

Table S1: GM haplotype frequencies in groups of populations from Europe, Africa and Western Asia.

Population	Abbrev.	N	Region*	GM*1,17 5	GM*1 21	GM*1,2 21	GM*3 5 a	GM* 1,17 16	Others	Genetic Diversity (H ± S.D.)	References
1 Galicia (Spain) ^M	GALC	357	IB	0.045	0.199	0.075	0.679	0.001	0.000	0.491 ± 0.027	[1]
2 Pas Mountains (Spain) ^M	CANT	98	IB	0.025	0.323	0.036	0.571	0.046	0.000	0.569 ± 0.036	[2]
3 Biscay Basques (Spain) ^M	VIZC	86	IB	0.023	0.289	0.072	0.604	0.012	0.000	0.554 ± 0.043	[3]
4 Alava Basques (Spain) ^M	ALAV	122	IB	0.012	0.242	0.083	0.648	0.004	0.011	0.505 ± 0.040	[3]
5 Gipuzkoa Basques (Spain) ^M	GUIP	97	IB	0.021	0.350	0.021	0.592	0.016	0.000	0.536 ± 0.033	[3]
6 Navarre Basques (Spain) ^M	NAVA	118	IB	0.013	0.281	0.075	0.622	0.000	0.009	0.533 ± 0.037	[4]
7 Pyrenees (Spain) ^M	SPYR	388	IB	0.026	0.264	0.069	0.639	0.003	0.000	0.518 ± 0.022	[5, 6]
8 Valencia (Spain) ^M	VALC	186	IB	0.019	0.215	0.089	0.677	0.000	0.000	0.494 ± 0.035	[7]
9 Huelva (Andalucía, Spain) ^M	ANDL1	252	IB	0.038	0.232	0.034	0.689	0.004	0.004	0.473 ± 0.030	[8]
10 Granada (Andalucía, Spain) ^M	ANDL2	195	IB	0.044	0.199	0.051	0.696	0.005	0.005	0.477 ± 0.037	<i>Present study</i>
11 Canary Islands (Spain) ^M	CANR	99	IB	0.026	0.247	0.077	0.650	0.000	0.000	0.521 ± 0.046	[9]
12 Portugal ^M	PORT	419	IB	0.020	0.209	0.076	0.695	0.000	0.000	0.469 ± 0.024	[10]
13 France ^M	FRAN	2 314	EUR	0.009	0.205	0.089	0.697	0.000	0.000	0.464 ± 0.010	[11]
14 Macaye Basques (France) ^M	MACY	123	EUR	0.004	0.201	0.071	0.724	0.000	0.000	0.433 ± 0.045	[12]
15 St.-Jean-Pied-de-Port Basques (France) ^M	SJPP	100	EUR	0.010	0.269	0.056	0.660	0.005	0.000	0.493 ± 0.043	[12]
16 Mauleon Basques (France) ^M	MAUL	253	EUR	0.014	0.232	0.076	0.674	0.004	0.000	0.489 ± 0.030	[12]
17 Corsica (France) ^M	CORS	138	EUR	0.040	0.140	0.067	0.763	0.000	0.000	0.408 ± 0.048	[11]
18 England	ENGL	1 000	EUR	0.000	0.229	0.119	0.652	0.000	0.000	0.509 ± 0.014	[13]
19 Scotland	SCOT	355	EUR	0.000	0.211	0.119	0.670	0.000	0.000	0.492 ± 0.008	[10]
20 Ireland	IRLN	294	EUR	0.000	0.217	0.144	0.639	0.000	0.000	0.525 ± 0.026	[13]
21 Iceland	ICEL	585	EUR	0.000	0.222	0.173	0.605	0.000	0.000	0.556 ± 0.016	[10]
22 Denmark	DENM	1 000	EUR	0.000	0.214	0.124	0.662	0.000	0.000	0.501 ± 0.015	[13]
23 Norway	NORW	879	EUR	0.000	0.230	0.147	0.623	0.000	0.000	0.538 ± 0.014	[10]
24 Germany	GERM	18 187	EUR	0.000	0.190	0.094	0.716	0.000	0.000	0.443 ± 0.004	[10]
25 Poland	POLN	1 205	EUR	0.000	0.149	0.056	0.795	0.000	0.000	0.343 ± 0.016	[10]
26 Netherlands	NETH	709	EUR	0.004	0.188	0.103	0.705	0.000	0.000	0.458 ± 0.019	[13]
27 Austria	AUST	1 602	EUR	0.000	0.185	0.074	0.741	0.000	0.000	0.412 ± 0.013	[14]
28 Hungary	HUNG	184	EUR	0.003	0.144	0.050	0.789	0.014	0.000	0.358 ± 0.041	[10]
29 Czechoslovakia	CZEC	2 665	EUR	0.001	0.168	0.061	0.770	0.000	0.000	0.376 ± 0.010	[10]

