozygous	G	C	Novel	IFT122	SP_LICE_SITE	
chr3	129236523	129236523	Heterozygous	G	C	Novel	IFT122	INTRONIC	
chr3	129236523	129236523	Heterozygous	G	C	Novel	IFT122	INTRONIC	
chr3	129236523	129236523	Heterozygous	G	C	Novel	IFT122	INTRONIC	
chr3	129238472	129238472	Heterozygous	G	A	Novel	IFT122	NON_SYNONYMI->H	
chr3	129238472	129238472	Heterozygous	G	A	Novel	IFT122	NON_SYNONYMI->H	
chr3	129238472	129238472	Heterozygous	G	A	Novel	IFT122	NON_SYNONYMI->H	
chr3	129238472	129238472	Heterozygous	G	A	Novel	IFT122	NON_SYNONYMI->H	

Chromosome	Start	End	Zygosity	Reference	SNP Cell	dSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr3	130174543	130174544	Heterozygous	TAAA	---	Novel	COL6A5	INTRONIC	
chr3	130174543	130174544	Heterozygous	TAAA	---	Novel	COL6A5	INTRONIC	
chr3	130361926	130361926	Heterozygous	A	C	Novel	COL6A8	INTRONIC	
chr3	130447531	130447531	Heterozygous	A	-	Novel	PIK3R4	SP_LICE_SITE	
chr3	130734887	130734888	Heterozygous	-	T	Novel	ATP2C1	INTRONIC	
chr3	130734887	130734888	Heterozygous	-	T	Novel	ATP2C1	INTRONIC	
chr3	130734887	130734888	Heterozygous	-	T	Novel	ATP2C1	INTRONIC	
chr3	130734887	130734888	Heterozygous	-	T	Novel	ASTE1	INTRONIC	
chr3	130892284	130892284	Heterozygous	C	T	Novel	NEK11	INTRONIC	
chr3	130892284	130892284	Heterozygous	C	T	Novel	NEK11	INTRONIC	
chr3	132179073	132179073	Heterozygous	AT	---	Novel	DNACJ3	INTRONIC	
chr3	132438748	132438749	Heterozygous	AT	---	Novel	NPHP3	INTRONIC	
chr3	133087475	133087476	Heterozygous	---	CA	Novel	TMEM108	INTRONIC	
chr3	133087475	133087476	Heterozygous	---	CA	Novel	TMEM108	INTRONIC	
chr3	133356953	133356953	Heterozygous	C	T	Novel	TOPBP1	NON_SYNONYMI->T	
chr3	133358987	133358987	Heterozygous	T	G	Novel	TOPBP1	NON_SYNONYMI->F	
chr3	133854035	133854035	Heterozygous	G	A	Novel	SLOC2A1	SYNONYMOUS_CODING	
chr3	135742057	135742058	Heterozygous	-----	TGTTT	Novel	PPP2R3A	INTRONIC	
chr3	135742057	135742058	Heterozygous	-----	TGTTT	Novel	PPP2R3A	INTRONIC	
chr3	135742057	135742058	Heterozygous	-----	TGTTT	Novel	PPP2R3A	INTRONIC	
chr3	136117509	136117509	Heterozygous	C	T	Novel	STAG1	INTRONIC	
chr3	137881014	137881014	Heterozygous	G	A	Novel	DBR1	NON_SYNONYMI->L	
chr3	138400783	138400783	Heterozygous	A	-	Novel	PIK3CB	INTRONIC	
chr3	139257546	139257546	Heterozygous	C	-	Novel	RBP1	INTRONIC	
chr3	139257546	139257546	Heterozygous	C	-	Novel	RBP1	INTRONIC	
chr3	139257546	139257546	Heterozygous	C	-	Novel	RBP1	INTRONIC	
chr3	139894944	139894944	Heterozygous	C	T	Novel	GLSTN2	INTRONIC	
chr3	141595595	141595595	Heterozygous	C	T	Novel	ATP1B3	5PRIME_UTR	
chr3	142275179	142275179	Heterozygous	T	G	Novel	ATR	INTRONIC	
chr3	142277369	142277369	Heterozygous	T	-	Novel	ATR	INTRONIC	
chr3	146167089	146167089	Heterozygous	T	A	Novel	PLSCR2	NON_SYNONYMI->S	
chr3	147108757	147108757	Heterozygous	G	A	Novel	ZIC4	NON_SYNONYMI->L	
chr3	147108757	147108757	Heterozygous	G	A	Novel	ZIC4	EXONIC	
chr3	147108757	147108757	Heterozygous	G	A	Novel	ZIC4	EXONIC	
chr3	147108757	147108757	Heterozygous	G	A	Novel	ZIC4	NON_SYNONYMI->L	
chr3	147108757	147108757	Heterozygous	G	A	Novel	ZIC4	NON_SYNONYMI->L	
chr3	147120856	147120856	Heterozygous	G	C	Novel	ZIC4	INTRONIC	
chr3	147120856	147120856	Heterozygous	G	C	Novel	ZIC4	INTRONIC	
chr3	147120856	147120856	Heterozygous	G	C	Novel	ZIC4	INTRONIC	
chr3	148888293	148888293	Heterozygous	A	-	Novel	HPS3	INTRONIC	
chr3	148888293	148888293	Heterozygous	A	-	Novel	HPS3	NON_SYNONYMI->L	
chr3	149058882	149058882	Heterozygous	C	T	Novel	HPS3	NON_SYNONYMI->L	
chr3	150845752	150845752	Heterozygous	T	C	Novel	CLRN1	NON_SYNONYMI->A	
chr3	150845752	150845752	Heterozygous	T	C	Novel	CLRN1	INTRONIC	
chr3	150908881	150908881	Heterozygous	A	C	Novel	MED12L	NON_SYNONYMI->G	
chr3	154001102	154001102	Heterozygous	A	C	Novel	DXH38	INTRONIC	
chr3	154001102	154001102	Heterozygous	A	C	Novel	DXH38	INTRONIC	
chr3	154145230	154145231	Heterozygous	-	T	Novel	GPR149	INTRONIC	
chr3	155198866	155198866	Heterozygous	G	A	Novel	PLCH1	NON_SYNONYMI->M	
chr3	155198866	155198866	Heterozygous	G	A	Novel	PLCH1	3PRIME_UTR	
chr3	155198866	155198866	Heterozygous	G	A	Novel	PLCH1	NON_SYNONYMI->M	
chr3	155551510	155551510	Heterozygous	A	T	Novel	SLC33A1	INTRONIC	
chr3	155551510	155551510	Heterozygous	A	T	Novel	SLC33A1	INTRONIC	
chr3	155623831	155623832	Heterozygous	-	T	Novel	GMP5	INTRONIC	
chr3	156254379	156254379	Heterozygous	T	C	Novel	KCNAB1	INTRONIC	
chr3	156254379	156254379	Heterozygous	T	C	Novel	KCNAB1	INTRONIC	
chr3	156254379	156254379	Heterozygous	T	C	Novel	KCNAB1	INTRONIC	
chr3	157082077	157082077	Heterozygous	C	A	Novel	VEPH1	INTRONIC	
chr3	157082077	157082077	Heterozygous	C	A	Novel	VEPH1	INTRONIC	
chr3	157082077	157082077	Heterozygous	C	A	Novel	VEPH1	INTRONIC	
chr3	158389845	158389845	Heterozygous	G	A	Novel	GFM1	INTRONIC	
chr3	158409173	158409173	Heterozygous						

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr3	170857183	170857183	Heterozygous A	G	Novel	TN1K	INTRONIC		
chr3	170857183	170857183	Heterozygous C	G	Novel	TN1K	INTRONIC		
chr3	170857183	170857183	Heterozygous A	G	Novel	TN1K	INTRONIC		
chr3	170857183	170857183	Heterozygous A	G	Novel	TN1K	INTRONIC		
chr3	170857183	170857183	Heterozygous A	G	Novel	TN1K	INTRONIC		
chr3	170857183	170857183	Heterozygous A	G	Novel	TN1K	INTRONIC		
chr3	172046895	172046895	Heterozygous -	T	Novel	FND3C3B	INTRONIC		
chr3	172046895	172046895	Heterozygous -	T	Novel	FND3C3B	INTRONIC		
chr3	172181305	172181305	Heterozygous T	-	Novel	SPATA16	INTRONIC		
chr3	175181305	175181305	Heterozygous A	C	Novel	NAALADL2	INTRONIC		
chr3	178543535	178543535	Heterozygous A	G	Novel	KCNMB2	SYNONYMOUS_CODING		
chr3	178543535	178543535	Heterozygous A	G	Novel	KCNMB2	SYNONYMOUS_CODING		
chr3	179437788	179437788	Heterozygous C	T	Novel	USP13	NON_SYNONYMI->V		
chr3	179525344	179525344	Heterozygous C	T	Novel	PEX3L	INTRONIC		
chr3	179754358	179754358	Heterozygous A	C	Novel	PEX3L	INTRONIC		
chr3	183778083	183778083	Heterozygous C	G	Novel	PEX3L	INTRONIC		
chr3	183823863	183823863	Heterozygous -	AAGA	Novel	HTR3C	SYNONYMOUS_CODING		
chr3	184063386	184063386	Heterozygous C	T	Novel	HTR3E	INTRONIC		
chr3	184063386	184063386	Heterozygous C	T	Novel	CLCN2	DOWNSTREAM		
chr3	184063386	184063386	Heterozygous C	T	Novel	CLCN2	DOWNSTREAM		
chr3	184063386	184063386	Heterozygous C	T	Novel	CLCN2	DOWNSTREAM		
chr3	184429133	184429133	Heterozygous -	TCG	Novel	MAGEF1	NON_SYNONYMOUS_CODING		
chr3	184552422	184552422	Heterozygous -	T	Novel	VP58	INTRONIC		
chr3	184552422	184552422	Heterozygous -	T	Novel	VP58	INTRONIC		
chr3	184689800	184689800	Heterozygous C	T	Novel	VP58	INTRONIC		
chr3	184689800	184689800	Heterozygous C	T	Novel	VP58	INTRONIC		
chr3	185135385	185135385	Heterozygous CTT	-	Novel	MAP3K13	INTRONIC		
chr3	185335163	185335163	Heterozygous T	-	Novel	SENP2	INTRONIC		
chr3	186522294	186522294	Heterozygous A	-	Novel	RFC4	INTRONIC		
chr3	186522294	186522294	Heterozygous A	-	Novel	RFC4	INTRONIC		
chr3	186572249	186572249	Heterozygous T	C	Novel	ADIPOQ	NON_SYNONYMI->T		
chr3	186572249	186572249	Heterozygous T	C	Novel	ADIPOQ	NON_SYNONYMI->T		
chr3	186917405	186917405	Heterozygous C	A	Novel	RTP1	NON_SYNONYMI-F->L		
chr3	188326926	188326926	Heterozygous -	T	Novel	LPP	INTRONIC		
chr3	188326926	188326926	Heterozygous -	T	Novel	LPP	INTRONIC		
chr3	188937308	188937308	Heterozygous AA	-	Novel	TPRG1	INTRONIC		
chr3	188937308	188937308	Heterozygous AA	-A	Novel	TPRG1	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	190345100	190345100	Heterozygous T	A	Novel	ILIRAP	INTRONIC		
chr3	193120380	193120380	Heterozygous A	-	Novel	ATP13A4	3PRIME_UTR		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	193385059	193385059	Heterozygous G	A	Novel	OPA1	SYNONYMOUS_CODING		
chr3	194080259	194080259	Heterozygous G	A	Novel	LRRC15	NON_SYNONYMI-T->I		
chr3	194080259	194080259	Heterozygous G	A	Novel	LRRC15	NON_SYNONYMI-T->I		
chr3	195390904	195390904	Heterozygous T	C	Novel	SDHAP2	INTRONIC		
chr3	195391111	195391111	Heterozygous T	C	Novel	SDHAP2	EXONIC		
chr3	195395565	195395565	Heterozygous G	A	Novel	SDHAP2	INTRONIC		
chr3	195397926	195397926	Heterozygous T	A	Novel	SDHAP2	INTRONIC		
chr3	195434971	195434971	Heterozygous T	-	Novel	GENIC			
chr3	195508249	195508249	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195508249	195508249	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195508249	195508249	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195511959	195511959	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195511959	195511959	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195511959	195511959	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195513461	195513461	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195513461	195513461	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195513461	195513461	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195513831	195513831	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195513831	195513831	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195513831	195513831	Heterozygous A	G	Novel	MUC4	INTRONIC		
chr3	195514948	195514948	Homozygous G	A	Novel	MUC4	SYNONYMOUS_CODING		
chr3	195514948	195514948	Homozygous G	A	Novel	MUC4	INTRONIC		
chr3	195514948	195514948	Homozygous G	A	Novel	MUC4	INTRONIC		
chr3	195515008	195515008	Heterozygous C	G	Novel	MUC4	INTRONIC		
chr3	195515008	195515008	Heterozygous C	G	Novel	MUC4	INTRONIC		

