SECOND PARENT ANCESTRY ESTIMATION REPORT

The Second Parent ancient break down is :

Population	Percentage
Yamnaya_RUS_Samara :	37.92 %
TUR_Barcin_N :	29.91 %
TUR_Tepecik_Ciftlik_N :	28.00 %
WHG :	3.98 %
MAR_Taforalt :	0.15 %
Han :	0.05 %

The Second Parent Neolithic Breakdown Interpretation (by OpenAI) :

Your Neolithic breakdown shows the proportions of your ancestry related to different ancient populations:

- **Yamnaya_RUS_Samara (37.92%)**: This component comes from the Yamnaya culture of the Pontic-Caspian steppe (present-day Russia), known for their significant contribution to the genetic makeup of many European populations during the Bronze Age.

- **TUR_Barcin_N (29.91%)**: This refers to Neolithic farmers from Barcin in northwest Anatolia (modern-day Turkey). These early agriculturalists contributed to the ancestry of people across Europe and the Near East.

- **TUR_Tepecik_Ciftlik_N (28.00%)**: This represents another group of Neolithic Anatolian farmers from central Turkey, closely related to Barcin but from a different region.

- **WHG (3.98%)**: Western Hunter-Gatherers, the indigenous foragers of Western Europe before the spread of farming.

- **MAR_Taforalt (0.15%)**: This is ancestry from the Taforalt population in Morocco, representing North African Epipaleolithic hunter-gatherers.

- **Han (0.05%)**: A very small amount of East Asian ancestry, related to the Han Chinese.

Overall, your results indicate a strong genetic influence from ancient Anatolian farmers and Yamnaya steppe herders, with a minor contribution from European hunter-gatherers and negligible traces from North African and East Asian populations. This pattern is typical for people whose ancestors lived in areas influenced by both early farming migrations from Anatolia and later steppe expansions.

All the reports below are based on Euclidean distance. Please refer to the legend below to help you evaluate whether your genetic distance result is a good match. Keep in mind that most ethnicity reports are based on **genetic similarity** rather than **direct ancestry**

GREAT	GOOD	AVERAGE	DISTANT	VERY DISTANT				

The Second Parent modern break down is :

How to interpret? This report estimates the ancestry using modern reference populations. If you have mixed ancestry, you may see different ancestral backgrounds reflected in the results. If the ancestry is less mixed, the report may highlight older or more ancient genetic connections.

Population	Percentage
Fit :	0.004961783461246837
Turkish_North_Macedonia :	13.69 %
Greek_Cyclades_Amorgos :	13.21 %
Macedonian :	11.50 %
Rumelia_East :	11.05 %
Montenegrin :	10.20 %
Italian_Liguria :	9.97 %
Greek_Corinthia :	8.70 %
Sorb_Niederlausitz :	7.53 %
Swiss_Italian :	4.23 %
Italian_Friuli_Venezia_Giulia_Sappada :	3.13 %
Greek_Crete_Heraklion :	2.12 %
Polish_Silesian :	1.95 %
Spanish_Pais_Vasco :	1.95 %

The Second Parent modern Breakdown Interpretation (by OpenAI) :

Your modern breakdown reflects a mix of Southeast European, Mediterranean, and some Central European ancestries. The largest percentages come from Turkish (North Macedonia), Greek (Cyclades, Corinthia, Crete), and Macedonian backgrounds, indicating strong roots in the Balkans and Aegean regions. The presence of Rumelia East and Montenegrin further supports a Balkan heritage.

Italian components (Liguria, Swiss Italian, Friuli Venezia Giulia Sappada) suggest connections to Northern Italy and possibly the Italian-speaking regions of Switzerland, pointing to Mediterranean and Alpine influences. The Sorb Niederlausitz and Polish Silesian elements indicate minor Central/Eastern European ancestry, possibly from Slavic migrations or historical movements in the region.

A small percentage from Spanish Pais Vasco (Basque Country) hints at a distant Western European connection, which is not uncommon due to historical Mediterranean trade and migrations.

Overall, your ancestry is predominantly Balkan and Mediterranean, with secondary influences from Central Europe and a minor Western European trace. This reflects the complex history and migrations in Southeast Europe and the Mediterranean basin.

The Second Parent ancient break down is :

How should this breakdown be interpreted? This analysis aims to trace your ancestry by referencing ancient populations.

