

## SECOND PARENT ANCESTRY ESTIMATION REPORT

### The Second Parent ancient break down is :

Population	Percentage
TUR_Barcin_N :	51.62 %
Yamnaya_RUS_Samara :	35.77 %
WHG :	12.62 %

#### The Second Parent Neolithic Breakdown Interpretation (by OpenAI) :

Your Neolithic breakdown shows the estimated proportions of your ancestry from three key ancient populations:

- **TUR\_Barcin\_N (51.62%)**: This refers to Neolithic farmers from the Barcin site in northwestern Turkey. Over half of your ancestry is linked to these early Anatolian farmers, who played a major role in spreading agriculture into Europe.

- **Yamnaya\_RUS\_Samara (35.77%)**: This component comes from the Yamnaya culture of the Russian steppe, associated with Bronze Age pastoralists. They are connected to the spread of Indo-European languages and contributed significantly to the genetic makeup of many Europeans.

- **WHG (12.62%)**: WHG stands for Western Hunter-Gatherers, the indigenous hunter-gatherer populations of western and central Europe before the arrival of Neolithic farmers.

In summary, your results suggest a genetic heritage that is predominantly Neolithic Anatolian farmer, with a substantial Yamnaya steppe influence and a smaller contribution from ancient European hunter-gatherers. This profile is typical for many people of European or West Asian descent, reflecting the major population movements and admixtures in prehistoric Eurasia.



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**



## 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 :	0.006926039019489635
Shetlandic :	28.59 %
Sardinian :	21.46 %
French_Paris :	19.54 %
English_Cornwall :	12.83 %
Spanish_Soria :	11.72 %
Italian_Friuli_Venezia_Giulia_Sappada :	5.04 %

### The Second Parent modern Breakdown Interpretation (by OpenAI) :

Your modern breakdown reflects the estimated proportions of your genetic ancestry linked to specific regions or populations in Europe. Here's how to interpret each component:

- **Shetlandic (28.59%)**: A significant part of your ancestry is connected to the Shetland Islands, north of Scotland, indicating strong Northern European or Scottish-Norse roots. - **Sardinian (21.46%)**: A notable portion comes from Sardinia, an island in the Mediterranean, which often reflects ancient European and Mediterranean lineage. - **French\_Paris (19.54%)**: Nearly a fifth of your ancestry is associated with the Paris region, suggesting Central or Northern French heritage. - **English\_Cornwall (12.83%)**: This points to ancestry from the southwestern tip of England, an area with distinct Celtic and Anglo-Saxon influences. - **Spanish\_Soria (11.72%)**: This shows a connection to central Spain, possibly reflecting Iberian or Castilian roots. - **Italian\_Friuli\_Venezia\_Giulia\_Sappada (5.04%)**: A smaller percentage links you to the Sappada area in northeastern Italy, which may indicate Alpine or Central European influences.

Overall, your genetic makeup is a blend of Northern and Western European, Mediterranean, and some Central European elements, reflecting a diverse heritage from across Europe.



## 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 :	0.005617045621269934
Germanic*(AD*100-630) :	16.12 %
Sardinian*(AD*770-1000) :	15.49 %
Italic*and*Etruscan*(900-200*BC) :	14.07 %
Insular*Celt*(AD*100-1000) :	13.47 %
Germanic*(AD*700-1000) :	13.38 %
Roman*Sardinia*(AD*400-500) :	7.85 %
Pict*(AD*300-500) :	6.95 %
Roman*Britain*(AD*100-400) :	6.52 %
Sicani*(900-400*BC) :	2.10 %
Khwarazm*and*Transoxiana*(100*BC-AD*950) :	2.00 %
Italian*(AD*650-1450) :	1.27 %

### Your Ancient Breakdown Interpretation (by OpenAI) :

Your ancient breakdown lists the genetic influences from various historical populations and time periods found in your DNA. Here's how to interpret each component:



