

Table S1

Gene	DNA variation	Amino acid exchange	Frequency in all patients (n=490 alleles)	Frequency in reference population (n=400 alleles)	rs-number	NHLBI-ESP:ESP_Cohort_Populations ¹	1000GENOMES: phase_1_ALL ²
<i>SUN1</i>	c.114 G>A	p. T38T	3	N/D	rs76073621	---	87/2097
<i>SUN1</i>	c.203 G>A	p. G68D	1	---	rs188935423	---	4/2180
<i>SUN1</i>	c.227 G>C	p. G76A	1	N/D	rs149038179	---	5/2179
<i>SUN1</i>	c.235 A>G	p. S79G	1	---		---	---
<i>SUN1</i>	c.281 G>A	p. R94H	1	N/D	rs112598200	---	1/2183
<i>SUN1</i>	c.352 C>T	p. H118Y	203	N/D	rs6461378	---	1153/1031
<i>SUN1</i>	c.366 C>T	p. V122V	6	N/D	rs41273066	---	13/2171
<i>SUN1</i>	c.543 C>T	p. N181N	1	N/D		---	---
<i>SUN1</i>	c.589 G>A	p. V197M	1	---	rs116520953	---	7/2177
<i>SUN1</i>	c.606 C>T	p. P202P	21	N/D	rs113652875	---	54/2130
<i>SUN1</i>	c.608 C>T	p. A203V	1	N/D	rs144929525	---	4/2180
<i>SUN1</i>	c.869 A>G	p. Y290C	28	N/D	rs74742245	---	358/1826
<i>SUN1</i>	c.973 G>A	p. A325T	2	N/D	rs139112134	---	7/2177
<i>SUN1</i>	c.1013 G>A	p. G338S	1	1*		---	---
<i>SUN1</i>	c.1131 G>T	p. W377C	2	---	rs142011077	---	5/2179
<i>SUN1</i>	c.1815 A>G	p. T605T	160	N/D	rs10950789	---	968/1216
<i>SUN1</i>	c.1819 G>A	p. E607K	76	N/D	rs59910530	---	359/1825
<i>SUN1</i>	c.2153 C>T	p. A718V	1	---	rs114701323	---	1/2183
<i>SUN1</i>	c.2436 G>A	p. R812R	6	N/D	rs61744747	---	94/2090
<i>SUN1</i>	c.2536 G>A	p. V846I	1	1		---	---
<i>SUN1</i>	c.2592 G>A	p. T864T	1	N/D		---	---
<i>SUN2</i>	c.97 A>G	p. T33A	2	N/D	rs2072799	5/4545	103/2081
<i>SUN2</i>	c.149 T>C	p. M50T	1	---		---	---
<i>SUN2</i>	c.166 G>C	p. A56P	1	N/D	rs137966643	2/4550	---
<i>SUN2</i>	c.266 T>G	p. L89R	52	N/D	rs35496634	351/4197	128/2056
<i>SUN2</i>	c.437 T>G	p. V146G	1	---		---	---
<i>SUN2</i>	c.657 G>A	p. P219P	1	N/D	rs143617240	5/4547	---
<i>SUN2</i>	c.1042 C>T	p. R348C	12	N/D	rs138708	59/4491	84/2100
<i>SUN2</i>	c.1132 G>A	p. V378I	4	3	rs139004902	26/4522	12/2172
<i>SUN2</i>	c.1314 A>T	p. E438D	1	2		---	---
<i>SUN2</i>	c.1345 G>C	p. V449L	1	---		---	---
<i>SUN2</i>	c.1824 A>G	p. Q608Q	151	N/D	rs1062687	1708/2734	860/1324
<i>SUN2</i>	c.1858 C>T	p. R620C	1	---	rs141013997	3/4433	---
<i>SUN2</i>	c.2011 G>A	p. G671S	49	N/D	rs2072797	363/4185	248/1936

---, not detected

¹ Data from ENSEMBL: 1000GENOMES:phase_1_ALL:

http://www.ncbi.nlm.nih.gov/SNP/snp_viewTable.cgi?pop=14318

² Data from ENSEMBL: NHLBI-ESP:ESP_CohortPopulations <http://www.1000genomes.org/faq/which-populations-are-part-your-study>