

Table S1: Frequency dataset description. The designations and information presented for populations are based on the original publications and the online source of the data (www.strdna-db.org). Geographic coordinates were assigned in this work.

<i>Geographic Group</i>	<i>Population description</i> ¹	<i>Sampling location</i>	<i>Sample Size</i> ²	<i>Longitude</i> ³	<i>Latitude</i> ⁴	<i>Reference</i>	<i>ID</i>
<i>North Africa</i> (<i>NAF</i>)	Berber	Siwa	98	25.5	29.2	[1]	1
	Muslim	Adayma	99	32.6	25.2	[1]	2
	Copt	Adayma	100	32.6	25.2	[1]	3
	Berber	Asni	105	-8.0	31.2	[2]	4
	Berber	Sidi Bouhria	104	-2.3	34.9	[2]	5
	Berber	Makthar	42.8 (0.9)	9.2	35.9	[3]	6
	Arab	Zaghouan	44.6 (0.7)	10.1	36.4	[3]	7
	Arab	Casablanca	133.2 (4.7)	-7.6	33.6	[4]	8
	All	Sohag	265	31.7	26.6	[5]	9
<i>Sub-saharan Africa</i> (<i>SAF</i>)	Ovambo - Bantu	Windhoek	195	17.1	-22.6	[6]	10
	Caucasian*	Cape Town	98	18.4	-33.9	[7]	11
	sub-Saharan	Bata	134	9.8	1.9	[8]	12

	sub-Saharan	Cabinda	110	15.0	-9.2	[9]	13
	sub-Saharan	Maputo	142.2 (0.6)	32.6	-26.0	[10]	14
	sub-Saharan	Bissau	100	-15.6	11.9	[11]	15
	Hutu	Kigali	50.9 (1.0)	30.1	-1.9	[12]	16
	All	Dar es Salaam	208.4 (25.8)	39.3	-6.8	[13]	17
	Karimojong - Jie - Dodoth	Kotido	218	34.1	3.0	[14]	18
	sub-Saharan	Mogadishu	404	45.3	2.1	[15]	19
<i>Southwest Asia</i> (SWAS)	Caucasian	Dubai	224	55.3	25.3	[16]	20
	Arab	Riyadh	93.9 (0.3)	46.7	24.7	[16]	21
	Arab	Muscat	79	58.6	23.6	[16]	22
	Arab	Sana'a	101	44.2	15.4	[16]	23
	Arab	Tehran	93	51.4	35.7	[16]	24
	Caucasian	Van	116	43.4	38.5	[17]	25
	Caucasian	Ankara	198	32.4	39.7	[18]	26
	Arab	Damascus	117.2 (3.3)	36.3	33.5	[4]	27
	All	Doha	120	51.5	25.3	[19]	28
<i>South Asia</i> (SAS)	South Asians	Kabul	307.2 (44.1)	69.2	34.5	[20]	29
	South Asians	Thimphu	936	89.7	27.4	[21]	30
	South Asians*	Kathmandu	953	85.3	27.7	[21]	31

Sherpa	Namche Bazaar	105	86.8	27.9	[22]	32
South Asians	Kathmandu	111	85.3	27.7	[22]	33
South Asians	Dhaka	127	90.4	23.7	[23]	34
Gadaba	Orissa	56.0 (1.5)	84.6	20.2	[24]	35
KuviKhond	Orissa	46.2 (5.3)	84.6	20.2	[24]	36
Paroja	Orissa	53.1 (1.3)	84.6	20.2	[25]	37
Lotha - Naga	Nagaland	101.0 (2.4)	94.4	26.2	[24]	38
Baniya	Bihar	90	85.9	25.9	[26]	39
Reddy	Andhra Pradesh	17.9 (3.4)	80.8	16.2	[27]	40
Sakunapakshollu	Andhra Pradesh	21.5 (2.5)	80.8	16.2	[27]	41
Naga	Nagaland	15.2 (2.8)	94.4	26.2	[27]	42
IyengarBrahmin	Karnataka	65	76.3	15.0	[28]	43
Muslim*	Karnataka	45	76.3	15.0	[28]	44
Juangs	Orissa	50	84.6	20.2	[25]	45
Paroja	Orissa	77.6 (0.9)	84.6	20.2	[24]	46
Saora	Orissa	35	84.6	20.2	[25]	47
Kashmiri	Lahore	125	74.3	31.6	[29]	48
Brahmin	Madhya Pradesh	110	78.7	23.0	[30]	49
Rajbanshi	West Bengal	90.7 (0.8)	87.9	23.0	[31]	50

