



DNA Tribes® SNP Report for Laurie Leigh

Introduction

DNA Tribes® SNP is a geographical analysis that uses autosomal SNPs (Single Nucleotide Polymorphisms) to identify your **Deep Ancestry** (ancient ancestry). Your autosomal DNA is inherited 50% from your paternal and 50% from your maternal ancestors, including genetic material from all four grandparents. This Deep Ancestry analysis emphasizes the more ancient genetic links between world populations, rather than a more limited search for family relatives or recent nationality or ethnicity.

Your report includes several types of analysis, each providing a different perspective on your Deep Ancestry: (1) **Admixture Analysis** based on DNA Tribes® proprietary analysis of world population structure; (2) **Multi-Dimensional Scaling (MDS)** to visualize your genotype's position among populations and regions; and (3) **Total Similarity Analysis** based on how your genotype as a whole compares to members of ethnic groups around the world.

Table of Contents

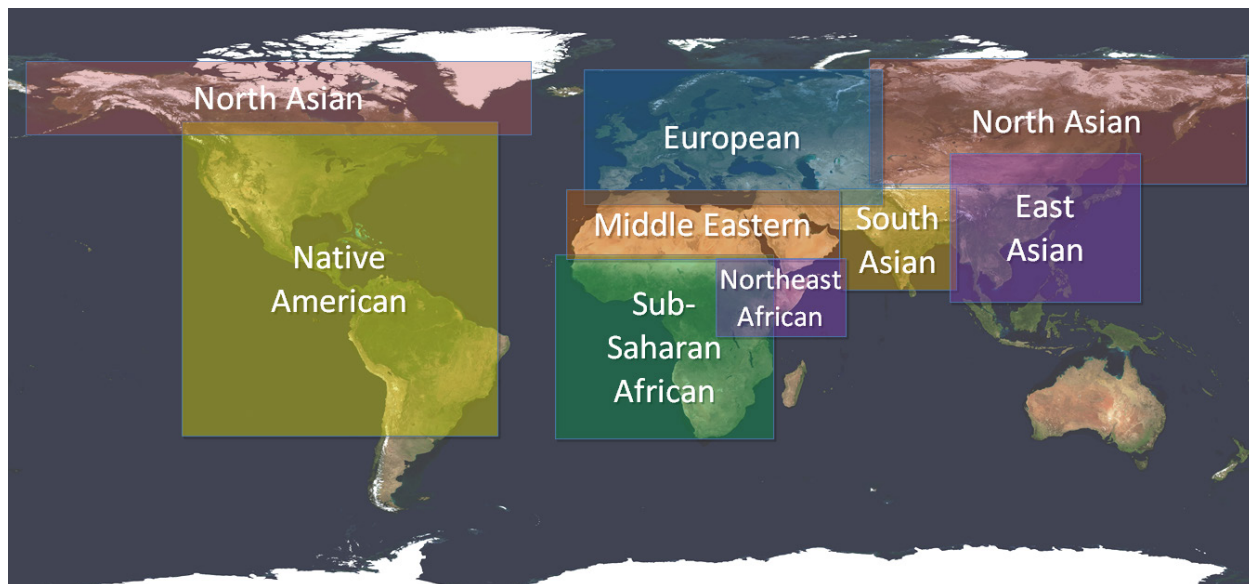
Introduction	1
Admixture Analysis: 8 Continental Zones	3
Admixture Analysis: 24 World Regions	4
Description of World Regions	5
Admixture Analysis: Native Populations	6
Admixture Analysis: All Populations (including Diasporic)	7
Multi-Dimensional Scaling (MDS): 8 Continental Zones	8
Multi-Dimensional Scaling (MDS): 24 World Regions	9
Multi-Dimensional Scaling (MDS): Native Populations	10
Multi-Dimensional Scaling (MDS): All Populations (including Diasporic)	11
Total Similarity: Shaded World Grid	12
Total Similarity: African Populations	13
Total Similarity: Caucasus Mountains Populations	16
Total Similarity: East Asian Populations	16
Total Similarity: European Populations	19
Total Similarity: Middle Eastern Populations	21



Total Similarity: Native American Populations	23
Total Similarity: North Asian Populations	24
Total Similarity: Oceanian Populations	26
Total Similarity: South Asian Populations	27
Total Similarity: Diasporic Populations	30
Total Similarity: List of All Populations	32

Admixture Analysis: 8 Continental Zones

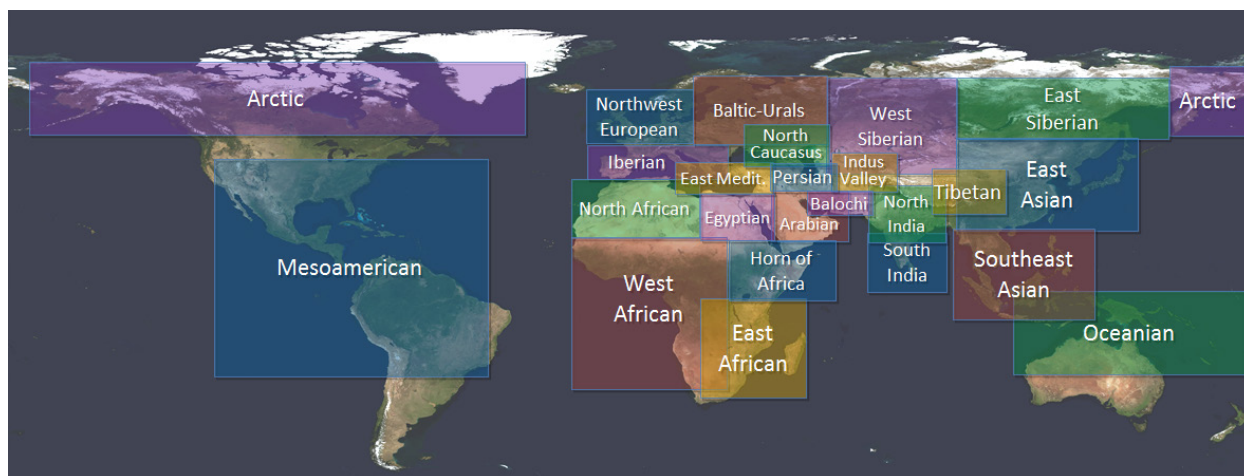
This portion of your report identifies ancestral contributions to your genome from 8 continental zones (illustrated in the map below). These continental zones can include multiple cultures and languages and cross perceived boundaries between modern nations and ethnic groups. Your results below can express recent genealogical ancestry, as well as more ancient relationships among world populations.



Continent	Percentage
European	91.6%
Middle Eastern	6.3%
Native American	2.1%
East Asian	0.0%
North Asian	0.0%
Sub-Saharan African	0.0%
South Asian	0.0%
Northeast African	0.0%

Admixture Analysis: 24 World Regions

This portion of your report identifies ancestral contributions to your genome from 24 world regions (illustrated in the map below) identified by DNA Tribes® proprietary statistical analysis of world population structure. These genetic regions can include multiple cultures and languages and can cross perceived boundaries between modern countries and ethnic groups (see page 5 for more detailed descriptions). Your results below can express recent genealogical ancestry, as well as more ancient relationships among world populations.



Region	Percentage
Northwest European	40.5%
Iberian	27.4%
Baltic-Urals	10.4%
East Mediterranean	6.9%
North African	6.5%
Mesoamerican	3.0%
Persian	2.4%
Egyptian	1.5%
Oceanian	0.6%
Arabian	0.3%
Indus Valley	0.2%
Arctic	0.2%
Horn of Africa	0.1%

East Asian	0.0%
North India	0.0%
East African	0.0%
West Siberian	0.0%
Tibetan	0.0%
Balochi	0.0%
North Caucasian	0.0%
West African	0.0%
Southeast Asian	0.0%
South India	0.0%
East Siberian	0.0%

Description of World Regions

More detailed descriptions of the 24 world regions used in your admixture analysis (see page 4) are provided below. These regions have been identified by DNA Tribes® proprietary statistical analysis to provide the most detailed and representative comparison of your DNA to world population structure.

World Region	Description of World Region	Other Related Populations
Arabian	The Arabian Peninsula. Gulf Arabs; Bedouin.	Southwest Asia.
Arctic	Far East Siberians; Inuit (Eskimo) populations of North America.	Other North American Indians; Northern Asia.
Balochi	Southwest Asia near the Arabian Sea.	
Baltic-Urals	Northeastern Europe between the Baltic Sea and Ural Mountains.	Central and Northern Europe; Siberia.
East African	Eastern and Southern Africa.	West Africa.
East Asian	China and Japan.	Mainland Southeast Asia.
East Mediterranean	Cyprus; the Levant; Transcaucasus.	Sicily; Italy; West Asia; Balkan Peninsula.
East Siberian	Indigenous East Siberians.	Central Asia; Northeast Asia.
Egyptian	Nile Valley; Western Arabian Peninsula.	Red Sea; Levant.
Horn of Africa	Somalia; Ethiopia; Maasai.	Eastern Africa; Nile Valley.
Iberian	West Mediterranean.	Throughout Continental Europe.
Indus Valley	Indus River Valley; Hindu Kush Mountains.	Central Asia; Nepal; Northern India.
Mesoamerican	Indigenous populations of North, Central and South America.	
North African	The Maghreb and Sahara Desert.	Southwestern Europe.
North Caucasus	The Northern Caucasus Mountains.	West Asia.
North India	Northern India.	Brahmins throughout India.
Northwest European	The British Isles; Western Europe; Scandinavia.	Throughout Continental Europe.
Oceanian	Melanesian populations of the Pacific Ocean.	Polynesians.
Persian	Lake Urmia; Zagros and Elburz Mountains.	West Asia.
South India	Southern and Eastern India.	Northern India; Southeast Asia.
Southeast Asian	Malay Archipelago; Polynesia; Mainland Southeast Asia.	Eastern India.
Tibetan	Tibetan Plateau.	Highland East Asia.
West African	Western Africa.	Southern Africa.
West Siberian	Yenisei River; Altai Mountains.	Central Asia; East Siberia.

Admixture Analysis: Native Populations

This portion of your report identifies ancestral contributions to your genome from native populations. These mixture percentages do not indicate percentages of nationality or ethnicity. Instead, mixture results below express geographical signals of ancestry based on the populations sampled in our database. These genetic signals can reflect present day ethnicity, as well as more ancient links between populations through shared origins, migrations, and trade contacts.

