



5.04.2018

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VESTRI - K36 Ancestry Report

Amerindian	-0
Arabian	-0
Armenian	-0
Basque	0.83
Central_African	-0
Central_Euro	8.32
East_African	-0
East_Asian	-0
East_Balkan	4.84
East_Central_Asian	-0
East_Central_Euro	5.43
East_Med	-0
Eastern_Euro	2.51
Fennoscandian	13.04
French	7.50
Iberian	13.23
Indo-Chinese	-0
Italian	5.46
Malayan	-0
Near_Eastern	-0
North_African	-0
North_Atlantic	13.63
North_Caucasian	1.40
North_Sea	22.61
Northeast_African	-0
Oceanian	-0
Omotic	-0
Pygmy	-0
Siberian	-0
South_Asian	-0
South_Central_Asian	-0
South_Chinese	-0
Volga-Ural	-0
West_African	-0
West_Caucasian	1.21
West_Med	-0

I. Population admixture section

Bear in mind that closely related populations will often turn up instead of the actual populations that make up your background (i.e Sw-England or FR_Brittanny). Jewish admixture can at times be masked or mistaken for Sicilian or Greek Islander ancestry, or vice-versa.

nMonte3 oracle (all references, for Nederland only North and south Dutch)

nMonte3 provides you with frequencies related to your recent ancestry, and works best for individuals of a non-mixed background. It is also very adept at detecting subtle regional differences.

```
1] "1. CLOSEST SINGLE ITEM DISTANCE%"
Schleswig-Holstein      Denmark      North_Dutch  England_North-East
7.019385      7.274006      7.332291      7.349438
Niedersachsen Nordrhein-Westfalen  SV_Skane  England_South-East
7.450214      7.567748      7.733470      8.36851
```

"distance%=4.7506"

England_North-East,40.2
 North_Dutch,33
 Nordrhein-Westfalen,16
 Denmark,3
 SV_Gotaland,2
 SV_Skane,2
 Schleswig-Holstein,1.4
 Norwegians,0.8
 North_Norway,0.4
 Saarland,0.4
 Canarias,0.2
 Cataluna,0.2
 Galicia,0.2
 South-West_Finns,0.2

targeted nMonte3 (without Dutch)

"distance%=4.9397"

England_North-East,39.6
 Nordrhein-Westfalen,20.4
 Denmark,13.4
 Schleswig-Holstein,10.4
 SV_Skane,8.2
 SV_Gotaland,5.2
 North_Norway,1
 Saarland,0.6
 North_Sweden,0.4
 Andalusia,0.2
 La_Rioja,0.2
 Norwegians,0.2
 South-West_Finns,0.2



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nMonte3 (without Dutch and with penalization=0 function)

"distance%=4.8463"

England_North-East,42.4
 Nordrhein-Westfalen,22.2
 SV_Gotland,13
 SV_Skane,7.2
 Niedersachsen,6.8
 Denmark,2.8
 Saarland,2.6
 South-West_Finns,2
 Pl_Central,0.8
 Abkhasian,0.2

Admix4 oracle (two methods, one of them is usually more speculative) - all references

The oracle works in a similar way to the Gedmatch Oracles, though the estimates here are far more robust. One shouldn't take all of them literally, but rather as extreme examples of possible distant admixtures. Admix4 is a different tool which is similar to the Gedmatch oracles, it compares your frequencies to the list of most similar averages (The same process as nMonte single item distances) or models you as a combination (two-way, three-way, or four-way) of different populations. In some cases it will be in line with the actual ethnic combination you inherited from your parents and grandparents ancestries. It may be the case that different populations show up in each oracle, especially for people of a mixed background.

Least-squares method.

Using 1 population approximation:

1 Schleswig-Holstein @ 7,018859
 2 Denmark @ 7,273536
 3 North_Dutch @ 7,332255
 4 England_North-East @ 7,349702
 5 Niedersachsen @ 7,449773
 6 Nordrhein-Westfalen @ 7,567489
 7 SV_Skane @ 7,741887
 8 England_South-East @ 8,366999
 9 SV_Gotland @ 8,550345
 10 Iceland @ 8,63761
 479 iterations.

Using 2 populations approximation:

1 North_Dutch+England_North-East @ 4,979985
 2 Schleswig-Holstein+England_North-East @ 5,261066
 3 England_North-East+Denmark @ 5,285673
 4 England_North-East+SV_Gotland @ 5,292222
 5 England_North-East+SV_Skane @ 5,368194
 6 Niedersachsen+England_North-East @ 5,621494
 7 England_North-East+Norwegians @ 5,667131
 8 Nordrhein-Westfalen+England_North-East @ 5,857619
 9 Northern_Ireland+SV_Gotland @ 5,887036
 10 Northern_Ireland+Denmark @ 5,911136
 114960 iterations.

Using 3 populations approximation:

1 50% England_North-East +25% North_Dutch +25% SV_Gotland @ 4,969731
 2 50% North_Dutch +25% England_North-East +25% England_North-East @ 4,979985
 3 50% England_North-East +25% Schleswig-Holstein +25% North_Dutch @ 4,98083
 4 50% England_North-East +25% Nordrhein-Westfalen +25% North_Dutch @ 4,995535
 5 50% England_North-East +25% Nordrhein-Westfalen +25% SV_Gotland @ 5,007592
 6 50% England_North-East +25% North_Dutch +25% Denmark @ 5,017964
 7 50% England_North-East +25% North_Dutch +25% SV_Skane @ 5,035303
 8 50% North_Dutch +25% Nordrhein-Westfalen +25% England_North-East @ 5,061958
 9 50% England_North-East +25% North_Dutch +25% Norwegians @ 5,081398
 10 50% England_North-East +25% Schleswig-Holstein +25% SV_Gotland @ 5,094312
 31792879 iterations.