- **Germanic (AD 100-630) (16.12%)**: A significant portion of your ancestry comes from early Germanic peoples in Europe during the late Roman and early Medieval periods. - **Sardinian (AD 770-1000) (15.49%)**: You have substantial genetic ties to medieval Sardinia, an island in the western Mediterranean. - **Italic and Etruscan (900-200 BC) (14.07%)**: This reflects ancient roots in central Italy, including both Italic tribes and the Etruscans, who predated the Romans. - **Insular Celt (AD 100-1000) (13.47%)**: Your ancestry includes Celtic populations from the British Isles during the early Medieval era. - **Germanic (AD 700-1000) (13.38%)**: Another notable Germanic component, this one from a slightly later period, possibly linked to migrations like the Anglo-Saxons or Vikings. - **Roman Sardinia (AD 400-500) (7.85%)**: Ancestry from Sardinia during the late Roman Empire, suggesting continuity or additional waves of settlement. - **Pict (AD 300-500) (6.95%)**: Genetic traces from the Picts, an ancient people of northern Scotland in late antiquity. - **Roman Britain (AD 100-400) (6.52%)**: Roots in Britain during the Roman occupation, reflecting the blend of local and Roman influences. - **Sicani (900-400 BC) (2.10%)**: Minor ancestry from the Sicani, an ancient people of Sicily before Greek and Roman influence. - **Khwarazm and Transoxiana (100 BC-AD 950) (2.00%)**: A small proportion of your ancestry traces back to Central Asia, possibly from ancient Silk Road connections. - **Italian (AD 650-1450) (1.27%)**: Later Italian ancestry from the Medieval period.

Overall, your DNA reflects a blend of Western European (Germanic, Celtic, Roman Britain, Pict), Mediterranean (Sardinian, Italic, Etruscan, Sicani, Italian), and a small amount of Central Asian heritage, spanning from the Iron Age to the Middle Ages. This suggests ancestors who lived in or migrated through these regions over the last 3,000 years.

## 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
French_Occitan_Occitanie_Haute-Garonne	0.0141645979837895
French_Occitanie	0.0142993208929655
French_Auvergne	0.0149315582910827
French_Occitan_Auvergne-Rhone-Alpes_Drome	0.0150617413999843
French_Occitan_Auvergne-Rhone-Alpes_Puy-de-Dome	0.0153241459041826
Vendée (France)	0.0163165716006432
French_Occitan_Auvergne-Rhone-Alpes_Ardeche	0.0166331133286472
Corrèze (France)	0.0175099388709683
French	0.0175511645103821
French_Arpitan_Auvergne-Rhone-Alpes_Loire	0.0178527509084735
Loire (France)	0.017853285553368
French_Occitan_Auvergne-Rhone-Alpes_Haute-Loire	0.0180923385788018
French_Oil_Bourgogne-Franche-Comte_Saone-et-Loire	0.0181238468391785
Haute-Loire (France)	0.0184151525711639
French_Arpitan_Auvergne-Rhone-Alpes_Isere	0.0191263655983044
Swiss_French	0.0203404952987876
French_Oil_Ile-de-France_Paris	0.0204005940991884
French_Paris	0.0204007879014513
French_Canadian	0.0210049726762209
Charente Maritime (France)	0.0216555406016567
Gironde (France)	0.0219067106613476
Italian_Aosta_Valley_(Valdotain)	0.0219996706677293
Spanish_Girona	0.0220996266936797
Saône et Loire (France)	0.0221988626285222
Spanish_Catalonia_Penedes_(Catalan)	0.0223536986465524
Spanish_Penedes	0.0223539934687295
Spanish_Catalonia_Girona_(Catalan)	0.0228378190596627
Italian_Aosta_Valley	0.0231555871443589

Swiss_German	0.0233100885669703
BelgianC	0.0233551804959842
Sarthe (France)	0.0234449982298997
Spanish_Catalunya_Central	0.0237684731524766
Spanish_Catalonia_Central_(Catalan)	0.0237687508462511
Spanish_Catalonia_(Catalan)	0.0237750977271914
Spanish_Barcelones	0.0239999207498691
Spanish_Catalonia_Barcelones_(Catalan)	0.0240000267699851
Haute-Vienne (France)	0.0240492993660938
French_Provence	0.0240706069304453
French_Occitan_Provence-Alpes-Cote_d'Azur_Bouches-du-Rhone_Marseille	0.0243730033219804
Spanish_Lleida	0.0243831135419577
Spanish_Catalonia_Lleida_(Catalan)	0.0243833027137236
Haute-Garonne (France)	0.024780453901535
Spanish_Catalonia_Peri-Barcelona_(Catalan)	0.0250573823405399
Spanish_Peri-Barcelona	0.0250578211742362
French_Occitan_Provence-Alpes-Cote_d'Azur	0.0251680929514435
Savoie (France)	0.0252819263111022
Deux Sèvres (France)	0.0252925453938507
French_Oil_Centre-Val_de_Loire_Indre	0.0257233329294631
Doubs (France)	0.0258052462107998
French_Oil_Pays_de_la_Loire_Maine-et-Loire	0.0258816554580653

#### Closests modern populations (by OpenAI) :

Your list shows your closest modern populations based on genetic similarity, with lower numbers indicating a closer match. The populations at the top—such as French Occitan from Haute-Garonne, French Occitanie, and French Auvergne—suggest your ancestry is most similar to people from southern and central France, particularly the Occitan-speaking regions and neighboring areas like Auvergne.