Population	Percentage
England	12.5%
France	11.9%
Tuscany Italy	9.4%
Lithuania	9.0%
Armenian	6.4%
Druze Israel-Carmel	5.5%
Basque Spain	4.6%
Western Scotland and Ireland	4.4%
Finland	4.1%
Dharkar India	3.8%
Scandinavia	3.7%
Hungary	3.7%
Bergamo Italy	3.3%
Tunisia	3.2%
Karitiana Brazil	2.8%
Andalusia Spain	2.7%
Bulgaria	2.7%
Khomani San South Africa	1.9%
Slovenia	1.5%
Algeria	0.8%
Spain	0.7%
Basque France	0.6%
Iran	0.3%
Orkney Islands Scotland	0.3%
Papuan New Guinea	0.2%
Aymara La Paz Bolivia	0.0%
Egypt 1	0.0%

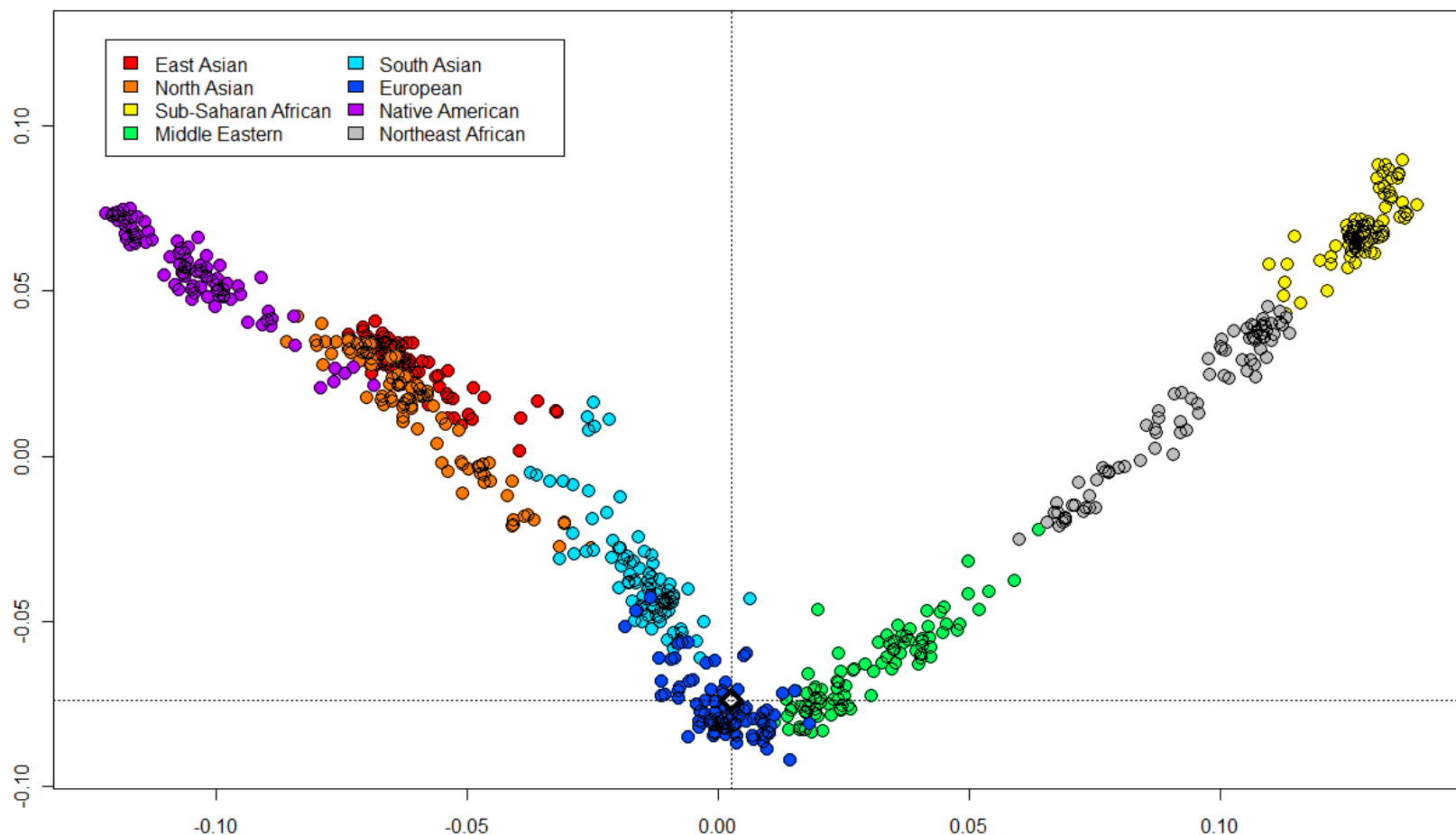
Admixture Analysis: All Populations (including Diasporic)

This portion of your report identifies ancestral contributions to your genome from all world populations in our database, including modern populations that have mixed and migrated within the past 500 years. These mixture percentages do not indicate percentages of nationality or ethnicity. Instead, mixture results below express geographical signals of ancestry based on the populations sampled in our database. These genetic signals can reflect present day ethnicity, as well as more ancient links between populations through shared origins, migrations, and trade contacts.

Population	Percentage
European-American Utah	23.3%
France	9.0%
England	8.3%
Lithuania	8.1%
Armenian	5.8%
Druze Israel-Carmel	5.1%
Tuscany Italy	4.9%
Dharkar India	3.7%
Basque Spain	3.6%
Western Scotland and Ireland	3.1%
Canary Islands	3.0%
Tunisia	3.0%
Karitiana Brazil	2.8%
Bergamo Italy	2.6%
Hungary	2.4%
Scandinavia	2.4%
Bulgaria	2.1%
Khomani San South Africa	1.8%
Sephardic Jewish Bulgaria	1.8%
Andalusia Spain	1.7%
Algeria	0.6%
Finland	0.4%
Papuan New Guinea	0.3%
Slovenia	0.1%
Aymara La Paz Bolivia	0.1%
Egypt 1	0.1%

Multi-Dimensional Scaling (MDS): 8 Continental Zones

This plot illustrates the relationship of your genotype to world continental zones. Your genotype is displayed as a bold diamond on the chart.