Using 4 populations approximation:

1 North_Dutch+England_North-East+England_North-East+SV_Gotland @ 4,969731
 2 North_Dutch+England_North-East+England_North-East+England_North-East @ 4,979985
 3 Schleswig-Holstein+North_Dutch+England_North-East+England_North-East @ 4,98083
 4 Nordrhein-Westfalen+North_Dutch+England_North-East+Denmark @ 4,984956
 5 Nordrhein-Westfalen+North_Dutch+England_North-East+England_North-East @ 4,995535
 6 Nordrhein-Westfalen+England_North-East+England_North-East+SV_Gotland @ 5,007592
 7 North_Dutch+England_North-East+England_North-East+Denmark @ 5,017964
 8 Nordrhein-Westfalen+North_Dutch+England_North-East+SV_Skane @ 5,019352
 9 North_Dutch+England_North-East+England_North-East+SV_Skane @ 5,035303
 10 Nordrhein-Westfalen+North_Dutch+North_Dutch+England_North-East @ 5,061958
 11 Nordrhein-Westfalen+North_Dutch+England_North-East+SV_Gotland @ 5,065055
 12 North_Dutch+England_North-East+England_North-East+Norwegians @ 5,081398
 13 Schleswig-Holstein+England_North-East+England_North-East+SV_Gotland @ 5,094312
 14 Nordrhein-Westfalen+North_Dutch+England_North-East+Norwegians @ 5,102863
 15 Bayern+North_Dutch+North_Dutch+England_North-East @ 5,104932
 16 Nordrhein-Westfalen+Schleswig-Holstein+North_Dutch+England_North-East @ 5,110981
 17 Nordrhein-Westfalen+England_North-East+England_North-East+SV_Skane @ 5,119854
 18 Nordrhein-Westfalen+England_North-East+England_North-East+Denmark @ 5,124724
 19 Walloons+North_Dutch+North_Dutch+England_North-East @ 5,131146
 20 Walloons+North_Dutch+England_North-East+SV_Gotland @ 5,141442
 311408915 iterations.



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Gaussian method.

Noise dispersion set to 0,130062

Using 1 population approximation:

- 1 Niedersachsen @ 3,001319
 - 2 SV_Gotland @ 3,086103
 - 3 England_North-East @ 3,201779
 - 4 Denmark @ 3,271292
 - 5 SV_Skane @ 3,341547
 - 6 Pommern @ 3,41745
 - 7 Schleswig-Holstein @ 3,452716
 - 8 Northern_Ireland @ 3,473613
 - 9 England_South-East @ 3,534315
 - 10 Wales @ 3,585142
- 479 iterations.

Using 2 populations approximation:

- 1 England_North-East+SV_Gotland @ 2,716241
 - 2 Niedersachsen+England_North-East @ 2,738433
 - 3 Pommern+England_North-East @ 2,809167
 - 4 England_North-East+Denmark @ 2,90747
 - 5 Northern_Ireland+SV_Gotland @ 2,942253
 - 6 England_North-East+SV_Skane @ 2,947699
 - 7 Oberland(western_Ost_Preussen)+England_North-East @ 2,948669
 - 8 Niedersachsen+SV_Gotland @ 2,99688
 - 9 Niedersachsen+Niedersachsen @ 3,001319
 - 10 England_North-East+North_Sweden @ 3,003093
- 114960 iterations.

Using 3 populations approximation:

- 1 50% England_North-East +25% Niedersachsen +25% SV_Gotland @ 2,711316
 - 2 50% England_North-East +25% SV_Gotland +25% SV_Gotland @ 2,716241
 - 3 50% Niedersachsen +25% Niedersachsen +25% England_North-East @ 2,796255
 - 4 50% England_North-East +25% Niedersachsen +25% SV_Skane @ 2,805064
 - 5 50% Pommern +25% England_North-East +25% England_North-East @ 2,809167
 - 6 50% England_North-East +25% Niedersachsen +25% North_Sweden @ 2,811872
 - 7 50% England_North-East +25% SV_Gotland +25% Denmark @ 2,819037
 - 8 50% England_North-East +25% Niedersachsen +25% Denmark @ 2,821965
 - 9 50% England_North-East +25% SV_Gotland +25% SV_Skane @ 2,823934
 - 10 50% England_North-East +25% Niedersachsen +25% England_North-East @ 2,842317
- 15273403 iterations.

Using 4 populations approximation:

