

Gene frequencies of HLA-A alleles in five U.S. populations

Table 1. Gene Frequency of HLA-A alleles in five major ethnic groups from the U.S.

HLA-A	African				
	Americans (n=252)	Caucasians (n=265)	Hispanics (n=234)	North American Natives (n=187)	Asians (n=358)
0101G	0.0556	0.1509	0.0598	0.0749	0.0153
0102	0.0060		0.0064		
0201G	0.1230	0.2717	0.2308	0.2166	0.0947
0202	0.0337		0.0064	0.0080	0.0028
0203		0.0019			0.0418
0205	0.0298	0.0075	0.0150	0.0053	0.0014
0206		0.0019	0.0321	0.0722	0.0501
0207G					0.0655
0211			0.0043		
0212			0.0043		0.0014
0213			0.0021		
0301	0.0992	0.1264	0.0727	0.0668	0.0097
0302		0.0057	0.0064	0.0027	
1101	0.0238	0.0698	0.0577	0.0267	0.2312
2301	0.1111	0.0132	0.0192	0.0160	0.0056
2402G	0.0278	0.0660	0.1218	0.2273	0.1894
2403		0.0019		0.0053	0.0056
2406					0.0014
2407				0.0027	0.0237
2422			0.0021		
2501	0.0020	0.0358			0.0028
2601	0.0238	0.0415	0.0385	0.0160	0.0320
2602				0.0160	0.0042
2608		0.0038	0.0021		
2901G		0.0019	0.0021		0.0125
2902	0.0357	0.0434	0.0491	0.0267	0.0042
3001	0.0496	0.0113	0.0256	0.0214	0.0181
3002	0.0496	0.0057	0.0342	0.0187	0.0014
3004	0.0020	0.0019			0.0014
3101	0.0079	0.0321	0.0491	0.0775	0.0306
3201	0.0159	0.0434	0.0299	0.0214	0.0084
3301	0.0198	0.0057	0.0256	0.0027	0.0028
3303	0.0397	0.0057	0.0107	0.0053	0.1170
3401			0.0021		0.0181
3402	0.0397	0.0019	0.0064	0.0027	
3601	0.0317		0.0043		
6601	0.0198	0.0075	0.0043		0.0014
6602	0.0119			0.0027	0.0014
6801G	0.0258	0.0302	0.0256	0.0562	0.0028
6802	0.0635	0.0094	0.0214	0.0080	
6803			0.0085		
6804	0.0020				
6805			0.0085		
6901		0.0019	0.0064		0.0014
7401G	0.0397		0.0043		
8001	0.0099				

G denotes a representative allele of a group that are not distinguished in this study because the sequences are identical across exons 2 and 3

A*0101G (A*01011, A*0104N)
A*0201G (A*02011, A*0209, A*0243N)
A*0207G (A*0207, A*0215N)
A*2301G (A*2301, A2307N)
A*2402G (A*2402101, A*24021021, A*2409N, A*2409N, A*2411N)
A*2403G (A*2403, A*2433)
A*6801G (A*68012, A*6811N)
A*7401G (A*7401, A*7402)

Source:

Cao K, Hollenbach J, Shi X, Shi W, Chopek M, Fernandez-Vina MA.

Analysis of the frequencies of HLA-A, B, and C alleles and haplotypes in the five major ethnic groups of the United States reveals high levels of diversity in these loci and contrasting distribution patterns in these populations.

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