DNA Tribes® SNP Report for Laurie Leigh

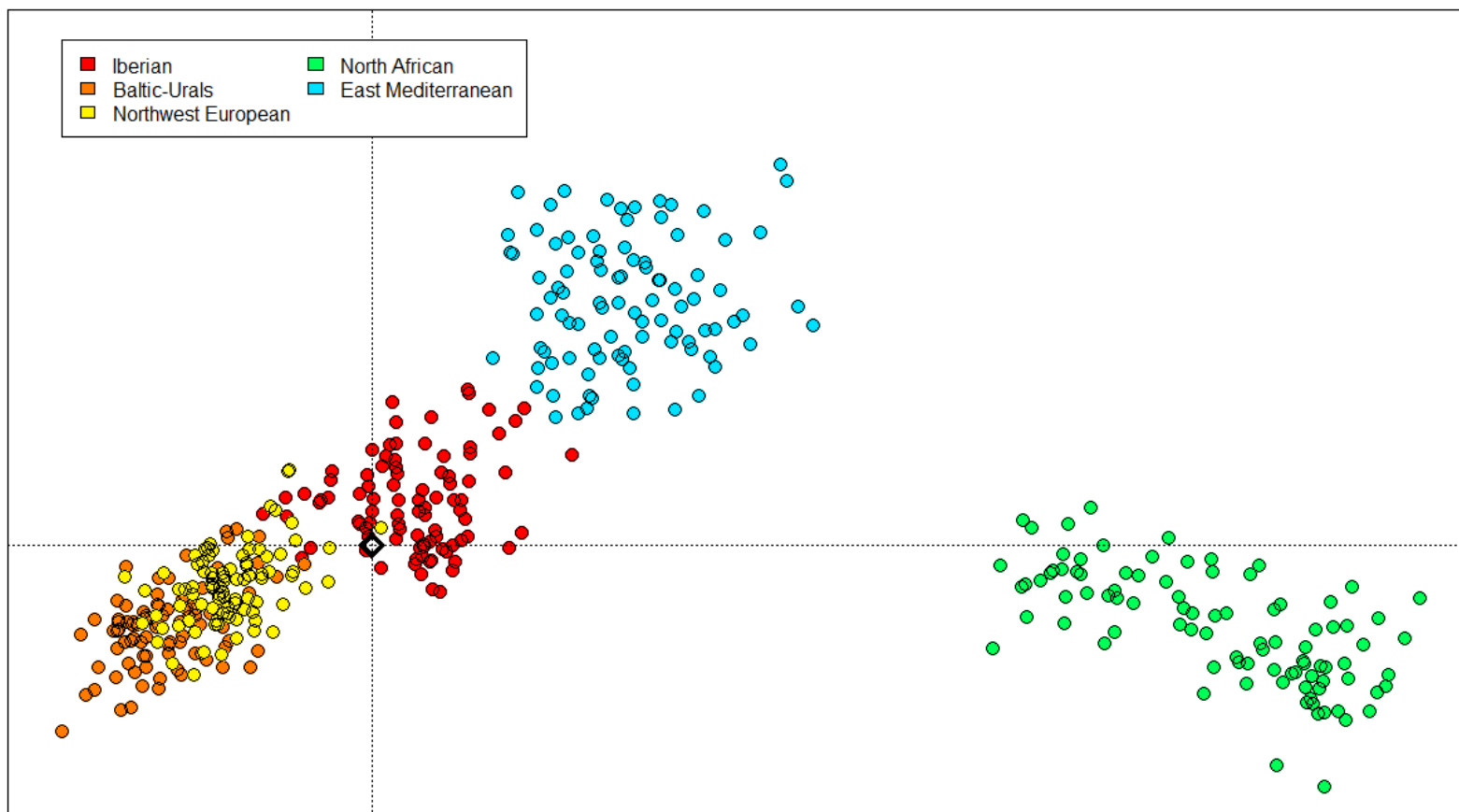
<http://www.dnatribes.com/snp.html>

Customer Support: support@dnatribes.com

11/28/2012 Page 8 of 38

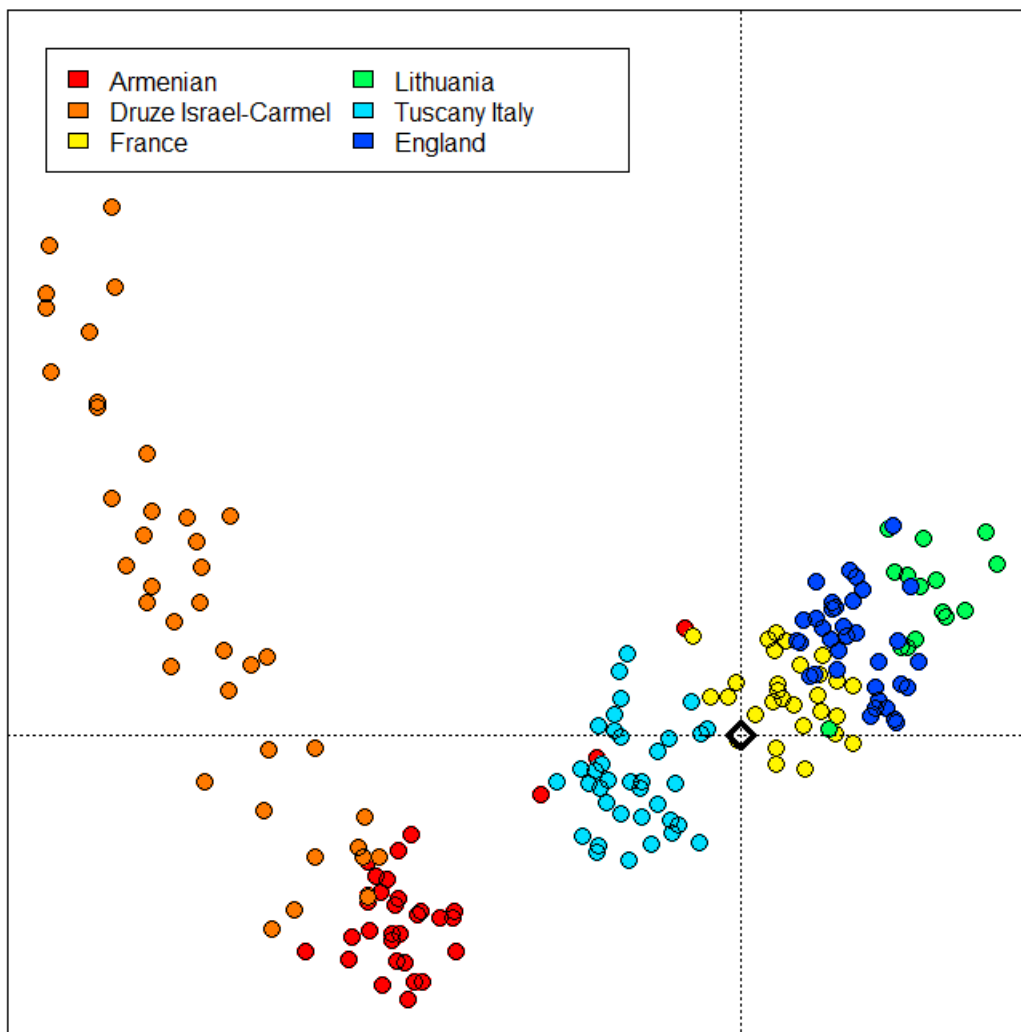
Multi-Dimensional Scaling (MDS): 24 World Regions

This plot illustrates the relationship of your genotype to the closest world regions. Your genotype is displayed as a bold diamond on the chart.



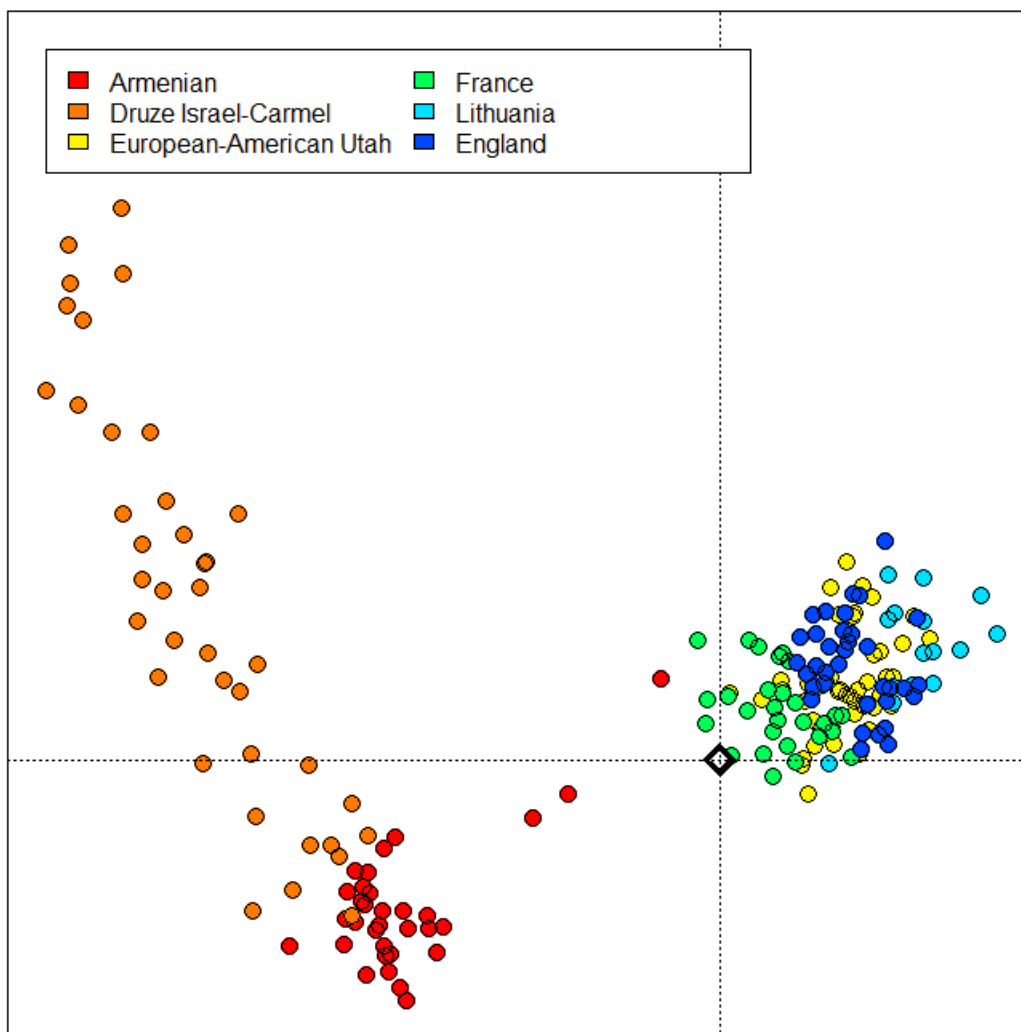
Multi-Dimensional Scaling (MDS): Native Populations

This plot illustrates the relationship of your genotype to the closest native populations. Your genotype is displayed as a bold diamond on the chart.



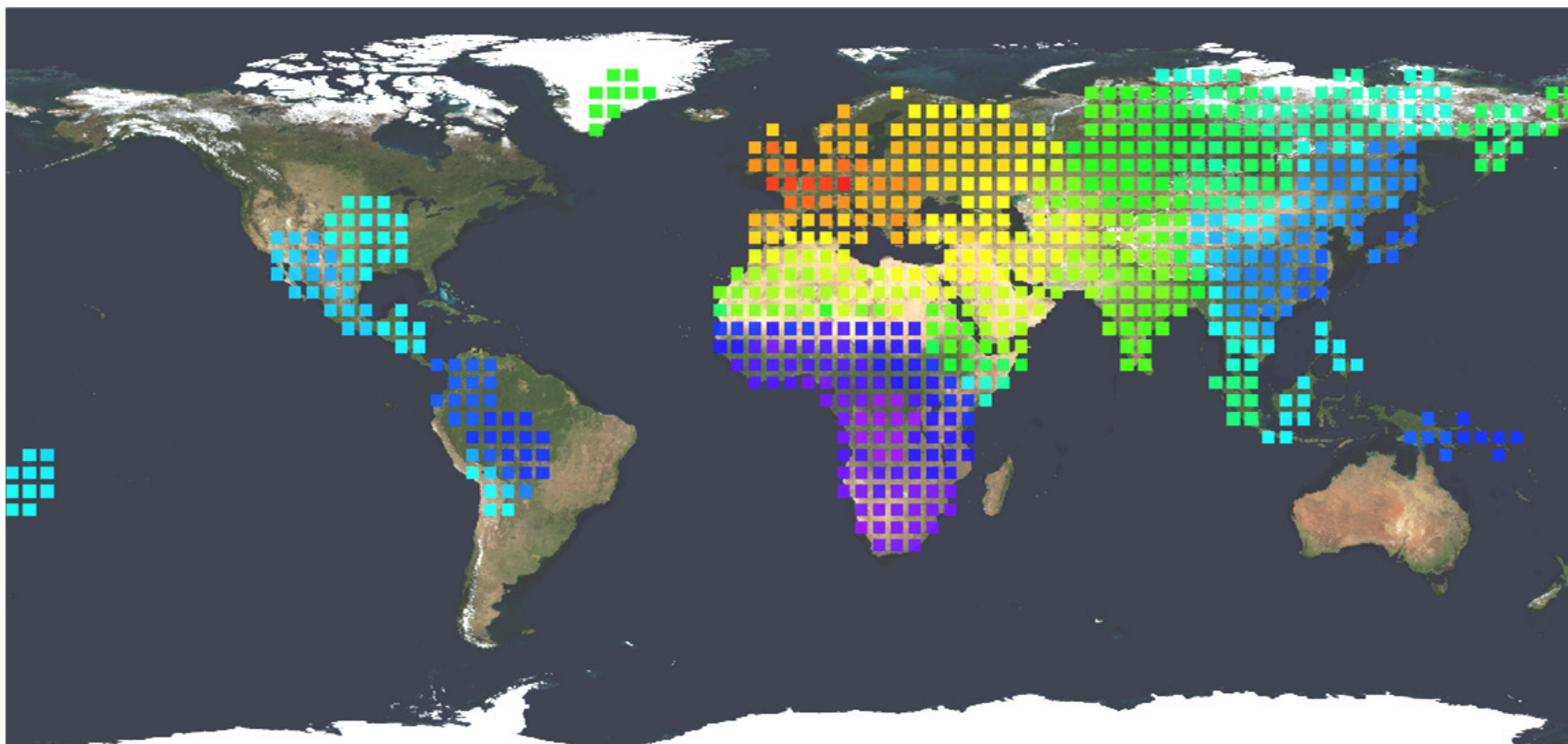
Multi-Dimensional Scaling (MDS): All Populations (including Diasporic)

This plot illustrates the relationship of your genotype to the closest world populations, in some cases including ethnic groups that have migrated or mixed in recent history. Your genotype is displayed as a bold diamond on the chart.