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr3	195515008	195515008	Heterozygous C	G	Novel	MUC4	NON_SYNONYMI-G->A		
chr3	195515031	195515031	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195515031	195515031	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195515031	195515031	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195515031	195515031	Heterozygous G	A	Novel	MUC4	SYNONYMOUS_CODING		
chr3	195515449	195515449	Heterozygous A	T	Novel	MUC4	INTRONIC		
chr3	195515449	195515449	Heterozygous A	T	Novel	MUC4	INTRONIC		
chr3	195515449	195515449	Heterozygous A	T	Novel	MUC4	INTRONIC		
chr3	195518110	195518110	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195518110	195518110	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	195518110	195518110	Heterozygous G	A	Novel	MUC4	INTRONIC		
chr3	196613111	196613111	Heterozygous A	G	Novel	SEN5	SYNONYMOUS_CODING		
chr3	198857544	198857544	Heterozygous -	A	Novel	DLG1	ESSENTIAL_SPLICE_SITE		
chr3	198857544	198857544	Heterozygous -	A	Novel	DLG1	ESSENTIAL_SPLICE_SITE		
chr3	197846629	197846629	Heterozygous G	A	Novel	GENIC			
chr4	53310	53310	Heterozygous C	T	Novel	ZNF595	EXONIC		
chr4	628648	628648	Heterozygous G	A	Novel	PDE8B	INTRONIC		
chr4	628648	628648	Heterozygous G	A	Novel	PDE8B	INTRONIC		
chr4	658026	658026	Heterozygous G	A	Novel	PDE8B	INTRONIC		
chr4	658026	658026	Heterozygous G	A	Novel	PDE8B	INTRONIC		
chr4	658026	658026	Heterozygous G	A	Novel	PDE8B	INTRONIC		
chr4	887100	887100	Heterozygous C	A	Novel	GAK	INTRONIC		
chr4	892043	892043	Heterozygous G	A	Novel	GAK	INTRONIC		
chr4	947025	947025	Heterozygous G	A	Novel	TMEM175	SYNONYMOUS_CODING		
chr4	1388410	1388411	Heterozygous AT	-	Novel	CRIPAK	FRAMESHIFT_CODING		
chr4	1388755	1388755	Heterozygous C	G	Novel	CRIPAK	SYNONYMOUS_CODING		
chr4	1388757	1388757	Heterozygous A	C	Novel	CRIPAK	NON_SYNONYMI->T		
chr4	1388759	1388759	Heterozygous C	T	Novel	CRIPAK	NON_SYNONYMI-R->W		
chr4	1741589	1741589	Heterozygous A	G	Novel	TACC3	EXONIC		
chr4	1806013	1806013	Heterozygous G	-	Novel	FGFR3	INTRONIC		
chr4	1806013	1806013	Heterozygous G	-	Novel	FGFR3	INTRONIC		
chr4	1806013	1806013	Heterozygous G	-	Novel	FGFR3	INTRONIC		
chr4	2684506	2684506	Heterozygous T	G	Novel	FAM193A	INTRONIC		
chr4	3852895	3852895	Heterozygous G	A	Novel	LOC348928	EXONIC		
chr4	3952911	3952911	Heterozygous C	T	Novel	LOC348928	EXONIC		
chr4	4176680	4176680	Heterozygous T	-	Novel	GENIC			
chr4	4176709	4176710	Heterozygous A	ACT	Novel	GENIC			
chr4	4176709	4176710	Heterozygous A	TCT	Novel	GENIC			
chr4	4864423	4864423	Heterozygous G	T	Novel	MSX1	NON_SYNONYMI-R->S		
chr4	6083530	6083530	Heterozygous G	A	Novel	JAKMIP1	INTRONIC		
chr4	6083530	6083530	Heterozygous G	A	Novel	JAKMIP1	INTRONIC		
chr4	7780480	7780480	Heterozygous G	C	Novel	AFAP1AS	EXONIC		
chr4	7780480	7780480	Heterozygous G	C	Novel	AFAP1	INTRONIC		
chr4	7780480	7780480	Heterozygous G	C	Novel	AFAP1	INTRONIC		
chr4	8983474	8983474	Heterozygous A	C	Novel	GENIC			
chr4	9157388	9157388	Homozygous A	T	Novel	GENIC			
chr4	13338234	13338234	Heterozygous G	-	Novel	HSP90AB2P	EXONIC		
chr4	15503994	15503994	Heterozygous -	TTTTT	Novel	CC2D2A	INTRONIC		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	15993883	15993883	Heterozygous C	T	Novel	PROM1	SPLICE_SITE		
chr4	17581590	17581590	Heterozygous T	A	Novel	LAP3	INTRONIC		
chr4	17590392	17590392	Heterozygous T	C	Novel	LAP3	INTRONIC		
chr4	17683330	17683331	Heterozygous -	A	Novel	FAM184B	INTRONIC		
chr4	20535423	20535424	Heterozygous -	A	Novel	SLIT2	INTRONIC		
chr4	20543019	20543019	Heterozygous G	A	Novel	SLIT2	INTRONIC		
chr4	22394239	22394239	Heterozygous T	G	Novel	GPR125	NON_SYNONYMI-K->N		
chr4	22415234	22415234	Heterozygous G	A	Novel	GPR125	SYNONYMOUS_CODING		
chr4	22449029	22449029	Heterozygous A	-	Novel	GPR125	INTRONIC		
chr4	23816243	23816243	Heterozygous A	-	Novel	PPARGC1A	INTRONIC		
chr4	25835269	25835269	Heterozygous G	C	Novel	SEL1L3	INTRONIC		
chr4	26483827	26483827	Heterozygous A	T	Novel	CKAR	INTRONIC		
chr4	27004738	27004738	Heterozyg						

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr4	41615538	41615538	Heterozygous	G	T	Novel	LIMCH1	SYNONYMOUS_CODING	
chr4	41615538	41615538	Heterozygous	G	T	Novel	LIMCH1	SYNONYMOUS_CODING	
chr4	41615538	41615538	Heterozygous	C	T	Novel	LIMCH1	SYNONYMOUS_CODING	
chr4	41615538	41615538	Heterozygous	C	T	Novel	LIMCH1	SYNONYMOUS_CODING	
chr4	42445708	42445708	Heterozygous	T	G	Novel	ATP8A1	INTRONIC	
chr4	42445708	42445708	Heterozygous	T	G	Novel	ATP8A1	INTRONIC	
chr4	44691795	44691796	Heterozygous	-	A	Novel	GUF1	INTRONIC	
chr4	47163235	47163235	Heterozygous	T	-	Novel	GABRB1	INTRONIC	
chr4	47565807	47565809	Heterozygous	TTC	---	Novel	ATP10D	INTRONIC	
chr4	47900187	47900189	Heterozygous	AAA	---	Novel	NFXL1	INTRONIC	
chr4	48178261	48178261	Heterozygous	T	A	Novel	TEC	INTRONIC	
chr4	48542756	48542756	Heterozygous	C	A	Novel	FRYL	NON_SYNONYMI->I	
chr4	48834584	48834584	Heterozygous	T	A	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	48834584	48834584	Heterozygous	T	G	Novel	OC1AD1	INTRONIC	
chr4	52928353	52928353	Heterozygous	T	-	Novel	SPATA18	INTRONIC	
chr4	52948557	52948557	Heterozygous	C	T	Novel	SPATA18	NON_SYNONYMI-R->C	
chr4	54139976	54139976	Heterozygous	T	-	Novel	SCFD2	INTRONIC	
chr4	54327211	54327212	Heterozygous	-	A	Novel	FIP1L1	DOWNSTREAM	
chr4	54327211	54327212	Heterozygous	-	A	Novel	FIP1L1	DOWNSTREAM	
chr4	54327211	54327212	Heterozygous	-	A	Novel	FIP1L1	DOWNSTREAM	
chr4	54327211	54327212	Heterozygous	-	A	Novel	LNX1	ESSENTIAL_SPLICE_SITE	
chr4	54327211	54327212	Heterozygous	-	A	Novel	LNX1	ESSENTIAL_SPLICE_SITE	
chr4	55131002	55131002	Heterozygous	A	-	Novel	PDGFRA	INTRONIC	
chr4	58304807	58304807	Heterozygous	T	A	Novel	CLOCK	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	58738794	58738795	Heterozygous	T	TTTTG	Novel	EXOC1	INTRONIC	
chr4	57872900	57872901	Homozygous	-	T	Novel	POLR2B	INTRONIC	
chr4	68286113	68286114	Heterozygous	-	A	Novel	EPHA5	INTRONIC	
chr4	68286113	68286114	Heterozygous	-	A	Novel	EPHA5	INTRONIC	
chr4	68956464	68956464	Heterozygous	T	C	Novel	TMPPRSS11F	INTRONIC	
chr4	70255709	70255709	Heterozygous	T	G	Novel		GENIC	
chr4	71099775	71099775	Heterozygous	G	C	Novel	C4orf7	SYNONYMOUS_CODING	
chr4	71113480	71113480	Heterozygous	T	-	Novel	CSN3	INTRONIC	
chr4	71114702	71114703	Heterozygous	-	T	Novel	CSN3	INTRONIC	
chr4	71824731	71824731	Heterozygous	A	T	Novel	MOBK1A	NON_SYNONYMI-D->V	
chr4	72428071	72428071	Heterozygous	A	G	Novel	SLC4A4	INTRONIC	
chr4	72428071	72428071	Heterozygous	A	G	Novel	SLC4A4	INTRONIC	
chr4	72428071	72428071	Heterozygous	A	G	Novel	SLC4A4	INTRONIC	
chr4	74310695	74310696	Heterozygous	-	T	Novel	APP	INTRONIC	
chr4	74735429	74735429	Heterozygous	C	A	Novel	EXCL1	SYNONYMOUS_CODING	
chr4	76415893	76415894	Homozygous	---	TA	Novel	RCHY1	INTRONIC	
chr4	76415893	76415894	Homozygous	---	TA	Novel	RCHY1	INTRONIC	
chr4	76415893	76415894	Homozygous	---	TA	Novel	RCHY1	INTRONIC	
chr4	77084391	77084391	Heterozygous	C	T	Novel	SCARB2	NON_SYNONYMI-G->E	
chr4	77091187	77091191	Heterozygous	AGGTG	---	Novel	SCARB2	INTRONIC	
chr4	77317800	77317800	Heterozygous	C	T	Novel	SCDC15B	NON_SYNONYMI-S->N	
chr4	78641837	78641837	Heterozygous	T	-	Novel	CNOT6L	NON_SYNONYMI-H->P	
chr4	79480648	79480648	Heterozygous	A	-	Novel	FRAS1	SYNONYMOUS_CODING	
chr4	83424232	83424232	Heterozygous	T	C	Novel	TMEM150C	SYNONYMOUS_CODING	
chr4	86921609	86921610	Heterozygous	-	C	Novel	ARHGAP24	INTRONIC	
chr4	86921609	86921610	Heterozygous	-	C	Novel	ARHGAP24	INTRONIC	
chr4	86921609	86921610	Heterozygous	-	C	Novel	ARHGAP24	INTRONIC	
chr4	87022390	87022390	Heterozygous	A	G	Novel	MAPK10	INTRONIC	
chr4	87022390	87022390	Heterozygous	A	G	Novel	MAPK10	INTRONIC	
chr4	87022390	87022390	Heterozygous	A	G	Novel	MAPK10	INTRONIC	
chr4	88815239	88815239	Heterozygous	T	-	Novel		GENIC	
chr4	88815440	88815440	Heterozygous	A	-	Novel		GENIC	
chr4	94693161	94693161	Heterozygous	T	-	Novel	GRID2	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	95508282	95508282	Heterozygous	T	-	Novel	PDLIM5	INTRONIC	
chr4	100336450	100336450	Heterozygous	T	-	Novel	ADH7	INTRONIC	
chr4	100336450	100336450	Heterozygous	T	-	Novel	ADH7	INTRONIC	
chr4	104066176	104066177	Heterozygous	-	A	Novel	CENPE	INTRONIC	
chr4	106621258	106621258	Heterozygous	T	C	Novel	INTS12	INTRONIC	
chr4	106621258	106621258	Heterozygous	T	C	Novel	INTS12	INTRONIC	
chr4	109748287	109748287	Heterozygous	T	A	Novel	COL25A1	INTRONIC	

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr4	109748287	109748287	Heterozygous	T	A	Novel	COL25A1	INTRONIC	
chr4	109895719	109895719	Heterozygous	A	-	Novel	COL25A1	SPLICE_SITE	
chr4	109895719	109895719	Heterozygous	A	-	Novel	COL25A1	SPLICE_SITE	
chr4	114269501	114269501	Heterozygous	T	C	Novel	ANK2	INTRONIC	
chr4	114269501	114269501	Heterozygous	T	C	Novel	ANK2	INTRONIC	
chr4	114269501	114269501	Heterozygous	T	C	Novel	ANK2	INTRONIC	
chr4	115856318	115856318	Heterozygous	A	G	Novel	NDST4	INTRONIC	
chr4	126398497	126398497	Heterozygous	G	A	Novel	FAT4	SPLICE_SITE	
chr4	128812230	128812231	Heterozygous	-	T	Novel	PLK4	INTRONIC	
chr4	128812230	128812231	Heterozygous	-	T	Novel	PLK4	INTRONIC	
chr4	129782853	129782853	Heterozygous	T	C	Novel	PHF17	SPLICE_SITE	
chr4	129782853	129782853	Heterozygous	T	C	Novel	PHF17	SPLICE_SITE	
chr4	140811064	140811066	Heterozygous	TGC	---	Novel	MAML3	COMPLEX_VARIATION	
chr4	141327114	141327114	Heterozygous	T	C	Novel	CLGN	NON_SYNONYMI-D->G	
chr4	141327114	141327114	Heterozygous	T	C	Novel	CLGN	NON_SYNONYMI-D->G	
chr4	141580930	141580930	Heterozygous	T	C	Novel	TBC1D9	INTRONIC	
chr4	144507270	144507271	Heterozygous	-	T	Novel	FREM3	INTRONIC	
chr4	144507278	144507278	Heterozygous	A	T	Novel	FREM3	INTRONIC	
chr4	144921518	144921519	Heterozygous	A	C	Novel	GYPB	INTRONIC	
chr4	145039902	145039902	Heterozygous	T	-	Novel	GYPB	INTRONIC	
chr4	145580172	145580172	Heterozygous	T	C	Novel	HHIP	INTRONIC	
chr4	148457008	148457008	Heterozygous	T	-	Novel	EDNRA	INTRONIC	
chr4	148457008	148457008	Heterozygous	T	-	Novel	EDNRA	INTRONIC	
chr4	148457008	148457008	Heterozygous	T	-	Novel	EDNRA	INTRONIC	
chr4	148578918	148578918	Heterozygous	A	-	Novel	PRMT10	INTRONIC	
chr4	155180853	155180856	Heterozygous	CACA	---	Novel	DCHS2	INTRONIC	
chr4	155244402	155244405	Heterozygous	TTTG	---	Novel	DCHS2	FRAMESHIFT_CODING	
chr4	155244402	155244405	Heterozygous	TTTG	---	Novel	DCHS2	INTRONIC	
chr4	164436465	164436465	Heterozygous	G	T	Novel	C4orf43	NON_SYNONYMI-R->S	
chr4	166259061	166259061	Heterozygous	C	G	Novel	SC4MOL	5PRIME_UTR	
chr4	166259061	166259061	Heterozygous	C	G	Novel	SC4MOL	NON_SYNONYMI-P->A	
chr4	169212919	169212919	Heterozygous	T	A	Novel	DDX60	NON_SYNONYMI-M->L	
chr4	169325282	169325283	Heterozygous	-	A	Novel	DDX60L	INTRONIC	
chr4	169337957	169337958	Heterozygous	-	A	Novel	DDX60L	INTRONIC	
chr4	169589443	169589443	Heterozygous	C	A	Novel	PALLD	NON_SYNONYMI-D->E	
chr4	169589443	169589443	Heterozygous	C	A	Novel	PALLD	NON_SYNONYMI-D->E	
chr4	169589443	169589443	Heterozygous	C	A	Novel	PALLD	5PRIME_UTR	
chr4	170077835	170077835	Heterozygous	A	-	Novel	SH3RF1	SPLICE_SITE	
chr4	170638892	170638893	Homozygous	CT	---	Novel	CLCN3	INTRONIC	
chr4	170638892	170638893	Homozygous	CT	---	Novel	CLCN3	INTRONIC	
chr4	170913321	170913321	Homozygous	A	C	Novel	MFAP3L	SYNONYMOUS_CODING	
chr4	170913321	170913321	Homozygous	A	C	Novel	MFAP3L	SYNONYMOUS_CODING	
chr4	177142620	177142620	Heterozygous	C	T	Novel	ASB5	SYNONYMOUS_CODING	
chr4	178256978	178256979	Heterozygous	-	A	Novel	NEIL3	ESSENTIAL_SPLICE_SITE	
chr4	178359978	178359978	Heterozygous	T	C	Novel	AGA	NON_SYNONYMI-L->S	
chr4	178359978	178359978	Heterozygous	T	C	Novel	AGA	EXONIC	
chr4	178359978	178359978	Heterozygous	T	C	Novel	AGA	NON_SYNONYMI-N->S	
chr4	183522410	183522412	Heterozygous	TTG	---	Novel	ODZ3	INTRONIC	
chr4	184570724	184570724	Heterozygous	A	-	Novel	RWDD4A	SPLICE_SITE	
chr4	186274775	186274775	Heterozygous	A	G	Novel	SNX25	INTRONIC	
chr4	186288458	186288458	Heterozygous	T	-	Novel	LRP2BP	INTRONIC	
chr4	187524405	187524405	Heterozygous	T	C	Novel	FAT1	NON_SYNONYMI-M->V	
chr4	187540893	187540893	Heterozygous	A	-	Novel	FAT1	NON_SYNONYMI-S->A	
chr4	187827860	187827861	Heterozygous	AA	-	Novel	FAT1	INTRONIC	
chr4	187827860	187827861	Heterozygous	AA	-	Novel	FAT1	INTRONIC	
chr4	190884225	190884226	Heterozygous	---	TTC	Novel	FRG1	INTRONIC	
chr5	182098	182098	Heterozygous	G	A	Novel	PLEKHG4B	INTRONIC	
chr5	472830	472830	Heterozygous	C	A	Novel	LOC25845	EXONIC	
chr5	472830	472830	Heterozygous	C	A	Novel	SLC9A3	DOWNSTREAM	
chr5	485359	485360	Heterozygous	CG	C-	Novel	SLC9A3	INTRONIC	</

