

Table S3: HLA allele frequencies in worldwide populations*

*Data were retrieved from <http://www.allelefrequencies.net>

A*01:01		A*02:01		A*03:01	
Population	Frequency (%)	Population	Frequency (%)	Population	Frequency (%)
Ireland South	44.8	Argentina Gran Chaco Western Toba Pilaga	60.0	Belgium	30.2
England North West	38.6	Mexico Mestizo	56.1	Austria	28.0
Ireland Northern	36.4	Greece pop 8	51.8	Ireland Northern	26.3
USA Caucasian Bethesda	28.7	Argentina Gran Chaco Eastern Toba	46.4	England North West	25.5
Belgium	29.2	Philippines Ivatan	48.0	France Southeast	23.8
Italy North pop 3	26.9	Austria	48.0	USA African American Bethesda	23.8
Sudan Central Shaigiya Mixed	27.8	Italy North pop 3	53.8	Romania	21.8
France Southeast	27.7	England North West	50.7	Ireland South	21.6
Austria	27.0	Italy Bergamo	46.5	USA Philadelphia Caucasian	21.5
Greece pop 8	25.3	Ireland Northern	46.8	USA Caucasian Bethesda	20.6
Romania	23.0	Belgium	50.0	Italy North pop 3	19.2
USA Philadelphia Caucasian	21.5	USA Caucasian Bethesda	47.8	Ghana Ga-Adangbe	19.1
Saudi Arabia Guraiaat and Hail	21.6	USA Philadelphia Caucasian	40.7	Brazil Belo Horizonte Caucasian	17.9
Tunisia	21.0	Romania	43.7	Cuba Mulatto	16.7
India Delhi pop 2	20.0	Ireland South	43.6	Cuba Caucasian	15.7
Mexico Mestizo	14.6	Brazil Belo Horizonte Caucasian	43.2	Greece pop 8	15.7
Cuba Caucasian	15.7	Argentina Gran Chaco Mataco Wichi	40.9	Saudi Arabia Guraiaat and Hail	14.1
Brazil Belo Horizonte Caucasian	13.7	Oman	39.8	India Delhi pop 2	13.3
Argentina Rosario Toba	15.1	France Southeast	38.5	Chile Santiago Mixed	13.0
USA African American Bethesda	14.8	Brazil Terena	38.3	Tunisia	13.0
Oman	14.4	Argentina Rosario Toba	34.9	South Africa Natal Zulu	12.0
Cuba Mulatto	14.3	Taiwan Taroko	36.4	Sudan Mixed	9.5
Chile Santiago Mixed	11.0	Saudi Arabia Guraiaat and Hail	33.3	Oman	9.3
Sudan Mixed	10.0	Cuba Caucasian	34.3	Mexico Mestizo	4.9
South Africa Natal Zulu	8.0	Cuba Mulatto	31.0	Indonesia Java Western	4.7
Indonesia Java Western	5.1	Tunisia	32.0	Argentina Rosario Toba	3.5
Ghana Ga-Adangbe	4.6	Sudan Mixed	33.0	Hong Kong Chinese	1.6
Hong Kong Chinese	2.1	Chile Santiago Mixed	30.0	Singapore Chinese	1.3
Taiwan Minnan pop 1	1.0	Taiwan Saisiat	21.6		
Singapore Chinese	0.7	Ghana Ga-Adangbe	19.1		
		Singapore Chinese	19.5		
		Sudan East Rashaida	18.5		
		Taiwan Minnan pop 1	17.6		

		USA African American Bethesda	16.8		
		Taiwan Thao	13.3		
		Taiwan Atayal	13.2		
		Indonesia Java Western	12.7		
		Hong Kong Chinese	11.9		
		Sudan Central Shaigiya Mixed	11.1		
		Taiwan Hakka	10.9		
		Taiwan Pazeh	10.9		
		Taiwan Bunun	7.9		
		Taiwan Paiwan	7.8		
		Taiwan Siraya	7.8		
		Taiwan Rukai	6.0		
		Taiwan Tsou	5.9		
		Taiwan Ami	5.1		
		South Africa Natal Zulu	5.0		
		Taiwan Puyuma	4.0		
		Taiwan Tao	4.0		
		India Delhi pop 2	3.3		