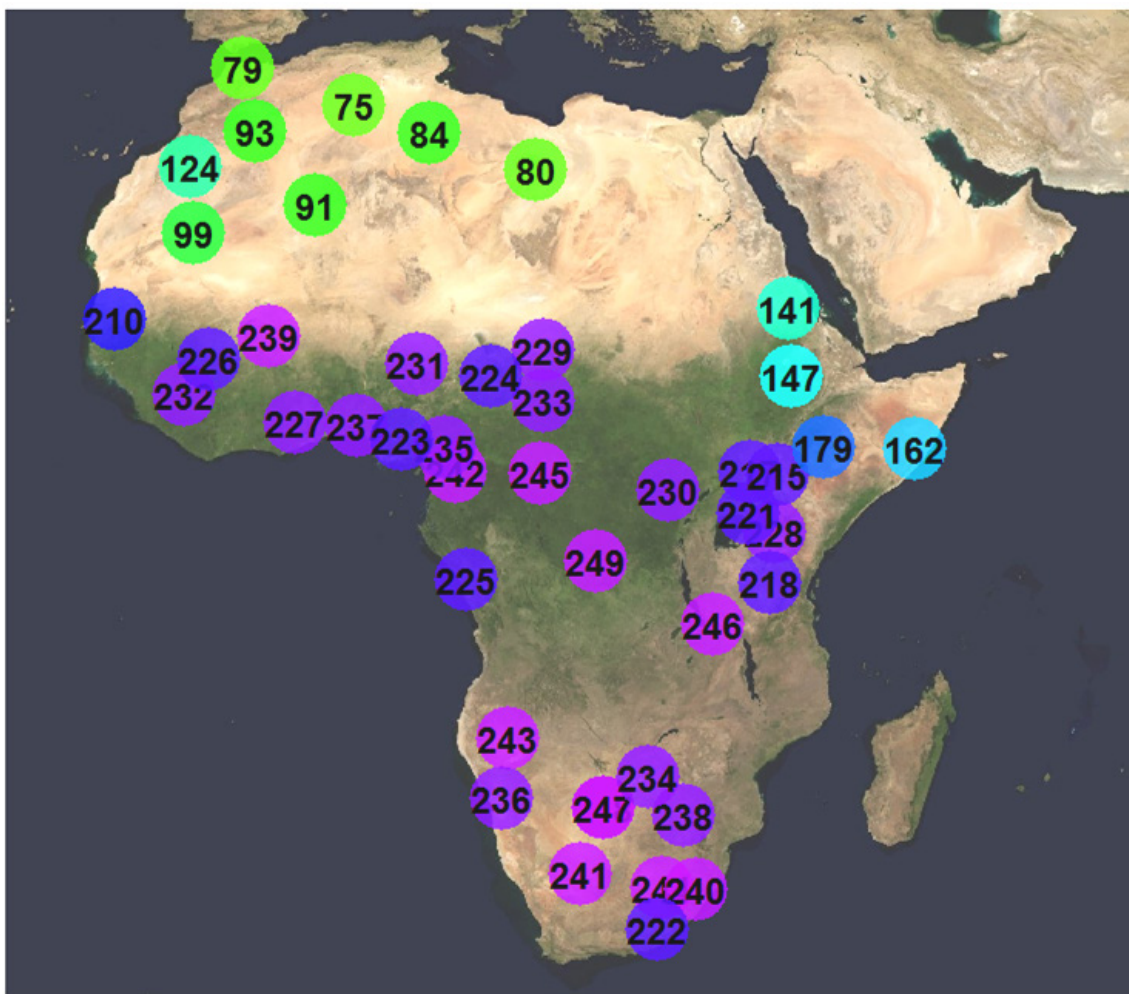
Total Similarity: Shaded World Grid

This portion of your report illustrates your total genetic similarity to a world grid based on native populations in our database. Locations on the grid that are genetically more similar to you are mapped in red (most similar), orange and yellow; locations less similar to you are mapped in purple (least similar), blue and green. This map illustrates the full spectrum of your world genetic relationships.



Total Similarity: African Populations

This portion of your report identifies your total genetic similarity to African populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.

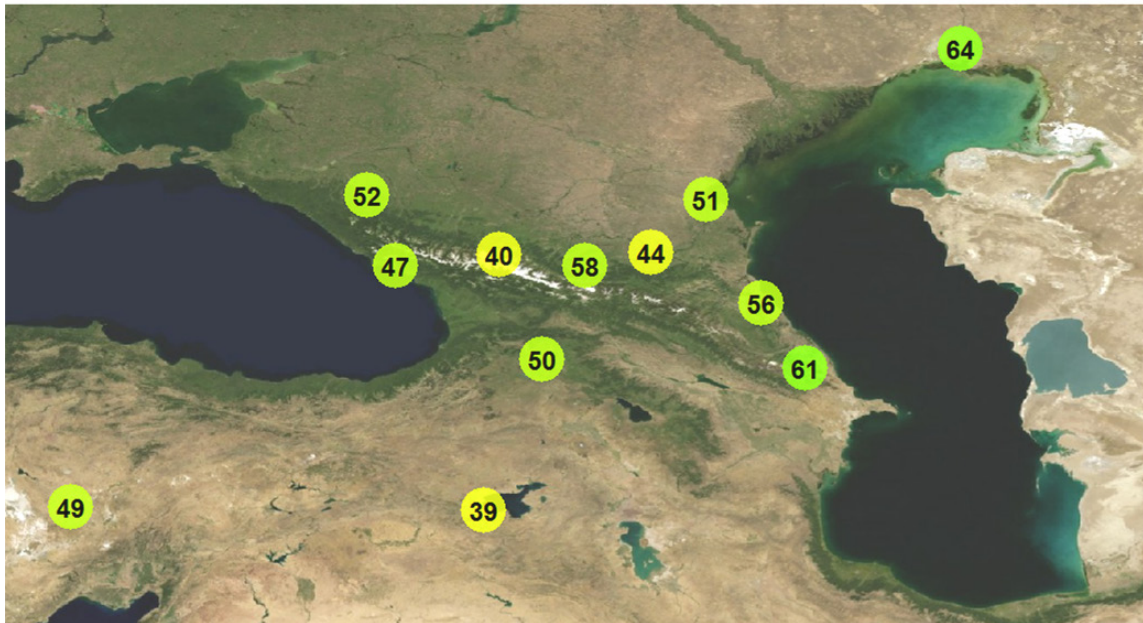


84	Tunisia	0.7023	-	Africa
91	Mozabite Algeria-Mzab	0.7011	-	Africa
93	Morocco	0.7007	-	Africa
99	Saharawi	0.6998	-	Africa
124	South Morocco	0.6959	-	Africa
141	Tigray Ethiopia	0.6909	-	Africa
147	Amhara Ethiopia	0.6895	-	Africa
162	Somalia	0.6849	-	Africa
179	Oromo Ethiopia	0.6820	-	Africa
210	Fulani Nigeria	0.6757	-	Africa
215	Maasai Kenya	0.6737	-	Africa
217	Hema East-Central Africa	0.6707	-	Africa
218	Sandawe Tanzania	0.6702	-	Africa
221	Luhya Kenya	0.6621	-	Africa
222	Xhosa	0.6615	-	Africa
223	Igbo Nigeria	0.6615	-	Africa
224	Mada Cameroon	0.6614	-	Africa
225	Kongo	0.6614	-	Africa
226	Bambara West Africa	0.6613	-	Africa
227	Brong	0.6613	-	Africa
228	Bantu Kenya	0.6611	-	Africa
229	Bulala Chad	0.6610	-	Africa
230	Alur East-Central Africa	0.6608	-	Africa
231	Hausa Nigeria	0.6606	-	Africa
232	Mandenka Senegal	0.6606	-	Africa
233	Kaba Chad	0.6605	-	Africa
234	Tswana South Africa	0.6603	-	Africa
235	Bamoun Cameroon	0.6602	-	Africa
236	Herero South Africa	0.6600	-	Africa
237	Yoruba Nigeria	0.6600	-	Africa
238	Pedi South Africa	0.6600	-	Africa
239	Dogon West Africa	0.6596	-	Africa
240	Nguni South Africa	0.6591	-	Africa
241	Khomani San South Africa	0.6590	-	Africa
242	Fang Cameroon	0.6590	-	Africa
243	Ovambo South Africa	0.6585	-	Africa
244	Sotho South Africa	0.6571	-	Africa
245	Aka Central African Republic	0.6554	-	Africa
246	Hadza Tanzania	0.6544	-	Africa

247	Kung Kalahari Desert	0.6533	-	Africa
248	San Namibia	0.6516	-	Africa
249	Mbuti East-Central Africa	0.6493	-	Africa

Total Similarity: Caucasus Mountains Populations

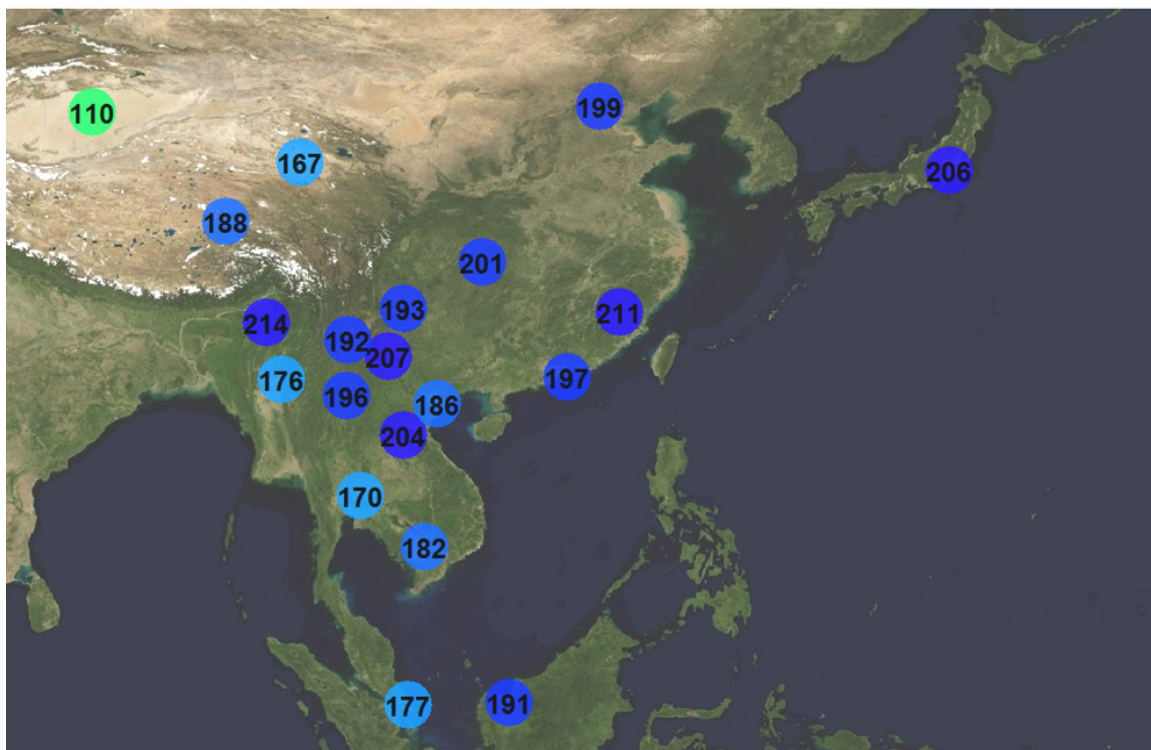
This portion of your report identifies your total genetic similarity to Caucasus Mountains populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



Rank	Population	Member Similarity	Match	Map Section
39	Armenian	0.7110	-	Caucasus
40	Balkar	0.7108	-	Caucasus
44	Chechen	0.7092	-	Caucasus
47	Abkhazian	0.7090	-	Caucasus
49	Turkey	0.7090	-	Caucasus
50	Georgia Caucasus	0.7089	-	Caucasus
51	Kumyk	0.7088	-	Caucasus
52	Adyghe North Caucasus	0.7084	-	Caucasus
56	Dargin Urkara Dagestan	0.7081	-	Caucasus
58	North Ossetia	0.7076	-	Caucasus
61	Lezgin Caucasus	0.7067	-	Caucasus
64	Nogay	0.7061	-	Caucasus

Total Similarity: East Asian Populations

This portion of your report identifies your total genetic similarity to East Asian populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.

