

FRANCISCO ANCESTRY REPORT

Yours Simulated G25 Explore Your DNA coordinates are :

Francisco_simulated_exploreyourdna_g25_scaled,0.104626,0.147992,0.039485,-0.005829,0.045464,-0.00381,-0.002283,0.00227,0.029155,0.032613,-0.004035,0.00768,-0.015817,-0.012356,0.009193,0.003097,0.001595,0.000385,0.000364,-7.8E-05,0.002809,-0.000139,-0.002283,-0.000647,-8E-06

NB : please remember yours reals coordinates are the ones that will provide the most accurate result. To order yours reals coordinates, please use the following link (it is now possible to pay with Paypal). : <https://g25requests.app/>

Your ancient break down is :

TUR_Barcin_N :	56.01 %
Yamnaya_RUS_Samara :	27.21 %
WHG :	12.27 %
MAR_Taforalt :	3.94 %
Dinka :	0.58 %

Your Neolithic Breakdown Interpretation (by OpenAI) :

Interpreting your Neolithic genetic breakdown involves understanding what each of these ancestral components represents and how they relate to the genetic history of people from Coimbra, Portugal, and the broader Iberian Peninsula. Here's a breakdown of each component and what it might mean in your context:



- 1. TUR_Barcin_N (56.01%) – Anatolian Neolithic Farmers** This component refers to early Neolithic farmers from the Barcin site in northwestern Anatolia (modern-day Turkey). These people were among the first to practice agriculture and are considered the primary source of the Neolithic expansion into Europe around 8,000–7,000 years ago. In your case, having 56% of this ancestry suggests that a significant portion of your genetic heritage comes from these early farming populations, who migrated into Europe and mixed with local hunter-gatherers. This is typical for people from Iberia and much of southern Europe, where Neolithic farmers had a strong genetic influence.
- 2. Yamnaya_RUS_Samara (27.21%) – Steppe Pastoralists** The Yamnaya culture originated in the Pontic-Caspian steppe (modern-day Russia and Ukraine) and is associated with the spread of Indo-European languages into Europe during the Bronze Age (~5,000 years ago). A 27% Yamnaya component indicates that your ancestors were significantly influenced by these steppe populations, likely through migrations and admixture events during the Bronze Age. This is also common in Iberian populations, although usually to a lesser extent than in northern or eastern Europeans.
- 3. WHG (Western Hunter-Gatherer) (12.27%)** WHG refers to the indigenous Mesolithic hunter-gatherers of Western Europe who lived before the arrival of Neolithic farmers. Having 12% WHG ancestry reflects the persistence of local pre-agricultural populations in the Iberian gene pool. These hunter-gatherers mixed with incoming Neolithic farmers, contributing to the genetic diversity of modern Europeans.
- 4. MAR_Taforalt (3.94%) – North African Ancestry** This ancestry comes from the Taforalt site in Morocco, associated with the Iberomaurusian culture (~15,000 years ago). It represents ancient North African hunter-gatherers. A nearly 4% component suggests some North African gene flow into your ancestry. This could have occurred via prehistoric movements across the Strait of Gibraltar, or later historical contact during the Islamic period (8th–15th centuries CE), when North Africa had strong cultural and genetic ties with the Iberian Peninsula.
- 5. Dinka (0.58%) – East African Ancestry** The Dinka are a Nilotic ethnic group from South Sudan. This component is very small (less than 1%) and may reflect either ancient traces of African ancestry that are difficult to distinguish precisely or could be statistical noise or minor admixture. While East African ancestry is not typical in Iberian populations, small percentages like this can sometimes appear due to shared deep ancestry or minor admixture events over millennia.

Summary for Coimbra, Portugal:

Your genetic breakdown is very consistent with what we would expect for someone from Coimbra or the broader Iberian Peninsula:

- The majority of your ancestry (56%) comes from early Neolithic Anatolian farmers, who brought agriculture to Europe. - A substantial portion (27%) reflects Bronze Age steppe ancestry, linked to Indo-European migrations. - You retain a notable amount of Western European hunter-gatherer ancestry (12%), showing continuity with pre-Neolithic populations. - You also have a small but meaningful North African component (4%), reflecting Iberia's historical and prehistoric

connections with North Africa. - The tiny Dinka component is likely residual or ancient African ancestry, possibly from shared ancestry among ancient populations.

