

Protein Accession	Rank	Symbol	ExAC.AF	RESIDUE_REF	RESIDUE_ALT	Mutation Type	Amino Acid Change	Patient
ENSP00000386306	1	SCN9A	8.28E-06	R	C	Single AA Change	CTT [C/T]GT GAC	Patient 1
ENSP00000237449	2	DNAH6	3.99E-05	G	R	Single AA Change	GGG [G/A]GA TTT	Patient 1
ENSP00000262259	3	ZNF175	6.59E-05	G	R	Single AA Change	ACC [G/A]GA GAG	Patient 1
ENSP00000357206	4	NES	8.24E-06	P	L	Single AA Change	ACT C[C/T]C CTG	Patient 1
ENSP00000278319	5	ZNF215	8.24E-06	G	E	Single AA Change	TGT G[G/A]G AGA	Patient 1
ENSP00000267383	6	CDH24	1.65E-05	P	S	Single AA Change	GAC [C/T]CC AGC	Patient 1
ENSP00000370430	7	PNPLA4	2.47E-05	L	P	Single AA Change	GCC C[T/C]T TTT	Patient 1
ENSP00000262209	8	TRPA1	8.24E-06	H	Y	Single AA Change	CTT [C/T]AC TTT	Patient 1
ENSP00000372193	9	CLCN7	2.47E-05	G	S	Single AA Change	GGC [G/A]GT GTG	Patient 1
ENSP00000359245	10	ABCA4	8.24E-06	P	L	Single AA Change	CCA C[C/T]G CTG	Patient 1
ENSP00000359245	10	ABCA4	8.24E-06	P	S	Single AA Change	CCA [C/T]CG CTG	Patient 1
ENSP00000304437	11	KNDC1	1.65E-05	D	N	Single AA Change	CAC [G/A]AC TTC	Patient 1
ENSP00000340514	12	ZNF14	3.30E-05	G	R	Single AA Change	TGT [G/A]GG AAA	Patient 1
ENSP00000366513	13	CLSTN1	2.47E-05	I	I	Synonymous	CGG AT[C/T] CGG	Patient 1
ENSP00000366513	13	CLSTN1	2.47E-05	R	W	Single AA Change	ATC [C/T]GG GCC	Patient 1
ENSP00000360329	14	TTC4	8.24E-06	T	I	Single AA Change	AGC A[C/T]C TTG	Patient 1
ENSP00000360329	14	TTC4	8.24E-06	T	T	Synonymous	AGC AC[C/T] TTG	Patient 1
ENSP00000296046	15	CPA3	4.94E-05	R	Q	Single AA Change	GCA C[G/A]A GAA	Patient 1
ENSP00000258526	16	PLXNC1	8.24E-06	S	L	Single AA Change	ATT T[C/T]G TCT	Patient 1
ENSP00000365908	17	PRUNE2	3.32E-05	P	L	Single AA Change	AGT C[C/T]C TGG	Patient 1
ENSP00000365908	17	PRUNE2	3.32E-05	P	S	Single AA Change	AGT [C/T]CC TGG	Patient 1
ENSP00000365908	17	PRUNE2	3.32E-05	P	L	Single AA Change	GGT C[C/T]C TGG	Patient 1
ENSP00000345243	18	SIGLEC10	4.12E-05	P	L	Single AA Change	CAG C[C/T]G GTG	Patient 1
ENSP00000301318	19	ZFP28	2.47E-05	R	C	Single AA Change	CAT [C/T]GC AGA	Patient 1
ENSP00000376609	20	GRK5	1.65E-05	S	F	Single AA Change	TAC T[C/T]C AAG	Patient 1
ENSP00000353098	1	MCMBP	8.24E-06	R	I	Single AA Change	TTG A[G/T]A TTC	Patient 2
ENSP00000361918	2	PPIE	3.30E-05	G	S	Single AA Change	GGC [G/A]GT GAT	Patient 2
ENSP00000361918	2	PPIE	3.30E-05	G	D	Single AA Change	GGC G[G/A]T GAT	Patient 2
ENSP00000334876	3	GRK1	1.65E-05	R	W	Single AA Change	AGG [C/T]GG ATC	Patient 2
ENSP00000390600	4	SCN10A	4.12E-05	R	H	Single AA Change	ATC C[G/A]C CTG	Patient 2
ENSP00000449770	5	11-603J24	8.24E-06	K	E	Single AA Change	GGG [A/G]AA ATC	Patient 2