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr5	35763899	35763899	Heterozygous	G	C	Novel	SPEF2	NON_SYNONYMIK->N	
chr5	37125561	37125565	Heterozygous	AGATA	-----	Novel		GENIC	
chr5	37605123	37605123	Heterozygous	T	-	Novel	WDR70	INTRONIC	
chr5	37834720	37834720	Heterozygous	C	T	Novel		GENIC	
chr5	39002488	39002488	Heterozygous	G	-	Novel	RICTOR	INTRONIC	
chr5	41049295	41049295	Heterozygous	T	C	Novel	HEATR7B2	INTRONIC	
chr5	45267103	45267103	Heterozygous	A	G	Novel	HCH1	INTRONIC	
chr5	45304009	45304009	Heterozygous	A	G	Novel	HCH1	INTRONIC	
chr5	49699283	49699283	Heterozygous	A	G	Novel	EMB	SYNONYMOUS_CODING	
chr5	49963826	49963826	Heterozygous	G	A	Novel	PARP8	INTRONIC	
chr5	49963826	49963826	Heterozygous	G	A	Novel	PARP8	INTRONIC	
chr5	49963826	49963826	Heterozygous	G	A	Novel	PARP8	INTRONIC	
chr5	50125901	50125901	Heterozygous	T	C	Novel	PARP8	INTRONIC	
chr5	50125901	50125901	Heterozygous	T	C	Novel	PARP8	INTRONIC	
chr5	50125901	50125901	Heterozygous	T	C	Novel	PARP8	INTRONIC	
chr5	52201692	52201692	Heterozygous	A	A	Novel	ITGA1	NON_SYNONYMIY->K	
chr5	52954468	52954469	Heterozygous	-	T	Novel	NDUFS4	INTRONIC	
chr5	54645351	54645352	Heterozygous	-----	GTA	Novel	SKIV2L2	INTRONIC	
chr5	54710073	54710073	Heterozygous	T	-	Novel	SKIV2L2	SPLICE_SITE	
chr5	54948586	54948587	Heterozygous	-	A	Novel	SLC38A9	INTRONIC	
chr5	60082315	60082315	Heterozygous	G	C	Novel	ELOVL7	INTRONIC	
chr5	60082315	60082315	Heterozygous	G	C	Novel	ELOVL7	INTRONIC	
chr5	60982634	60982635	Heterozygous	-	T	Novel	FLJ37543	INTRONIC	
chr5	63510465	63510465	Heterozygous	A	A	Novel	RNF180	INTRONIC	
chr5	63510465	63510465	Heterozygous	A	G	Novel	RNF180	INTRONIC	
chr5	64099941	64099942	Heterozygous	-	A	Novel	CWC27	INTRONIC	
chr5	64766859	64766859	Heterozygous	T	G	Novel	ADAMTS6	SYNONYMOUS_CODING	
chr5	64859283	64859283	Heterozygous	G	T	Novel	CENPK	UPSTREAM	
chr5	64859283	64859283	Heterozygous	G	T	Novel	PPWD1	NON_SYNONYMIYR->L	
chr5	65372793	65372794	Heterozygous	-	T	Novel	ERBB2IP	INTRONIC	
chr5	65372793	65372794	Heterozygous	-	T	Novel	ERBB2IP	INTRONIC	
chr5	66438359	66438359	Heterozygous	A	G	Novel	MAST4	NON_SYNONYMIK->E	
chr5	66438359	66438359	Heterozygous	A	G	Novel	MAST4	NON_SYNONYMIK->E	
chr5	67589061	67589061	Heterozygous	T	G	Novel	PIK3R1	INTRONIC	
chr5	67589061	67589061	Heterozygous	T	G	Novel	PIK3R1	INTRONIC	
chr5	67589061	67589061	Heterozygous	T	G	Novel	PIK3R1	INTRONIC	
chr5	68467296	68467297	Heterozygous	-	T	Novel	C6orf10	INTRONIC	
chr5	68715804	68715804	Heterozygous	A	G	Novel	MAFVLD2	NON_SYNONYMIYV->M	
chr5	68804881	68804881	Heterozygous	A	G	Novel	OCLN	INTRONIC	
chr5	69405856	69405856	Heterozygous	A	G	Novel		GENIC	
chr5	72192848	72192849	Heterozygous	-	T	Novel	TNPO1	INTRONIC	
chr5	72192848	72192849	Heterozygous	-	T	Novel	TNPO1	INTRONIC	
chr5	74638680	74638680	Heterozygous	A	G	Novel	HMGCR	INTRONIC	
chr5	74638680	74638680	Heterozygous	A	G	Novel	HMGCR	INTRONIC	
chr5	75964686	75964686	Heterozygous	A	G	Novel	IQGA2	INTRONIC	
chr5	78416974	78416974	Heterozygous	A	-	Novel	BHMT	INTRONIC	
chr5	79054469	79054472	Heterozygous	TATG	-----	Novel	CMYA5	INTRONIC	
chr5	79279578	79279578	Heterozygous	G	A	Novel	MTX3	NON_SYNONYMIYR->W	
chr5	79279578	79279578	Heterozygous	G	A	Novel	MTX3	JPRIME_UTR	
chr5	79357682	79357683	Heterozygous	-	T	Novel	THBS4	INTRONIC	
chr5	80376074	80376074	Heterozygous	G	C	Novel	RASGRF2	INTRONIC	
chr5	80604837	80604837	Heterozygous	C	T	Novel	ZCCHC9	NON_SYNONYMIY->L	
chr5	80604837	80604837	Heterozygous	C	T	Novel	ZCCHC9	NON_SYNONYMIY->L	
chr5	80604837	80604837	Heterozygous	C	T	Novel	ZCCHC9	NON_SYNONYMIY->L	
chr5	81571858	81571858	Heterozygous	A	A	Novel	RPS23	JPRIME_UTR	
chr5	81601156	81601156	Heterozygous	T	G	Novel	ATP6AP1L	UPSTREAM	
chr5	89814988	89814988	Heterozygous	G	C	Novel	LYSMD3	NON_SYNONYMIY->R	
chr5	89815142	89815142	Heterozygous	A	C	Novel	LYSMD3	NON_SYNONYMIYS->A	
chr5	90077515	90077515	Heterozygous	A	G	Novel	GPR98	INTRONIC	
chr5	90077515	90077515	Heterozygous	A	G	Novel	GPR98	INTRONIC	
chr5	90086591	90086592	Heterozygous	TT	-----	Novel	GPR98	INTRONIC	
chr5	90086591	90086592	Heterozygous	TT	-----	Novel	GPR98	INTRONIC	
chr5	108168452	108168452	Heterozygous	T	-	Novel	FER	INTRONIC	
chr5	108387230	108387230	Heterozygous	G	-	Novel	FER	INTRONIC	
chr5	108691731	108691731	Heterozygous	A	-	Novel	PJA2	SPLICE_SITE	
chr5	114480554	114480554	Heterozygous	C	T	Novel	TRIM38	INTRONIC	
chr5	115628134	115628134	Heterozygous	C	-	Novel	COMMD10	INTRONIC	
chr5	126771111	126771111	Heterozygous	C	T	Novel	MCF10	SYNONYMOUS_CODING	
chr5	128326177	128326178	Heterozygous	-	A	Novel	SLC27A8	INTRONIC	
chr5	128326177	128326178	Heterozygous	-	A	Novel	SLC27A8	INTRONIC	
chr5	128351629	128351629	Heterozygous	C	T	Novel	SLC27A6	NON_SYNONYMIYR->W	
chr5	128351629	128351629	Heterozygous	C	T	Novel	SLC27A6	NON_SYNONYMIYR->W	
chr5	128664292	128664292	Heterozygous	A	G	Novel	ADAMTS19	NON_SYNONYMIK->R	
chr5	128989925	128989926	Heterozygous	-	A	Novel	ADAMTS19	INTRONIC	
chr5	130778259	130778259	Heterozygous	C	A	Novel	RAPGEF6	INTRONIC	
chr5	130778259	130778259	Heterozygous	C	A	Novel	RAPGEF6	INTRONIC	
chr5	130778259	130778259	Heterozygous	C	A	Novel	RAPGEF6	INTRONIC	

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr5	130778259	130778259	Heterozygous	C	A	Novel	RAPGEF6	INTRONIC	
chr5	130778259	130778259	Heterozygous	C	A	Novel	RAPGEF6	INTRONIC	
chr5	131323988	131323988	Heterozygous	G	A	Novel	ACSL6	INTRONIC	
chr5	131323988	131323988	Heterozygous	G	A	Novel	ACSL6	INTRONIC	
chr5	131606854	131606854	Heterozygous	C	T	Novel	PDLIM4	INTRONIC	
chr5	131606854	131606854	Heterozygous	C	T	Novel	PDLIM4	INTRONIC	
chr5	132036409	132036412	Heterozygous	AGAT	-----	Novel	KIF3A	INTRONIC	
chr5	132403057	132403058	Heterozygous	-	A	Novel	HSPA4	INTRONIC	
chr5	133640050	133640050	Heterozygous	A	G	Novel	CDKL3	INTRONIC	
chr5	134785328	134785329	Heterozygous	C	T	Novel	TIFAB	NON_SYNONYMIYV->I	
chr5	137589777	137589777	Heterozygous	G	-	Novel	GFR3	INTRONIC	
chr5	139884478	139884478	Heterozygous	G	C	Novel	ANKRD1-E1F	NON_SYNONYMIYC->S	
chr5	139884478	139884478	Heterozygous	G	C	Novel	ANKRD1	NON_SYNONYMIYC->S	
chr5	140537157	140537157	Heterozygous	G	C	Novel	PODHB17	EXONIC	
chr5	145199606	145199606	Heterozygous	A	C	Novel	PRELI2	INTRONIC	
chr5	145199808	145199808	Heterozygous	A	C	Novel	PRELI2	INTRONIC	
chr5	145199808	145199808	Heterozygous	A	C	Novel	PRELI2	INTRONIC	
chr5	145851164	145851164	Heterozygous	T	-	Novel	TCERG1	INTRONIC	
chr5	145851164	145851164	Heterozygous	T	-	Novel	TCERG1	INTRONIC	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	146030225	146030225	Heterozygous	G	A	Novel	PPP2R2B	SYNONYMOUS_CODING	
chr5	147019338	147019337	Heterozygous	AA	-----	Novel	JAKMIP2	INTRONIC	
chr5	147484466	147484466	Heterozygous	A	-	Novel	SPINK5	INTRONIC	
chr5	147484466	147484466	Heterozygous	A	-	Novel	SPINK5	INTRONIC	
chr5	147484466	147484466	Heterozygous	A	-	Novel	SPINK5	INTRONIC	
chr5	147796804	147796804	Heterozygous	A	T	Novel	FBXO38	INTRONIC	
chr5	147796804	147796804	Heterozygous	A	T	Novel	FBXO38	INTRONIC	
chr5	149389589	149389590	Heterozygous	-	AT	Novel	HMGXB3	INTRONIC	
chr5	149433844	149433844	Heterozygous	G	A	Novel	HMGXB3	DOWNSTREAM	
chr5	149433844	149433844	Heterozygous	G	A	Novel	CSF1R	INTRONIC	
chr5	149441017	149441017	Heterozygous	C	-	Novel	CSF1R	INTRONIC	
chr5	149513811	149513811	Heterozygous	A	C	Novel	PDGFRB	INTRONIC	
chr5	149582191	149582191	Heterozygous	G	A	Novel	SLC6A7	NON_SYNONYMIYG->S	
chr5	149892822	149892822	Heterozygous	C	T	Novel	NDST1	SYNONYMOUS_CODING	
chr5	150052115	150052115	Heterozygous	A	T	Novel	MYO23	INTRONIC	
chr5	150052115	150052115	Heterozygous	A	T	Novel	MYO23	INTRONIC	
chr5	150512740	150512740	Heterozygous	A	A	Novel	ANKA8	SYNONYMOUS_CODING	
chr5	150512740	150512740	Heterozygous	A	A	Novel	ANKA8	SYNONYMOUS_CODING	
chr5	150844000	150844001	Heterozygous	TG	-----	Novel	SLC36A1	INTRONIC	
chr5	150885100	150885100	Heterozygous	G	A	Novel	FAT2	JPRIME_UTR	
chr5	151271781	151271781	Heterozygous	G	A	Novel	GLRA1	INTRONIC	
chr5	151271781	151271781	Heterozygous	G	A	Novel	GLRA1	INTRONIC	
chr5	154210339	154210340	Heterozygous	-----	AGG	Novel	C5orf4	INTRONIC	
chr5	155771421	155771422	Homozygous	-	T	Novel	SGCD	INTRONIC	
chr5	155771421	155771422	Homozygous	-	T	Novel	SGCD	INTRONIC	
chr5	155771421	155771422	Homozygous	-	T	Novel	SGCD	INTRONIC	
chr5	156817572	156817572	Heterozygous	A	G	Novel	CYFIP2	NON_SYNONYMIY->V	
chr5	156817572	156817572	Heterozygous	A	G	Novel	CYFIP2	NON_SYNONYMIY->V	
chr5	156817572	156817572	Heterozygous	A	G	Novel	CYFIP2	NON_SYNONYMIY->V	
chr5	157075944	157075945	Heterozygous	AG	-----	Novel	SOX30	INTRONIC	
chr5	157075944	157075945	Heterozygous	AG	-----	Novel	SOX30	INTRONIC	
chr5	159478090	159478090	Heterozygous	T	-	Novel	TTCl	INTRONIC	
chr5	159821054	159821054	Heterozygous	T	C	Novel	C5orf54	NON_SYNONYMIY->V	
chr5	161576406	161576406	Heterozygous	C	G	Novel	GABRG2	INTRONIC	
chr5	161576406	161576406	Heterozygous	C	G	Novel	GABRG2	INTRONIC	
chr5	161576406	161576406	Heterozygous	C	G	Novel	GABRG2	INTRONIC	
chr5	167642103	167642103	Heterozygous	G	A	Novel	ODZ2	NON_SYNONYMIY->M	
chr5	167858463	167858466	Heterozygous	CTGG					