- 1 Niedersachsen+Niedersachsen+Niedersachsen+England_North-East @ 2,796255
 - 2 Central_Ost_Preussen+Niedersachsen+England_North-East+England_North-East @ 2,834564
 - 3 Central_Ost_Preussen+Niedersachsen+England_North-East+SV_Gotland @ 2,886168
 - 4 Central_Ost_Preussen+Niedersachsen+Niedersachsen+England_North-East @ 2,913272
 - 5 Niedersachsen+Northern_Ireland+SV_Gotland+SV_Gotland @ 2,914017
 - 6 Northern_Ireland+SV_Gotland+SV_Gotland+SV_Gotland @ 2,91751
 - 7 Niedersachsen+Niedersachsen+Northern_Ireland+England_North-East @ 2,924026
 - 8 Central_Ost_Preussen+Niedersachsen+England_North-East+SV_Skane @ 2,930745
 - 9 Niedersachsen+Niedersachsen+Northern_Ireland+SV_Gotland @ 2,932503
 - 10 Nordrhein-Westfalen+Niedersachsen+Niedersachsen+England_North-East @ 2,941501
 - 11 Northern_Ireland+Northern_Ireland+SV_Gotland+SV_Gotland @ 2,942253
 - 12 Niedersachsen+Niedersachsen+Schleswig-Holstein+England_North-East @ 2,94895
 - 13 Niedersachsen+SV_Gotland+SV_Gotland+FR_Brittany @ 2,951897
 - 14 Niedersachsen+Northern_Ireland+SV_Gotland+SV_Skane @ 2,952146
 - 15 Niedersachsen+Niedersachsen+SV_Gotland+FR_Brittany @ 2,957761
 - 16 Northern_Ireland+SV_Gotland+SV_Gotland+Denmark @ 2,958404
 - 17 Northern_Ireland+SV_Gotland+SV_Gotland+SV_Skane @ 2,962713
 - 18 Niedersachsen+Northern_Ireland+SV_Gotland+Denmark @ 2,962748
 - 19 Niedersachsen+Niedersachsen+Northern_Ireland+SV_Skane @ 2,967269
 - 20 Niedersachsen+Niedersachsen+Wales+England_North-East @ 2,967785
- 46414946 iterations.

Reference points method oracle (all references)

Similar to nMonte but uses different algorithm.

15 population aproximation %	Euclidean distance
England_North-East	12,66
Dutch_Noord_Holland	11,55
Dutch_Zuid_Holland	9,59
SV_Skane	8,50
Dutch_Utrecht	8,12
Nordrhein-Westfalen	7,51
England_North-West	6,29
Denmark	5,67
Schleswig-Holstein	5,48
Dutch_Overijssel	4,90
Dutch_Drenthe	4,75
England_South-East	3,83
Wales	3,76
Niedersachsen	3,73
Iceland	3,64



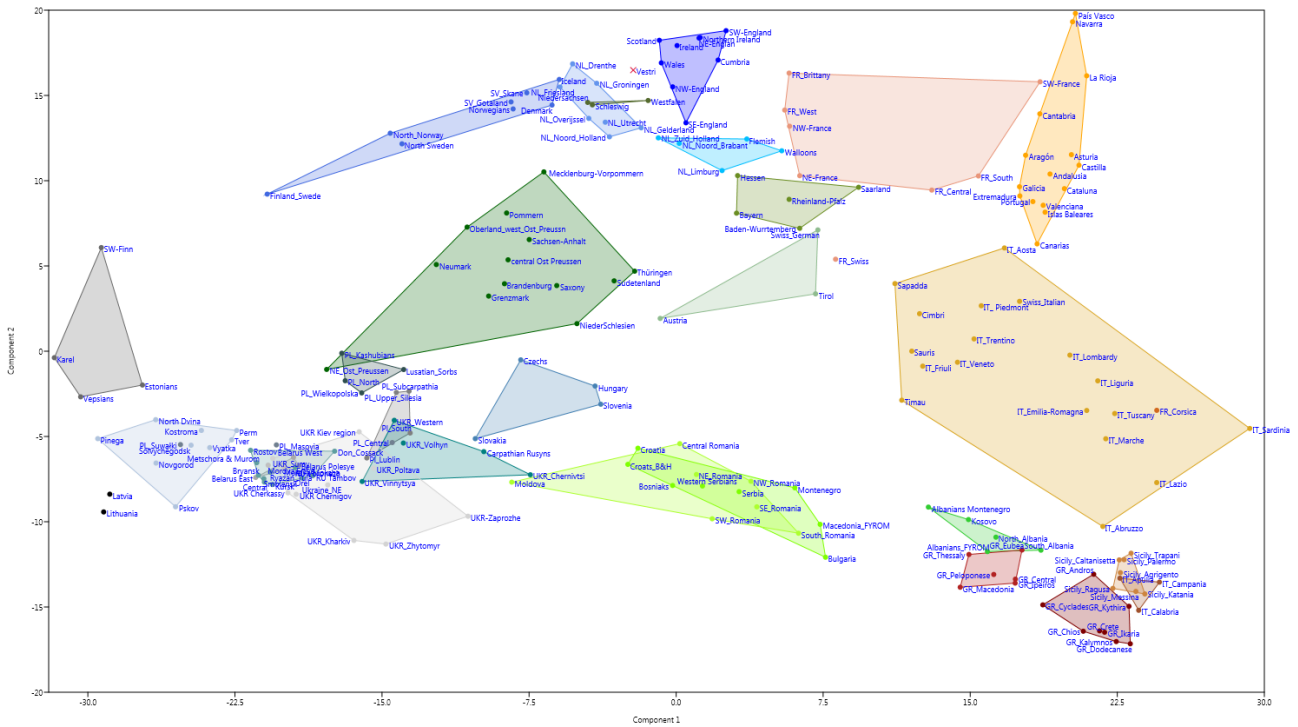
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II. Plots / dendrogram section