ENSP00000302886	6	PA2G4	8.24E-06	K	E	Single AA Change	GGG [A/G]AA ATC	Patient 2
ENSP00000340200	7	GLYAT	6.59E-05	R	Q	Single AA Change	TAC C[G/A]G CTC	Patient 2
ENSP00000348982	1	MEGF6	6.69E-05	P	L	Single AA Change	TGC C[C/T]G GCC	Patient 3
ENSP00000348982	1	MEGF6	6.69E-05	P	S	Single AA Change	TGC [C/T]CG GCC	Patient 3
ENSP00000362469	2	SLC2A8	3.33E-05	P	L	Single AA Change	ACC C[C/T]G GGC	Patient 3
ENSP00000277575	3	USP6NL	9.14E-06	R	C	Single AA Change	GAT [C/T]GT ACT	Patient 3
ENSP00000233535	4	SLC30A3	8.24E-06	G	G	Synonymous	GAG GG[G/A] GGT	Patient 3
ENSP00000233535	4	SLC30A3	8.24E-06	R	W	Single AA Change	GTC [C/T]GG GCG	Patient 3
ENSP00000295890	5	COX18	3.30E-05	L	L	Synonymous	GCT CT[C/T] CGG	Patient 3
ENSP00000295890	5	COX18	3.30E-05	R	W	Single AA Change	CTC [C/T]GG AAT	Patient 3
ENSP00000328875	6	TRAK2	1.65E-05	P	L	Single AA Change	ACC C[C/T]G ACA	Patient 3
ENSP00000216392	7	PYGL	8.24E-06	R	C	Single AA Change	ATC [C/T]GC GGC	Patient 3
ENSP00000343054	8	RBM5	8.24E-06	R	W	Single AA Change	GTT [C/T]GG CTA	Patient 3
ENSP00000348068	9	SERPINA1	2.47E-05	G	E	Single AA Change	AAA G[G/A]G ACT	Patient 3
ENSP00000265727	10	ADAM22	0.00033	R	C	Single AA Change	CCT [C/T]GT AAT	Patient 3
ENSP00000427975	11	RANBP17	1.65E-05	R	C	Single AA Change	TTT [C/T]GT GAT	Patient 3
ENSP00000263331	12	POLR1B	8.24E-06	P	S	Single AA Change	GAT [C/T]CG TAT	Patient 3
ENSP00000364150	13	GALNT12	1.65E-05	T	T	Synonymous	GAT AC[C/T] CTT	Patient 3
ENSP00000364150	13	GALNT12	1.65E-05	S	F	Single AA Change	TTT T[C/T]C TTT	Patient 3
ENSP00000385586	14	HOXD12	8.27E-06	R	W	Single AA Change	CTT [C/T]GG GAG	Patient 3
ENSP00000304437	15	KNDC1	2.48E-05	E	K	Single AA Change	AGC [G/A]AG CAG	Patient 3
ENSP00000377862	16	FAT4	1.65E-05	R	C	Single AA Change	GTT [C/T]GT GCT	Patient 3
ENSP00000377783	17	PROS1	8.24E-06	R	C	Single AA Change	TTT [C/T]GT TTG	Patient 3
ENSP00000333283	18	C17orf70	2.48E-05	L	L	Synonymous	GAT CT[C/T] CGT	Patient 3
ENSP00000333283	18	C17orf70	2.48E-05	R	C	Single AA Change	CTC [C/T]GT GTG	Patient 3
ENSP00000261381	19	XYLT1	1.65E-05	P	S	Single AA Change	CCC [C/T]CT AAG	Patient 3
ENSP00000265843	20	EXPH5	8.24E-06	P	L	Single AA Change	GCT C[C/T]C ATG	Patient 3
ENSP00000363988	21	ALDOB	0.00012	G	S	Single AA Change	GGG [G/A]GT GTG	Patient 3
ENSP00000363482	22	FAM21C	2.48E-05	R	W	Single AA Change	ATC [C/T]GG GAA	Patient 3
ENSP00000266579	23	SLC38A4	6.59E-05	R	W	Single AA Change	TCC [C/T]GG AGA	Patient 3
ENSP00000268699	24	GAS8	4.12E-05	R	C	Single AA Change	AGC [C/T]GC ATC	Patient 3
ENSP00000297440	25	HEATR2	8.24E-06	L	L	Synonymous	GAT CT[C/T] CTG	Patient 3
ENSP00000297440	25	HEATR2	8.24E-06	S	L	Single AA Change	CAG T[C/T]G GAG	Patient 3