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr5	176936670	176936670	Heterozygous	G	C	Novel	DOK3	INTRONIC	
chr5	176936670	176936670	Heterozygous	G	C	Novel	DOK3	INTRONIC	
chr5	176936670	176936670	Heterozygous	G	C	Novel	DOK3	INTRONIC	
chr5	176936670	176936670	Heterozygous	G	C	Novel	DDX41	DOWNSTREAM	
chr5	177676990	177676990	Heterozygous	A	G	Novel	COL23A1	INTRONIC	
chr5	178359221	178359222	Heterozygous	TT	—	Novel	ZFP2	INTRONIC	
chr5	178408584	178408584	Heterozygous	C	G	Novel	GRM6	3PRIME_UTR	
chr5	180432228	180432228	Heterozygous	C	T	Novel	BTNL3	INTRONIC	
chr5	180472420	180472420	Heterozygous	C	—	Novel	BTNL9	INTRONIC	
chr5	3737518	3737518	Heterozygous	C	A	Novel	C6orf145	INTRONIC	
chr5	3738269	3738269	Homozygous	C	—	Novel	C6orf145	INTRONIC	
chr5	6318919	6318920	Heterozygous	—	A	Novel	F13A1	SPLICE_SITE	
chr5	7402881	7402881	Heterozygous	A	G	Novel	R1OK1	5PRIME_UTR	
chr5	7402881	7402881	Heterozygous	A	G	Novel	R1OK1	NON_SYNONYMI->V	
chr5	9900599	9900600	Heterozygous	—	GAG	Novel		GENIC	
chr5	10586909	10586909	Heterozygous	T	A	Novel	GNNT2	INTRONIC	
chr5	10586909	10586909	Heterozygous	T	A	Novel	GNNT2	INTRONIC	
chr5	10586909	10586909	Heterozygous	T	A	Novel	GNNT2	SYNONYMOUS_CODING	
chr5	13272959	13272959	Heterozygous	A	C	Novel	PHACTR1	INTRONIC	
chr5	13316781	13316781	Heterozygous	A	—	Novel	TBC1D7	INTRONIC	
chr5	13316781	13316781	Heterozygous	A	—	Novel	TBC1D7	INTRONIC	
chr5	13316781	13316781	Heterozygous	A	—	Novel	TBC1D7	INTRONIC	
chr5	13316781	13316781	Heterozygous	A	—	Novel	TBC1D7	INTRONIC	
chr5	13316781	13316781	Heterozygous	A	—	Novel	TBC1D7	INTRONIC	
chr5	13639776	13639776	Heterozygous	G	A	Novel	RANBP9	INTRONIC	
chr5	15524599	15524599	Heterozygous	A	G	Novel	DTNBP1	EXONIC	
chr5	15524599	15524599	Heterozygous	A	G	Novel	DTNBP1	INTRONIC	
chr5	15524599	15524599	Heterozygous	A	G	Novel	DTNBP1	3PRIME_UTR	
chr5	17669263	17669263	Heterozygous	A	—	Novel	NUP153	SPLICE_SITE	
chr5	18139965	18139965	Heterozygous	A	—	Novel	TPMT	INTRONIC	
chr5	18457407	18457407	Heterozygous	G	A	Novel	RNF144B	NON_SYNONYMI-R->Q	
chr5	24473826	24473826	Heterozygous	G	A	Novel	GPLD1	INTRONIC	
chr5	24473826	24473826	Heterozygous	G	A	Novel	GPLD1	SYNONYMOUS_CODING	
chr5	24651353	24651353	Heterozygous	A	—	Novel	TDP2	INTRONIC	
chr5	24718694	24718694	Heterozygous	A	G	Novel	C6orf82	INTRONIC	
chr5	24873790	24873790	Heterozygous	T	C	Novel	FAM85B	INTRONIC	
chr5	24873790	24873790	Heterozygous	T	C	Novel	FAM85B	INTRONIC	
chr5	26033841	26033841	Heterozygous	A	G	Novel	HIST1H3B	UPSTREAM	
chr5	26033841	26033841	Heterozygous	A	G	Novel	HIST1H2AB	UPSTREAM	
chr5	26216437	26216437	Heterozygous	G	A	Novel	HIST1H2AE	3PRIME_UTR	
chr5	26216437	26216437	Heterozygous	G	A	Novel	HIST1H2AB	UPSTREAM	
chr5	26452681	26452681	Heterozygous	T	A	Novel	BTN3A3	3PRIME_UTR	
chr5	26452681	26452681	Heterozygous	T	A	Novel	BTN3A3	3PRIME_UTR	
chr5	26452681	26452681	Heterozygous	T	A	Novel	BTN3A3	3PRIME_UTR	
chr5	26466474	26466474	Heterozygous	T	G	Novel	BTN2A1	INTRONIC	
chr5	26466474	26466474	Heterozygous	T	G	Novel	BTN2A1	INTRONIC	
chr5	27840112	27840112	Heterozygous	A	C	Novel	HIST1H3I	UPSTREAM	
chr5	27840112	27840112	Heterozygous	A	C	Novel	HIST1H4L	DOWNSTREAM	
chr5	33638899	33638899	Heterozygous	C	T	Novel	ITPR3	INTRONIC	
chr5	33656603	33656603	Heterozygous	C	T	Novel	ITPR3	INTRONIC	
chr5	33694588	33694588	Heterozygous	C	A	Novel	IPK3	NON_SYNONYMI-S->N	
chr5	33694588	33694588	Heterozygous	C	A	Novel	IPK3	NON_SYNONYMI-S->N	
chr5	35048721	35048721	Heterozygous	G	A	Novel	ANKS1A	INTRONIC	
chr5	35426058	35426058	Heterozygous	C	T	Novel	FANCE	INTRONIC	
chr5	35430691	35430691	Heterozygous	C	T	Novel	FANCE	SYNONYMOUS_CODING.SPL	
chr5	36569712	36569712	Heterozygous	G	T	Novel	SRSF3	INTRONIC	
chr5	36569712	36569712	Heterozygous	G	T	Novel	SRSF3	INTRONIC	
chr5	36978697	36978697	Heterozygous	C	A	Novel	FGD2	INTRONIC	
chr5	37427321	37427321	Heterozygous	A	G	Novel	FTSJD2	INTRONIC	
chr5	38819306	38819306	Heterozygous	A	—	Novel	DNAH8	INTRONIC	
chr5	38919143	38919143	Heterozygous	G	C	Novel	DNAH8	NON_SYNONYMI-D->H	
chr5	40347103	40347104	Heterozygous	—	C	Novel	TDRO1	EXONIC	
chr5	41039424	41039424	Heterozygous	G	C	Novel	C6orf130	INTRONIC	
chr5	41039424	41039424	Heterozygous	G	C	Novel	NFYA	UPSTREAM	
chr5	41039424	41039424	Heterozygous	G	C	Novel	NFYA	UPSTREAM	
chr5	41533545	41533545	Heterozygous	G	A	Novel	FOXP4	NON_SYNONYMI-G->D	
chr5	41533545	41533545	Heterozygous	G	A	Novel	FOXP4	NON_SYNONYMI-G->D	
chr5	41533545	41533545	Heterozygous	G	A	Novel	FOXP4	NON_SYNONYMI-G->D	
chr5	41554973	41554973	Heterozygous	T	C	Novel	FOXP4	INTRONIC	
chr5	41554973	41554973	Heterozygous	T	C	Novel	FOXP4	INTRONIC	
chr5	41554973	41554973	Heterozygous	T	C	Novel	FOXP4	INTRONIC	
chr5	41774685	41774685	Heterozygous	C	G	Novel	USP49	NON_SYNONYMI-A->P	
chr5	41888825	41888825	Heterozygous	C	T	Novel	MED20	5PRIME_UTR	
chr5	41888825	41888825	Heterozygous	C	T	Novel	BYSL	UPSTREAM	
chr5	42025443	42025443	Heterozygous	G	C	Novel	TAF8	INTRONIC	
chr5	42145879	42145879	Heterozygous	T	G	Novel	GUCA1A	INTRONIC	
chr5	42146488	42146488	Heterozygous	A	C	Novel	GUCA1A	INTRONIC	
chr5	42924489	42924489	Heterozygous	G	—	Novel		GENIC	
chr5	42929843	42929843	Heterozygous	C	T	Novel	GNMT	INTRONIC	

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr5	42929843	42929843	Heterozygous	C	T	Novel	PEX6	DOWNSTREAM	
chr5	43008414	43008414	Heterozygous	C	T	Novel	CUL7	NON_SYNONYMI-G->S	
chr5	43008414	43008414	Heterozygous	C	T	Novel	CUL7	NON_SYNONYMI-G->S	
chr5	43014334	43014334	Heterozygous	C	T	Novel	CUL7	SYNONYMOUS_CODING	
chr5	43014334	43014334	Heterozygous	C	T	Novel	CUL7	SYNONYMOUS_CODING	
chr5	43127720	43127720	Heterozygous	G	T	Novel	PTK7	INTRONIC	
chr5	43127720	43127720	Heterozygous	G	T	Novel	PTK7	INTRONIC	
chr5	43127720	43127720	Heterozygous	G	T	Novel	PTK7	INTRONIC	
chr5	43127720	43127720	Heterozygous	G	T	Novel	PTK7	INTRONIC	
chr5	43220988	43220988	Heterozygous	—	A	Novel	TBTK1	INTRONIC	
chr5	44108028	44108028	Heterozygous	G	T	Novel	TMEM63B	SYNONYMOUS_CODING	
chr5	44144743	44144744	Heterozygous	—	G	Novel	CAPN11	SPLICE_SITE	
chr5	44274142	44274144	Heterozygous	AGA	—	Novel	AARS2	INTRONIC	
chr5	44274142	44274144	Heterozygous	AGA	AG-	Novel	AARS2	INTRONIC	
chr5	48036031	48036031	Heterozygous	C	G	Novel	C6orf138	NON_SYNONYMI-G->R	
chr5	48036031	48036031	Heterozygous	C	G	Novel	C6orf138	NON_SYNONYMI-G->R	
chr5	48036031	48036031	Heterozygous	C	G	Novel	C6orf138	NON_SYNONYMI-G->R	
chr5	48415352	48415352	Heterozygous	—	CTAT	Novel	MUT	INTRONIC	
chr5	48463578	48463579	Heterozygous	—	G	Novel	GLYATL3	INTRONIC	
chr5	51818174	51818174	Heterozygous	A	G	Novel	PKHD1	INTRONIC	
chr5	51818174	51818174	Heterozygous	A	G	Novel	PKHD1	INTRONIC	
chr5	51858139	51858139	Heterozygous	A	C	Novel	PKHD1	NON_SYNONYMI-F->V	
chr5	51858139	51858139	Heterozygous	A	C	Novel	PKHD1	NON_SYNONYMI-F->V	
chr5	52374319	52374320	Heterozygous	—	AC	Novel	TRAM2	SPLICE_SITE	
chr5	56357689	56357689	Heterozygous	A	—	Novel	DST	INTRONIC	
chr5	57393222	57393222	Heterozygous	A	G	Novel	PRIM2	INTRONIC	
chr5	57393228	57393228	Heterozygous	G	A	Novel	PRIM2	INTRONIC	
chr5	57398117	57398118	Heterozygous	G	A	Novel	PRIM2	INTRONIC	
chr5	57398118	57398118	Heterozygous	G	AT	Novel	PRIM2	FRAMESHIFT_CODING	
chr5	62611310	62611310	Heterozygous	T	C	Novel	KHORBS2	INTRONIC	
chr5	66489835	66489838	Heterozygous	—	T	Novel	MCA3P3	EXONIC	
chr5	70639637	70639638	Heterozygous	—	A	Novel	COL19A1	INTRONIC	
chr5	70964610	70964610	Heterozygous	A	G	Novel	COL9A1	INTRONIC	
chr5	70964610	70964610	Heterozygous	A	G	Novel	COL9A1	INTRONIC	
chr5	71004333	71004333	Heterozygous	C	—	Novel	COL9A1	INTRONIC	
chr5	71187020	71187020	Heterozygous	A	C	Novel	FAM135A	NON_SYNONYMI-H->P	
chr5	71187020	71187020	Heterozygous	A	C	Novel	FAM135A	NON_SYNONYMI-H->P	
chr5	71187020	71187020	Heterozygous	A	C	Novel	FAM135A	NON_SYNONYMI-H->P	
chr5	72856417	72856418	Heterozygous	TT	—	Novel	RIMS1	INTRONIC	
chr5	72856417	72856418	Heterozygous	TT	—	Novel	RIMS1	INTRONIC	
chr5	73839444	73839444	Heterozygous	A	G	Novel	KCNQ5	INTRONIC	
chr5	73839444	73839444	Heterozygous	A	G	Novel	KCNQ5	INTRONIC	
chr5	73839444	73839444	Heterozygous	A	G	Novel	KCNQ5	INTRONIC	
chr5	73839444	73839444	Heterozygous	A	G	Novel	KCNQ5	INTRONIC	
chr5	73839444	73839444	Heterozygous	A	G	Novel	KCNQ5	INTRONIC	
chr5	75861485	75861486	Heterozygous	—	T	Novel	COL12A1	INTRONIC	
chr5	75861485	75861486	Heterozygous	—	T	Novel	COL12A1	INTRONIC	
chr5	75950109	75950110	Heterozygous	—	A	Novel	GOX7A2	SPLICE_SITE	
chr5	75950109	75950110	Heterozygous	—	A	Novel	GOX7A2	SPLICE_SITE	
chr5	76570818	76570817	Heterozygous	TG	—	Novel	MYO6	SPLICE_SITE	
chr5	76728524	76728524	Heterozygous	C	T	Novel	IMP1	NON_SYNONYMI-V->I	
chr5	78172581	78172581	Heterozygous	A	T	Novel	HTR1B	SYNONYMOUS_CODING	
chr5	79895003	79895004	Heterozygous	—	A	Novel	PHP	INTRONIC	
chr5	80628536	80628538	Heterozygous	T	G	Novel	ELOVL4	NON_SYNONYMI-K->T	
chr5	80775251	80775251	Heterozygous	T	C	Novel	ME1	INTRONIC	
chr5	83921871	83921871	Heterozygous	T	C	Novel	ME1	INTRONIC	
chr5	97728980	97728980	Heterozygous	C	T	Novel	C6orf187	INTRONIC	
chr5	100403813	100403813	Heterozygous	A	—	Novel	MCHR2	INTRONIC	
chr5	100403813	100403813	Heterozygous	A	—	Novel	MCHR2	INTRONIC	
chr5	105219748	105219749	Heterozygous	—	A	Novel	HACE1	INTRONIC	
chr5	105405220	105405221	Heterozygous	—	C	Novel	LN28B	INTRONIC	
chr5	105771566	105771566	Heterozygous	C	T				