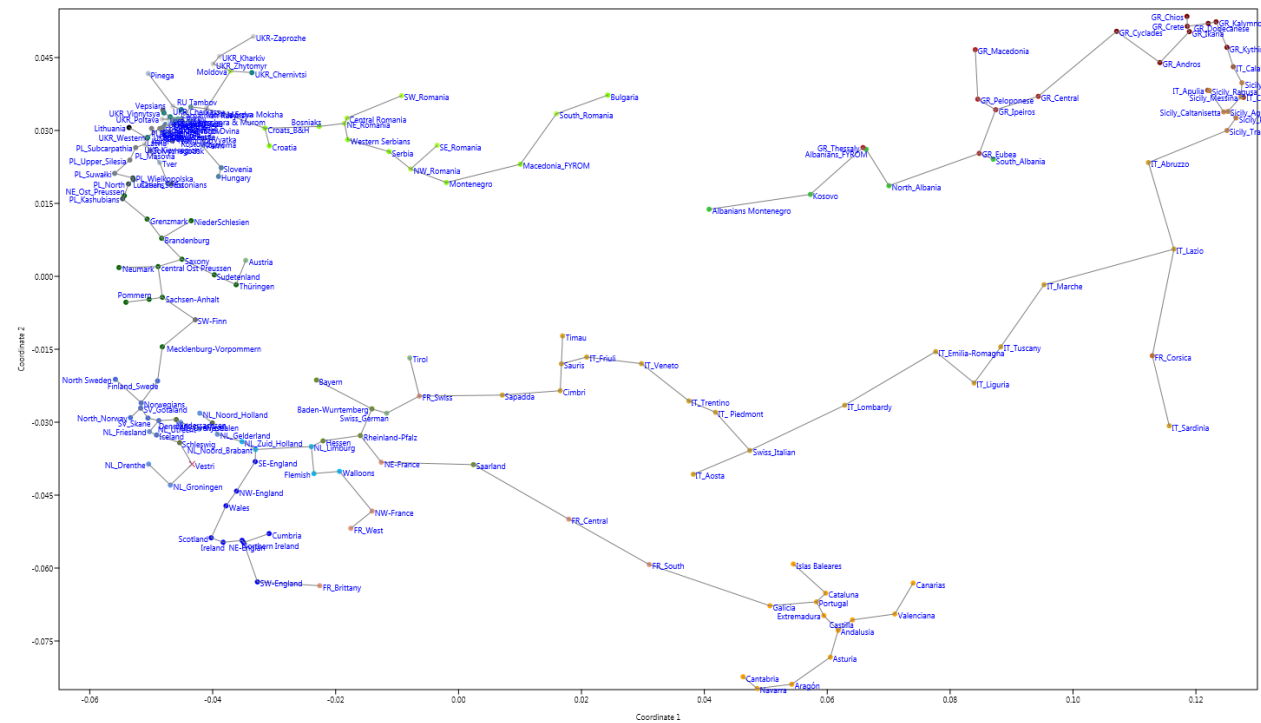
PCA

In the case of mixed individuals (with distant ancestry these tools will show them as a mid-point between their ancestral admixtures).



MDS (with minimum spanning tree)

Here are not only the dots and branches connected with you important, but also the dots nearest to you, just to a lesser extent. A span of longer distance on a branch shows also shows a greater genetic distance to you.

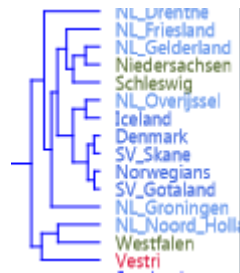




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Dendrogram (relevant part)

