

**Table 4.** Coding polymorphism

Amino acid	Total counts (both haplomes)	Synonymous instances as % of total counts	Synonymous instances as % of identical amino acids	Nonsynonymous instances as % of total counts
Alanine	350,264	7.83	7.95	1.47
Arginine	305,585	7.77	7.85	1.10
Asparagine	279,226	3.63	3.70	1.67
Aspartic acid	311,705	4.06	4.11	1.28
Cysteine	137,683	4.75	4.78	0.62
Glutamic acid	343,691	3.39	3.43	1.27
Glutamine	240,466	3.23	3.27	1.15
Glycine	336,165	7.84	7.91	0.79
Histidine	147,425	4.83	4.91	1.57
Isoleucine	327,928	5.37	5.46	1.62
Leucine	531,281	9.20	9.28	0.88
Lysine	349,970	2.94	2.98	1.19
Methionine	141,415			1.70
Phenylalanine	247,127	6.40	6.46	0.86
Proline	257,325	8.75	8.83	0.97
Serine	456,607	7.06	7.18	1.58
Threonine	333,203	7.77	7.90	1.69
Tryptophan	75,136			0.31
Tyrosine	190,402	4.08	4.12	0.86
Valine	401,625	7.07	7.17	1.35
Total	5,764,229	5.94	6.01	1.15