Chromosome	Start	End	Zygoty	Reference	SNP Call	dSNP Match Category	Gene Symbol	Consequence	Amino Acid Change	Chromosome	Start	End	Zygoty	Reference	SNP Call	dSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr8	128150764	128150764	Heterozygous	T	C	Novel	THEMIS	NON_SYNONYMI->G		chr8	187585803	187585803	Homozygous	T	A	Novel	TCP10L2	INTRONIC	
chr8	128150764	128150764	Heterozygous	T	C	Novel	THEMIS	NON_SYNONYMI->G		chr8	188084692	188084693	Heterozygous	-	A	Novel		GENIC	
chr8	129588259	129588259	Heterozygous	G	T	Novel	LAMA2	NON_SYNONYMI->C		chr8	169619834	169619834	Heterozygous	T	A	Novel	THBS2	INTRONIC	
chr8	129588259	129588259	Heterozygous	G	T	Novel	LAMA2	NON_SYNONYMI->C		chr8	170115888	170115888	Heterozygous	A	-	Novel	PHF10	INTRONIC	
chr8	130505372	130505372	Heterozygous	A	G	Novel	SAMD3	INTRONIC		chr8	170115888	170115888	Heterozygous	A	-	Novel	PHF10	INTRONIC	
chr8	130505372	130505372	Heterozygous	A	G	Novel	SAMD3	INTRONIC		chr8	170871043	170871043	Heterozygous	G	A	Novel	TBP	SYNONYMOUS_CODING	
chr8	131936325	131936327	Heterozygous	TTT	----	Novel	MED23	INTRONIC		chr8	170871043	170871043	Heterozygous	G	A	Novel	TBP	SYNONYMOUS_CODING	
chr8	131936325	131936327	Heterozygous	TTT	----	Novel	MED23	INTRONIC		chr8	170871052	170871052	Heterozygous	G	A	Novel	TBP	SYNONYMOUS_CODING	
chr8	131948470	131948470	Heterozygous	A	-	Novel	MED23	INTRONIC		chr8	170871052	170871052	Heterozygous	G	A	Novel	TBP	SYNONYMOUS_CODING	
chr8	131948470	131948470	Heterozygous	A	-	Novel	MED23	INTRONIC		chr7	716832	716832	Heterozygous	C	T	Novel	PKAR1B	INTRONIC	
chr8	133094153	133094153	Heterozygous	G	A	Novel	C6orf192	NON_SYNONYMI->L		chr7	716832	716832	Heterozygous	C	T	Novel	PKAR1B	INTRONIC	
chr8	133783826	133783828	Heterozygous	TCT	----	Novel	EY4A	INTRONIC		chr7	716832	716832	Heterozygous	C	T	Novel	PKAR1B	INTRONIC	
chr8	133783826	133783828	Heterozygous	TCT	----	Novel	EY4A	INTRONIC		chr7	822224	822224	Heterozygous	C	T	Novel	HEATR2	INTRONIC	
chr8	133783826	133783828	Heterozygous	TCT	----	Novel	EY4A	INTRONIC		chr7	878560	878560	Heterozygous	G	A	Novel	SUN1	NON_SYNONYMI->D	
chr8	134638476	134638476	Heterozygous	A	G	Novel	SGK1	INTRONIC		chr7	878560	878560	Heterozygous	G	A	Novel	SUN1	NON_SYNONYMI->D	
chr8	135286439	135286439	Heterozygous	A	-	Novel	HBS1L	INTRONIC		chr7	878560	878560	Heterozygous	G	A	Novel	SUN1	NON_SYNONYMI->D	
chr8	135286439	135286439	Heterozygous	A	-	Novel	HBS1L	INTRONIC		chr7	878560	878560	Heterozygous	G	A	Novel	SUN1	NON_SYNONYMI->D	
chr8	135360610	135360610	Heterozygous	T	C	Novel	HBS1L	INTRONIC		chr7	878560	878560	Heterozygous	G	A	Novel	SUN1	NON_SYNONYMI->D	
chr8	135360610	135360610	Heterozygous	T	C	Novel	HBS1L	INTRONIC		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	135360610	135360610	Heterozygous	T	C	Novel	HBS1L	INTRONIC		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	136582143	136582143	Heterozygous	A	G	Novel	BCLAF1	3PRIME_UTR		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	136582143	136582143	Heterozygous	A	G	Novel	BCLAF1	3PRIME_UTR		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	136582143	136582143	Heterozygous	A	G	Novel	BCLAF1	3PRIME_UTR		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	136582143	136582143	Heterozygous	A	G	Novel	BCLAF1	3PRIME_UTR		chr7	882829	882829	Heterozygous	G	-	Novel	SUN1	INTRONIC	
chr8	136582194	136582195	Heterozygous	----	AAA	Novel	BCLAF1	3PRIME_UTR		chr7	2625925	2625925	Heterozygous	A	G	Novel	IQCE	NON_SYNONYMI->G	
chr8	136582194	136582195	Heterozygous	----	AAA	Novel	BCLAF1	3PRIME_UTR		chr7	2625925	2625925	Heterozygous	A	G	Novel	IQCE	NON_SYNONYMI->G	
chr8	136582194	136582195	Heterozygous	----	AAA	Novel	BCLAF1	3PRIME_UTR		chr7	2988195	2988195	Heterozygous	A	A	Novel	CARD11	INTRONIC	
chr8	139226191	139226191	Heterozygous	G	A	Novel	EGT2L	DOWNSTREAM		chr7	5239320	5239320	Heterozygous	A	-	Novel	WIPI2	INTRONIC	
chr8	139226191	139226191	Heterozygous	G	A	Novel	REPS1	3PRIME_UTR		chr7	5239320	5239320	Heterozygous	A	-	Novel	WIPI2	INTRONIC	
chr8	139226191	139226191	Heterozygous	G	A	Novel	REPS1	3PRIME_UTR		chr7	5239320	5239320	Heterozygous	A	-	Novel	WIPI2	INTRONIC	
chr8	142487319	142487319	Heterozygous	A	T	Novel	VT1A	INTRONIC		chr7	5239320	5239320	Heterozygous	A	-	Novel	WIPI2	INTRONIC	
chr8	142888811	142888811	Homozygous	C	T	Novel	GPR126	NON_SYNONYMI->M		chr7	5330436	5330436	Heterozygous	C	T	Novel	SLC28A4	SYNONYMOUS_CODING	
chr8	142888811	142888811	Homozygous	C	T	Novel	GPR126	NON_SYNONYMI->M		chr7	5330436	5330436	Heterozygous	C	T	Novel	SLC28A4	SYNONYMOUS_CODING	
chr8	142888811	142888811	Homozygous	C	T	Novel	GPR126	NON_SYNONYMI->M		chr7	6026384	6026384	Heterozygous	C	T	Novel	PMS2	SPICE_SITE	
chr8	142888811	142888811	Homozygous	C	T	Novel	GPR126	NON_SYNONYMI->M		chr7	6026384	6026384	Heterozygous	C	T	Novel	PMS2	SPICE_SITE	
chr8	142718738	142718738	Heterozygous	A	C	Novel	GPR126	INTRONIC		chr7	6037058	6037058	Heterozygous	A	-	Novel	PMS2	SPICE_SITE	
chr8	142718738	142718738	Heterozygous	A	C	Novel	GPR126	INTRONIC		chr7	6037058	6037058	Heterozygous	A	-	Novel	PMS2	SPICE_SITE	
chr8	142718738	142718738	Heterozygous	A	C	Novel	GPR126	INTRONIC		chr7	6037058	6037058	Heterozygous	A	-	Novel	PMS2	SPICE_SITE	
chr8	142718738	142718738	Heterozygous	A	C	Novel	GPR126	INTRONIC		chr7	6064471	6064471	Heterozygous	T	-	Novel	AIMP2	DOWNSTREAM	
chr8	142718738	142718738	Heterozygous	A	C	Novel	GPR126	INTRONIC		chr7	6064471	6064471	Heterozygous	T	-	Novel	EIF2AK1	INTRONIC	
chr8	143095351	143095351	Heterozygous	C	T	Novel	HIVEP2	SYNONYMOUS_CODING		chr7	6064471	6064471	Heterozygous	T	-	Novel	EIF2AK1	INTRONIC	
chr8	143382255	143382255	Heterozygous	GT	----	Novel	AIG1	INTRONIC		chr7	6066273	6066273	Heterozygous	G	C	Novel	EIF2AK1	INTRONIC	
chr8	144806804	144806804	Heterozygous	G	A	Novel	UTRN	SYNONYMOUS_CODING		chr7	6066273	6066273	Heterozygous	G	C	Novel	EIF2AK1	INTRONIC	
chr8	144837837	144837837	Heterozygous	C	A	Novel	UTRN	INTRONIC		chr7	6080854	6080854	Heterozygous	A	-	Novel	EIF2AK1	SPICE_SITE	
chr8	144837920	144837921	Heterozygous	-	T	Novel	UTRN	INTRONIC		chr7	6080854	6080854	Heterozygous	A	-	Novel	EIF2AK1	SPICE_SITE	
chr8	146267308	146267308	Heterozygous	G	T	Novel	SHPRH	INTRONIC		chr7	6179729	6179729	Heterozygous	T	C	Novel	USP42	INTRONIC	
chr8	146267308	146267308	Heterozygous	G	T	Novel	SHPRH	INTRONIC		chr7	6183960	6183960	Heterozygous	T	G	Novel	USP42	INTRONIC	
chr8	146875875	146875875	Heterozygous	C	T	Novel	RAB32	SYNONYMOUS_CODING		chr7	11030275	11030275	Heterozygous	T	-	Novel	PHF14	INTRONIC	
chr8	149691292	149691292	Heterozygous	T	-	Novel	LATS1	INTRONIC		chr7	11030275	11030275	Heterozygous	T	-	Novel	PHF14	INTRONIC	
chr8	149922946	149922946	Heterozygous	A	G	Novel	KATNA1	INTRONIC		chr7	11030275	11030275	Heterozygous	T	-	Novel	PHF14	INTRONIC	
chr8	149982884	149982884	Heterozygous	C	T	Novel	LATS1	NON_SYNONYMI->H		chr7	14775822	14775822	Heterozygous	G	-	Novel	DGKB	SPICE_SITE	
chr8	150390118	150390118	Heterozygous	C	T	Novel	ULBP3	EXONIC		chr7	14775822	14775822	Heterozygous	G	-	Novel	DGKB	SPICE_SITE	
chr8	151116898	151116898	Heterozygous	T	A	Novel	PLEKHG1	INTRONIC		chr7	14775822	14775822	Heterozygous	G	-	Novel	DGKB	SPICE_SITE	
chr8	151197203	151197203	Heterozygous	T	C	Novel	MTHFD1L	INTRONIC		chr7	15725798	15725798	Heterozygous	TGG	----	Novel	MEOX2	NON_SYNONYMI->L	
chr8	151870086	151870086	Heterozygous	A	G	Novel	AKAP12	NON_SYNONYMI->R		chr7	16502408	16502408	Heterozygous	T	A	Novel	SOSTDC1	NON_SYNONYMI->L	
chr8	151870086	151870086	Heterozygous	AGG	----	Novel	AKAP12	NON_SYNONYMI->R		chr7	16823022	16823022	Heterozygous	T	-	Novel	TSPAN13	INTRONIC	
chr8	151870330	151870332	Heterozygous	AGG	----	Novel	AKAP12	NON_SYNONYMI->R		chr7	18089081	18089081	Heterozygous	A	G	Novel	PRPS1L1	UPSTREAM	
chr8	152557349	152557349	Heterozygous	T	C	Novel	SYNE1	SYNONYMOUS_CODING		chr7	19184524	19184524	Heterozygous	A	A	Novel	FERO3L	SYNONYMOUS_CODING	
chr8	152557349	152557349	Heterozygous	T	C	Novel	SYNE1	SYNONYMOUS_CODING		chr7	19184761	19184761	Heterozygous	T	-	Novel	FERO3L	SYNONYMOUS_CODING	
chr8	152557349	152557349	Heterozygous	T	C	Novel	SYNE1	SYNONYMOUS_CODING		chr7	23195557	23195557	Homozygous	T	-	Novel	KLHL7	INTRONIC	
chr8	152557349	152557349	Heterozygous	T	C	Novel	SYNE1	SYNONYMOUS_CODING		chr7	23195557	23195557	Homozygous	T	-	Novel	KLHL7	INTRONIC	
chr8	152629773	152629773	Heterozygous	A	-	Novel	SYNE1	INTRONIC		chr7	23195557	23195557	Homozygous	T	-	Novel	KLHL7	INTRONIC	
chr8	152629773	152629773	Heterozygous	A	-	Novel	SYNE1	INTRONIC		chr7	23293120	23293120	Heterozygous	T	C	Novel	GNMNB	INTRONIC	
chr8	152629773	152629773	Heterozygous	A	-	Novel	SYNE1	INTRONIC		chr7	23293120	23293120	Heterozygous	T	C	Novel	GNMNB	INTRONIC	
chr8	152629773	152629773	Heterozygous	A	-	Novel	SYNE1	INTRONIC		chr7	23353379	23353379	Heterozygous	T	G	Novel	IGFBP3	INTRONIC	
chr8	157495952	157495952	Heterozygous	T	-	Novel	ARID1B	INTRONIC		chr7	24749819	24749819	Heterozygous	C	T	Novel	DFNA5	INTRONIC	
chr8	157495952	157495952	Heterozygous	T	-	Novel	ARID1B	INTRONIC		chr7	24749819	24749819	Heterozygous	C	T	Novel	DFNA5	INTRONIC	
chr8	157720997	157720997	Heterozygous	G	T	Novel	C6orf35	INTRONIC		chr7	24749819	24749819	Heterozygous	C	T	Novel	DFNA5	INTRONIC	
chr8	159462597	159462597	Heterozygous	T	C	Novel	TAGAP	INTRONIC		chr7	24789117	24789117	Heterozygous	A	-	Novel	DFNA5	INTRONIC	
chr8	159462597	159462597	Heterozygous	T	C	Novel	TAGAP	INTRONIC		chr7	24789117	24789117	Heterozygous	A	-	Novel	DFNA5	INTRONIC	
chr8	159462597	159462597	Heterozygous	T	C	Novel	TAGAP	INTRONIC		chr7	24789117	24789117	Heterozygous	A	-	Novel	DFNA5	INTRONIC	
chr8	160221740	160221740	Heterozygous	A	G	Novel	PNLDC1	5PRIME_UTR		chr7	28247985	28247985	Heterozygous	T	-	Novel	CBX3	INTRONIC	
chr8	160914016	160914016	Heterozygous	A	T	Novel	LPAL2	INTRONIC		chr7	28247985	28247985	Heterozygous	T	-	Novel	CB		