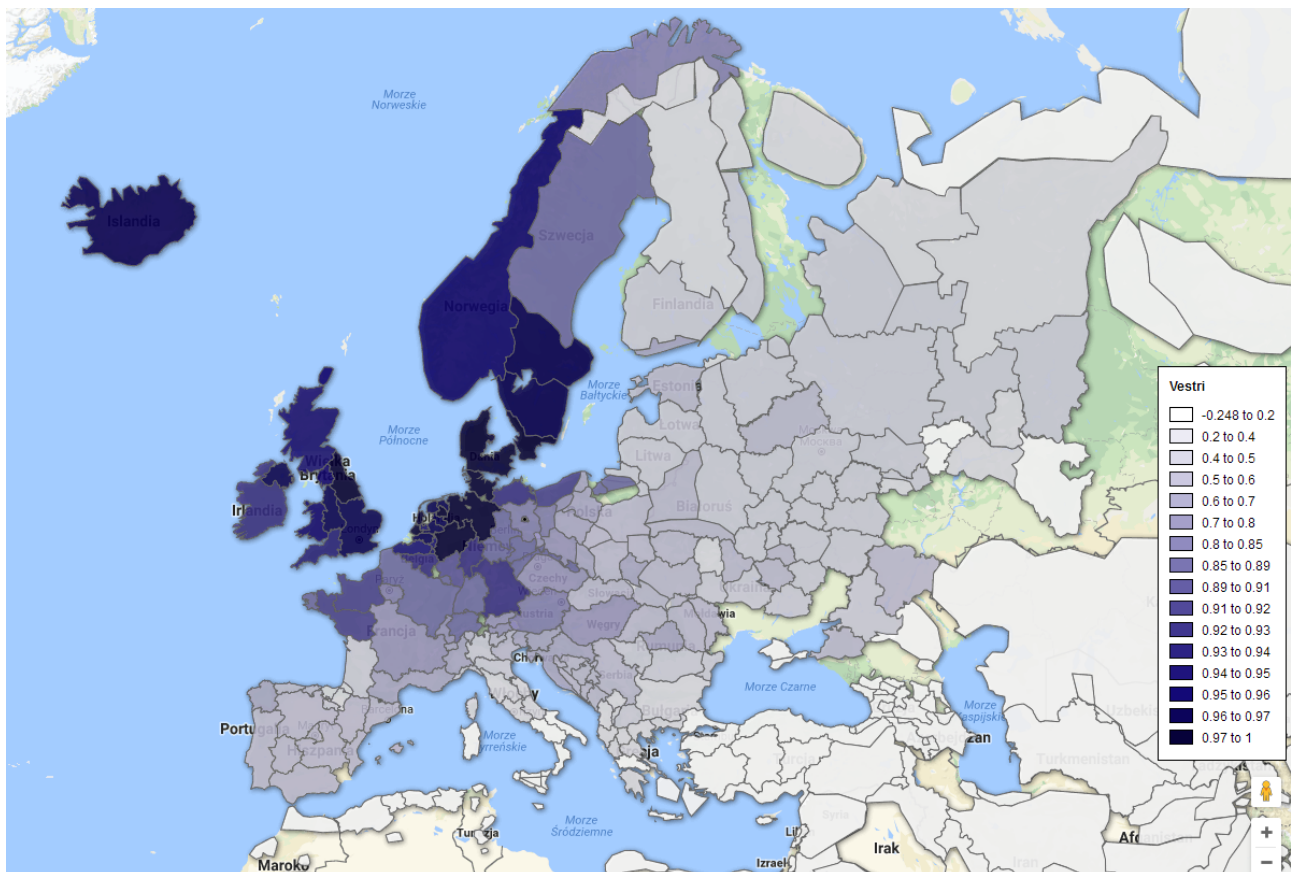


III. Population correlation section (map and list of correlated populations)

Below is a Pearson's linear correlation map which compares your results to different regional averages around the world (scale = -1, 1). In the case of mixed persons with distant parental admixtures, the top results are usually midpoint between them, however results lower down the list should show areas from the derived parental admixtures. For many people this is the best way to show their actual regional ancestry. It is also worth mentioning that some similar genetic regions like those from the North Sea Germanic cluster can show up even if they are not part of your actual ancestry. The map of course is a graphical representation of the correlation values list.

K36 Correlation Map

[GOOGLE MAP LINK](#) (Open to have geographic names in your language)



Correlation values (values below 0.2 are insignificant, below 0 completely not important)

1	Dutch_Noord_Holland	0.97463
2	Schleswig-Holstein	0.97459
3	England_North-East	0.97321
4	Dutch_Zuid_Holland	0.97282
5	Denmark	0.97278
6	Niedersachsen	0.97142
7	Dutch_Drenthe	0.97102
8	Nordrhein-Westfalen	0.97047
9	SV_Skane	0.97006
10	Dutch_Friesland	0.96933
11	Dutch_Noord_Brabant	0.96874
12	Dutch_Gelderland	0.96824



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13	Dutch_Overijssel	0.96623	
14	England_South-East	0.96421	
15	SV_Gotaland	0.9632	
16	SV_Svealand	0.9632	
17	Iceland	0.9618	
18	Dutch_Groningen	0.96071	
19	England_North-West	0.96069	
20	Northern Ireland	0.96034	
21	Wales	0.95979	
22	Norwegians	0.95889	
23	Orkney	0.95676	
24	Dutch_Utrecht	0.95616	
25	Cumbria	0.95064	
26	Dutch_Limburg	0.94423	
27	Scotland	0.94389	
28	Flemish	0.9426	
29	England_South-West	0.93755	
30	Hessen	0.92973	
31	Ireland	0.92833	
32	Bayern	0.9252	
33	Mecklenburg-Vorpommern	0.92093	
34	Walloons	0.9209	
35	FR_North-West	0.91697	
36	Pommern	0.91547	
37	FR_West	0.91316	
38	Rheinland-Pfalz	0.89432	
39	FR_North-East	0.88807	
40	North Sweden	0.88272	
41	FR_Brittany	0.88	
42	Baden-Württemberg	0.87414	
43	Oberland_Upper_Prussia	0.87253	
44	Sachsen-Anhalt	0.86756	
45	Sudetenland	0.86614	
46	Central_Prussia	0.85918	
47	Thüringen	0.8572	
48	Saarland	0.85322	
49	Saxony	0.85153	
50	Swiss_German	0.85051	
51	Austria	0.82454	
52	North_Norway	0.82353	
53	Brandenburg	0.82115	
54	Donau_Schwaben	0.81561	
55	Neumark	0.80202	
56	FR_mixed	0.80063	
57	FR_Swiss	0.79162	
58	Schlesien	0.79091	
59	IT_Bolzano	0.77375	
60	Tirol	0.77375	
61	Grenzmark	0.7597	
62	FR_Central	0.75282	
63	Czechs	0.73703	
64	Hungary	0.72639	
65	Sappada	0.72301	
66	Lusatian_Sorbs	0.70113	
67	FR_South	0.68803	
68	Slovenia	0.68196	
69	Cimbri	0.68066	
70	IT_Aosta	0.67321	
71	PL_Subcarpathia	0.65734	
72	PL_North	0.6481	
73	Swede_Finland	0.64666	
74	Greater_Poland (Wielkopolska)	0.64609	
75	Kashubians	0.64385	
76	PL_Upper_Silesia	0.6428	
77	Central Romania	0.63753	
78	ES_Galicia	0.63302	
79	IT_Piemonte	0.62634	
80	Croatia	0.62443	
81	IT_Friuli	0.61644	