Population	Distance
Fit :	0.002138028620113524
Roman*Anatolia*(100*BC-AD*700) :	13.53 %
Slavic*(AD*540-1270) :	12.07 %
European*Jew*(AD*1160-1400) :	10.94 %
Balkans*(AD*500-1000) :	8.79 %
Slavic*(AD*540-1100) :	8.60 %
Baltic*(AD*900-1050) :	8.38 %
Roman*Illyria*(AD*100-600) :	8.14 %
Thracian*(1100-200*BC) :	7.86 %
Illyrian*(750-200*BC) :	7.41 %
Germanic*(AD*700-1000) :	5.70 %
Byzantine*Anatolia*(AD*500-1100) :	4.77 %
Italian*(AD*650-1450) :	3.60 %

Your Ancient Breakdown Interpretation (by OpenAI) :

Your ancient breakdown shows the estimated genetic contributions from various historical populations and time periods. Here's how to interpret each component:

- **Roman Anatolia (100 BC–AD 700, 13.53%)**: Significant ancestry from people living in Anatolia (modern-day Turkey) during the Roman period, reflecting connections to the eastern Mediterranean and Roman Empire. - **Slavic (AD 540–1270, 12.07%)**: Substantial genetic input from early and medieval Slavic groups of Eastern Europe. - **European Jew (AD 1160–1400, 10.94%)**: Ancestry linked to Jewish populations in medieval Europe, indicating historical Jewish heritage. - **Balkans (AD 500–1000, 8.79%)**: Genetic ties to populations of the Balkan Peninsula during the early medieval era. - **Slavic (AD 540–1100, 8.60%)**: Additional Slavic ancestry, possibly from a different region or time within the Slavic expansion. - **Baltic (AD 900–1050, 8.38%)**: Ancestry from Baltic peoples (e.g., Lithuanians, Latvians) during the early medieval period. - **Roman Illyria (AD 100–600, 8.14%)**: Roots in Illyrian populations under Roman rule, centered in the western Balkans. - **Thracian (1100–200 BC, 7.86%)**: Heritage from ancient Thracians, an Indo-European people in southeastern Europe. - **Illyrian (750–200 BC, 7.41%)**: Additional ancestry from pre-Roman Illyrian groups in the western Balkans. - **Germanic (AD 700–1000, 5.70%)**: Genetic influence from Germanic tribes during the early Middle Ages. - **Byzantine Anatolia (AD 500–1100, 4.77%)**: Connection to populations in Anatolia under Byzantine rule. - **Italian (AD 650–1450, 3.60%)**: Ancestry from people living in Italy during the medieval and early Renaissance periods.

Overall, your results reflect a rich tapestry of ancestry from the eastern Mediterranean, Balkans, Eastern Europe, and some Western European influences, spanning from ancient through medieval times. This suggests your ancestors were part of various migrations and empires that shaped southeastern and eastern Europe.

The Second Parent 50 closest modern populations are :

How to interpret? If the closest population result shows a low genetic distance (for example, highlighted in bright green), you are very likely from that ethnicity or a closely related group. If you do not obtain a good distance with any population, it may indicate that you are of mixed ancestry, or that the specific ethnicity is not included in the Davidski reference datasheet.

Population	Distance
Greek_Eastern_Macedonia_and_Thrace	0.0120352744586346
Macedonian_North_Macedonia	0.0136008943694039
Moldovan_Stefan_Voda	0.0156694737323881
Torbeši_Polog	0.0161942514800777
Greek_Eastern_Rumelia/Northern_Thrace	0.0163327567543491
Pomak_Almopia_Plain	0.0166522522500712
Turkish_Balkans_(Balkan_Profile)	0.0167429991782477
Pomak_Greece	0.0171548743384703
Greek_Central_Macedonia	0.0171792631681338
Torbesi_North_Macedonia	0.0176528428649845
Pomak_Tikves_Plain	0.0179038496977605
Pomak_North_Macedonia	0.0179043555943798
Rumelia_East	0.0182509964933425
Vlach_Aromanian_Greece	0.0187619921186359
Gagauz	0.0191525492559085
Greek_Macedonia	0.0203128575783911
Turkish_North_Macedonia	0.0204182852120348
Turkish_Western_Macedonia	0.0205319328607903
Pomak_Danubian_Plain	0.0207788159431667
Albanian_Gheg_Serbia	0.0208401389280679
Pomak_Rhodope_Mountains	0.0208977958407101
Albanian	0.0211733835274384
Bulgarian	0.0212683213959165
Greek_East_Macedonia_and_Thrace	0.0212945724540316
Serb_North_Macedonia	0.0216577364237355
Pomak_Bulgaria	0.0218618968143102
Albanian_Gheg_North_Macedonia	0.022431729798658
Macedonian	0.0226255294965665

