

Gene	CHROM	POS	Exon	Nucleotide change	Amino acid change	dbSNP	esp6500	EAS	ExAC	Mutation Taster
NANOS1	10q26.11	120789882	exon1	c.569C>G	p.A190G	-	-	-	-	N
PADI6	1p36.13	17718672	-	c.1025+1G>A	-	rs782686210	-	-	-	-
GAS8	16q24.3	90097890	exon3	c.25C>A	p.Q9K	-	-	-	-	D
PSMC3IP	17q21.2	40725124	-	c.597+1G>T	-	-	-	-	-	D
PSMC3IP	17q21.2	40726186	exon4	c.268G>C	p.D90H	-	-	-	-	D
HFM1	1p22.2	91742541	exon31	c.3470G>A	p.C1157Y	rs74938180	0.000077	0.0268	0.025	D
BRDT	1p22.1	92442945	exon7	c.964A>	p.I322V	-	-	-	-	D
HS6ST1	2q14.3	129026419	exon2	c.553C>T	p.R185X	rs764216851	-	-	0.0004	D
DNAH1	3p21.1	52360318	exon4	c.569T>C	p.I190T	rs61729450	0.0029	0.0069	0.0079	D
DNAH1	3p21.1	52366368	exon8	c.1244A>G	p.K415R	rs61729402	0.0027	0.0069	0.0074	D
DNAH1	3p21.1	52381865	exon12	c.1981A>G	p.M661V	rs61734653	0.0028	0.005	0.0076	N
DNAH1	3p21.1	52385992	exon17	c.2744A>G	p.N915S	rs61734643	0.0027	0.005	0.0067	N
DNAH1	3p21.1	52417991	exon52	c.8266G>A	p.V2756M	rs61749019	0.0027	0.005	0.0056	N
SPRY4	5q31.3	141694722	-	c.23-2A>C	-	-	-	-	-	D

AR	Xq12	66765158	exon1	c.170T>A	p.L57Q	rs78686797	-	-	-	N
DNAAF2	14q21.3	50100087	exon1	c.1781C>T	p.A594V	rs181040532	-	0.002	0.0027	N
CHD7	8q12.2	61734482	exon10	c.2831G>A	p.R944H	rs117506164	0.0002	0.004	0.01	D
ZMYND10	3p21.31	50381180	exon3	c.303C>G	p.F101L	rs200585431	-	0.001	0.0002	D

Supplementary Table 1