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82	Sauris	0.60821	
83	Portugal	0.59921	
84	Islas Baleares	0.59829	
85	Swiss_Italian	0.59409	
86	IT_Trentino	0.59305	
87	Slovakia	0.5892	
88	Ukraine_Western	0.58913	
89	PL_South (Małopolska)	0.58886	
90	Croats_BIH	0.58788	
91	IT_Veneto	0.58563	
92	Ukraine Kiev region	0.57444	
93	Carpathian Rusyns	0.57204	
94	Spanish_mixed	0.56953	
95	Cataluna	0.56627	
96	Comunidad Valenciana	0.56488	
97	Cantabria	0.56355	
98	Principado de Asturias	0.56322	
99	North-East_Romania	0.56137	
100	PL_Central	0.55865	
101	Dutch_Ashkenazy	0.55646	
102	Bosniaks 1	0.55161	
103	Bosniaks 2	0.55161	
104	Western Serbians 1	0.55057	
105	Western Serbians 2	0.55057	
106	Ukraine_Volhyn	0.54761	
107	Cossacks_Kuban	0.54708	
108	Castilla y León	0.54588	
109	Castilla-La Mancha	0.54588	
110	Andalusia	0.54569	
111	Aragón	0.54297	
112	Extremadura	0.53845	
113	Timau	0.53615	
114	Estonians	0.53141	
115	North-West_Romania	0.53069	
116	PL_Masovia	0.52909	
117	Serbia	0.52016	
118	Moldova	0.51902	
119	Canarias	0.51741	
120	Ukraine_Poltava	0.51644	
121	Montenegro	0.51565	
122	Volgograd	0.51175	
123	Ukraine_Chernivtsi	0.50927	
124	Belarus Polesye	0.50874	
125	Belarus West	0.50814	
126	Ukraine_Sumy	0.50639	
127	Tver	0.50564	
128	PL_Lublin	0.50309	
129	RU Voronezh	0.49958	
130	La Rioja	0.49804	
131	Rostov	0.49531	
132	Ukraine_Vinnitsya	0.4953	
133	IT_Lombardia	0.49464	
134	South-West_Romania	0.48944	
135	South-East_Romania	0.4869	
136	Ryazan	0.48533	
137	Tula	0.48533	
138	Ukraine Chernigov	0.48057	
139	Orel	0.48015	
140	RU Metschora & Murom	0.47882	
141	NE-Prussia	0.47834	
142	RU Novgorod	0.47377	
143	RU Kostroma	0.47333	
144	Bryansk	0.47073	
145	RU Kursk	0.46894	
146	Belarus East	0.46875	
147	Ukraine_NE	0.46835	
148	Smolensk	0.46699	
149	South-West Finns	0.46321	
150	Perm	0.4627	



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151	PL_Suwalki	0.46219	
152	RU Tambov	0.45729	
153	RU Central	0.4558	
154	Ukraine Cherkassy	0.44791	
155	Zaporozhe_Cossacks	0.44705	
156	RU Solvychegodsk	0.444	
157	Latvia	0.42999	
158	Macedonia_FYROM	0.42666	
159	RU North Dvina	0.42659	
160	Kirov	0.42636	
161	IT_Emilja-Romagna	0.42464	
162	IT_Liguria	0.42416	
163	FR_South-West	0.42104	
164	Lithuanians	0.41932	
165	Mordva Erzya	0.41865	
166	RU Pskov	0.4167	
167	Albanians Montenegro	0.41303	
168	South_Romania	0.41105	
169	Vepsians	0.40505	
170	Karelians	0.40335	
171	Ukraine_Kharkiv	0.40272	
172	IT_Tuscany	0.39902	
173	IT_Marche	0.38932	
174	Mordva Moksha	0.38857	
175	Ukraine_Zhytomyr	0.38462	
176	RU Pinega	0.3846	
177	Lapp 1	0.3686	
178	Kosovo	0.36743	
179	Tatars_Kazan	0.36052	
180	FR_Corsica	0.3597	
181	Ingrians	0.35834	
182	FR_Basque	0.35593	
183	Bulgaria	0.35378	
184	East & North Finns	0.34483	
185	Navarra	0.33811	
186	Komi	0.33764	
187	País Vasco	0.33202	
188	North_Albania	0.31601	
189	Thrace	0.31269	
190	Albanians_FYROM	0.3084	
191	GR_Thessaly	0.29492	
192	Lapp 2	0.28853	
193	Lapp 3	0.28853	
194	South_Albania	0.28263	
195	GR_Thessaloniki	0.26421	
196	IT_Lazio	0.25702	
197	Sephardi_Portugal(Belmonte)	0.24129	
198	GR_Eubea	0.23789	
199	GR_Peloponese	0.23369	
200	IT_Abruzzo	0.22864	
201	Ipeiros	0.21357	
202	Udmurts	0.2133	
203	GR_Macedonia1	0.20133	
204	GR_Central	0.19959	
205	TUIN_Sousse	0.19215	
206	Belarus_Ashkenazy	0.17963	
207	GR_Andros	0.17614	
208	Romanian_Jew	0.16701	
209	Sicily_Trapani	0.15365	
210	Sicily_Caltanissetta	0.1345	
211	Sicily_Palermo	0.13165	
212	IT_Apulia	0.12801	
213	IT_Campania	0.12217	
214	Sicily_Ragusa	0.11846	
215	GR_Cyclades	0.11758	
216	Chuvashes	0.11602	
217	IT_Sardinia	0.11133	
218	Crimean Tatars Steppe	0.10713	
219	Crimean Tatars Coast	0.106	



