

Supplementary Materials

Table S1. Frequency of HLA-A loci by gender.

HLA-A Locus	Female (n=329, 658 allele)		Male (n=355, 710 allele)	
	Allele group N	Allele Frequency (%)	Allele group N	Allele Frequency (%)
A1	81	12.31	78	11
A2	155	23.6	164	23.1
A3	62	9.42	60	8.45
A9	0	-	3	0.42
A10	4	0.61	1	0.14
A11	24	3.65	26	3.66
A19	0	-	1	0.14
A23	46	7	63	8.87
A24	50	7.6	59	8.31
A25	1	0.15	1	0.14
A26	16	2.43	20	2.82
A28	7	1.06	4	0.56
A29	17	2.58	26	3.66
A30	35	5.32	54	7.61
A31	6	0.91	11	1.55
A32	28	4.26	22	3.1
A33	27	4.1	28	3.94
A34	15	2.28	16	2,25
A36	3	0.46	0	-
A66	7	1.06	6	0.85
A68	53	8.05	54	7.61
A69	3	0.46	0	-
A74	5	0.76	6	0.85
A80	13	1.98	7	1

Table S2. Frequency of HLA-B locus allele groups by gender.

HLA-B Locus	Female (n=329, 658 allele)		Male (n=355, 710allele)	
	Allele group N	Allele Frequency (%)	Allele group N	Allele Frequency (%)
B2	0	-	1	0.14
B7	30	4.56	48	6.76
B8	48	7.29	42	5.92
B12	1	0.15	0	-
B13	8	1.22	6	0.85
B14	30	4.56	29	4.08
B15	9	1.37	14	1.97
B17	4	0.61	7	1
B18	28	4.26	30	4.23
B21	2	0.3	2	0.28
B27	18	2.74	32	4.51
B35	42	6.38	36	5.07

B37	5	0.76	4	0.56
B38	15	2.28	28	3.94
B39	12	1.82	15	2.11
B40	20	3.04	14	1.97
B41	14	2.13	19	2.68
B42	12	1.82	17	2.39
B44	53	8.05	73	10.28
B45	38	5.78	44	6.2
B47	1	0.15	5	0.7
B49	54	8.21	34	4.79
B50	38	5.78	33	4.65
B51	72	10.94	64	9.01
B52	5	0.76	12	1.69
B53	17	2.58	19	2.68
B55	2	0.3	1	0.14
B56	1	0.15	2	0.28
B57	22	3.34	9	1.27
B58	21	3.19	36	5.07
B62	1	0.15	2	0.28
B63	18	2.74	11	1.55
B64	2	0.3	0	-
B65	0	-	1	0.14
B70	1	0.15	0	-
B71	0	-	1	0.14
B72	10	1.52	13	1.83
B73	1	0.15	0	-
B78	3	0.46	6	0.85

Table S3. Frequency of HLA-DRB1 allele groups by gender.

HLA-DRB1 Locus	Female (n=166, 332allele)		Male (n=157, 314allele)	
	Allele group	Allele Frequency	Allele group	Allele Frequency
	N	(%)	N	(%)
DRB1*01	28	8.43	20	6.37
DRB1*03	67	20.18	57	18.15
DRB1*04	41	12.35	41	13.06
DRB1*07	56	16.87	40	12.74
DRB1*08	7	2.11	9	2.87
DRB1*09	4	1.2	6	1.91
DRB1*10	3	0.9	3	0.96
DRB1*11	36	10.84	29	9.24
DRB1*12	0	-	4	1.27
DRB1*13	52	15.66	50	15.92
DRB1*14	2	0.6	4	1.27
DRB1*15	36	10.84	50	15.92
DRB1*16	0	-	1	0.32

Table S4. Frequency of HLA-DQB1 allele groups by gender.

HLA-DQB1 Locus	Female (n=166, 332 alleles)		Male (n=157, 314 alleles)	
	Allele group N	Allele Frequency (%)	Allele group N	Allele Frequency (%)
DQB1*02	120	36.14	94	29.94
DQB1*03	80	24.1	75	23.89
DQB1*04	19	5.72	16	5.1
DQB1*05	44	13.25	40	12.74
DQB1*06	69	20.78	88	28.03
DQB1*07	0	-	1	0.32