This genetic profile reflects the rich and complex history of Iberia—a crossroads of prehistoric migrations, farming expansions, and later cultural exchanges across the Mediterranean.

All the reports below are based on Euclidian distance, please use the legend below to evaluate if your genetic distance is good. Remember that most ethnic reports are based on "genetic similarity" and not "direct ancestry".



Your modern break down is :

How to interpret ? This report is trying to break your ancestry using modern references, if you are mixed, you may see your different ancestries appearing on this report, else it may show something more ancient.

Fit :	0.0029033317826438086
Italian_Aosta_Valley :	21.79 %
Basque_Roncal :	17.23 %
Sardinian :	16.54 %
French_Paris :	10.03 %
English_Cornwall :	7.44 %
Basque_Biscay :	7.20 %
Spanish_Soria :	4.27 %
Saho_Eritrean :	3.76 %
Spanish_Catalunya_Central :	3.23 %
Berber_MAR_TIZ :	2.88 %
Tunisian_Rbaya :	2.06 %
French_South :	1.85 %
Spanish_Aragon :	1.73 %

Your modern Breakdown Interpretation (by OpenAI) :

Interpreting your modern ancestry breakdown as someone from Coimbra, Portugal, can be a fascinating journey into both genetics and history. Coimbra is a historic city in central Portugal with deep cultural and historical roots dating back to Roman times. Your DNA results reflect a mix of Mediterranean, Iberian, and even North African and East African ancestries, which is not unusual given the complex history of the Iberian Peninsula.



Let's break down your results region by region and interpret them in historical and geographical context:

Italian_Aosta_Valley (21.79%) This is a significant portion. The Aosta Valley is in northwestern Italy, near the French and Swiss borders. This component likely reflects general Southern European (Mediterranean) ancestry. It could also be picking up on ancient Roman influence in Iberia, as well as shared genetic signals between northern Italy and Iberia due to ancient and medieval migrations.

Basque (Roncal 17.23%, Biscay 7.20%) – Total ~24.43% This is a notable percentage. The Basques are an ancient people indigenous to northern Spain and southwestern France. Their genetic profile is distinct in Europe and often appears in Iberian DNA. Your high Basque component could reflect deep Iberian roots, possibly even pre-Roman ancestry, as Basques are considered among the oldest continuous populations in Europe.

Sardinian (16.54%) Sardinians are genetically unique and often used in genetic studies as a proxy for early Neolithic European farmers. This component could indicate deep Mediterranean ancestry, possibly dating back to the Neolithic or Bronze Age. It's common for Iberians to have some Sardinian-like DNA due to shared ancient ancestry.

French_Paris (10.03%) and French_South (1.85%) – Total ~11.88% This likely reflects general Western European ancestry. The French Paris component may be a proxy for broader Atlantic European or Celtic ancestry, while the southern French part could connect with Occitan or Gascon heritage, which historically overlaps with northern Iberia.

English_Cornwall (7.44%) Cornwall is in southwestern England and has Celtic roots. This component may reflect ancient Atlantic European ancestry shared between the British Isles and Iberia, especially during the Bronze Age. It could also be a signal of shared maritime ancestry along the Atlantic coast.

Spanish (Soria 4.27%, Catalunya Central 3.23%, Aragon 1.73%) – Total ~9.23% These regions are in northern and northeastern Spain. This is expected for someone from Portugal, as there is considerable genetic overlap across the Iberian Peninsula. These components support your Iberian identity and may also reflect historical migrations and intermixing within Spain and Portugal.

Saho_Eritrean (3.76%) This East African component is quite interesting. The Saho people are from Eritrea. While this may seem unusual, it could reflect ancient gene flow from Africa into Iberia, possibly during the Roman Empire, Moorish period, or even earlier through Mediterranean trade networks.

Berber_MAR_TIZ (2.88%) and Tunisian_Rbaya (2.06%) – Total ~4.94% These North African components are consistent with historical interactions between North Africa and Iberia. From the Phoenicians and Carthaginians to the Islamic rule of Al-Andalus (711–1492 AD), North Africans left both cultural and genetic legacies in Iberia. Many Portuguese and Spanish people have small but detectable North African ancestry.