30	Italy ^M	ITA1	682	EUR	0.007	0.176	0.039	0.778	0.000	0.000	0.364 ± 0.020	[10, 15]
31	Pavia (Italy) ^M	ITA2	277	EUR	0.016	0.119	0.038	0.820	0.007	0.000	0.314 ± 0.034	[16]
32	Sicily-Madonie (Italy) ^M	SICL	297	EUR	0.035	0.159	0.044	0.760	0.002	0.000	0.394 ± 0.032	[17]
33	Sardinia (Italy) ^M	SAR1	441	EUR	0.029	0.127	0.013	0.830	0.001	0.000	0.295 ± 0.026	[10, 18]
34	Sardinia (Italy) ^M	SAR2	1 208	EUR	0.023	0.107	0.006	0.832	0.002	0.030	0.294 ± 0.016	[18]
35	Yugoslavia ^M	YUGS	1 230	EUR	0.009	0.145	0.044	0.802	0.000	0.000	0.334 ± 0.016	[10]
36	Croatia ^M	CRO1	869	EUR	0.004	0.125	0.040	0.829	0.002	0.000	0.297 ± 0.019	[19]
37	Pag Islands (Croatia) ^M	CRO2	691	EUR	0.011	0.121	0.035	0.829	0.001	0.003	0.299 ± 0.021	[20]
38	Albania ^M	ALBA	112	EUR	0.027	0.214	0.013	0.742	0.004	0.000	0.397 ± 0.047	JM Dugoujon (unpublished)
39	Greece ^M	GREC	129	EUR	0.006	0.162	0.014	0.818	0.000	0.000	0.305 ± 0.015	[10]
40	Druzes, Maronites (Lebanon) ^M	LIBA	216	NEA	0.032	0.149	0.012	0.768	0.019	0.020	0.387 ± 0.038	JM Dugoujon (unpublished)
41	Yemenites (North Yemen)	YEME	144	MEA	0.307	0.144	0.010	0.500	0.039	0.000	0.638 ± 0.025	[21]
42	Khenifra Berbers (Morocco) ^M	MBE1	147	NAF	0.201	0.306	0.017	0.473	0.000	0.003	0.642 ± 0.020	[22]
43	Bouhria Berbers (Morocco) ^M	MBE2	134	NAF	0.112	0.347	0.019	0.515	0.000	0.007	0.609 ± 0.026	[22]
44	Doukkala Arabs (Morocco) ^M	MARB	98	NAF	0.215	0.267	0.021	0.476	0.000	0.021	0.660 ± 0.028	[22]
45	Kabylie Berbers (Algeria) ^M	ABE1	227	NAF	0.205	0.231	0.018	0.538	0.009	0.000	0.617 ± 0.023	[21]
46	Ghardaia Berbers (Algeria) ^M	ABE2	108	NAF	0.204	0.299	0.048	0.435	0.014	0.000	0.685 ± 0.023	[21]
47	Sened Berbers (Tunisia) ^M	TBE1	63	NAF	0.208	0.297	0.009	0.486	0.000	0.000	0.646 ± 0.033	[23]
48	Chenini-Douiret Berbers (Tunisia) ^M	TBE2	107	NAF	0.075	0.308	0.000	0.617	0.000	0.000	0.524 ± 0.036	[24]
49	Takrouna-Jeradou Berbers (Tunisia) ^M	TBE3	124	NAF	0.326	0.270	0.004	0.400	0.000	0.000	0.662 ± 0.012	[24]
50	Jerba Berbers (Tunisia) ^M	TBE4	63	NAF	0.135	0.272	0.016	0.500	0.008	0.069	0.666 ± 0.043	[25]
51	Jerba Arabs (Tunisia) ^M	TAR1	91	NAF	0.115	0.290	0.028	0.562	0.000	0.005	0.589 ± 0.039	[25]
52	Mahdia Arabs (Tunisia) ^M	TAR2	236	NAF	0.102	0.226	0.051	0.617	0.004	0.000	0.556 ± 0.029	[26]
53	Sfax Arabs (Tunisia) ^M	TAR3	142	NAF	0.147	0.257	0.022	0.570	0.004	0.000	0.592 ± 0.032	[27]
54	Tripoli and Benghazi (Lybia) ^M	LIBY	168	NAF	0.124	0.292	0.049	0.535	0.000	0.000	0.614 ± 0.026	[28]
55	Siwa Oasis (Egypt) ^M	EGY1	176	NAF	0.313	0.045	0.009	0.440	0.014	0.179	0.679 ± 0.019	JM Dugoujon (unpublished)
56	Cairo (Egypte) ^M	EGY2	244	NAF	0.293	0.100	0.023	0.524	0.000	0.060	0.629 ± 0.022	[10]
57	Issa (Djibouti)	DJIB	144	SAF	0.455	0.243	0.018	0.257	0.024	0.004	0.673 ± 0.021	[21]
58	Amahra & Tigre (Ethiopia, Gondar)	ETH1	175	SAF	0.511	0.128	0.020	0.277	0.040	0.023	0.647 ± 0.026	[21]
59	Sidamos (Ethiopia)	ETH2	140	SAF	0.400	0.236	0.018	0.157	0.027	0.162	0.741 ± 0.020	[29]
60	Bwa (Mali)	MALI	600	SAF	0.993	0.007	0.000	0.000	0.000	0.000	0.013 ± 0.007	[21]
61	Baoule (Ivory Coast)	IVOC	198	SAF	1.000	0.000	0.000	0.000	0.000	0.000	0.000	[21]
62	Aka Pygmies (Central African Republic)	CAFR	900	SAF	1.000	0.000	0.000	0.000	0.000	0.000	0.000	[21]
63	Angola	ANGO	111	SAF	0.793	0.000	0.000	0.000	0.000	0.207	0.332 ± 0.045	[30]