	Dhimal	West Bengal	65.8 (0.6)	87.9	23.0	[32]	51	
	Kora	West Bengal	59	87.9	23.0	[32]	52	
	Maheli	West Bengal	49	87.9	23.0	[31]	53	
	Southeast Asians	Java	105	109.9	-7.3	[23]	54	
	Malay	Kuala Lumpur	210	101.7	3.2	[33]	55	
	Southeast Asians	Quezon City	106	121.1	14.7	[34]	56	
	Southeast Asians	Hanoi	178	105.8	21.0	[35]	57	
	Southeast Asians	Bangkok	210	100.5	13.7	[36]	58	
	Indian*	Singapore city	174	103.9	1.3	[37]	59	
<i>Southeast Asia (SEAS)</i>	Malay	Singapore city	197	103.9	1.3	[38]	60	
	Chinese*	Singapore city	209	103.9	1.3	[39]	61	
	Chinese*	Singapore city	184	103.9	1.3	[40]	62	
	Malay	Singapore city	160.7 (1.1)	103.9	1.3	[40]	63	
	Malay	Kuala Lumpur	110	101.7	3.2	[41]	64	
	Iban	Petra Jaya	195	110.3	1.6	[42]	65	
	Bidayuh	Petra Jaya	195	110.3	1.6	[42]	66	
	Melanau	Petra Jaya	128	110.3	1.6	[42]	67	
	<i>Europe (EUR)</i>	Caucasian	Leuven	222	4.7	50.9	[43]	68
		Romanies*	Debrecen	110	21.6	47.5	[44]	69
Ashkenazi*		Budapest	178	19.0	47.5	[44]	70	

Caucasian	Sicily	220	13.8	37.2	[45]	71
Caucasian	Barcelona	203.9 (0.3)	2.2	41.4	[46]	72
Caucasian	Biscay	71.3 (1.8)	-2.9	43.2	[47]	73
Caucasian	Seville	198.1 (2.5)	-6.0	37.4	[48]	74
Caucasian	Madrid	338.0 (4.1)	-3.7	40.4	[49]	75
Caucasian	Huelva	114	-6.9	37.3	[50]	76
Caucasian	Funchal	125.1 (47.7)	-16.9	32.6	[51]	77
Caucasian	Angra do Heroismo	98.9 (1.0)	-27.2	38.7	[52]	78
Caucasian	Porto	200	-8.6	41.2	[53]	79
Caucasian	Novi Sad	100	19.9	45.3	[54]	80
Caucasian	Skopje	100	21.4	42.0	[55]	81
Romanies*	Skopje	102	21.4	42.0	[55]	82
Caucasian	Minsk	176	27.6	54.0	[56]	83
Caucasian	Sarajevo	183.2 (41.8)	18.4	43.9	[57]	84
Caucasian	Sarajevo	100	18.4	43.9	[58]	85
Romanies*	Cakovec	100	16.4	46.4	[59]	86
Caucasian	Gdansk	145	18.6	54.4	[60]	87
Caucasian	Warsaw	430	21.0	52.2	[61]	88

