Table S2: Genotype dataset description. The designations and information presented for populations are based on the original publications (http://cracs.fc.up.pt/popaffiliator). Geographic coordinates were assigned in this work.

Group	***Population description***[1]	***Sample Size***[2]	***Longitude***[3]	***Latitude***[4]	***Reference***	***ID***
North Africa (NAF)	Libya	103	*17.6*	*27.1*	[1]	1
	Egypt Upper	265	*30.4*	*23.1*	[2]	2
	Morroco	209	*-6.9*	*31.5*	[3]	3
Sub-saharan Africa (SAF)	Namibia Bantus	195	*16.9*	*-22.5*	[4]	4
	Somalia	404	*45.5*	*3.9*	[5]	5
Southwest Asia (SWAS)	UAE	217	*54.3*	*23.6*	Unpublished	6
	Yemen	99	*46.7*	*15.3*	Unpublished	7
	Iran	104	*54.0*	*32.3*	Unpublished	8
	Kuwait	502	*47.5*	*29.4*	[6]	9

	Oman	99	*56.4*	*20.0*	Unpublished	10
	Saudi Arabia	106	*43.7*	*24.7*	Unpublished	11
Europe (EUR)	Portugal Azores	475	*-27.3*	*38.7*	[7]	12
	Italy	441	*13.1*	*42.4*	[8]	13
	Portugal Center	2125	*-8.3*	*40.1*	[7]	14
	Belgium Flemish	272	*4.4*	*50.8*	[9]	15
	Poland	1600	*19.3*	*52.1*	[10]	16
	Romania	222	*25.2*	*45.6*	[11]	17
	Greece	300	*22.4*	*39.0*	[12]	18
	Eastern Slovak	138	*21.6*	*48.9*	[13]	19
	Portugal South	48	*-8.1*	*37.5*	Unpublished	20
	Spain	114	*-3.3*	*40.2*	[14]	21
	Russia - European part	384	*35.8*	*56.1*	[15]	22
East Asia (EAS)	China Chongming Island	1000	*121.6*	*31.6*	[16]	23
	China Han	604	*103.5*	*28.7*	[17]	24
	China Lisu	25	*98.9*	*25.9*	[17]	25
	China Nu	36	*99.4*	*26.5*	[17]	26
	China Tibetan	31	*100.6*	*25.7*	[17]	27
	Siberia Korean*	49	*129.1*	*35.8*	[18]	28
	Thailand	210	*101.1*	*15.4*	[19]	29

Central Asia (CAS)	Siberia Altay	68	*90.0*	*52.0*	[18]	30
	Siberia Altay Kizhi	80	*89.6*	*51.5*	[18]	31
	Siberia Buryat	78	*107.9*	*52.2*	[18]	32
	Siberia Khakas	51	*94.2*	*55.5*	[18]	33
	Siberia Khamnigan	95	*112.7*	*50.8*	[18]	34
	Siberia Mongol	42	*106.2*	*49.3*	[18]	35
	Siberia Sojot	29	*104.8*	*50.9*	[18]	36
	Siberia Tofalar	35	*97.9*	*54.0*	[18]	37
	Siberia Tuva	80	*95.2*	*51.9*	[18]	38
Northeast Asia (NEAS)	Siberia Chukchi	15	*171.7*	*66.9*	[18]	39
	Siberia Koryak	32	*160.3*	*64.0*	[18]	40
	Siberia Even	14	*151.0*	*61.3*	[18]	41
Central and South America (CSAM)	Ecuador Kichwas	151	*-79.3*	*-2.5*	Unpublished	42
	Ecuador Waoranis	34	*-78.9*	*0.6*	Unpublished	43

1: As defined in the original reference (the * marks the *possibly admixed* populations as per our criteria, see main text)

2: Number of individuals

3/4: Geographic coordinates in decimal degrees

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