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220	Poland_Ashkenazy	0.10378
221	Malta	0.10244
222	Sicily_Agrigento	0.098291
223	GR_Kythira	0.092467
224	Latvia_Ashkenazy	0.090352
225	Sicily_Katania	0.085663
226	AustroHungarian_Ashkenazy	0.083334
227	North_Dagestan	0.08242
228	Sicily_Messina	0.080782
229	France_Ashkenazy	0.068699
230	IT_Calabria	0.066547
231	German_Ashkenazy	0.066207
232	Bashkirs	0.065641
233	Mari	0.056949
234	GR_Chios	0.053335
235	GR_Crete	0.050977
236	Avars	0.048825
237	Sephardi_Bulgaria	0.048165
238	Tajik_Rushan	0.046304
239	GR_Ikaria	0.045761
240	GR_Kalymnos	0.043069
241	Greeks_Azov	0.038784
242	Italian_Jew	0.033098
243	Tajik_Shugnan	0.031118
244	Moroccan_Jew	0.029134
245	Tabassaran	0.024588
246	TUN_Bizerta	0.022118
247	GR_Dodecanese	0.021862
248	TR_Istanbul	0.0036559
249	Yagnobi	0.0033246
250	Burmese	-0.24808
251	Khasi	-0.22796
252	Yemen Hadramaut	-0.22526
253	Copts Sudan	-0.2105
254	Egyptians	-0.20977
255	Garo	-0.20838
256	Egyptian Copts	-0.20825
257	Iranian_Shiraz	-0.20517
258	Kurdish_Jew	-0.20113
259	Kusunda	-0.20069
260	Hazara_AFG	-0.20017
261	Azerbaijani_Jew	-0.19681
262	Tajiks_AFG	-0.19515
263	Assyrians	-0.19408
264	Iraqi_Jew	-0.19368
265	Lori	-0.19339
266	Cirenaica_Libyans	-0.19263
267	Hadza	-0.19102
268	Iranian	-0.19052
269	Iranian_Jew	-0.18936
270	Tat_Jew	-0.18812
271	Iranian_Mazandarani	-0.18515
272	Uzbekistan_Jew	-0.18435
273	Kikuyu	-0.18423
274	Iranian_Gilaki	-0.18376
275	Iranian_Kerman	-0.18272
276	ALG Oase Berber	-0.18192
277	Bedouin	-0.18184
278	Aeta&Agta	-0.18155
279	Brahmin Uttaranchal	-0.18133
280	Palestina	-0.18084
281	Ulchi	-0.18081
282	Kurd_Azerbaijan	-0.17969
283	Azeri	-0.17953
284	Georgian_Jew	-0.17942
285	Mumbai_Jew	-0.17925
286	Armenians	-0.17865
287	Thai	-0.1775
288	Kurd1	-0.17736



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289	Kurd2	-0.17736
290	Tibetan	-0.17711
291	Masaai	-0.17572
292	Sandawe	-0.17534
293	Yemen_North	-0.17437
294	Iranian_Bandari	-0.17431
295	Turkmenistan	-0.17427
296	Samoa	-0.17421
297	Beluji	-0.17278
298	Syria	-0.17206
299	Uzbek_AFG	-0.17061
300	Naga	-0.17025
301	Mongols	-0.1692
302	Han China	-0.16579
303	Batak Aeta	-0.16431
304	Samaritan	-0.16194
305	TR_Kayseri	-0.16146
306	Yemen_Jew	-0.16135
307	Vietnam North	-0.16112
308	Atayal	-0.16078
309	Vietnam Central	-0.16035
310	Lebanon_Muslim	-0.16029
311	Ami	-0.16001
312	Armenian_Jew	-0.1599
313	Luzon	-0.15962
314	Vietnam South	-0.15951
315	Luhya	-0.15916
316	Jordan	-0.15836
317	Zagawa	-0.15761
318	Igorot	-0.1567
319	Nivkhs	-0.15557
320	Turkey_Anatolia	-0.15537
321	TR_Trabzon	-0.15513
322	Saudi Arabia	-0.15507
323	Cochin_Jew	-0.15414
324	Luo	-0.15374
325	Khosa	-0.15328
326	Sindhi	-0.15292
327	Beja Hadendowa	-0.14939
328	Nubian north	-0.14939
329	Phillipino	-0.14921
330	Uzbek1	-0.14644
331	Uzbek2	-0.14644
332	Visaya	-0.14624
333	Oromo	-0.14609
334	Kalmyks	-0.14589
335	Madagascar	-0.14575
336	Tigre	-0.14548
337	Bajo	-0.14542
338	Bantu_Kenya	-0.14528
339	Uyghur	-0.14481
340	Kirghiz_Pamir	-0.14356
341	Amhara	-0.14279
342	Juang	-0.14272
343	Cambodia	-0.14238
344	Lazes	-0.14235
345	Makrani	-0.14175
346	Lebanon_Christian	-0.14117
347	Bonda	-0.14024
348	Gadaba	-0.13851
349	Ethiopian_Jew	-0.13699
350	Kyrgyzstan	-0.13665
351	Maori	-0.13639
352	Murut	-0.13639
353	Dusun	-0.1363
354	Turkmen_AFG	-0.1363
355	Buryat	-0.13585
356	Bangladeshi	-0.1354
357	Bangladeshi	-0.13537