Summary of Your Ancestry Breakdown:

- Iberian Core (Basque, Spanish): ~33.66% - Mediterranean (Italian, Sardinian): ~38.33% - Western European (French, English): ~19.32% - North African & East African: ~8.7%

Historical Context:

- Roman Empire: Introduced Italian and North African influences into Iberia. - Pre-Roman Iberians and Celts: Reflected in Basque and Atlantic European ancestry. - Islamic/Moorish Rule: Explains North African and possibly East African DNA. - Ancient Mediterranean Trade: Could explain Sardinian and broader Mediterranean signals. - Atlantic Bronze Age: Shared ancestry between the British Isles and Iberia.

Final Thoughts: Your DNA tells a story of a deeply rooted Iberian heritage with strong Mediterranean and Atlantic influences, shaped by thousands of years of migrations, conquests, and cultural exchange. As someone from Coimbra, your ancestry reflects the rich and complex tapestry of Portuguese history — from prehistory through the Roman and Islamic periods to the modern era.

If you're interested in diving deeper, consider looking at your haplogroups (mtDNA and Y-DNA if available), which can give clues about your ancient maternal and paternal lines.

Your ancient break down is :

How to interpret ? This report is trying to break your ancestry using ancient references.

Fit :	0.0006256375108460265
Sardinian*(AD*770-1000) :	18.17 %
Insular*Celt*(AD*100-1000) :	15.85 %
Roman*Britain*(AD*100-400) :	9.51 %
Iberian*(AD*300-1200) :	9.34 %
Roman*Iberia*(AD*260-500) :	9.34 %
Pict*(AD*300-500) :	6.34 %
Iberian*(700-50*BC) :	6.00 %
European*Jew*(AD*1160-1400) :	5.31 %
Italic*and*Etruscan*(900-200*BC) :	4.45 %
Roman*Sardinia*(AD*400-500) :	3.86 %
Sardinian*(1100-300*BC) :	3.32 %
Roman*Egypt :	2.30 %
Germanic*(AD*700-1000) :	1.75 %
Cushitic*(2000*BC-AD*600) :	1.58 %

Your Ancient Breakdown Interpretation (by OpenAI) :

Interpreting your ancient DNA breakdown involves understanding what each component represents in terms of historical populations, time periods, and how they relate to the region of Coimbra, Portugal. Here's a breakdown of your results and what they might mean:



General Context

Coimbra is located in central Portugal, an area with a rich and complex history influenced by many ancient peoples — from pre-Roman Iberians, Celts, Romans, and Germanic tribes to North African and Jewish communities. Your ancient DNA reflects this deep and diverse heritage.

Your Ancient DNA Breakdown Explained

1. Sardinian (AD 770–1000) – 18.17% - Sardinians are often used as a genetic proxy for early European farmers due to their relative isolation. This component suggests a strong link to Neolithic and early medieval Mediterranean populations, possibly reflecting continuity from early farming communities in Iberia or later Mediterranean gene flow.
2. Insular Celt (AD 100–1000) – 15.85% - This refers to Celtic groups from the British Isles. It might reflect shared ancestry with Atlantic Celtic populations, which also influenced northwestern Iberia. There was ancient maritime contact between the British Isles and Iberia.
3. Roman Britain (AD 100–400) – 9.51% - This could reflect shared Roman-era ancestry between Britain and Iberia. It may also indicate that some of your ancestors had roots in Romanized Britain or that similar Roman military or settler populations moved between provinces.
4. Iberian (AD 300–1200) – 9.34% - This reflects continuity with local populations in Iberia after the fall of the Roman

Empire, during the Visigothic and early Islamic periods.

5. Roman Iberia (AD 260–500) – 9.34% - Indicates ancestry from the Romanized population of the Iberian Peninsula. Romans brought settlers, soldiers, and administrators from across the empire, contributing to genetic diversity.

6. Pict (AD 300–500) – 6.34% - The Picts were a group from northern Britain. This could represent genetic similarities with northern Celtic populations or shared ancient ancestry predating these cultural labels.

7. Iberian (700–50 BC) – 6.00% - This connects you to pre-Roman Iberians, indigenous peoples of the peninsula before Roman conquest. It shows deep local roots.

8. European Jew (AD 1160–1400) – 5.31% - Reflects ancestry from medieval Sephardic Jewish communities, which were established in Iberia for centuries before the expulsions in the late 15th century.

9. Italic and Etruscan (900–200 BC) – 4.45% - Ancestry from pre-Roman Italic peoples, possibly linked to early Roman settlers or military personnel in Iberia.