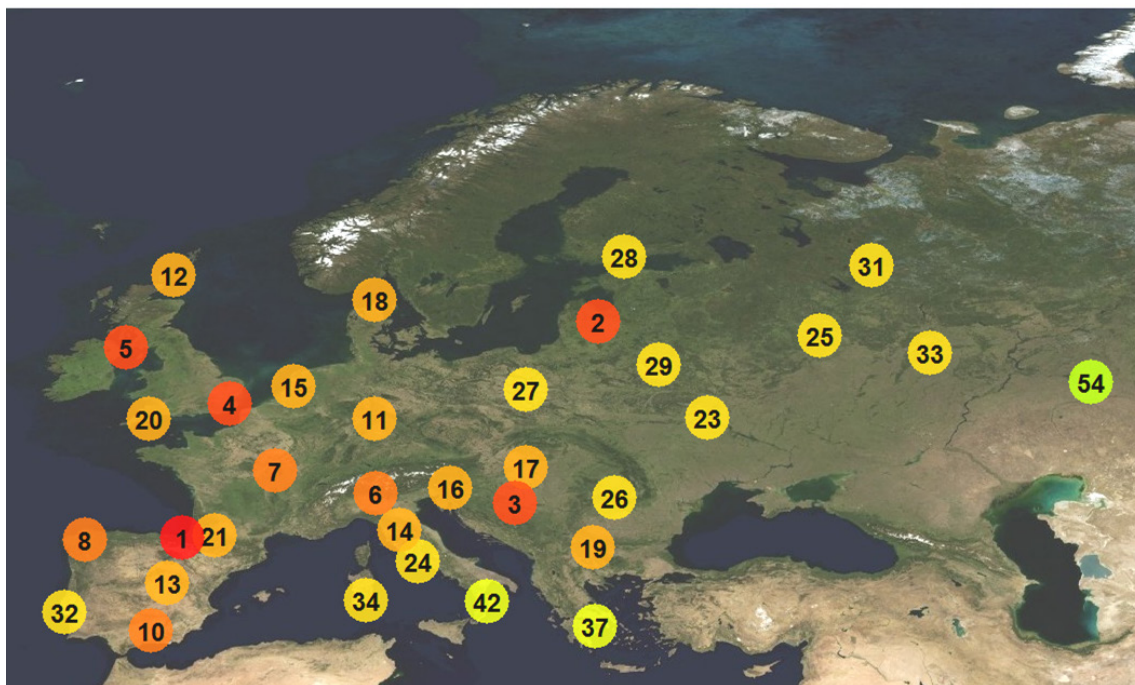


Rank	Population	Member Similarity	Match	Map Section
110	Uyghur China	0.6982	-	East Asia
167	Monguor China	0.6838	-	East Asia
170	Thailand	0.6833	-	East Asia
176	Burma	0.6824	-	East Asia
177	Malay Singaporean	0.6824	-	East Asia
182	Cambodia	0.6812	-	East Asia
186	Vietnam	0.6801	-	East Asia
188	Tibet	0.6799	-	East Asia
191	Iban Borneo	0.6785	-	East Asia
192	Naxi China	0.6785	-	East Asia

193	Yi China	0.6783	-	East Asia
196	Dai China	0.6779	-	East Asia
197	Han Southern China	0.6779	-	East Asia
199	Han Beijing China	0.6778	-	East Asia
201	Tujia China	0.6774	-	East Asia
204	Lahu China	0.6772	-	East Asia
206	Japan	0.6770	-	East Asia
207	Miao China	0.6769	-	East Asia
211	She China	0.6749	-	East Asia
214	Naga India	0.6739	-	East Asia

Total Similarity: European Populations

This portion of your report identifies your total genetic similarity to European populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.

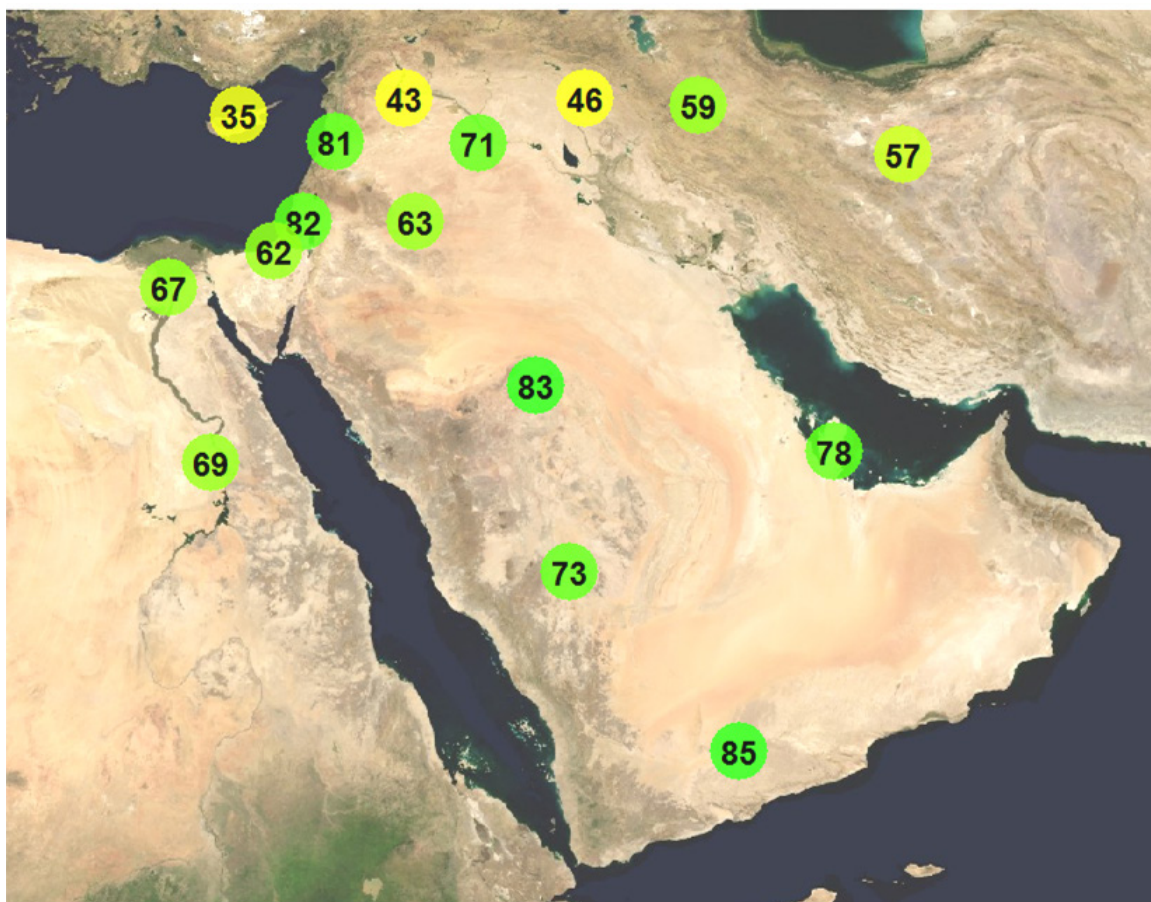


Rank	Population	Member Similarity	Match	Map Section
1	Basque Spain	0.7162	-	Europe
2	Lithuania	0.7158	-	Europe
3	Serbia and Croatia	0.7156	-	Europe
4	England	0.7156	-	Europe
5	Western Scotland and Ireland	0.7153	-	Europe
6	Bergamo Italy	0.7153	-	Europe
7	France	0.7151	-	Europe
8	Galicia Spain	0.7150	-	Europe
10	Andalusia Spain	0.7148	-	Europe
11	Germany and Austria	0.7146	-	Europe
12	Orkney Islands Scotland	0.7146	-	Europe

13	Spain	0.7143	-	Europe
14	Tuscany Italy	0.7140	-	Europe
15	Netherlands	0.7140	-	Europe
16	Slovenia	0.7140	-	Europe
17	Hungary	0.7140	-	Europe
18	Scandinavia	0.7140	-	Europe
19	Bulgaria	0.7138	-	Europe
20	Cornwall West Britain	0.7137	-	Europe
21	Basque France	0.7137	-	Europe
23	Ukraine	0.7134	-	Europe
24	Italy General	0.7129	-	Europe
25	Russia General	0.7129	-	Europe
26	Romania	0.7128	-	Europe
27	Poland	0.7128	-	Europe
28	Finland	0.7128	-	Europe
29	Belarus	0.7127	-	Europe
31	Vologda Northern Russia	0.7120	-	Europe
32	Portugal	0.7116	-	Europe
33	Mordvin	0.7115	-	Europe
34	Sardinia	0.7113	-	Europe
37	Greek Mixed	0.7111	-	Europe
42	Southern Italy and Sicily	0.7098	-	Europe
54	Chuvash Russian Federation	0.7081	-	Europe

Total Similarity: Middle Eastern Populations

This portion of your report identifies your total genetic similarity to Middle Eastern populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



Rank	Population	Member Similarity	Match	Map Section
35	Cyprus	0.7113	-	Middle East
43	Druze Israel-Carmel	0.7094	-	Middle East
46	Assyrian	0.7091	-	Middle East
57	Iran	0.7076	-	Middle East
59	Kurdish	0.7076	-	Middle East
62	Palestinian Israel	0.7064	-	Middle East

DNA Tribes® SNP Report for Laurie Leigh

<http://www.dnatribes.com/snp.html>

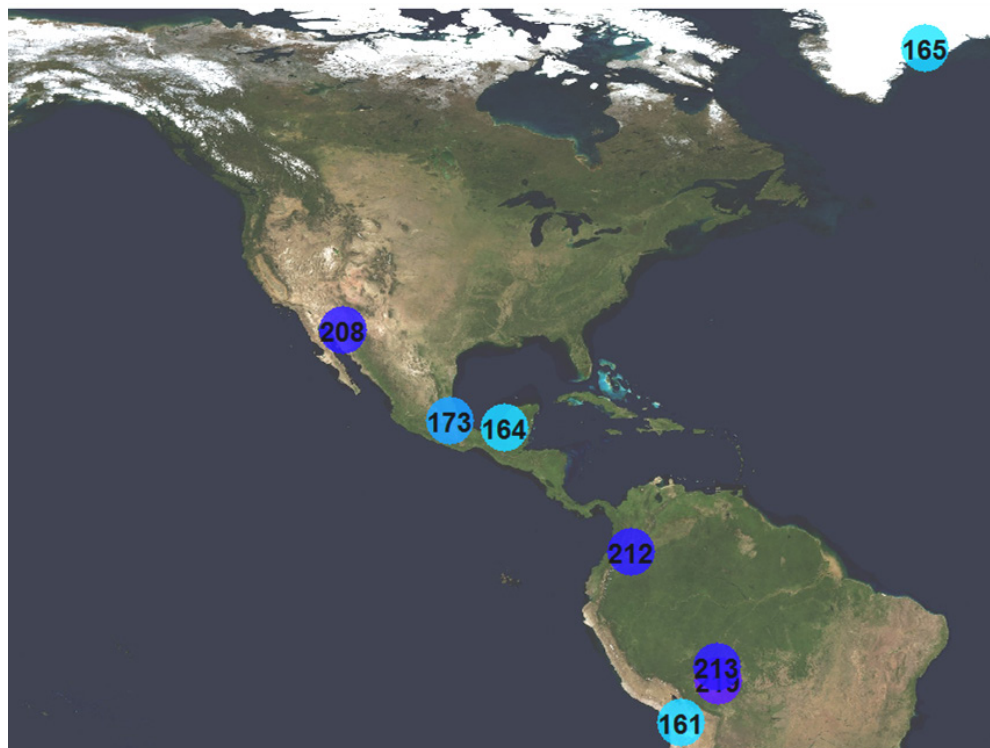
Customer Support: support@dnatribes.com

11/28/2012 Page 21 of 38

63	Jordan	0.7064	-	Middle East
67	Egypt 2	0.7059	-	Middle East
69	Egypt 1	0.7052	-	Middle East
71	Syria	0.7049	-	Middle East
73	Saudi Arabia	0.7047	-	Middle East
78	Arab Qatar	0.7037	-	Middle East
81	Lebanon	0.7032	-	Middle East
82	Samaritan	0.7029	-	Middle East
83	Bedouin Negev Desert Israel	0.7029	-	Middle East
85	Yemen	0.7023	-	Middle East