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr7	33297109	33297110	Heterozygous	CA	—	Novel	BB59	INTRONIC	
chr7	33297109	33297110	Heterozygous	CA	—	Novel	BB59	INTRONIC	
chr7	33297109	33297110	Heterozygous	CA	—	Novel	BB59	INTRONIC	
chr7	35284707	35284707	Heterozygous	T	C	Novel	TBX20	INTRONIC	
chr7	35284707	35284707	Heterozygous	T	C	Novel	TBX20	INTRONIC	
chr7	37780436	37780436	Heterozygous	G	A	Novel	GPR141	SYNONYMOUS_CODING	
chr7	37954042	37954042	Heterozygous	T	C	Novel	SFRP4	NON_SYNONYMI-M	
chr7	38284737	38284737	Heterozygous	T	C	Novel	GENIC		
chr7	38305142	38305142	Heterozygous	G	C	Novel	TARP	SYNONYMOUS_CODING	
chr7	38305142	38305142	Heterozygous	G	C	Novel	TARP	5PRIME_UTR	
chr7	38389410	38389410	Homozygous	G	C	Novel	GENIC		
chr7	38389410	38389410	Homozygous	A	G	Novel	GENIC		
chr7	38243942	38243942	Heterozygous	T	G	Novel	GENIC		
chr7	44012800	44012800	Heterozygous	G	T	Novel	POLR2J4	INTRONIC	
chr7	44507433	44507433	Heterozygous	A	C	Novel	NUDCD3	INTRONIC	
chr7	44735922	44735922	Heterozygous	T	G	Novel	OGDH	INTRONIC	
chr7	44735922	44735922	Heterozygous	T	G	Novel	OGDH	INTRONIC	
chr7	45776358	45776357	Heterozygous	-	T	Novel	SEPT7P2	INTRONIC	
chr7	47898222	47898223	Heterozygous	-	G	Novel	PKD1L1	INTRONIC	
chr7	48085498	48085498	Heterozygous	G	A	Novel	SUN3	NON_SYNONYMI->F	
chr7	48085498	48085498	Heterozygous	G	A	Novel	SUN3	NON_SYNONYMI->F	
chr7	48412113	48412114	Heterozygous	AA	-	Novel	ABCA13	INTRONIC	
chr7	48412113	48412114	Heterozygous	AA	-A	Novel	ABCA13	INTRONIC	
chr7	48567714	48567714	Heterozygous	A	G	Novel	ABCA13	INTRONIC	
chr7	48884186	48884188	Heterozygous	TTT	—	Novel	ABCA13	INTRONIC	
chr7	48884186	48884188	Heterozygous	TTT	-T	Novel	ABCA13	INTRONIC	
chr7	48884186	48884188	Heterozygous	TTT	-T	Novel	ABCA13	INTRONIC	
chr7	50571603	50571603	Heterozygous	G	A	Novel	DDC	INTRONIC	
chr7	50571603	50571603	Heterozygous	G	A	Novel	DDC	INTRONIC	
chr7	54610518	54610518	Heterozygous	T	C	Novel	VSTM2A	INTRONIC	
chr7	55883545	55883546	Heterozygous	—	CAAT	Novel	SEPT14	3PRIME_UTR	
chr7	63680133	63680133	Heterozygous	T	A	Novel	ZNF735	EXONIC	
chr7	63798823	63798823	Heterozygous	T	-	Novel	ZNF736	INTRONIC	
chr7	64169017	64169018	Heterozygous	-	A	Novel	ZNF107	FRAMESHIFT_CODING	
chr7	64169017	64169018	Heterozygous	-	A	Novel	ZNF107	FRAMESHIFT_CODING	
chr7	64275471	64275471	Heterozygous	T	-	Novel	ZNF138	INTRONIC	
chr7	64275471	64275471	Heterozygous	T	-	Novel	ZNF138	INTRONIC	
chr7	64275471	64275471	Heterozygous	T	-	Novel	ZNF138	INTRONIC	
chr7	64275471	64275471	Heterozygous	T	-	Novel	ZNF138	INTRONIC	
chr7	65444359	65444360	Heterozygous	—	GA	Novel	GUSB	INTRONIC	
chr7	66703568	66703568	Heterozygous	G	T	Novel	TYW1	3PRIME_UTR	
chr7	70236520	70236520	Heterozygous	C	T	Novel	AUTS2	INTRONIC	
chr7	70236520	70236520	Heterozygous	C	T	Novel	AUTS2	INTRONIC	
chr7	72413618	72413618	Heterozygous	T	C	Novel	POM121	NON_SYNONYMI->T	
chr7	72413649	72413649	Heterozygous	G	A	Novel	POM121	SYNONYMOUS_CODING	
chr7	72413667	72413667	Heterozygous	A	C	Novel	POM121	SYNONYMOUS_CODING	
chr7	73638035	73638035	Heterozygous	A	G	Novel	LAT2	INTRONIC	
chr7	73638035	73638035	Heterozygous	A	G	Novel	LAT2	INTRONIC	
chr7	73638035	73638035	Heterozygous	A	G	Novel	LAT2	INTRONIC	
chr7	73731906	73731906	Heterozygous	C	T	Novel	CLIP2	SYNONYMOUS_CODING	
chr7	73731906	73731906	Heterozygous	C	T	Novel	CLIP2	SYNONYMOUS_CODING	
chr7	73800945	73800945	Heterozygous	C	T	Novel	CLIP2	INTRONIC	
chr7	73800945	73800945	Heterozygous	C	T	Novel	CLIP2	INTRONIC	
chr7	73973439	73973439	Heterozygous	A	-	Novel	GTF2IRD1	INTRONIC	
chr7	73973439	73973439	Heterozygous	A	-	Novel	GTF2IRD1	INTRONIC	
chr7	75123393	75123393	Heterozygous	G	A	Novel	SPDYE5	UPSTREAM	
chr7	76239503	76239504	Heterozygous	-	C	Novel	POMZP3	3PRIME_UTR	
chr7	76239503	76239504	Heterozygous	-	C	Novel	POMZP3	3PRIME_UTR	
chr7	76631531	76631531	Heterozygous	G	A	Novel	PMS2L11	EXONIC	
chr7	77584159	77584160	Heterozygous	-	T	Novel	PHTF2	INTRONIC	
chr7	77584159	77584160	Heterozygous	-	T	Novel	PHTF2	INTRONIC	
chr7	77584159	77584160	Heterozygous	-	T	Novel	PHTF2	INTRONIC	
chr7	86468516	86468516	Heterozygous	C	T	Novel	GRM3	SYNONYMOUS_CODING	
chr7	86802804	86802805	Heterozygous	—	TTTTG	Novel	DMTF1	INTRONIC	
chr7	86802804	86802805	Heterozygous	—	TTTTG	Novel	DMTF1	INTRONIC	
chr7	86802804	86802805	Heterozygous	—	TTTTG	Novel	DMTF1	INTRONIC	
chr7	86802804	86802805	Heterozygous	—	TTTTG	Novel	DMTF1	INTRONIC	
chr7	86802804	86802805	Heterozygous	—	TTTTG	Novel	DMTF1	INTRONIC	
chr7	86988663	86988663	Heterozygous	T	C	Novel	CROT	INTRONIC	
chr7	86988663	86988663	Heterozygous	T	C	Novel	CROT	EXONIC	
chr7	86988663	86988663	Heterozygous	T	C	Novel	CROT	EXONIC	
chr7	87526550	87526551	Heterozygous	A	C	Novel	DBF4	INTRONIC	
chr7	87774407	87774407	Heterozygous	A	G	Novel	ADAM22	INTRONIC	
chr7	87774407	87774407	Heterozygous	A	G	Novel	ADAM22	INTRONIC	
chr7	87774407	87774407	Heterozygous	A	G	Novel	ADAM22	INTRONIC	
chr7	87774407	87774407	Heterozygous	A	G	Novel	ADAM22	INTRONIC	

Chromosome	Start	End	Zygosity	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr7	87774407	87774407	Heterozygous	A	G	Novel	ADAM22	INTRONIC	
chr7	87778243	87778244	Heterozygous	-	T	Novel	ADAM22	INTRONIC	
chr7	87778243	87778244	Heterozygous	-	T	Novel	ADAM22	INTRONIC	
chr7	87778243	87778244	Heterozygous	-	T	Novel	ADAM22	INTRONIC	
chr7	87778243	87778244	Heterozygous	-	T	Novel	ADAM22	INTRONIC	
chr7	87778243	87778244	Heterozygous	-	T	Novel	ADAM22	INTRONIC	
chr7	89867479	89867479	Heterozygous	C	T	Novel	STEAP2	DOWNSTREAM	
chr7	89867479	89867479	Heterozygous	C	T	Novel	STEAP2	DOWNSTREAM	
chr7	89867479	89867479	Heterozygous	C	T	Novel	STEAP2	DOWNSTREAM	
chr7	90894459	90894460	Heterozygous	—	CCG	Novel	FZD1	NON_SYNONYMOUS_CODING	
chr7	91761050	91761051	Heterozygous	-	T	Novel	CYP51A1	INTRONIC	
chr7	91761050	91761051	Heterozygous	-	T	Novel	CYP51A1	INTRONIC	
chr7	91774425	91774425	Heterozygous	T	C	Novel	LOC401387	INTRONIC	
chr7	91793287	91793287	Heterozygous	G	C	Novel	LOC401387	SYNONYMOUS_CODING	
chr7	91924406	91924406	Heterozygous	A	C	Novel	ANKIB1	SYNONYMOUS_CODING	
chr7	92784432	92784432	Heterozygous	G	A	Novel	SAMD9L	NON_SYNONYMI->W	
chr7	93633627	93633627	Heterozygous	C	T	Novel	BET1	5PRIME_UTR	
chr7	94056847	94056847	Heterozygous	C	-	Novel	COL1A2	INTRONIC	
chr7	94183941	94183941	Heterozygous	G	A	Novel	CASD1	INTRONIC	
chr7	95221928	95221928	Heterozygous	A	-	Novel	PKD4	INTRONIC	
chr7	95775776	95775777	Heterozygous	-	A	Novel	SLC25A13	INTRONIC	
chr7	95775776	95775777	Heterozygous	-	A	Novel	SLC25A13	INTRONIC	
chr7	95775776	95775777	Heterozygous	-	A	Novel	SLC25A13	INTRONIC	
chr7	95775849	95775849	Heterozygous	A	-	Novel	SLC25A13	INTRONIC	
chr7	95775849	95775849	Heterozygous	A	-	Novel	SLC25A13	INTRONIC	
chr7	95775849	95775849	Heterozygous	A	-	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	—	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	-A	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	—	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	-A	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	—	Novel	SLC25A13	INTRONIC	
chr7	95818865	95818866	Heterozygous	AA	-A	Novel	SLC25A13	INTRONIC	
chr7	98115477	98115478	Heterozygous	-	T	Novel	GENIC		
chr7	97937272	97937272	Heterozygous	T	A	Novel	BAIAP2L1	INTRONIC	
chr7	98636204	98636204	Heterozygous	T	C	Novel	SMURF1	INTRONIC	
chr7	98636204	98636204	Heterozygous	T	C	Novel	SMURF1	INTRONIC	
chr7	98649756	98649756	Heterozygous	A	-	Novel	SMURF1	INTRONIC	
chr7	98649756	98649756	Heterozygous	A	-	Novel	SMURF1	INTRONIC	
chr7	99662136	99662136	Heterozygous	G	A	Novel	ZSCAN21	NON_SYNONYMI->R	
chr7	99662136	99662136	Heterozygous	G	A	Novel	ZNF3	3PRIME_UTR	
chr7	100034050	100034050	Heterozygous	G	A	Novel	Torf47	5PRIME_UTR	
chr7	100153102	100153102	Heterozygous	A	C	Novel	ACGF2	INTRONIC	
chr7	100371476	100371477	Homozygous	-	G	Novel	ZAN	EXONIC	
chr7	100371476	100371477	Homozygous	-	G	Novel	ZAN	EXONIC	
chr7	100389789	100389789	Heterozygous	A	C	Novel	ZAN	INTRONIC	
chr7	100389789	100389789	Heterozygous	A	C	Novel	ZAN	INTRONIC	
chr7	100643843	100643843	Heterozygous	G	A	Novel	MUC12	SYNONYMOUS_CODING	
chr7	100645731	100645731	Heterozygous	G	A	Novel	MUC12	NON_SYNONYMI->K	
chr7	100731925	100731925	Homozygous	C	T	Novel	TRIM56	SYNONYMOUS_CODING	
chr7	100896059	100896059	Heterozygous	—	AGGC	Novel	ZNHT1	SPICE_SITE	
chr7	101128481	101128481	Heterozygous	T	-	Novel	EMID2	INTRONIC	
chr7	101877468	101877468	Heterozygous	C	T	Novel	CUX1	INTRONIC	
chr7	101877468	101877468	Heterozygous	C	T	Novel	CUX1	SYNONYMOUS_CODING	
chr7	101877468	101877468	Heterozygous	C	T	Novel	CUX1	INTRONIC	
chr7	101877468	101877468	Heterozygous	C	T	Novel	CUX1	INTRONIC	
chr7	102212880	102212880	Heterozygous	G	C	Novel	POLR2J3	INTRONIC	
chr7	102212939	102212939	Heterozygous	G	C	Novel	POLR2J3	NON_SYNONYMI->L	
chr7	102518914	102518914	Heterozygous	A	G	Novel	FBXL13	INTRONIC	
chr7	102518914	102518914	Heterozygous	A	G	Novel	FBXL13	INTRONIC	
chr7	102727052	102727052	Heterozygous	T	-	Novel	ARMC10	INTRONIC	
chr7	102727052	102727052	Heterozygous	T	-	Novel	ARMC10	INTRONIC	
chr7	102727052	102727052	Heterozygous	T	-	Novel	ARMC10	INTRONIC	
chr7	102727052	102727052	Heterozygous	T	-	Novel	ARMC10	INTRONIC	
chr7	102727052	102727052	Heterozygous	T	-	Novel	ARMC10	INTRONIC	
chr7	103038295	103038295	Heterozygous	T	C	Nov			