Greek_Thessaly	0.0232485495676612
Albanian_Tosk	0.0234304751290551
Greek_West_Taygetos	0.0236554490339964
Greek_Peloponnese_Messenia_Outer_Mani	0.0237942506152726
Greek_Epirus	0.0239019256716378
Swiss_Italian	0.0251667843794157
Romanian	0.0252033266455046
Greek_Peloponnese_Laconia_Sparta	0.0254574384969044
Turkish_Istanbul_(Balkan_Profile)	0.0256811785555103
Italian_Friuli-Venezia_Giulia	0.0261980044501491
Bosniak_Sandzak	0.0269118970635794
Greek_Peloponnese_Achaea	0.026960570290081
Greek_Achaea	0.0269609406920456
Italian_Northeast	0.0273063863226169
Greek_Euboea	0.02760805214969
Albanian_Gheg	0.027653564876159
Greek_Messenia	0.0276882890226175
Greek_Peloponnese_Messenia	0.0281563003858564
Greek_Central_Greece_Phthiotis	0.0282240508564947
Italian_Romagna	0.0284148341540119
Greek_Peloponnese_Elis	0.0285550578174395
Greek_Elis	0.0286634897735778

Closest modern populations (by OpenAI) :

Your closest modern populations list shows which present-day groups your genetic profile most closely matches, based on DNA analysis. The numbers in parentheses are genetic distances—lower values mean a closer genetic similarity.

Most of your closest matches are from the Balkans, especially northern Greece (Eastern Macedonia and Thrace), North Macedonia, Bulgaria (Pomak, Torbeši), and adjacent regions like Moldova and parts of Turkey with Balkan heritage. There are also close matches with Vlach/Aromanian, Albanian, Gagauz, and some southern Romanian populations.

This pattern suggests your ancestry is primarily Balkan, with strong affinities to Greek, Macedonian, Bulgarian, and possibly Albanian or Turkish-Balkan groups. The presence of Pomak, Torbeši, and Turkish_Balkans profiles indicates historical mixing among Orthodox Christian, Muslim, and other communities in the region. More distant but still notable matches with Italian, Swiss-Italian, and Romanian groups reflect broader Southeast European and Mediterranean connections.

Overall, your genetic profile is typical for someone from the central or eastern Balkans, especially the borderlands of Greece, North Macedonia, Bulgaria, and nearby areas, with secondary affinities extending into southern Romania, Moldova, and northern Italy.

The Second Parent 50 closest modern 2-Ways are :

About 2Ways Analysis

The 2Ways feature compares the coordinates to those of all referenced populations in the modern Davidski datasheet. It measures how closely the admixture percentages align with each population. Please note that 2Ways does not measure shared DNA between the kit and the reference samples—it is a statistical comparison based on admixture profiles.

- If you come from a single ethnicity, focus on the populations closest to you, as these will be the most relevant.
- If you are of mixed ancestry (for example, if the parents come from different ethnic backgrounds), the closest 2Ways result will likely reflect a combination close to '50% Parent 1 Ethnicity / 50% Parent 2 Ethnicity.'
- For people with complex or multiple recent admixtures (such as many from Latin America), the 2Ways analysis may not provide highly accurate results, as it is less effective for individuals with highly mixed heritage.

Population	Distance
65% Montenegrin + 35% Italian_Calabria	0.00765520813556959
61% Montenegrin + 39% Italian_Basilicata	0.00791415526706218
60% Montenegrin + 40% Italian_Apulia	0.0079450636199382
63% Montenegrin + 37% Italian_Campania	0.00799706548484374
52% Bosnian + 48% Italian_Basilicata	0.00849920802299104
58% Montenegrin + 42% Italian_Abruzzo	0.00854225415603192
85% Greek_Central_Macedonia + 15% German_Hamburg	0.00856310518416455
87% Greek_Central_Macedonia + 13% Danish	0.00857528085963388
80% Greek_Central_Macedonia + 20% Austrian	0.00861336793944625
87% Greek_Central_Macedonia + 13% Icelandic	0.00870042098303518
85% Greek_Central_Macedonia + 15% Dutch	0.00874052251327933
83% Greek_Central_Macedonia + 17% German	0.00875576437937067
82% Greek_Central_Macedonia + 18% German_Erlangen	0.00876065360464583
63% Romanian + 37% Greek_Laconia	0.00883171819972221
88% Greek_Central_Macedonia + 12% Swedish	0.00884186602075128
87% Greek_Central_Macedonia + 13% Irish	0.0089582950539708
59% Serbian + 41% Italian_Basilicata	0.00895975238919893
87% Greek_Central_Macedonia + 13% Norwegian	0.00900366089761875
86% Greek_Central_Macedonia + 14% Orcadian	0.00902832840472434
86% Greek_Central_Macedonia + 14% English	0.00902938151972832
87% Greek_Central_Macedonia + 13% Shetlandic	0.00904144233096177
63% Serbian + 37% Italian_Calabria	0.00904153435249939