Total Similarity: Native American Populations

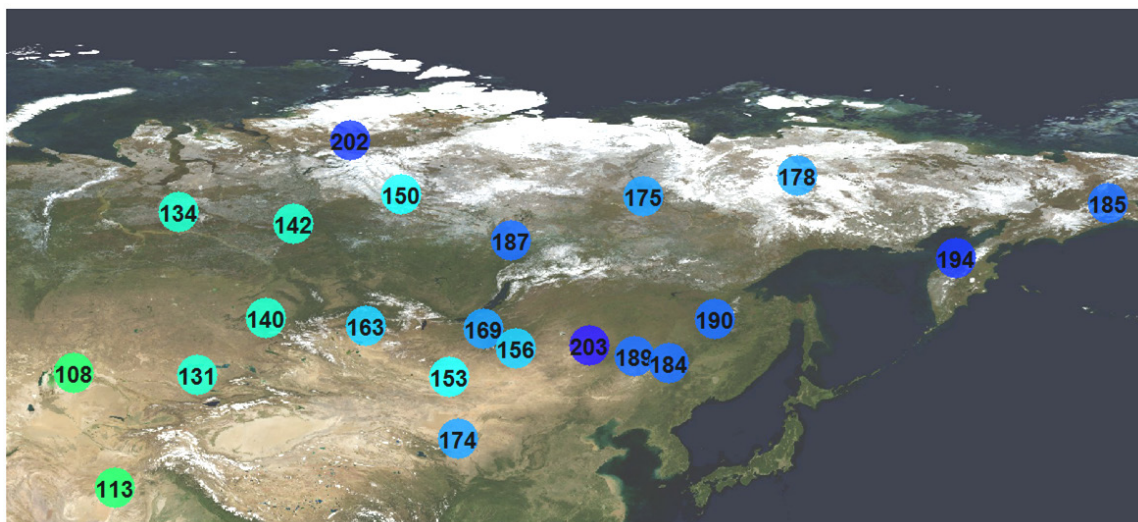
This portion of your report identifies your total genetic similarity to Native American populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



Rank	Population	Member Similarity	Match	Map Section
161	Aymara La Paz Bolivia	0.6853	-	Native American
164	Maya Mexico	0.6844	-	Native American
165	Eastern Greenland	0.6844	-	Native American
173	Totonac Mexico	0.6832	-	Native American
208	Pima Mexico	0.6767	-	Native American
212	Amerindian Colombia	0.6743	-	Native American
213	Karitiana Brazil	0.6741	-	Native American
219	Surui Brazil	0.6671	-	Native American

Total Similarity: North Asian Populations

This portion of your report identifies your total genetic similarity to North Asian populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.

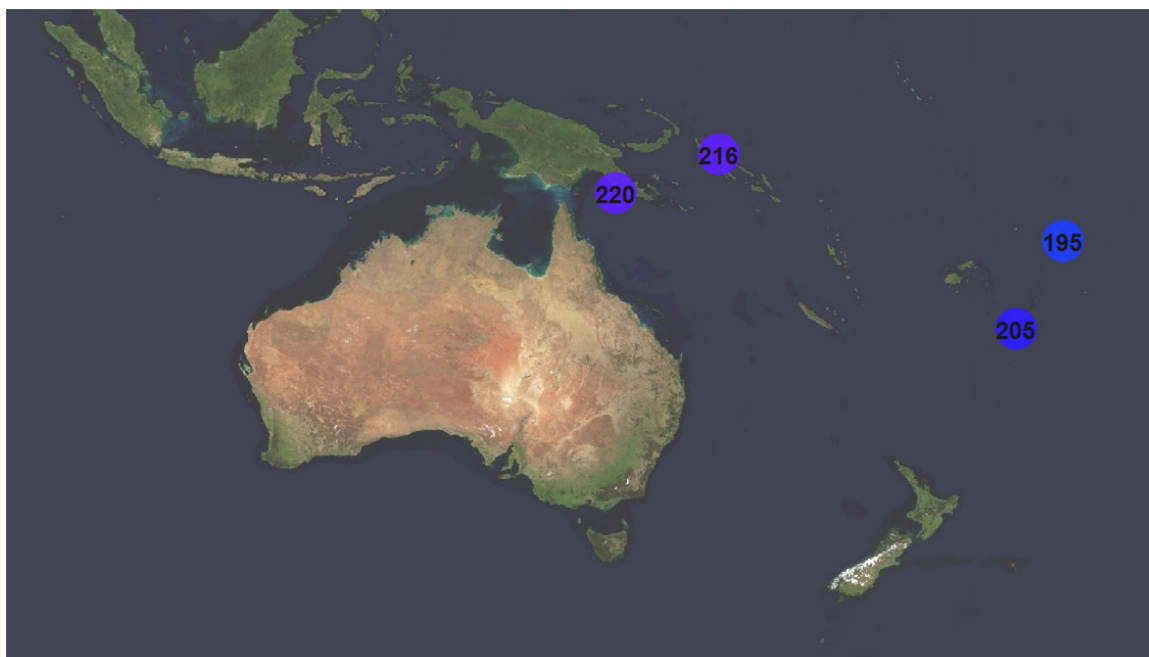


Rank	Population	Member Similarity	Match	Map Section
108	Uzbek Central Asia	0.6985	-	North Asia
113	Hazara Pakistan	0.6977	-	North Asia
131	Kyrgyz	0.6936	-	North Asia
134	Selkup Russian Federation	0.6930	-	North Asia
140	Altai Russian Federation	0.6911	-	North Asia
142	Ket Russian Federation	0.6904	-	North Asia
150	Dolgan Russian Federation	0.6883	-	North Asia
153	Mongol Mongolia	0.6872	-	North Asia
156	Buryat China	0.6862	-	North Asia
163	Tuvinians Russian Federation	0.6845	-	North Asia
169	Buryat Russian Federation	0.6834	-	North Asia
174	Mongola China	0.6827	-	North Asia
175	Yakut Siberia	0.6826	-	North Asia
178	Yukaghir Russian Federation	0.6820	-	North Asia
184	Xibo China	0.6810	-	North Asia

185	Chukchi Russian Federation	0.6805	-	North Asia
187	Evenk Russian Federation	0.6800	-	North Asia
189	Daur China	0.6794	-	North Asia
190	Hezhen China	0.6793	-	North Asia
194	Koryak Russian Federation	0.6781	-	North Asia
202	Nganasan Russian Federation	0.6774	-	North Asia
203	Oroqen China	0.6774	-	North Asia

Total Similarity: Oceanian Populations

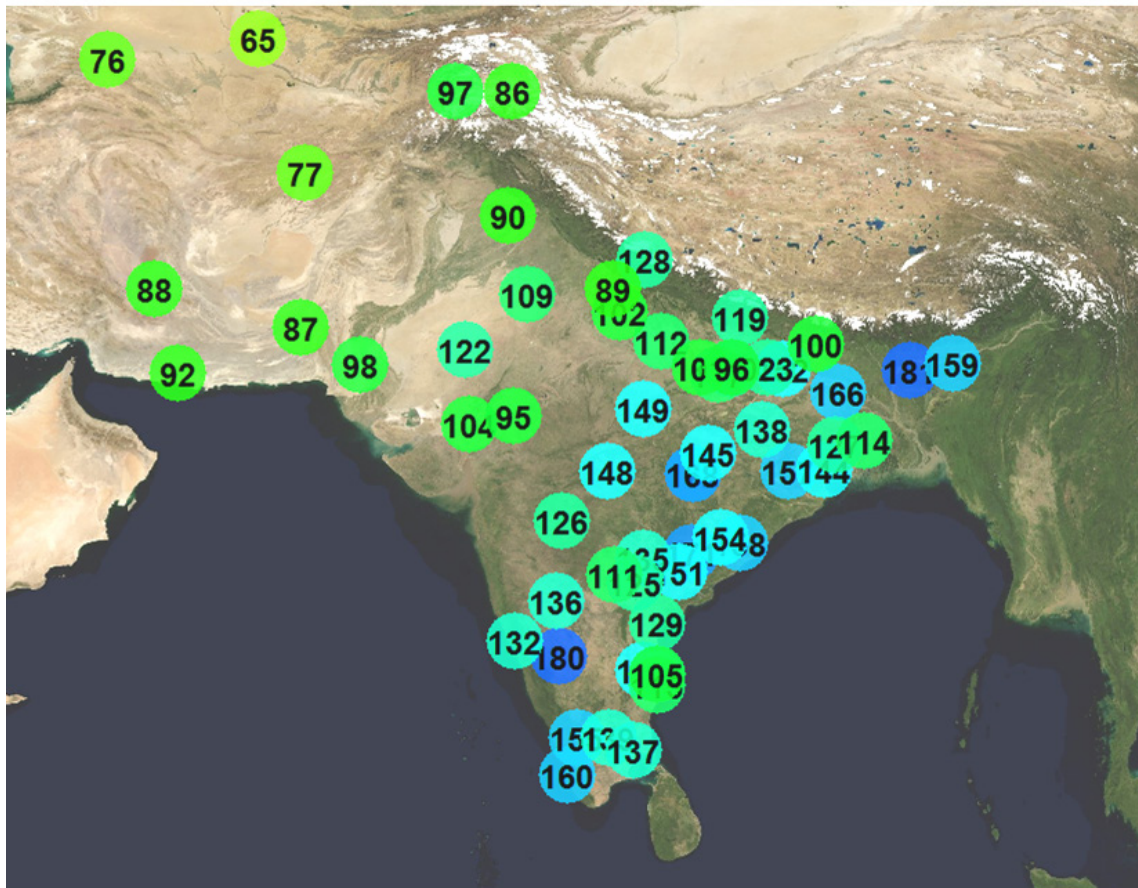
This portion of your report identifies your total genetic similarity to Oceanian populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



Rank	Population	Member Similarity	Match	Map Section
195	Samoa	0.6779	-	Oceania
205	Tonga	0.6771	-	Oceania
216	Melanesian Bougainville	0.6714	-	Oceania
220	Papuan New Guinea	0.6669	-	Oceania