64	Kuanyama (Namibia)	NAM1	118	SAF	0.696	0.000	0.000	0.000	0.000	0.304	0.428 ± 0.033	[30]
65	Khoikhoi (Namibia)	NAM2	191	SAF	0.429	0.000	0.048	0.000	0.000	0.523	0.542 ± 0.015	[31]
66	Tonga (Zambia)	ZAM1	120	SAF	0.681	0.000	0.000	0.000	0.000	0.318	0.436 ± 0.032	[30]
67	Mlozi (Zambia)	ZAM2	189	SAF	0.653	0.000	0.000	0.000	0.000	0.347	0.457 ± 0.021	[30]
68	Nyambaan (Mozambique)	MOZA	119	SAF	0.716	0.000	0.000	0.000	0.000	0.284	0.411 ± 0.036	[30]
69	Malagasy (Madagascar)	MADA	231	SAF	0.680	0.013	0.000	0.000	0.000	0.307	0.445 ± 0.024	[21]
70	Zulu (South Africa)	SAFR	130	SAF	0.509	0.000	0.000	0.000	0.000	0.491	0.504 ± 0.006	[30]

* *IB* = Iberian Peninsula, *EUR* = Europe, *NEA* = Near East, *MEA* = Middle East, *NAF* = North Africa, *SAF* = Sub-Saharan Africa.

^M Analyzed Mediterranean space populations (N= 43)

^a GM*3 5 = GM*3 23 5* + GM*3 23' 5*.

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