

SNP	CHR	MA	MAF	GT	ETC
rs45467195	1	G	0.010	AG	
rs1611772	1	A	0.010	AG	
rs11572638	1	G	0.010	AG	
rs923296	1	C	0.002	CT	
rs12058217	1	T	0.010	CT	
rs17498895	2	A	0.010	AC	
rs17746486	2	T	0.010	CT	
rs1214118	2	A	0.010	AA	Homozygous
rs10496937	2	G	0.010	GT	
rs35667974	2	C	0.003	CT	
rs2232346	3	C	0.010	CT	
rs1320287	3	T	0.010	CT	
rs283410	4	A	0.010	AG	
rs1164694	5	G	0.010	AG	
rs17344021	5	G	0.010	AG	
rs13178431	5	G	0.010	AG	
rs17078894	5	A	0.001	AC	
rs2439566	6	T	0.010	CT	
rs10484333	6	A	0.010	AG	
rs6456773	6	C	0.010	CT	
rs4713949	6	A	0.010	AG	
rs1206140	6	A	0.010	AG	
rs1424935	6	G	0.010	AG	
rs34130495	6	A	0.010	AG	
rs17793768	7	T	0.010	CT	
rs12534162	7	G	0.010	AG	
rs17880824	7	T	0.010	CT	
rs17876199	7	G	0.010	GT	
rs11768467	7	T	0.010	CT	
rs17736439	8	G	0.003	AG	
rs2466432	8	G	0.010	GT	
rs12114698	8	A	0.010	AG	
rs28999710	8	A	0.010	AG	
rs36014856	8	A	0.010	AG	
rs735262	9	T	0.010	CT	
rs12553273	9	G	0.010	AG	
rs17211882	9	A	0.010	AG	
rs11549260	9	T	0.010	CT	
rs8206	9	A	0.010	AG	
rs11239604	10	G	0.010	AG	
rs17630626	10	T	0.010	GT	
rs1328601	10	T	0.010	CT	
rs11023324	11	T	0.010	CT	
rs4763861	12	A	0.003	AG	
rs2723270	12	G	0.010	GT	
rs2404833	12	G	0.010	AG	
rs2896976	12	A	0.010	AG	
rs12426635	12	C	0.010	CT	
rs17528736	12	T	0.010	CT	
rs35075600	12	T	0.010	CT	
rs10850948	12	T	0.010	CT	
rs547185	12	C	0.010	CT	
rs11065126	12	A	0.010	AG	

SNP	CHR	MA	MAF	GT	ETC
rs3135641	13	A	0.010	AG	
rs9536258	13	A	0.010	AG	
rs10507683	13	T	0.010	CT	
rs2304341	15	T	0.010	CT	
rs17363343	15	A	0.004	AG	
rs17601157	15	A	0.010	AG	
rs41549716	15	C	0.002	CT	
rs11646402	16	A	0.010	AG	
rs34755915	16	T	0.004	CT	
rs28363284	17	C	0.010	CT	
rs17616365	17	A	0.010	AG	
rs35910969	17	G	0.010	CG	
rs12954175	18	T	0.010	CT	
rs2156840	18	G	0.010	AG	
rs1538012	19	A	0.010	AG	
rs4926123	19	T	0.010	CT	
rs8102988	19	A	0.010	AG	
rs12982415	19	T	0.010	CT	
rs35839245	19	T	0.010	CT	
rs1800472	19	A	0.010	AG	
rs203710	19	A	0.010	AG	
rs61752561	19	A	0.010	AG	
rs4801902	19	T	0.010	CT	
rs202443	21	C	0.010	CT	
rs165631	22	T	0.010	CT	
rs34798692	22	T	0.010	CT	

SNP = Single Nucleotide Polymorphism. This is a single allele on a chromosome.

CHR = Chromosome.

MA = Minor Allele. The less frequent of the two possible alleles for this SNP.

MAF = Minor Allele Frequency. This is given in decimal form, not percentage.

Percentage frequency = $\text{MAF} \times 100$

Heterozygous rate = $(1 - \text{MAF}) \times \text{MAF} \times 200$

Homozygous minor rate = $\text{MAF} \times \text{MAF} \times 100$

Homozygous major rate = $(1 - \text{MAF}) \times (1 - \text{MAF}) \times 100$

GT = Genotype. Two alleles indicate the user's genotype.

ETC = Information from extra databases used, and flags for homozygous results.

Genes = the name of the gene(s) which the SNP is on, if any.

Homozygous = homozygous for the minor allele.

Renamed = alternative rs numbers for that SNP.

Mutation = Information for missense mutations and nonsense mutations.

These result in structural alterations of the protein created by the gene.

The name of the mutation consists of 1-4 digits between two letters.

The digits represent the position of the mutation on the created protein.

The first letter represents the more common amino acid created by that SNP.

The last letter represents the alternative amino acid created by that SNP.

The number in parentheses is the BLOSUM62 score, ranging from -4 to 4.

BLOSUM62 scores the difference between common and altered amino acids.

-4 indicates the most extreme difference, and 4 indicates no difference.

BLOSUM62 scores are not definitive of pathogenic or benign status.

Example: "Mutation T96I (-1)"

Threonine (T) is the normal amino acid.

It is located at position 96 for the protein created by this gene.

Isoleucine (I) replaces it, which is only moderately different (-1).

Clinsig = Impact of the allele change, based on the available scientific research

"Pathogenic" can be disease-causing or just cause a significant change.

"Benign" is not disease-causing.

For more general information and research regarding these SNPs, see:

dbSNP: <http://www.ncbi.nlm.nih.gov/SNP/> - SNP data maintained by the NIH.

OMIM: <http://omim.org/> - Data for human genes and SNP genetic diseases.

Google Scholar: <https://scholar.google.com/> - Search engine for research articles.