Total Similarity: South Asian Populations

This portion of your report identifies your total genetic similarity to South Asian populations in our database. Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



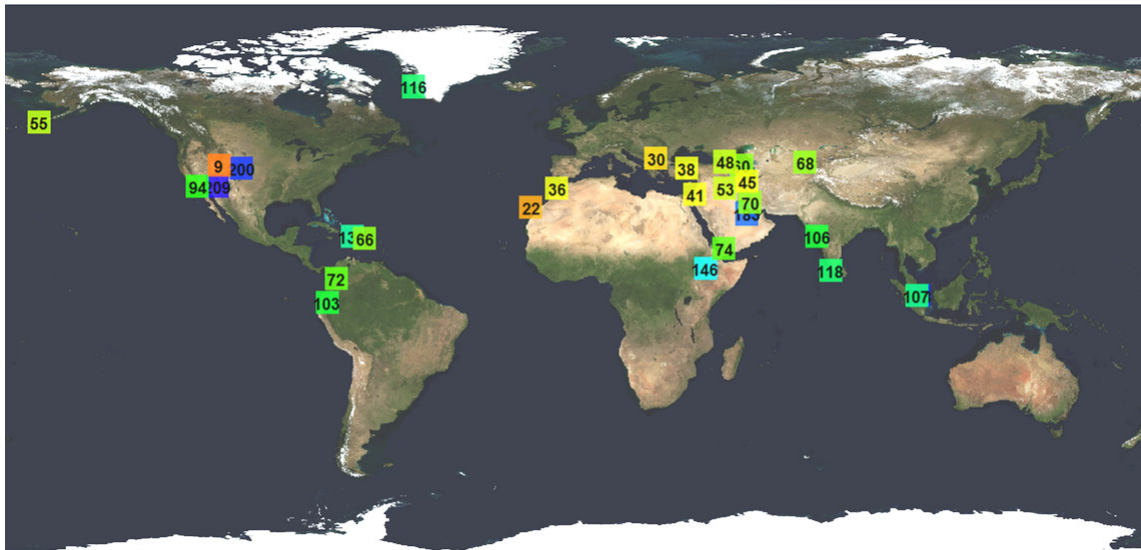
Rank	Population	Member Similarity	Match	Map Section
65	Tajik	0.7060	-	South Asia
76	Turkmen	0.7039	-	South Asia
77	Pashtun Pakistan	0.7037	-	South Asia
86	Burusho Pakistan	0.7021	-	South Asia
87	Brahui Pakistan	0.7018	-	South Asia
88	Balochi Pakistan	0.7017	-	South Asia

89	Brahmin Uttar Pradesh India	0.7013	-	South Asia
90	Arain Punjab Pakistan	0.7012	-	South Asia
92	Makrani Pakistan	0.7009	-	South Asia
95	Lambadi India	0.7003	-	South Asia
96	Dharkar India	0.7002	-	South Asia
97	Kalash Pakistan	0.7000	-	South Asia
98	Sindhi Pakistan	0.7000	-	South Asia
100	Nepal	0.6995	-	South Asia
101	Muslim Uttar Pradesh India	0.6995	-	South Asia
102	Kshatriya Uttar Pradesh India	0.6991	-	South Asia
104	Gujarat India	0.6989	-	South Asia
105	Brahmin Tamil Nadu India	0.6989	-	South Asia
109	Meena India	0.6982	-	South Asia
111	Brahmin Andhra Pradesh India	0.6982	-	South Asia
112	Kanjar India	0.6977	-	South Asia
114	Bengali India	0.6976	-	South Asia
115	Scheduled Caste Tamil Nadu India	0.6971	-	South Asia
117	Kol India	0.6967	-	South Asia
119	Tharu India	0.6965	-	South Asia
120	Scheduled Caste Uttar Pradesh India	0.6964	-	South Asia
121	Chamar India	0.6964	-	South Asia
122	Meghawal India	0.6963	-	South Asia
123	Dusadh India	0.6963	-	South Asia
125	Velama India	0.6954	-	South Asia
126	Madiga Andhra Pradesh India	0.6954	-	South Asia
127	Kurmi India	0.6948	-	South Asia
128	Brahmin Uttaranchal India	0.6948	-	South Asia
129	Mala Andhra Pradesh India	0.6940	-	South Asia
132	Hakkipikki India	0.6932	-	South Asia
133	Dalit Tamil Nadu India	0.6930	-	South Asia
135	Chenchu India	0.6926	-	South Asia
136	North Kannadi India	0.6923	-	South Asia
137	Sakilli India	0.6919	-	South Asia
138	Asur Jharkand India	0.6912	-	South Asia
139	Piramalai Kallar India	0.6911	-	South Asia
143	Irula South India	0.6901	-	South Asia
144	Kurumba India	0.6901	-	South Asia
145	Gond India	0.6896	-	South Asia
148	Nihali India	0.6892	-	South Asia

149	Mawasi India	0.6885	-	South Asia
151	Savara Orissa India	0.6880	-	South Asia
152	Ho Bihar India	0.6878	-	South Asia
154	Dhurwa India	0.6868	-	South Asia
155	Pulliyar India	0.6864	-	South Asia
157	Juang Orissa India	0.6860	-	South Asia
158	Gadaba Orissa India	0.6858	-	South Asia
159	Khasi Meghalaya India	0.6857	-	South Asia
160	Malayan India	0.6856	-	South Asia
166	Santhal Jharkand India	0.6841	-	South Asia
168	Kharia Chattishgarh India	0.6837	-	South Asia
171	Bonda Orissa India	0.6833	-	South Asia
172	Bhunja India	0.6832	-	South Asia
180	Paniya India	0.6816	-	South Asia
181	Garo Meghalaya India	0.6815	-	South Asia

Total Similarity: Diasporic Populations

This portion of your report identifies your total genetic similarity to Diasporic populations in our database. This includes modern ethnic groups that have migrated or mixed in recent history (approximately the past 500 years). Each population on the map is labeled with a number expressing the ranking among your world population matches (see page 32 for a complete list). In the table, each population is listed with a Member Similarity score that expresses the percentage of your DNA shared with members of that population. Circled populations (labeled "Match" in the table) identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.



Rank	Population	Member Similarity	Match	Map Section
9	European-American Utah	0.7150	-	Diaspora
22	Canary Islands	0.7137	-	Diaspora
30	Sephardic Jewish Bulgaria	0.7121	-	Diaspora
36	Jewish Morocco	0.7111	-	Diaspora
38	Sephardic Jewish Turkey	0.7110	-	Diaspora
41	Ashkenazi Jewish Europe	0.7103	-	Diaspora
45	Jewish Iran	0.7091	-	Diaspora
48	Jewish Georgia	0.7090	-	Diaspora
53	Jewish Iraq	0.7084	-	Diaspora
55	Aleut Alaska	0.7081	-	Diaspora
60	Jewish Azerbaijan	0.7074	-	Diaspora
66	Puerto Rico	0.7059	-	Diaspora
68	Jewish Uzbekistan	0.7058	-	Diaspora
70	Persian Qatar	0.7049	-	Diaspora

72	Colombia	0.7048	-	Diaspora
74	Jewish Yemen	0.7046	-	Diaspora
94	Mexican-American Los Angeles CA	0.7006	-	Diaspora
103	Ecuador	0.6991	-	Diaspora
106	Bene Israel India	0.6987	-	Diaspora
107	Indian Singaporean	0.6986	-	Diaspora
116	Western Greenland	0.6969	-	Diaspora
118	Cochin Jewish India	0.6966	-	Diaspora
130	Dominican Republic	0.6940	-	Diaspora
146	Jewish Ethiopia	0.6895	-	Diaspora
183	African Qatar	0.6811	-	Diaspora
198	Chinese Singaporean	0.6779	-	Diaspora
200	Chinese-American Denver CO	0.6774	-	Diaspora
209	African-American Southwest USA	0.6764	-	Diaspora

Total Similarity: List of All Populations

This portion of your report identifies your total genetic similarity to all world populations in our database, including native populations as well as modern diasporic populations that have migrated or mixed in the past 500 years. Each population listing includes: the ranking of your Similarity for that sample among all world population samples; the name of the population sample; your average genetic similarity to members of that population; and the map section where that population is illustrated. Populations labeled “Match” identify ethnic groups where your genotype fits well among members, based on a proprietary statistical test developed by DNA Tribes®.

Rank	Population	Member Similarity	Match	Map Section
1	Basque Spain	0.7162	-	Europe
2	Lithuania	0.7158	-	Europe
3	Serbia and Croatia	0.7156	-	Europe
4	England	0.7156	-	Europe
5	Western Scotland and Ireland	0.7153	-	Europe
6	Bergamo Italy	0.7153	-	Europe
7	France	0.7151	-	Europe
8	Galicia Spain	0.7150	-	Europe
9	European-American Utah	0.7150	-	Diaspora
10	Andalusia Spain	0.7148	-	Europe
11	Germany and Austria	0.7146	-	Europe
12	Orkney Islands Scotland	0.7146	-	Europe
13	Spain	0.7143	-	Europe
14	Tuscany Italy	0.7140	-	Europe
15	Netherlands	0.7140	-	Europe
16	Slovenia	0.7140	-	Europe
17	Hungary	0.7140	-	Europe
18	Scandinavia	0.7140	-	Europe
19	Bulgaria	0.7138	-	Europe
20	Cornwall West Britain	0.7137	-	Europe
21	Basque France	0.7137	-	Europe
22	Canary Islands	0.7137	-	Diaspora
23	Ukraine	0.7134	-	Europe
24	Italy General	0.7129	-	Europe
25	Russia General	0.7129	-	Europe
26	Romania	0.7128	-	Europe
27	Poland	0.7128	-	Europe
28	Finland	0.7128	-	Europe
29	Belarus	0.7127	-	Europe

30	Sephardic Jewish Bulgaria	0.7121	-	Diaspora
31	Vologda Northern Russia	0.7120	-	Europe
32	Portugal	0.7116	-	Europe
33	Mordvin	0.7115	-	Europe
34	Sardinia	0.7113	-	Europe
35	Cyprus	0.7113	-	Middle East
36	Jewish Morocco	0.7111	-	Diaspora
37	Greek Mixed	0.7111	-	Europe
38	Sephardic Jewish Turkey	0.7110	-	Diaspora
39	Armenian	0.7110	-	Caucasus
40	Balkar	0.7108	-	Caucasus
41	Ashkenazi Jewish Europe	0.7103	-	Diaspora
42	Southern Italy and Sicily	0.7098	-	Europe
43	Druze Israel-Carmel	0.7094	-	Middle East
44	Chechen	0.7092	-	Caucasus
45	Jewish Iran	0.7091	-	Diaspora
46	Assyrian	0.7091	-	Middle East
47	Abkhazian	0.7090	-	Caucasus
48	Jewish Georgia	0.7090	-	Diaspora
49	Turkey	0.7090	-	Caucasus
50	Georgia Caucasus	0.7089	-	Caucasus
51	Kumyk	0.7088	-	Caucasus
52	Adyghe North Caucasus	0.7084	-	Caucasus
53	Jewish Iraq	0.7084	-	Diaspora
54	Chuvash Russian Federation	0.7081	-	Europe
55	Aleut Alaska	0.7081	-	Diaspora
56	Dargin Urkarah Dagestan	0.7081	-	Caucasus
57	Iran	0.7076	-	Middle East
58	North Ossetia	0.7076	-	Caucasus
59	Kurdish	0.7076	-	Middle East
60	Jewish Azerbaijan	0.7074	-	Diaspora
61	Lezgin Caucasus	0.7067	-	Caucasus
62	Palestinian Israel	0.7064	-	Middle East
63	Jordan	0.7064	-	Middle East
64	Nogay	0.7061	-	Caucasus
65	Tajik	0.7060	-	South Asia
66	Puerto Rico	0.7059	-	Diaspora
67	Egypt 2	0.7059	-	Middle East
68	Jewish Uzbekistan	0.7058	-	Diaspora