A*11:01		A*24:02		A*32:01	
Population	Frequency (%)	Population	Frequency (%)	Population	Frequency (%)
Taiwan Tao	62.0	Taiwan Tsou	98.0	Oman	18.6
Taiwan Hakka	60.0	Taiwan Paiwan	96.1	Greece pop 8	16.9
Taiwan Minnan pop 1	54.9	Taiwan Rukai	96.0	Sudan East Rashaida	14.8
Taiwan Pazeh	50.9	Taiwan Thao	90.0	Sudan Central Shaigiya Mixed	13.9
Hong Kong Chinese	48.8	Taiwan Puyuma	88.0	France Southeast	13.8
Singapore Chinese	47.7	Taiwan Saisiat	86.3	Italy Bergamo	11.9
Taiwan Thao	43.3	Taiwan Ami	84.7	Sudan Mixed	11.0
Taiwan Siraya	33.3	Taiwan Bunun	84.2	Scotland Orkney	10.0
Indonesia Java Western	30.1	Taiwan Atayal	82.1	Romania	9.8
Taiwan Saisiat	21.6	Taiwan Siraya	78.4	Ireland South	8.8
Taiwan Tsou	21.6	Taiwan Tao	78.0	USA Philadelphia Caucasian	7.4
Oman	21.2	Taiwan Taroko	72.7	Belgium	7.3
India Delhi pop 2	18.9	Taiwan Pazeh	58.2	Cuba Caucasian	7.1
Taiwan Bunun	18.8	Philippines Ivatan	58.0	Cuba Mulatto	7.1
Romania	15.8	Taiwan Minnan pop 1	34.3	Morocco Settat Chaouya	6.8
Italy North pop 3	15.4	Indonesia Java Western	25.8	Ireland Northern	6.1
Taiwan Atayal	15.1	Taiwan Hakka	25.5	India Delhi pop 2	5.6
Ireland Northern	15.0	Romania	23.8	Austria	5.5
Taiwan Taroko	14.5	Greece pop 8	21.7	England North West	5.4
Philippines Ivatan	14.0	USA Caucasian Bethesda	20.6	South Africa Natal Zulu	5.0

Singapore Chinese	4.7	Hong Kong Chinese	28.0	Morocco Settata Chaouya	6.8
Romania	4.6	Taiwan Puyuma	26.0	Italy North pop 3	6.7
Morocco Settata Chaouya	4.2	Taiwan Siraya	25.5	Chile Santiago Mixed	6.0
Taiwan Minnan pop 1	3.9	USA Caucasian Bethesda	12.4	USA African American Bethesda	4.2
France Southeast	3.8	Belgium	12.2	Sudan East Rashaida	3.7
USA Caucasian Bethesda	3.8	Cuba Mulatto	11.9	Cuba Mulatto	2.4
Taiwan Pazeh	3.6	England North West	11.4	Sudan Mixed	1.5
Argentina Gran Chaco Eastern Toba	3.5	USA Caucasian	11.0	India Delhi pop 2	1.1
Serbia pop 2	2.9	Ireland Northern	10.2	Saudi Arabia Guraia and Hail	0.5
Hong Kong Chinese	2.8	India Jalpaiguri Toto	10.0	Hong Kong Chinese	0.4
Greece pop 8	2.4	USA Philadelphia Caucasian	8.1		
Cuba Mulatto	2.4	Indonesia Java Western	7.2		
Ireland South	2.0	Japan Hyogo	6.3		
Taiwan Siraya	2.0	Austria	6.0		
Ireland Northern	1.8	Taiwan Tao	6.0		
Brazil Terena	1.7	Scotland Orkney	5.9		
Austria	1.5	Brazil Belo Horizonte Caucasian	5.3		
England North West	1.3	Ireland South	5.2		
India Delhi pop 2	1.1	France Southeast	4.6		
USA Philadelphia Caucasian	0.7	Romania	4.6		
Saudi Arabia Guraia and Hail	0.5	Cuba Caucasian	4.3		
		USA African American Bethesda	4.2		
		India Delhi pop 2	3.3		
		Serbia pop 2	2.9		
		Morocco Settata Chaouya	2.8		
		Chile Santiago Mixed	2.0		
		Sudan Mixed	1.5		
		United Arab Emirates pop 2	1.1		
		Saudi Arabia Guraia and Hail	0.5		

B*51:01	
Population	Frequency (%)
Italy North pop 3	46.6
Oman	33.1
Greece pop 8	30.1
Saudi Arabia Guraia and Hail	26.3
Serbia pop 2	23.5
Romania	20.4
Argentina Rosario Toba	18.6
Singapore Chinese	15.4
Brazil Belo Horizonte Caucasian	14.7

Tunisia	14.0
Cuba Caucasian	12.9
India Delhi pop 2	12.1
Sudan Mixed	11.5
France Southeast	11.5
Austria	10.0
Mexico Mestizo	9.8
Cuba Mulatto	9.5
England North West	9.4
Hong Kong Chinese	8.6
USA Philadelphia Caucasian	7.4
Argentina Gran Chaco Western To	7.1
Chile Santiago Mixed	7.0
Indonesia Java Western	6.4
Argentina Gran Chaco Eastern To	6.0
USA Caucasian Bethesda	5.4
USA African American Bethesda	5.3
Ireland Northern	5.2
Ghana Ga-Adangbe	3.8
Ireland South	3.6
Taiwan Siraya	2.0
Brazil Terena	1.7