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358	Meena	-0.13486	
359	Kharia	-0.13452	
360	Khonda_Dora	-0.13441	
361	Shiluk	-0.1341	
362	Savara	-0.13388	
363	TR_Adana	-0.13349	
364	Dinka	-0.13255	
365	Bengali	-0.13254	
366	Ho	-0.13244	
367	Brahmin Tamil Nadu	-0.13196	
368	Lambadi	-0.13161	
369	Bantu South Africa	-0.13146	
370	Dhurwa	-0.13037	
371	Baria	-0.1297	
372	Australian Aborigine	-0.12847	
373	East Moroccan Berbers	-0.12828	
374	Meghawal	-0.1282	
375	Korean	-0.12757	
376	Tharus	-0.12728	
377	Gujarati_D	-0.127	
378	Mawasi	-0.12658	
379	Malay	-0.12633	
380	Pontic_Greeks	-0.12616	
381	Georgia Imereti	-0.12611	
382	Gujarati_C	-0.12604	
383	South Moroccans	-0.12601	
384	Velamas	-0.12596	
385	Scheduled Caste Tamil Nadu	-0.1249	
386	Fang	-0.12423	
387	Bhunjia	-0.12382	
388	Lebbo	-0.12375	
389	Somali	-0.1235	
390	San	-0.12332	
391	Nuer	-0.12314	
392	South_Brahmin	-0.12248	
393	Kapu	-0.12202	
394	Eskimo	-0.12155	
395	Santhal	-0.12147	
396	Asur	-0.12126	
397	Brahmin_Himachal_Pradesh	-0.12102	
398	Tamil Ceylon	-0.12015	
399	Telugu	-0.11965	
400	Kurumba	-0.1195	
401	Punjabi_PAK	-0.11935	
402	Relli	-0.11858	
403	Yadava	-0.11854	
404	Nihali	-0.11838	
405	Athabaskan	-0.11836	
406	Bantu Zimbabwe	-0.11799	
407	Kongo	-0.11727	
408	Pashtun_PAK	-0.1171	
409	Western Georgia	-0.11672	
410	Eskimo Chukotka	-0.11646	
411	Druzes	-0.11604	
412	Melanesians	-0.11604	
413	Gambian Mandinka	-0.11587	
414	Gujarat	-0.11586	
415	Irula	-0.11516	
416	Scheduled Caste UP	-0.11493	
417	ALG_Laghovat	-0.11395	
418	Sakkili	-0.11387	
419	Muslim UP	-0.11358	
420	TR_Aydin	-0.11295	
421	Kannadi	-0.11177	
422	Chane_ARG	-0.11146	
423	Gujarati_B	-0.11123	
424	Paniya	-0.11119	
425	Mende	-0.11004	
426	Chukchis	-0.1095	



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427	Hakkipikki	-0.10923
428	Kashmiri Pandit	-0.10918
429	Yakuts	-0.10864
430	Kshatrija UP	-0.10838
431	Malayali	-0.10827
432	Madiga	-0.10825
433	Indonesian	-0.10749
434	Altaians	-0.10742
435	Georgia Svans	-0.10707
436	Hausa	-0.10687
437	Kazakhstan	-0.10619
438	Even-Magadan	-0.10365
439	Igbo	-0.1036
440	Even-Sakha	-0.10357
441	Brahmin UP	-0.10298
442	Mala	-0.10286
443	Burusho	-0.10153
444	Evenk-Krasnoyarsk	-0.10132
445	Brong	-0.10116
446	Mixe	-0.10093
447	Abkhasian	-0.10037
448	Georgia East	-0.10014
449	Biaka Pygmy	-0.10013
450	Esan	-0.099959
451	South Morocco Berbers	-0.099184
452	Evenk-SE	-0.098943
453	Japanese	-0.098412
454	Yoruba	-0.098148
455	Itelmen	-0.097502
456	Mixtec	-0.097421
457	Kalash	-0.097328
458	TUN_Tunis	-0.097057
459	502	-0.096424
460	Moroccan Casablanca	-0.096311
461	Wichi_ARG	-0.096094
462	Koryak	-0.095045
463	Syrian_Jew	-0.094776
464	Brahui	-0.094453
465	Pashtun_AFG	-0.094383
466	Mandinka	-0.093841
467	Cyprus	-0.093594
468	Saharawi	-0.093143
469	Quechua	-0.091462
470	Nganassan	-0.089692
471	Chitrali	-0.089609
472	Brahmin_Nepali	-0.089361
473	Cachi_ARG	-0.089282
474	Gujarati_A	-0.088078
475	Colla_ARG	-0.087817
476	Punjabi_IND	-0.086328
477	Tunisian Berber Chenini	-0.086215
478	TUN_Gabes	-0.084551
479	Jat Sikh	-0.084333
480	Karakalpaks	-0.084208
481	Dolgan	-0.08389
482	Bolivian	-0.081042
483	Jammu Brahmin	-0.077499
484	Libyan_Jew	-0.074226
485	Brahmin_Bihari	-0.069251
486	Ket	-0.063729
487	Circassians	-0.063646
488	Osettians	-0.062747
489	Kumyks	-0.059558
490	Karachays	-0.058048
491	Nenets	-0.057887
492	TUN_Siliana	-0.056009
493	ALG_Algier	-0.055781
494	ALG_North-West	-0.05465
495	ALG_North-East	-0.053328



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496	Selkups	-0.051279
497	Tajik	-0.04534
498	Kabardinians	-0.042485
499	Moroccan North	-0.037926
500	Balkars	-0.037587
501	ALG_Kabylie	-0.035488
502	Shors	-0.032799
503	Tunisian_Jew	-0.032704
504	Tatars_Siberia	-0.030649
505	Chechens	-0.024826
506	Algerian_Jew	-0.022949
507	Mansi	-0.02242
508	TUN_Sfax	-0.021799
509	Tajik_Iskashim	-0.020462
510	TR_Balikeshir	-0.020223
511	Khanty	-0.018941
512	Sephardi_Turkey	-0.017182
513	Lezgin	-0.0084376