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr7	107576173	107576173	Heterozygous T	-	C	Novel	LAMB1	INTRONIC	
chr7	107821306	107821306	Heterozygous T	-	-	Novel	LAMB1	INTRONIC	
chr7	107817110	107817111	Heterozygous -	-	A	Novel	NRCAM	INTRONIC	
chr7	107817110	107817111	Heterozygous -	-	A	Novel	NRCAM	INTRONIC	
chr7	107817110	107817111	Heterozygous -	-	A	Novel	NRCAM	INTRONIC	
chr7	107817110	107817111	Heterozygous -	-	A	Novel	NRCAM	INTRONIC	
chr7	107817110	107817111	Heterozygous -	-	A	Novel	NRCAM	INTRONIC	
chr7	114563517	114563517	Heterozygous T	-	A	Novel	MDFIG	INTRONIC	
chr7	114563517	114563517	Heterozygous T	-	A	Novel	MDFIG	NON_SYNONYML->H	
chr7	114563517	114563517	Heterozygous T	-	A	Novel	MDFIG	INTRONIC	
chr7	115892595	115892595	Heterozygous T	-	C	Novel	TES	INTRONIC	
chr7	115892595	115892595	Heterozygous T	-	C	Novel	TES	INTRONIC	
chr7	124475296	124475297	Heterozygous -	-	AAACA	Novel	POT1	INTRONIC	
chr7	124475296	124475297	Heterozygous -	-	AAACA	Novel	POT1	INTRONIC	
chr7	124475296	124475297	Heterozygous -	-	AAACA	Novel	POT1	INTRONIC	
chr7	124475296	124475297	Heterozygous -	-	AAACA	Novel	POT1	INTRONIC	
chr7	124475296	124475297	Heterozygous -	-	AAACA	Novel	POT1	INTRONIC	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	EXONIC	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	SYNONYMOUS_CODING	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	EXONIC	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	EXONIC	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	EXONIC	
chr7	124482947	124482947	Heterozygous T	-	C	Novel	POT1	SYNONYMOUS_CODING	
chr7	124537278	124537281	Heterozygous AAAAG	-	----	Novel	POT1	INTRONIC	
chr7	124537278	124537281	Heterozygous AAAAG	-	----	Novel	POT1	INTRONIC	
chr7	124537278	124537281	Heterozygous AAAAG	-	----	Novel	POT1	INTRONIC	
chr7	124537278	124537281	Heterozygous AAAAG	-	----	Novel	POT1	INTRONIC	
chr7	124537278	124537281	Heterozygous AAAAG	-	----	Novel	POT1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128035131	128035131	Heterozygous C	-	-	Novel	IMPDH1	INTRONIC	
chr7	128312541	128312541	Heterozygous G	-	T	Novel	FAM71F2	SYNONYMOUS_CODING	
chr7	128312541	128312541	Heterozygous G	-	T	Novel	FAM71F2	SYNONYMOUS_CODING	
chr7	128315672	128315673	Heterozygous -	-	TTC	Novel	FAM71F2	INTRONIC	
chr7	128315672	128315673	Heterozygous -	-	TTC	Novel	FAM71F2	INTRONIC	
chr7	128317932	128317933	Heterozygous TG	-	---	Novel	FAM71F2	INTRONIC	
chr7	128317932	128317933	Heterozygous TG	-	---	Novel	FAM71F2	INTRONIC	
chr7	128413998	128413998	Heterozygous T	-	-	Novel	OPN1SW	INTRONIC	
chr7	128482294	128482294	Heterozygous G	-	A	Novel	FLNC	NON_SYNONYMG->S	
chr7	128482294	128482294	Heterozygous G	-	A	Novel	FLNC	NON_SYNONYMG->S	
chr7	129592276	129592276	Heterozygous G	-	-	Novel	UBE2H	INTRONIC	
chr7	129592276	129592276	Heterozygous G	-	-	Novel	UBE2H	INTRONIC	
chr7	132755062	132755062	Heterozygous T	-	C	Novel	CHCHD3	INTRONIC	
chr7	133041032	133041032	Heterozygous G	-	T	Novel	EXOC4	INTRONIC	
chr7	133041032	133041032	Heterozygous G	-	T	Novel	EXOC4	INTRONIC	
chr7	137294228	137294228	Heterozygous A	-	G	Novel	DGKI	INTRONIC	
chr7	138189190	138189190	Heterozygous C	-	T	Novel	TRIM24	INTRONIC	
chr7	138189190	138189190	Heterozygous C	-	T	Novel	TRIM24	INTRONIC	
chr7	138417596	138417597	Heterozygous -	-	A	Novel	ATP8V0A4	INTRONIC	
chr7	138417596	138417597	Heterozygous -	-	A	Novel	ATP8V0A4	INTRONIC	
chr7	138417596	138417597	Heterozygous -	-	A	Novel	ATP8V0A4	INTRONIC	
chr7	138957241	138957244	Heterozygous TATG	-	----	Novel	UBN2	INTRONIC	
chr7	139416537	139416537	Heterozygous G	-	A	Novel	GENIC		
chr7	139796765	139796765	Heterozygous G	-	T	Novel	JHDM1D	NON_SYNONYMS->Y	
chr7	140395531	140395531	Heterozygous G	-	C	Novel	ADCK2	DOWNSTREAM	
chr7	140395531	140395531	Heterozygous G	-	C	Novel	LOG1001347	EXONIC	
chr7	140395531	140395531	Heterozygous G	-	C	Novel	NDUF2	UPSTREAM	
chr7	141708470	141708470	Heterozygous C	-	T	Novel	MGAM	STOP_GAINED_R->Stop	
chr7	141719233	141719233	Heterozygous A	-	T	Novel	MGAM	INTRONIC	
chr7	141759229	141759229	Heterozygous C	-	T	Novel	MGAM	INTRONIC	
chr7	141895945	141895945	Heterozygous T	-	-	Novel	LOC1001246	INTRONIC	
chr7	141896832	141896832	Heterozygous G	-	A	Novel	LOC1001246	INTRONIC	
chr7	141899860	141899861	Heterozygous -	-	T	Novel	LOC1001246	INTRONIC	
chr7	141946852	141946852	Homozygous G	-	A	Novel	GENIC		
chr7	141971083	141971083	Homozygous A	-	C	Novel	GENIC		
chr7	142139271	142139272	Homozygous TG	-	CA	Novel	GENIC		
chr7	142139277	142139277	Heterozygous G	-	T	Novel	GENIC		
chr7	142149349	142149349	Homozygous A	-	C	Novel	GENIC		
chr7	142334567	142334567	Heterozygous T	-	C	Novel	GENIC		
chr7	142334606	142334606	Heterozygous G	-	A	Novel	GENIC		
chr7	142379096	142379096	Heterozygous T	-	C	Novel	GENIC		
chr7	142460261	142460261	Homozygous T	-	A	Novel	PRS21	INTRONIC	
chr7	142471799	142471799	Heterozygous T	-	C	Novel	GENIC		
chr7	142471805	142471805	Heterozygous A	-	C	Novel	GENIC		

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr7	142630638	142630638	Heterozygous T	-	C	Novel	TRPV5	SPRIME_UTR	
chr7	142658741	142658741	Heterozygous C	-	A	Novel	KEL	INTRONIC	
chr7	142658738	142658738	Heterozygous C	-	-	Novel	GENIC		
chr7	144207813	144207813	Heterozygous C	-	T	Novel	GENIC		
chr7	148050865	148050865	Heterozygous G	-	A	Novel	CNTNAP2	SYNONYMOUS_CODING	
chr7	148700818	148700818	Heterozygous C	-	T	Novel	PDJ4	SPRIME_UTR	
chr7	150489244	150489244	Heterozygous C	-	T	Novel	LOC1001285	DOWNSTREAM	
chr7	150489244	150489244	Heterozygous C	-	T	Novel	TMEM176B	NON_SYNONYMR->H	
chr7	150489244	150489244	Heterozygous C	-	T	Novel	TMEM176B	NON_SYNONYMR->H	
chr7	150489244	150489244	Heterozygous C	-	T	Novel	TMEM176B	NON_SYNONYMR->H	
chr7	150489244	150489244	Heterozygous C	-	T	Novel	TMEM176B	NON_SYNONYMR->H	
chr7	150918587	150918587	Heterozygous T	-	-	Novel	ABCF2	INTRONIC	
chr7	150918587	150918587	Heterozygous T	-	-	Novel	ABCF2	INTRONIC	
chr7	151843868	151843868	Heterozygous -	-	A	Novel	MLL3	INTRONIC	
chr7	151882623	151882624	Heterozygous AG	-	---	Novel	MLL3	INTRONIC	
chr7	151933181	151933181	Heterozygous C	-	G	Novel	MLL3	INTRONIC	
chr7	151945071	151945072	Heterozygous -	-	T	Novel	MLL3	FRAMESHIFT_CODING	
chr7	151971053	151971053	Heterozygous A	-	-	Novel	MLL3	INTRONIC	
chr7	158415690	158415690	Heterozygous T	-	A	Novel	GENIC		
chr7	158441259	158441259	Heterozygous C	-	G	Novel	NCAPG2	INTRONIC	
chr7	158441529	158441529	Heterozygous T	-	C	Novel	NCAPG2	INTRONIC	
chr7	158441571	158441571	Heterozygous T	-	C	Novel	NCAPG2	INTRONIC	
chr8	1874593	1874593	Heterozygous C	-	A	Novel	ARGHEF10	SYNONYMOUS_CODING	
chr8	2033459	2033459	Heterozygous G	-	T	Novel	MYOM2	SYNONYMOUS_CODING	
chr8	6302541	6302541	Heterozygous C	-	A	Novel	MCPH1	NON_SYNONYMS->Y	
chr8	6302541	6302541	Heterozygous C	-	A	Novel	MCPH1	NON_SYNONYMS->Y	
chr8	6302541	6302541	Heterozygous C	-	A	Novel	MCPH1	NON_SYNONYMS->Y	
chr8	6605218	6605218	Homozygous T	-	G	Novel	AGPAT5	INTRONIC	
chr8	6605218	6605218	Homozygous A	-	T	Novel	AGPAT5	SYNONYMOUS_CODING	
chr8	9588577	9588577	Homozygous A	-	G	Novel	TNKS	INTRONIC	
chr8	9912220	9912220	Homozygous C	-	A	Novel	MSRA	INTRONIC	
chr8	9912220	9912220	Homozygous C	-	A	Novel	MSRA	INTRONIC	
chr8	10532182	10532182	Homozygous C	-	G	Novel	C8orf74	NON_SYNONYMG->E	
chr8	12042865	12042865	Heterozygous G	-	-	Novel	FAM86B1	INTRONIC	
chr8	12042865	12042865	Heterozygous G	-	-	Novel	FAM86B1	INTRONIC	
chr8	16921560	16921560	Heterozygous A	-	G	Novel	EFHA2	INTRONIC	
chr8	174011169	174011169	Heterozygous C	-	T	Novel	SLC7A2	SYNONYMOUS_CODING	
chr8	174011169	174011169	Heterozygous C	-	T	Novel	SLC7A2	SYNONYMOUS_CODING	
chr8	17406368	17406368	Heterozygous T	-	-	Novel	SLC7A2	INTRONIC	
chr8	17406368	17406368	Heterozygous T	-	-	Novel	SLC7A2	INTRONIC	
chr8	17446895	17446895	Homozygous A	-	-	Novel	PDGFRL	INTRONIC	
chr8	20072542	20072542	Heterozygous A	-	G	Novel	ATP9V1B2	INTRONIC	
chr8	21768381	21768381	Heterozygous AGAG	-	----	Novel	DDK2	INTRONIC	
chr8	22463159	22463159	Heterozygous G	-	T	Novel	C8orf58	DOWNSTREAM	
chr8	22463159	22463159	Heterozygous G	-	T	Novel	KIAA1967	INTRONIC	
chr8	22463159	22463159	Heterozygous G	-	T	Novel	KIAA1967	INTRONIC	
chr8	22464872	22464872	Heterozygous A	-	T	Novel	KIAA1967	INTRONIC	
chr8	22464872	22464872	Heterozygous A	-	T	Novel	KIAA1967	INTRONIC	
chr8	22472960	22472960	Heterozygous T	-	C	Novel	KIAA1967	EXONIC	
chr8	22472960	22472960	Heterozygous T	-	C	Novel	KIAA1967	NON_SYNONYMR->H	
chr8	22481976	22481976	Heterozygous C	-	T	Novel	BIN3	INTRONIC	
chr8	22502372	22502372	Heterozygous C	-	T	Novel	BIN3	INTRONIC	
chr8	22974370	22974370	Heterozygous G	-	A	Novel	TNFRSF10C	SYNONYMOUS_CODING	
chr8	24810483	24810483	Heterozygous C	-	T	Novel	NEFL	EXONIC	
chr8	25200059	25200059	Heterozygous A	-	G	Novel	DOCK5	INTRONIC	
chr8	25247822	25247822	Heterozygous A	-	-	Novel	DOCK5	INTRONIC	
chr8	25897666	25897666	Heterozygous G	-	C	Novel	EBF2	INTRONIC	
chr8	26869311	26869311	Heterozygous G	-	C	Novel	GENIC		
chr8	26869323	26869323	Heterozygous C	-	T	Novel	GENIC		
chr8	27668678	27668678	Heterozygous G	-	-	Novel	PBK	INTRONIC	
chr8	29053762	29053762	Heterozygous A	-	-	Novel	KIF13B	INTRONIC	
chr8	30933849	30933849	Heterozygous A	-	-				

