

125	p.Asp125Asn	c.373G>A	Missense		0.62	Neutral	2	1610302	1.242E-06	Uncertain significance	858988
125	p.Asp125Glu	c.375T>A	Missense		0.80	Neutral	2	777462	2.57247E-06	Uncertain significance	1329079
125	p.Asp125His	c.373G>C	Missense	Functionally neutral	0.95	Neutral	569	1610420	0.00035324	Uncertain significance	41577
126	p.Val126Asp	c.377T>A	Missense	Pathogenic	0.00	Deleterious	3	1458484	2.05693E-06	Pathogenic	9420
126	p.Val126Leu	c.376G>C	Missense		1.00	Neutral	1	1458368	6.86E-07	Uncertain significance	489868
126	p.Val126Phe	c.376G>T	Missense		0.75	Neutral	1	1458368	6.86E-07		
126	p.Val126Val	c.378C>T	Synonymous		0.48	Neutral	1	1458494	6.86E-07	Likely benign	1692141
126	p.Val126Val	c.378C>G	Synonymous		0.48	Neutral	1	1458494	6.86E-07		
127	p.Ala127Pro	c.379G>C	Missense	Functionally deleterious	0.00	Deleterious	1	1458444	6.86E-07	Uncertain significance	571866
127	p.Ala127Ser	c.379G>T	Missense	Likely benign	0.23	Neutral	1532	1610798	0.000951081	Benign/Likely benign	41578
127	p.Ala127Val	c.380C>T	Missense		0.83	Neutral	1	152238	6.56866E-06	Uncertain significance	2030143
128	p.Arg128Gln	c.383G>A	Missense		0.93	Neutral	19	1610916	1.17945E-05	Uncertain significance	581636
128	p.Arg128Pro	c.383G>C	Missense		0.00	Deleterious	1	1458694	6.86E-07	Uncertain significance	483344
130	p.Leu130Leu	c.388C>T	Synonymous		0.48	Neutral	2	778188	2.57007E-06	Uncertain significance	491575
131	p.Arg131Cys	c.391C>T	Missense		0.00	Deleterious	1	1459134	6.85E-07	Uncertain significance	1350948
131	p.Arg131His	c.392G>A	Missense		0.64	Neutral	2	1459184	1.37063E-06	Uncertain significance	620615
132	p.Ala132Ala	c.396G>C	Synonymous		0.48	Neutral	1	152250	6.56814E-06	Likely benign	382703
132	p.Ala132Ala	c.396G>T	Synonymous		0.48	Neutral	1	626296	1.59669E-06		
132	p.Ala132Val	c.395C>T	Missense		0.05	Neutral	5	1459290	3.42632E-06	Uncertain significance	630452
133	p.Ala133Ala	c.399T>C	Synonymous		0.48	Neutral	2	1459450	1.37038E-06		
134	p.Ala134Ala	c.402G>A	Synonymous		0.57	Neutral	1	1459422	6.85E-07	Uncertain significance	583214
134	p.Ala134Ala	c.402G>T	Synonymous		0.57	Neutral	9	1611668	5.58428E-06	Likely benign	236989
134	p.Ala134Pro	c.406G>C	Missense		0.68	Neutral	5	1611668	3.10238E-06	Uncertain significance	495536
134	p.Ala134Val	c.401C>T	Missense		0.93	Neutral	3	626164	4.79108E-06	Uncertain significance	650117
135	p.Gly135Glu	c.404G>A	Missense		0.00	Deleterious	5	1611926	3.10188E-06	Uncertain significance	463504
135	p.Gly135Gly	c.405G>A	Synonymous		0.48	Neutral	306	1611984	0.00018928	Benign/Likely benign	383182
135	p.Gly135Val	c.404G>T	Missense		0.37	Neutral	1	1459674	6.85E-07	Uncertain significance	843913
136	p.Gly136Ala	c.407G>C	Missense		0.66	Neutral	2	152212	1.31396E-05	Uncertain significance	483335
136	p.Gly136Asp	c.407G>A	Missense		0.00	Deleterious	5	626354	7.98271E-06	Uncertain significance	925925
136	p.Gly136Ser	c.406G>A	Missense		0.03	Neutral	5	1612104	3.10154E-06	Uncertain significance	483342
137	p.Thr137Pro	c.409A>C	Missense		0.70	Neutral	1	1459840	6.85E-07		
137	p.Thr137Ser	c.410C>G	Missense		0.77	Neutral	1	626710	1.59563E-06		
138	p.Arg138Arg	c.412A>G	Missense		0.77	Neutral	15	1612210	9.304E-06	Uncertain significance	233990
139	p.Gly139Arg	c.415G>C	Missense	Functionally neutral	0.33	Neutral	27	1460010	1.8493E-05	Uncertain significance	216276
139	p.Gly139Asp	c.416G>A	Missense		0.01	Deleterious	9	1612280	5.58216E-06	Uncertain significance	491576
139	p.Gly139Ser	c.415G>T	Missense		0.05	Neutral	4	1460010	2.73971E-06	Uncertain significance	141419