Caucasian	Warsaw	870	21.0	52.2	[62]	89
Albanians	Pristina	136	21.2	42.7	[63]	90
Caucasian	Seville	47.8 (5.0)	-6.0	37.4	[64]	91
Caucasian	Stockholm	306.8 (6.4)	18.1	59.3	[65]	92
Caucasian	Athens	298.3 (0.5)	23.7	38.0	[66]	93
Caucasian	Presov	137.2 (1.6)	21.2	49.0	[67]	94
Gipsy*	Presov	137.2 (1.6)	21.2	49.0	[67]	95
Caucasian	Lodz	1000	19.5	51.8	[68]	96
Caucasian	Pomorze	600	14.5	53.4	[69]	97
	Zachodnie					
Caucasian	Minsk	1085.5 (38.8)	27.6	54.0	[70]	98
Caucasian	Zagreb	200	16.0	45.8	[71]	99
Caucasian	Coimbra	2113.5 (16.1)	-8.4	40.2	[72]	100
Caucasian	Ponta Delgada	473.9 (1.8)	-25.7	37.7	[72]	101
Caucasian	Pskov	62	28.3	57.8	[73]	102
Caucasian	Velikiy Novgorod	59	32.1	57.6	[73]	103
Caucasian	Saratov	52	46.0	51.5	[73]	104
Caucasian	Vody	60	43.1	44.2	[73]	105

	Altaiian	Kemerovo	68	86.1	55.4	[74]	106
	Tofalar	Kemerovo	35	86.1	55.4	[74]	107
	Sojot	Kemerovo	29	86.1	55.4	[74]	108
	Khakas	Kemerovo	50.9 (0.3)	86.1	55.4	[74]	109
	Buryat	Kemerovo	78	86.1	55.4	[74]	110
<i>Central Asia</i>	Altaiian - Kizhi	Kemerovo	80	86.1	55.4	[74]	111
<i>(CAS)</i>	Mongol	Kemerovo	39.9 (7.5)	86.1	55.4	[74]	112
	Tuva	Kemerovo	78.8 (4.4)	86.1	55.4	[74]	113
	Chukcha	Kemerovo	15	86.1	55.4	[74]	114
	Even	Kemerovo	14	86.1	55.4	[74]	115
	Khamnigan	Kemerovo	94.9 (0.3)	86.1	55.4	[74]	116
	Koreans*	Kemerovo	49	86.1	55.4	[74]	117
	Aboriginal	Winnellie	1106.0 (159.4)	130.9	-12.4	[75]	118
<i>Australia</i>	Asian*	Winnellie	342.9 (167.8)	130.9	-12.4	[75]	119
<i>(AUS)</i>	East Timorese*	Winnellie	258.0 (34.2)	130.9	-12.4	[75]	120

<i>North America</i> (NAM)	Athabaskan	Juneau	101	-134.6	58.4	[76]	121
	Inupiat	Juneau	109	-134.6	58.4	[76]	122
	Yupik	Juneau	100	-134.6	58.4	[76]	123
	African American*	Minnesota	157	-94.7	46.7	[77]	124
	Hispanic*	Minnesota	151	-94.7	46.7	[77]	125
	Native American	Minnesota	203	-94.7	46.7	[77]	126
<i>East Asia</i> (EAS)	Asian	Saitama	164	139.6	35.9	[78]	127
	Hmar	Ulaanbaatar	80	106.9	47.9	[79]	128
	Mara	Ulaanbaatar	90	106.9	47.9	[79]	129
	Lai	Ulaanbaatar	92	106.9	47.9	[79]	130
	Lusei	Ulaanbaatar	92	106.9	47.9	[79]	131
	Tibetan	Xining	850	101.8	36.6	[80]	132
	Chinese*	Hong Kong Island	325	114.2	22.3	[81]	133
	Chinese	Shantou	286.2 (2.9)	116.7	23.4	[82]	134
	Miao	Guangzhou	140.9 (0.3)	113.3	23.1	[83]	135
	Yi	Guangzhou	164.8 (0.4)	113.3	23.1	[83]	136
Hui	Guangzhou	143.8 (0.4)	113.3	23.1	[83]	137	
Han	Shantou	121.5 (1.1)	116.7	23.4	[82]	138	