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr8	39506081	39506081	Heterozygous T	—	C	Novel	ADAM18	INTRONIC	
chr8	39613315	39613315	Heterozygous —	TT	T	Novel	ADAM2	FRAMESHIFT_CODING	
chr8	41615739	41615739	Heterozygous A	—	C	Novel	ANK1	INTRONIC	
chr8	41615739	41615739	Heterozygous A	—	C	Novel	ANK1	INTRONIC	
chr8	41615739	41615739	Heterozygous A	—	C	Novel	ANK1	INTRONIC	
chr8	41615739	41615739	Heterozygous A	—	C	Novel	ANK1	INTRONIC	
chr8	41615739	41615739	Heterozygous A	—	C	Novel	ANK1	INTRONIC	
chr8	41794797	41794799	Heterozygous TCT	—	—	Novel	MYST3	NON_SYNONYMOUS_CODING	
chr8	41794797	41794799	Heterozygous TCT	—	—	Novel	MYST3	NON_SYNONYMOUS_CODING	
chr8	41794797	41794799	Heterozygous TCT	—	—	Novel	MYST3	NON_SYNONYMOUS_CODING	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42177044	42177044	Heterozygous C	—	T	Novel	IKBK8	INTRONIC	
chr8	42798395	42798395	Heterozygous T	—	—	Novel	HOOK3	INTRONIC	
chr8	43002053	43002053	Heterozygous T	—	—	Novel	HGSNAT	INTRONIC	
chr8	5668879	5668879	Heterozygous A	—	G	Novel	TMEM88	SYNONYMOUS_CODING	
chr8	59501283	59501283	Heterozygous C	—	A	Novel	NSMAF	INTRONIC	
chr8	59501283	59501283	Heterozygous C	—	A	Novel	NSMAF	INTRONIC	
chr8	59535859	59535861	Heterozygous —TT	CGAA	—	Novel	NSMAF	INTRONIC	
chr8	59535859	59535861	Heterozygous —TT	CGAA	—	Novel	NSMAF	INTRONIC	
chr8	70538515	70538516	Heterozygous —	—	A	Novel	SULF1	INTRONIC	
chr8	70538515	70538516	Heterozygous —	—	A	Novel	SULF1	INTRONIC	
chr8	70538515	70538516	Heterozygous —	—	A	Novel	SULF1	INTRONIC	
chr8	70538515	70538516	Heterozygous —	—	A	Novel	SULF1	INTRONIC	
chr8	72211437	72211437	Heterozygous C	—	A	Novel	EYA1	NON_SYNONYMIQ->V	
chr8	72211437	72211437	Heterozygous C	—	A	Novel	EYA1	NON_SYNONYMIQ->V	
chr8	72211437	72211437	Heterozygous C	—	A	Novel	EYA1	NON_SYNONYMIQ->V	
chr8	72211437	72211437	Heterozygous C	—	A	Novel	EYA1	NON_SYNONYMIQ->V	
chr8	72211437	72211437	Heterozygous C	—	A	Novel	EYA1	NON_SYNONYMIQ->V	
chr8	72969979	72969979	Heterozygous T	—	A	Novel	LOC10013281	DOWNSTREAM	
chr8	72969979	72969979	Heterozygous T	—	A	Novel	LOC10013281	DOWNSTREAM	
chr8	72969979	72969979	Heterozygous T	—	A	Novel	TRPA1	NON_SYNONYMIQ->Y	
chr8	74898836	74898837	Heterozygous —	—	T	Novel	TMEM70	DOWNSTREAM	
chr8	74898836	74898837	Heterozygous —	—	T	Novel	TMEM70	DOWNSTREAM	
chr8	74898836	74898837	Heterozygous —	—	T	Novel	TMEM70	DOWNSTREAM	
chr8	78629738	78629738	Heterozygous C	—	A	Novel	FAM164A	3PRIME_UTR	
chr8	80831394	80831394	Heterozygous A	—	—	Novel	MRPS28	INTRONIC	
chr8	82355738	82355738	Heterozygous A	—	G	Novel	PMP2	INTRONIC	
chr8	91929653	91929653	Heterozygous A	—	—	Novel	NECAB1	INTRONIC	
chr8	92189542	92189542	Heterozygous C	—	T	Novel	LRR089	INTRONIC	
chr8	95206774	95206774	Heterozygous A	—	G	Novel	CDH17	INTRONIC	
chr8	95206774	95206774	Heterozygous A	—	G	Novel	CDH17	INTRONIC	
chr8	95547005	95547006	Heterozygous —	—	T	Novel	KIAA1429	INTRONIC	
chr8	95547005	95547006	Heterozygous —	—	T	Novel	KIAA1429	INTRONIC	
chr8	95861786	95861786	Heterozygous T	—	—	Novel	INTS8	INTRONIC	
chr8	98047806	98047807	Heterozygous —	—	A	Novel	C8orf38	ESSENTIAL_SPLICE_SITE	
chr8	98712108	98712108	Heterozygous T	—	—	Novel	MTDH	INTRONIC	
chr8	99042892	99042893	Heterozygous —	—	T	Novel	MATN2	INTRONIC	
chr8	99042892	99042893	Heterozygous —	—	T	Novel	MATN2	INTRONIC	
chr8	99055037	99055037	Heterozygous C	—	T	Novel	RPL30	INTRONIC	
chr8	99055037	99055037	Heterozygous C	—	T	Novel	SNORA72	UPSTREAM	
chr8	100287518	100287518	Heterozygous T	—	—	Novel	VPS13B	INTRONIC	
chr8	100287518	100287518	Heterozygous T	—	—	Novel	VPS13B	INTRONIC	
chr8	100514125	100514128	Heterozygous TCCC	—	—	Novel	VPS13B	INTRONIC	
chr8	100514125	100514128	Heterozygous TCCC	—	—	Novel	VPS13B	INTRONIC	
chr8	100514154	100514154	Heterozygous C	—	T	Novel	VPS13B	INTRONIC	
chr8	100514154	100514154	Heterozygous C	—	T	Novel	VPS13B	INTRONIC	
chr8	101237471	101237471	Heterozygous C	—	T	Novel	SPAG1	NON_SYNONYMIQ->S	
chr8	101237471	101237471	Heterozygous C	—	T	Novel	SPAG1	NON_SYNONYMIQ->S	
chr8	106573525	106573525	Heterozygous A	—	—	Novel	ZFPM2	INTRONIC	
chr8	116616281	116616281	Heterozygous C	—	T	Novel	TRPS1	NON_SYNONYMIQ->I	
chr8	117954966	117954966	Heterozygous G	—	A	Novel	C8orf85	3PRIME_UTR	
chr8	120428892	120428892	Heterozygous T	—	G	Novel	NOV	INTRONIC	
chr8	121530385	121530386	Heterozygous TT	—	—	Novel	MTBP	INTRONIC	
chr8	124358592	124358592	Heterozygous T	—	C	Novel	ATAD2	INTRONIC	
chr8	126068846	126068846	Heterozygous T	—	G	Novel	KIAA0196	INTRONIC	
chr8	130763857	130763857	Heterozygous C	—	A	Novel	GSDMC	INTRONIC	
chr8	131200298	131200299	Heterozygous —	—	—	Novel	ASAP1	INTRONIC	
chr8	132966046	132966046	Heterozygous T	—	—	Novel	EFR3A	INTRONIC	
chr8	133146498	133146498	Heterozygous T	—	C	Novel	KCNQ3	INTRONIC	
chr8	133769555	133769556	Heterozygous GA	—	—	Novel	TMEM71	INTRONIC	
chr8	133769555	133769556	Heterozygous GA	—	—	Novel	TMEM71	INTRONIC	
chr8	133978702	133978703	Heterozygous TC	—	TG	Novel	TG	INTRONIC	
chr8	133978702	133978703	Heterozygous TC	—	—	Novel	TG	INTRONIC	
chr8	134062271	134062271	Heterozygous T	—	G	Novel	TG	INTRONIC	

Chromosome	Start	End	Zygoty	Reference	SNP Call	dbSNP Match Category	Gene Symbol	Consequence	Amino Acid Change
chr8	134062271	134062271	Heterozygous T	—	G	Novel	SLA	INTRONIC	
chr8	134062271	134062271	Heterozygous T	—	G	Novel	SLA	INTRONIC	
chr8	134062271	134062271	Heterozygous T	—	G	Novel	SLA	INTRONIC	
chr8	135815238	135815238	Heterozygous A	—	G	Novel	ZFAT	INTRONIC	
chr8	135815238	135815238	Heterozygous A	—	G	Novel	ZFAT	INTRONIC	
chr8	135815238	135815238	Heterozygous A	—	G	Novel	ZFAT	INTRONIC	
chr8	135815238	135815238	Heterozygous A	—	G	Novel	ZFAT	INTRONIC	
chr8	135815238	135815238	Heterozygous A	—	G	Novel	ZFAT	INTRONIC	
chr8	139991996	139991999	Heterozygous GTTA	—	—	Novel	COL22A1	INTRONIC	
chr8	140631358	140631358	Heterozygous G	—	A	Novel	KCNK9	INTRONIC	
chr8	141749052	141749053	Heterozygous —	—	T	Novel	PTK2	INTRONIC	
chr8	141749052	141749053	Heterozygous —	—	T	Novel	PTK2	INTRONIC	
chr8	142228210	142228210	Heterozygous C	—	T	Novel	SLC45A4	NON_SYNONYMIQ->Q	
chr8	143832508	143832508	Heterozygous C	—	T	Novel	LYPD2	NON_SYNONYMIQ->K	
chr8	144886269	144886269	Heterozygous C	—	T	Novel	SCRIB	NON_SYNONYMIQ->N	
chr8	144886269	144886269	Heterozygous C	—	T	Novel	SCRIB	NON_SYNONYMIQ->N	
chr8	144940290	144940290	Heterozygous C	—	G	Novel	EPK1	NON_SYNONYMIQ->H	
chr8	144940331	144940331	Heterozygous C	—	T	Novel	EPK1	NON_SYNONYMIQ->Q	
chr8	145623881	145623881	Heterozygous C	—	T	Novel	OPSF1	INTRONIC	
chr8	145685903	145685903	Heterozygous C	—	T	Novel	NFKBIL2	INTRONIC	
chr8	145889777	145889777	Heterozygous G	—	C	Novel	CYHR1	SYNONYMOUS_CODING	
chr8	145889777	145889777	Heterozygous G	—	C	Novel	CYHR1	INTRONIC	
chr8	145889777	145889777	Heterozygous G	—	C	Novel	CYHR1	SYNONYMOUS_CODING	
chr8	145889777	145889777	Heterozygous G	—	C	Novel	KIFC2	UPSTREAM	
chr8	148158251	148158251	Heterozygous C	—	T	Novel	ZNF18	NON_SYNONYMIQ->H	
chr8	148158251	148158251	Heterozygous C	—	T	Novel	ZNF18	NON_SYNONYMIQ->H	
chr8	163928	163928	Heterozygous A	—	—	Novel	CBWD1	INTRONIC	
chr8	163928	163928	Heterozygous A	—	—	Novel	CBWD1	INTRONIC	
chr8	163928	163928	Heterozygous A	—	—	Novel	CBWD1	INTRONIC	
chr8	399267	399268	Heterozygous —	—	C	Novel	DOCK8	SPLICE_SITE	
chr8	399267	399268	Heterozygous —	—	C	Novel	DOCK8	SPLICE_SITE	
chr8	734908	734908	Heterozygous G	—	C	Novel	KANK1	INTRONIC	
chr8	734908	734908	Heterozygous G	—	C	Novel	KANK1	INTRONIC	
chr8	742303	742303	Heterozygous C	—	T	Novel	KANK1	SYNONYMOUS_CODING	
chr8	742303	742303	Heterozygous C	—	T	Novel	KANK1	SYNONYMOUS_CODING	
chr8	2159068	2159070	Heterozygous GTT	—	—	Novel	SMARCA2	INTRONIC	
chr8	2159068	2159070	Heterozygous GTT	—	—	Novel	SMARCA2	INTRONIC	
chr8	4701842	4701842	Heterozygous T	—	—	Novel	GDC37L1	INTRONIC	
chr8	4701842	4701842	Heterozygous T	—	G	Novel	GDC37L1	INTRONIC	
chr8	5557582	5557582	Heterozygous T	—	C	Novel	PDCD1LG2	INTRONIC	
chr8	6499822	6499822	Heterozygous C	—	—	Novel	UHRF2	INTRONIC	
chr8	8470931	8470931	Heterozygous G	—	—	Novel	PTPRD	INTRONIC	
chr8	8470931	8470931	Heterozygous G	—	—	Novel	PTPRD	INTRONIC	
chr8	8470931	8470931	Heterozygous G	—	—	Novel	PTPRD	INTRONIC	
chr8	8470931	8470931	Heterozygous G	—	—	Novel	PTPRD	INTRONIC	
chr8	8470931	8470931	Heterozygous G	—	—	Novel	PTPRD	INTRONIC	
chr8	13175718	13175718	Heterozygous GAG	—	—	Novel	MPDZ	INTRONIC	
chr8	13222438	13222438	Heterozygous T	—	G	Novel	MPDZ	SYNONYMOUS_CODING	
chr8	14722148	14722147	Heterozygous —	—	C	Novel	CER1	INTRONIC	
chr8	14758451	14758452	Heterozygous —	—	G	Novel	FREM1	SPLICE_SITE	
chr8	14758451	14758452	Heterozygous —	—	G	Novel	FREM1	SPLICE_SITE	
chr8	15458080	15458081	Heterozygous —	—	T	Novel	SNAPC3	INTRONIC	
chr8	15465454	15465454	Heterozygous G	—	C	Novel	PSIP1	3PRIME_UTR	
chr8	15465454	15465454	Heterozygous G	—	C	Novel	PSIP1	3PRIME_UTR	
chr8	15510019	15510020	Heterozygous —	—	C	Novel	PSIP1	INTRONIC	
chr8	15510019	15510020	Heterozygous —	—	C	Novel	PSIP1	INTRONIC	
chr8	15510019	15510020	Heterozygous —	—	C	Novel	PSIP1	INTRONIC	
chr8	16418970	16418970	Heterozygous T	—	—	Novel	BNC2	3PRIME_UTR	
chr8	18639427	18639427	Heterozygous A	—	C	Novel	ADAMTSL1	INTRONIC	
chr8	18639427	18639427	Heter						