86% Greek_Central_Macedonia + 14% Welsh	0.00905083030583167
84% Greek_Central_Macedonia + 16% Afrikaner	0.00905265282015387
86% Greek_Central_Macedonia + 14% Scottish	0.00905770306194062
86% Greek_Central_Macedonia + 14% English_Cornwall	0.00906100134797191
64% Macedonian + 36% Italian_Umbria	0.00909505258681979
73% Montenegrin + 27% Sephardic_Jew	0.00919785550802354
51% Bosnian + 49% Italian_Apulia	0.00923383352148454
63% Macedonian + 37% Italian_Marche	0.00928776139063319
85% Greek_Central_Macedonia + 15% Czech	0.00928866168421583
57% Montenegrin + 43% Italian_Molise	0.00929193609928049
85% Greek_Central_Macedonia + 15% German_East	0.00930585621499658
68% Romanian + 32% Italian_Basilicata	0.00932232823632789
67% Greek_Peloponnese + 33% Austrian	0.00935945435307997
52% Italian_Abruzzo + 48% Bosnian	0.00942845724210789
60% Greek_Thessaly + 40% Montenegrin	0.00942886547763214
65% Montenegrin + 35% Greek_Crete	0.00943904430443088
54% Bosnian + 46% Italian_Campania	0.00944442407070834
72% Romanian + 28% Italian_Calabria	0.00948384878471374
62% Rumelia_East + 38% Italian_Northeast	0.00949396909984229
53% Italian_Molise + 47% Bosnian	0.00951914801841779
61% Greek_Laconia + 39% Slovenian	0.0095275976322202
55% Italian_Basilicata + 45% Slovenian	0.00962319572299851
70% Montenegrin + 30% Greek_Dodecanese	0.00964392920701012
59% Greek_Izmir + 41% Slovenian	0.00970671254848196
71% Romanian + 29% Italian_Campania	0.0097136138996368
68% Romanian + 32% Italian_Apulia	0.00972568534807917
53% Greek_Peloponnese + 47% Montenegrin	0.00974152016843075
56% Bosnian + 44% Italian_Calabria	0.00974603648414145
55% Romanian + 45% Greek_Peloponnese	0.00975098804016775

The Second Parent closest 2Ways interpretation (by OpenAI) :

Your "closest 2Ways" results are showing the top combinations of two populations that best fit your DNA profile, based on a statistical model that tries to minimize the difference ("distance") between your genetic data and these population mixes. Each line lists a percentage split between two reference populations and a distance value in parentheses—the lower this value, the better the fit.

For example: - "65% Montenegrin + 35% Italian_Calabria (0.0076)" means your DNA can be modeled as 65% similar to Montenegrin and 35% similar to people from Calabria, Italy, with a very low genetic distance, indicating a close match.

The populations that repeat most often (Montenegrin, Bosnian, Greek_Central_Macedonia, Italian regions) suggest your ancestry is primarily from the Western Balkans and Southern Italy, with some affinity to Greece and nearby regions. The presence of other Mediterranean and Balkan populations supports this interpretation.

Percentages represent the best statistical mix, not exact genealogical ancestry. The list is ranked by fit, so the top combinations are the most likely broad regional ancestries reflected in your DNA, with the lowest distance values being most relevant. The further down the list, the less precise the match.

In summary, your DNA is most similar to a blend of populations from the Western Balkans (Montenegrin, Bosnian, Serbian, Macedonian) and Southern Italy (Calabria, Basilicata, Apulia, Campania), with secondary similarities to Greeks and Romanians. The distances are all quite low, indicating a strong connection to these regions.