	Chinese	Chengdu	200	104.1	30.7	[84]	139
	Chinese*	Suzhou	100	120.6	31.3	[85]	140
	Salar	Qinghai	97.3 (1.9)	101.8	36.6	[86]	141
	Han	Henan	207.9 (0.3)	113.7	34.8	[87]	142
	Yi	Yunnan	120	102.7	25.0	[88]	143
	Tujia	Hunan	98	113.0	28.2	[89]	144
	Han	Guangzhou	501	113.3	23.1	[90]	145
	Han	Yunnan	95.1 (1.0)	102.7	25.0	[91]	146
	Han	Yunnan	113.2 (16.3)	102.7	25.0	[91]	147
	Nu	Yunnan	68.9 (9.9)	102.7	25.0	[91]	148
	Tibetan	Yunnan	55.1 (11.4)	102.7	25.0	[91]	149
	DuLong	Yunnan	41.0 (6.4)	102.7	25.0	[91]	150
	Lisu	Yunnan	49.8 (0.6)	102.7	25.0	[91]	151
	Yi	Yunnan	43.5 (6.3)	102.7	25.0	[91]	152
	Han	Shaanxi	446	108.4	35.6	[92]	153
	Han	Liaoning	358	123.4	41.8	[93]	154
<i>Central and South America (CSAM)</i>	Amerindian Kichwas	Quito	115	-78.5	-0.2	[94]	155
	All*	Lima	100	-77.0	-12.1	[95]	156
	All*	San Jose	496	-84.1	9.9	[96]	157

All*	San Salvador	228	-89.2	13.7	[97]	158
Conchagua	San Salvador	49	-89.2	13.7	[98]	159
Indigenous SanAlejo	San Salvador	52.9 (0.3)	-89.2	13.7	[98]	160
Indigenous Panchimalco	San Salvador	35	-89.2	13.7	[98]	161
Indigenous Izalco	San Salvador	36	-89.2	13.7	[98]	162
All*	Caracas	255	-66.9	10.5	[99]	163
All*	Maracaibo	203	-71.6	10.6	[100]	164
All*	Santander	309.2 (138.3)	-73.5	6.9	[101]	165
All*	Antioquia	364	-75.5	7.2	[102]	166
All*	Neuquen	111	-68.1	-38.9	[103]	167
All*	Buenos Aires	502.5 (26.5)	-58.4	-34.6	[104]	168
All*	Santa Fe	549.2 (30.4)	-60.7	-31.7	[104]	169
All*	Formosa	75.9 (4.7)	-58.2	-26.2	[104]	170
All*	Chaco	55.0 (2.2)	-60.9	-26.0	[104]	171
All*	Corrientes	42.2 (2.2)	-58.8	-27.5	[104]	172
All*	Buenos Aires	143	-58.4	-34.6	[105]	173

All*	Brasilia	13180.8 (3416.8)	-47.9	-15.8	[106]	174
All*	Bahia	150	-42.0	-13.4	[107]	175
Mestizo*	Tegucigalpa	198	-87.5	15.1	[108]	176
All*	Buenos Aires	201.4 (1.0)	-58.4	-34.6	[109]	177
All*	Minas Gerais	14100.4 (6439.8)	-43.8	-17.9	[110]	178
Mestizo*	Guatemala City	200	-90.5	14.6	[111]	179
All*	New Providence	221	-77.4	25.0	[112]	180
Mixed*	Sao Paulo	553.8 (13.4)	-46.6	-23.5	[113]	181
Garifuna*	Bajamar	44.1 (5.3)	-87.8	15.9	[114]	182
Garifuna*	Corozal	52.5 (1.8)	-86.1	15.4	[114]	183
Garifuna*	Iriona	64.2 (0.8)	-85.1	15.9	[114]	184
Mestizo*	Mexico City	376.6 (1.7)	-99.1	19.4	[115]	185
Mestizo*	Jalisco	309	-103.9	20.2	[116]	186
Mestizo*	Puebla	312.9 (0.3)	-101.3	25.4	[116]	187
Mestizo*	Yucatan	262	-89.1	20.7	[116]	188
Mestizo*	Quindio	79.6 (1.1)	-75.7	4.5	[117]	189
All*	Santa Catarina	2992.0 (14.4)	-26.9	-49.4	[118]	190

- 1:** As defined in the original reference (the * marks the *possibly admixed* populations as per our criteria, see main text)
- 2:** Sample size, in number of individuals. Average sample size (standard deviation) is reported when variable among loci
- 3/4:** Geographic coordinates in decimal degrees

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