139	p.Gly139Val	c.416G>T	Missense		0.83	Neutral	1	1459922	6.85E-07	Uncertain significance	2172999
140	p.Ser140Ser	c.420T>C	Synonymous		0.48	Neutral	2	1460096	1.36977E-06	Likely benign	173845
141	p.Asn141Asn	c.423C>T	Synonymous		0.48	Neutral	1	1460072	6.85E-07	Likely benign	924813
141	p.Asn141Asp	c.421A>G	Missense		0.87	Neutral	1	152230	6.56901E-06	Uncertain significance	631362
142	p.His142Arg	c.425A>G	Missense		1.00	Neutral	25	1612402	1.55048E-05	Uncertain significance	184564
142	p.His142Gln	c.426T>G	Missense		1.00	Neutral	1	833110	1.20032E-06	Uncertain significance	246046
142	p.His142Tyr	c.424C>T	Missense		1.00	Neutral	2	626994	3.18982E-06	Uncertain significance	824721
143	p.Ala143Ala	c.429C>A	Synonymous		0.48	Neutral	1	1460104	6.85E-07	Likely benign	414090
143	p.Ala143Gly	c.428C>G	Missense		0.56	Neutral	5	626918	7.97552E-06	Uncertain significance	630386
143	p.Ala143Thr	c.427G>A	Missense	Functionally neutral	0.72	Neutral	16	1460132	1.09579E-05	Uncertain significance	245681
144	p.Arg144Arg	c.432C>T	Synonymous		0.48	Neutral	1	627030	1.59482E-06		
144	p.Arg144Cys	c.430C>T	Missense	Likely benign	0.98	Neutral	763	1612398	0.000473208	Benign/Likely benign	41579
144	p.Arg144His	c.431G>A	Missense		0.68	Neutral	1	152236	6.56875E-06	Uncertain significance	406723
144	p.Arg144Leu	c.431G>T	Missense		0.89	Neutral	10	1612274	6.20242E-06	Uncertain significance	463505
144	p.Arg144Ser	c.430C>A	Missense		0.75	Neutral	1	152216	6.56961E-06		
145	p.Ile145Met	c.435A>G	Missense		0.12	Neutral	1	627006	1.59488E-06		
145	p.Ile145Thr	c.434T>C	Missense		0.49	Neutral	7	1460132	4.79409E-06	Uncertain significance	182420
145	p.Ile145Val	c.433A>G	Missense		0.21	Neutral	1	1460158	6.85E-07	Uncertain significance	645545
146	p.Asp146Asn	c.436G>A	Missense		0.12	Neutral	1	1460116	6.85E-07	Uncertain significance	578446
146	p.Asp146Glu	c.438T>A	Missense		0.61	Neutral	1	833110	1.20032E-06		
146	p.Asp146His	c.436G>C	Missense		0.22	Neutral	1	1460116	6.85E-07	Uncertain significance	824834
146	p.Asp146Val	c.437A>T	Missense		0.59	Neutral	1	152216	6.56961E-06	Uncertain significance	928297
147	p.Ala147Ala	c.441C>A	Synonymous		0.48	Neutral	4	1459910	2.73989E-06	Likely benign	391388
147	p.Ala147Val	c.440C>T	Missense		0.31	Neutral	3	779052	3.85083E-06	Uncertain significance	406716
148	p.Ala148Ala	c.444G>A	Synonymous		0.48	Neutral	5	1459850	3.42801E-06	Likely benign	923208
148	p.Ala148Gly	c.443C>G	Missense		0.38	Neutral	1	1459882	6.85E-07		
148	p.Ala148Thr	c.442G>A	Missense	Likely benign	0.40	Neutral	39384	1612214	0.02428519	Benign	41580
148	p.Ala148Val	c.443C>T	Missense		0.00	Deleterious	5	1612130	3.10149E-06	Uncertain significance	231700
150	p.Gly150Asp	c.449G>A	Missense		0.30	Neutral	3	778834	3.85191E-06	Uncertain significance	483331
150	p.Gly150Gly	c.450T>C	Synonymous		0.48	Neutral	5	1459644	3.42549E-06	Likely benign	630385
150	p.Gly150Ser	c.448G>A	Missense		0.40	Neutral	1	626658	1.59577E-06		
151	p.Pro151His	c.452C>A	Missense		0.54	Neutral	1	1459568	6.85E-07		
151	p.Pro151Leu	c.452C>T	Missense		0.08	Neutral	4	1611804	2.48169E-06	Uncertain significance	406724
154	p.Ile154Asn	c.461T>A	Missense		0.06	Neutral	6	628748	9.54277E-06	Uncertain significance	491579
156	p.Asp156Ala	c.467A>A	Missense		0.00	Deleterious	1	833022	1.20045E-06		
156	p.Asp156Asn	c.466G>A	Missense		0.11	Neutral	1	1461724	6.84E-07	Uncertain significance	629192
156	p.Asp156Asp	c.468T>C	Synonymous		0.48	Neutral	4	780878	5.12244E-06	Likely benign	215633
156	p.Asp156Tyr	c.466G>T	Missense		0.01	Deleterious	2	1461722	1.36825E-06	Uncertain significance	1171898