The Second Parent ancient map :

How to interpret? This map aims to illustrate your ancient ancestry by displaying your genetic similarities to historical populations across different regions.

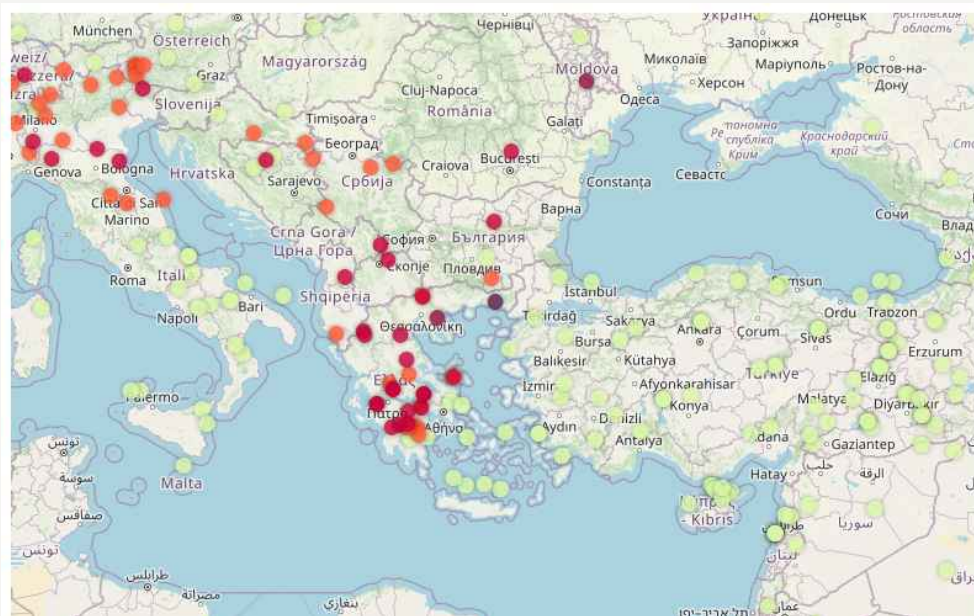| GREAT | GOOD | AVERAGE | DISTANT | VERY DISTANT |

The Second Parent modern similitude map :

How to Interpret This Map?

This similarity map is based on the modern Davidski G25 dataset and the French averages from the Explore Your DNA Project. The map is most accurate for individuals who belong to a single ethnicity. For people with mixed ancestry, it will show midpoint populations closest to the overall genetic composition.

Keep in mind, this map represents the genetic similarity compared to pre-colonial populations. For example, individuals from Latin America may see results reflecting ancestry in both the Americas and Europe. Similarly, North Americans, Australians, and South Africans may have mixed regional results.

Nomadic tribes and diasporic populations (such as Ashkenazi Jews, Roma, etc.) may not appear directly on the map. Instead, their results may indicate ancient ancestral locations (e.g., Ashkenazi Jews may appear in both the Levant and Europe).

Conclusion (by OpenAI):

Based on your provided data, the genetic profile in question is centered in the Balkans, with the closest affinities to populations from Northern Greece (Eastern Macedonia and Thrace), North Macedonia, and surrounding regions such as Bulgaria, Albania, and parts of Turkey with Balkan ancestry. There is also a notable proximity to populations like Montenegrins, Macedonians, Greeks (especially from Macedonia and Central Greece), and some Italian groups, particularly from the northeast and south.

The Neolithic breakdown shows significant ancestry from Anatolian Neolithic farmers (Barcin and Tepecik Ciftlik), a substantial Yamnaya (steppe) component, and a minor Western Hunter-Gatherer (WHG) input, reflecting the typical mix found in modern Balkan populations. The ancient component is a blend of Roman (both Anatolian and Illyrian), Slavic, Balkan, Thracian, Illyrian, and some Germanic and Byzantine influences, consistent with the region's known historical migrations and admixtures.

Modern population matches and two-way mixes further confirm a genetic profile intermediate between South Slavic (Montenegrin, Macedonian, Serbian, Bulgarian), Greek, and certain Italian (especially southern and northeastern) populations, with some additional signals from populations with Balkan ancestry in Turkey and Romania.

Overall, the genetic signature is typical of a Northern Greek, Macedonian, or Western Bulgarian individual, possibly with some additional South Slavic and minor Italian or Anatolian influences, reflecting the complex admixture history of the central and southern Balkans. The profile is not typical of Western Europe or the Near East but is highly characteristic of the central and northern Balkan Peninsula.