Other close matches include French regions like Vendée, Corrèze, Loire, and Haute-Loire, as well as Swiss French and some northern Spanish regions (Catalonia, Girona, Penedès, Lleida). This pattern reflects strong genetic ties to southern France with some overlap into neighboring regions of Switzerland, Italy (Aosta Valley), and northern Spain, especially Catalonia.

The presence of French Canadians and Belgians further down the list suggests distant but notable connections to French diaspora and neighboring Francophone regions. Overall, your genetic profile is typical of someone from south-central France, especially the Occitan area, with some affinities extending into adjacent regions.

## 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
69% Dutch + 31% Sardinian	0.0109169581178156
66% Shetlandic + 34% Sardinian	0.0115275742040479
68% Scottish + 32% Sardinian	0.0121104203704385
67% Irish + 33% Sardinian	0.012389375932602
71% Welsh + 29% Sardinian	0.0124406426576179
64% Norwegian + 36% Sardinian	0.012961939736125
70% English + 30% Sardinian	0.0130842312299118
65% Danish + 35% Sardinian	0.0133014334369926
71% English_Cornwall + 29% Sardinian	0.0134225161769842
72% Spanish_Girona + 28% English_Cornwall	0.0135757678679577
70% Spanish_Castello + 30% Shetlandic	0.0135933936517635
67% Orcadian + 33% Sardinian	0.0136941167495841
73% Spanish_Girona + 27% English	0.0138667962879618
72% Spanish_Girona + 28% Welsh	0.0139275770881084
76% Spanish_Girona + 24% Shetlandic	0.0139890456030903
75% Spanish_Girona + 25% Scottish	0.0140958702751778
76% Spanish_Girona + 24% Irish	0.0141465374835215
73% Spanish_Girona + 27% Dutch	0.0141752489344351
78% Spanish_Girona + 22% Norwegian	0.0142473778655666
77% Spanish_Girona + 23% Danish	0.0142969787769747
75% Spanish_Girona + 25% Orcadian	0.0143303342016602
65% Spanish_Castello + 35% English_Cornwall	0.0144484731520414

64% Spanish_Baleares + 36% English_Cornwall	0.0144970202402133
60% Italian_Aosta_Valley + 40% Basque_Araba	0.0145811278132782
65% Spanish_Castello + 35% Welsh	0.0146216420902376
67% Spanish_Castello + 33% Dutch	0.0146273054234054
64% Spanish_Baleares + 36% Welsh	0.0147851454671112
65% Spanish_Baleares + 35% English	0.0147951037576396
79% Spanish_Girona + 21% Icelandic	0.0148550522669424
69% Spanish_Castello + 31% Scottish	0.0148726879745021
67% Spanish_Castello + 33% English	0.0149044226771923
69% Spanish_Baleares + 31% Irish	0.0150567665445134
70% Spanish_Castello + 30% Irish	0.01512517608054
67% Spanish_La_Rioja + 33% Shetlandic	0.0151642789990804
72% Spanish_Castello + 28% Danish	0.01517958098343
69% Spanish_Peri-Barcelona + 31% English_Cornwall	0.0152504405347698
71% Spanish_Lleida + 29% Dutch	0.0152536952112961
81% Spanish_Girona + 19% Swedish	0.0152558447260879
74% Spanish_Lleida + 26% Shetlandic	0.0152817061490828
70% Spanish_Peri-Barcelona + 30% English	0.0152865383265973
69% Spanish_Peri-Barcelona + 31% Welsh	0.0153237232172172
68% Spanish_Baleares + 32% Scottish	0.0153402400933352
70% Spanish_Peri-Barcelona + 30% Dutch	0.0153405952613186
73% Spanish_Peri-Barcelona + 27% Irish	0.0153593000720182
74% Spanish_Peri-Barcelona + 26% Shetlandic	0.0153623804169552
63% Icelandic + 37% Sardinian	0.01536440768708
73% Spanish_Penedes + 27% English_Cornwall	0.0153663104402008
72% Spanish_Peri-Barcelona + 28% Scottish	0.0153830051422691
71% Spanish_Catalunya_Central + 29% English_Cornwall	0.0154050248489568
70% Spanish_Lleida + 30% Welsh	0.0154245108199464
75% Spanish_Catalunya_Central + 25% Shetlandic	0.0154296298795573

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

Your "closest 2Ways" results are showing the best-fit combinations of two reference populations that model your genetic ancestry, with the percentage indicating the proportion from each group. The decimal in parentheses is a fit score (lower is better), reflecting how well the combination matches your DNA.