69	Egypt 1	0.7052	-	Middle East
70	Persian Qatar	0.7049	-	Diaspora
71	Syria	0.7049	-	Middle East
72	Colombia	0.7048	-	Diaspora
73	Saudi Arabia	0.7047	-	Middle East
74	Jewish Yemen	0.7046	-	Diaspora
75	Algeria	0.7039	-	Africa
76	Turkmen	0.7039	-	South Asia
77	Pashtun Pakistan	0.7037	-	South Asia
78	Arab Qatar	0.7037	-	Middle East
79	North Morocco	0.7037	-	Africa
80	Libya	0.7033	-	Africa
81	Lebanon	0.7032	-	Middle East
82	Samaritan	0.7029	-	Middle East
83	Bedouin Negev Desert Israel	0.7029	-	Middle East
84	Tunisia	0.7023	-	Africa
85	Yemen	0.7023	-	Middle East
86	Burusho Pakistan	0.7021	-	South Asia
87	Brahui Pakistan	0.7018	-	South Asia
88	Balochi Pakistan	0.7017	-	South Asia
89	Brahmin Uttar Pradesh India	0.7013	-	South Asia
90	Arain Punjab Pakistan	0.7012	-	South Asia
91	Mozabite Algeria-Mzab	0.7011	-	Africa
92	Makrani Pakistan	0.7009	-	South Asia
93	Morocco	0.7007	-	Africa
94	Mexican-American Los Angeles CA	0.7006	-	Diaspora
95	Lambadi India	0.7003	-	South Asia
96	Dharkar India	0.7002	-	South Asia
97	Kalash Pakistan	0.7000	-	South Asia
98	Sindhi Pakistan	0.7000	-	South Asia
99	Saharawi	0.6998	-	Africa
100	Nepal	0.6995	-	South Asia
101	Muslim Uttar Pradesh India	0.6995	-	South Asia
102	Kshatriya Uttar Pradesh India	0.6991	-	South Asia
103	Ecuador	0.6991	-	Diaspora
104	Gujarat India	0.6989	-	South Asia
105	Brahmin Tamil Nadu India	0.6989	-	South Asia
106	Bene Israel India	0.6987	-	Diaspora
107	Indian Singaporean	0.6986	-	Diaspora

108	Uzbek Central Asia	0.6985	-	North Asia
109	Meena India	0.6982	-	South Asia
110	Uyghur China	0.6982	-	East Asia
111	Brahmin Andhra Pradesh India	0.6982	-	South Asia
112	Kanjar India	0.6977	-	South Asia
113	Hazara Pakistan	0.6977	-	North Asia
114	Bengali India	0.6976	-	South Asia
115	Scheduled Caste Tamil Nadu India	0.6971	-	South Asia
116	Western Greenland	0.6969	-	Diaspora
117	Kol India	0.6967	-	South Asia
118	Cochin Jewish India	0.6966	-	Diaspora
119	Tharu India	0.6965	-	South Asia
120	Scheduled Caste Uttar Pradesh India	0.6964	-	South Asia
121	Chamar India	0.6964	-	South Asia
122	Meghawal India	0.6963	-	South Asia
123	Dusadh India	0.6963	-	South Asia
124	South Morocco	0.6959	-	Africa
125	Velama India	0.6954	-	South Asia
126	Madiga Andhra Pradesh India	0.6954	-	South Asia
127	Kurmi India	0.6948	-	South Asia
128	Brahmin Uttaranchal India	0.6948	-	South Asia
129	Mala Andhra Pradesh India	0.6940	-	South Asia
130	Dominican Republic	0.6940	-	Diaspora
131	Kyrgyz	0.6936	-	North Asia
132	Hakkipikki India	0.6932	-	South Asia
133	Dalit Tamil Nadu India	0.6930	-	South Asia
134	Selkup Russian Federation	0.6930	-	North Asia
135	Chenchu India	0.6926	-	South Asia
136	North Kannadi India	0.6923	-	South Asia
137	Sakilli India	0.6919	-	South Asia
138	Asur Jharkand India	0.6912	-	South Asia
139	Piramalai Kallar India	0.6911	-	South Asia
140	Altai Russian Federation	0.6911	-	North Asia
141	Tigray Ethiopia	0.6909	-	Africa
142	Ket Russian Federation	0.6904	-	North Asia
143	Irula South India	0.6901	-	South Asia
144	Kurumba India	0.6901	-	South Asia
145	Gond India	0.6896	-	South Asia
146	Jewish Ethiopia	0.6895	-	Diaspora

147	Amhara Ethiopia	0.6895	-	Africa
148	Nihali India	0.6892	-	South Asia
149	Mawasi India	0.6885	-	South Asia
150	Dolgan Russian Federation	0.6883	-	North Asia
151	Savara Orissa India	0.6880	-	South Asia
152	Ho Bihar India	0.6878	-	South Asia
153	Mongol Mongolia	0.6872	-	North Asia
154	Dhurwa India	0.6868	-	South Asia
155	Pulliyar India	0.6864	-	South Asia
156	Buryat China	0.6862	-	North Asia
157	Juang Orissa India	0.6860	-	South Asia
158	Gadaba Orissa India	0.6858	-	South Asia
159	Khasi Meghalaya India	0.6857	-	South Asia
160	Malayan India	0.6856	-	South Asia
161	Aymara La Paz Bolivia	0.6853	-	Native American
162	Somalia	0.6849	-	Africa
163	Tuvinians Russian Federation	0.6845	-	North Asia
164	Maya Mexico	0.6844	-	Native American
165	Eastern Greenland	0.6844	-	Native American
166	Santhal Jharkand India	0.6841	-	South Asia
167	Monguor China	0.6838	-	East Asia
168	Kharia Chattishgarh India	0.6837	-	South Asia
169	Buryat Russian Federation	0.6834	-	North Asia
170	Thailand	0.6833	-	East Asia
171	Bonda Orissa India	0.6833	-	South Asia
172	Bhunjia India	0.6832	-	South Asia
173	Totonac Mexico	0.6832	-	Native American
174	Mongola China	0.6827	-	North Asia
175	Yakut Siberia	0.6826	-	North Asia
176	Burma	0.6824	-	East Asia
177	Malay Singaporean	0.6824	-	East Asia
178	Yukaghir Russian Federation	0.6820	-	North Asia
179	Oromo Ethiopia	0.6820	-	Africa
180	Paniya India	0.6816	-	South Asia
181	Garo Meghalaya India	0.6815	-	South Asia
182	Cambodia	0.6812	-	East Asia
183	African Qatar	0.6811	-	Diaspora
184	Xibo China	0.6810	-	North Asia
185	Chukchi Russian Federation	0.6805	-	North Asia

186	Vietnam	0.6801	-	East Asia
187	Evenk Russian Federation	0.6800	-	North Asia
188	Tibet	0.6799	-	East Asia
189	Daur China	0.6794	-	North Asia
190	Hezhen China	0.6793	-	North Asia
191	Iban Borneo	0.6785	-	East Asia
192	Naxi China	0.6785	-	East Asia
193	Yi China	0.6783	-	East Asia
194	Koryak Russian Federation	0.6781	-	North Asia
195	Samoa	0.6779	-	Oceania
196	Dai China	0.6779	-	East Asia
197	Han Southern China	0.6779	-	East Asia
198	Chinese Singaporean	0.6779	-	Diaspora
199	Han Beijing China	0.6778	-	East Asia
200	Chinese-American Denver CO	0.6774	-	Diaspora
201	Tujia China	0.6774	-	East Asia
202	Nganasan Russian Federation	0.6774	-	North Asia
203	Oroqen China	0.6774	-	North Asia
204	Lahu China	0.6772	-	East Asia
205	Tonga	0.6771	-	Oceania
206	Japan	0.6770	-	East Asia
207	Miao China	0.6769	-	East Asia
208	Pima Mexico	0.6767	-	Native American
209	African-American Southwest USA	0.6764	-	Diaspora
210	Fulani Nigeria	0.6757	-	Africa
211	She China	0.6749	-	East Asia
212	Amerindian Colombia	0.6743	-	Native American
213	Karitiana Brazil	0.6741	-	Native American
214	Naga India	0.6739	-	East Asia
215	Maasai Kenya	0.6737	-	Africa
216	Melanesian Bougainville	0.6714	-	Oceania
217	Hema East-Central Africa	0.6707	-	Africa
218	Sandawe Tanzania	0.6702	-	Africa
219	Surui Brazil	0.6671	-	Native American
220	Papuan New Guinea	0.6669	-	Oceania
221	Luhya Kenya	0.6621	-	Africa
222	Xhosa	0.6615	-	Africa
223	Igbo Nigeria	0.6615	-	Africa
224	Mada Cameroon	0.6614	-	Africa

225	Kongo	0.6614	-	Africa
226	Bambara West Africa	0.6613	-	Africa
227	Brong	0.6613	-	Africa
228	Bantu Kenya	0.6611	-	Africa
229	Bulala Chad	0.6610	-	Africa
230	Alur East-Central Africa	0.6608	-	Africa
231	Hausa Nigeria	0.6606	-	Africa
232	Mandenka Senegal	0.6606	-	Africa
233	Kaba Chad	0.6605	-	Africa
234	Tswana South Africa	0.6603	-	Africa
235	Bamoun Cameroon	0.6602	-	Africa
236	Herero South Africa	0.6600	-	Africa
237	Yoruba Nigeria	0.6600	-	Africa
238	Pedi South Africa	0.6600	-	Africa
239	Dogon West Africa	0.6596	-	Africa
240	Nguni South Africa	0.6591	-	Africa
241	Khomani San South Africa	0.6590	-	Africa
242	Fang Cameroon	0.6590	-	Africa
243	Ovambo South Africa	0.6585	-	Africa
244	Sotho South Africa	0.6571	-	Africa
245	Aka Central African Republic	0.6554	-	Africa
246	Hadza Tanzania	0.6544	-	Africa
247	Kung Kalahari Desert	0.6533	-	Africa
248	San Namibia	0.6516	-	Africa
249	Mbuti East-Central Africa	0.6493	-	Africa