For example, "69% Dutch + 31% Sardinian (0.0109)" means your DNA is best explained as 69% similar to Dutch and 31%



similar to Sardinian, with a very good fit. The next best fits are similar: mostly Northwestern European (Dutch, Shetlandic, Scottish, Irish, Welsh, Norwegian, English, Danish, etc.) mixed with Sardinian.

The presence of Sardinian in many top results suggests a component of Southern European or Mediterranean ancestry, as Sardinians are often used as a proxy for early European farmers in genetic analyses.

Later results show combinations involving Spanish regions and Northwestern Europeans, which may indicate some Iberian or broader Mediterranean ancestry in addition to the Northern European component.

Overall, your genetic profile is modeled as a mix of Northwestern European (British Isles, Dutch, Scandinavian) and Mediterranean (especially Sardinian, some Spanish) ancestry. The low fit scores indicate these combinations are a very good match for your DNA.

## 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



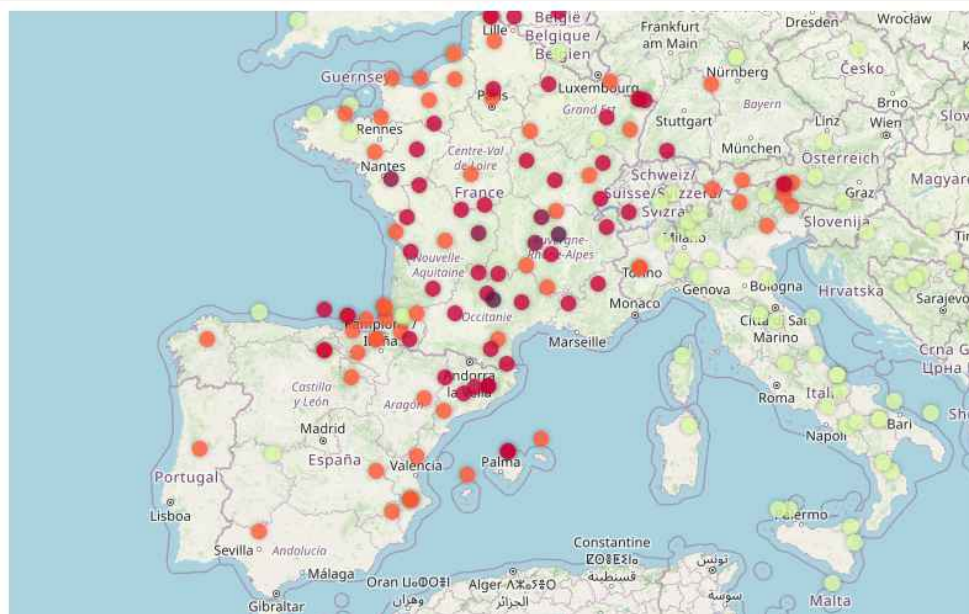
## The Second Parent modern similitude map :

### 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 breakdowns and closest populations, your genetic profile shows a strong connection to southern France, particularly the Occitan and Auvergne regions, with additional ties to northern Spain (Catalonia, Girona), and some influence from surrounding areas like Swiss French, Aosta Valley Italians, and even Belgian and Swiss Germans. The closest modern populations are overwhelmingly French from the south and center, with some Spanish Catalan and northern Italian overlap.



Your ancient ancestry is a complex mix: the largest Neolithic component is Anatolian farmer (TUR\_Barcin\_N), with significant Yamnaya (steppe) and Western Hunter-Gatherer (WHG) input. Ancient samples place you primarily among early and medieval populations of Western Europe—Germanic, Insular Celtic, Italic/Etruscan, and Roman Sardinian—reflecting the deep historical mixing of Mediterranean, Celtic, and Germanic peoples in this region.

The two-way population fits repeatedly combine northwest European (Dutch, Shetlandic, Scottish, Irish, English, Welsh, Norwegian, Danish) with Sardinian, or Spanish Catalan with British Isles or Dutch types. This suggests your ancestry blends a northwestern European element (likely reflecting the Yamnaya and Germanic/Celtic ancient contributions) with a strong southern European/Mediterranean component (Sardinian-like, reflecting Neolithic and Italic/Etruscan/Roman roots).

Overall, your genetic signature is typical of people from southern-central France and nearby regions, shaped by ancient Mediterranean farmers, steppe migrations, and later historical mixtures between Celts, Romans, Germanic tribes, and local populations. The closest living populations are Occitan and central French, with notable Mediterranean and northwest European influences.