10. Roman Sardinia (AD 400–500) – 3.86% - Suggests genetic input from Sardinia during the Roman period, possibly via trade or military networks.

11. Sardinian (1100–300 BC) – 3.32% - An earlier layer of Sardinian ancestry, again pointing to ancient Mediterranean farming populations.

12. Roman Egypt – 2.30% - Reflects ancestry from the eastern Mediterranean during the Roman period, possibly from soldiers, traders, or administrators who moved westward.

13. Germanic (AD 700–1000) – 1.75% - Likely reflects Visigothic or Suebi ancestry. These tribes settled in Iberia after the fall of Rome.

14. Cushitic (2000 BC–AD 600) – 1.58% - This is ancestry from the Horn of Africa or northeastern Africa. It may reflect ancient North African or Egyptian gene flow into Iberia, especially during Roman or Islamic periods.

Summary: What This Means for You

Your ancient DNA shows that you are deeply rooted in the Iberian Peninsula, particularly with strong ties to both pre-Roman and Romanized Iberian populations. You also have genetic links to:

- Mediterranean populations (Sardinian, Italic, Roman Egypt) - Atlantic Celtic peoples (Insular Celt, Pict) - Roman-era settlers from across the empire - Jewish communities of medieval Iberia - Minor but notable North African and Germanic influences

This paints a picture of a person whose ancestry reflects the complex history of Portugal — a crossroads of ancient civilizations, migrations, and empires.

If you'd like, I can help you visualize this in a historical timeline or map.

Your 50 closest modern populations are :

How to interpret ? if you obtain a good distance with your first population (e.g bright green), you could very likely be from that ethnicity or a close ethnicity, else you are most probably mixed or your ethnicity is not referenced on David'ski datasheet.

Portuguese	0.0132611095312572
Spanish_Andalusia_(Andalusian)	0.0137616858646457

Spanish_Murcia	0.0143852876578816
Spanish_Murcia_(Murcian)	0.0145035037706411
Spanish_Andalucia	0.0148777001582906
Spanish_Galicia_(Galician)	0.0149887923206044
Spanish_Galicia	0.0151911037781986
Spanish_Castile_and_Leon_(Castilian)	0.015492115447861
Spanish_Valencia_Alicante_(Valencian)	0.0156335384169955
Spanish_Alacant	0.0161815887971484
Spanish_Castilla_La_Mancha	0.0163385388575601
Spanish_Extremadura_(Extremaduran)	0.0163742822240021
Spanish_Extremadura	0.0165154485860966
Spanish_Cantabria_(Cantabrian)	0.016985347805285
Spanish_Asturias_(Asturian)	0.0171480389039097
Spanish_Cantabria	0.0171567700922988
Spanish_Castilla-La_Mancha_(Castilian)	0.0173981084820058
Spanish_Valencia_(Valencian)	0.0183049140150784
Spanish_Castilla_Y_Leon	0.0186502619016463
Spanish_Cataluna	0.0186929823998205
Spanish_Baleares_Ibiza_(Catalan)	0.0190899143742765
Spanish_Eivissa	0.0190899985070717
Spanish_Baleares	0.0191279812055533
Spanish_Valencia	0.0191504508040934
Spanish_Valencia_Castellon_(Valencian)	0.0200253854543145
Spanish_Catalonia_(Catalan)	0.020188870236779
Spanish_Baleares_(Catalan)	0.0205167736508448
Spanish_Aragon	0.0206446388924582
Spanish_Baleares_Menorca_(Catalan)	0.021049164233547
Spanish_Menorca	0.0210496766721012
Spanish_Peri-Barcelona	0.0213829617920437
Spanish_Catalonia_Peri-Barcelona_(Catalan)	0.0213830899394826
Spanish_Baleares_Mallorca_(Catalan)	0.0215265498671531
Spanish_Mallorca	0.0215268043610751
Spanish_Catalonia_Camp_de_Tarragona_(Catalan)	0.0222378236218869

Spanish_Camp_de_Tarragona	0.022237848007395
Spanish_Aragon_(Aragonese)	0.0223267481008767
Spanish_Catalonia_Lleida_(Catalan)	0.0224641958831898
Spanish_Lleida	0.02246449552071
Spanish_Catalonia_Pirineu_(Catalan)	0.0225652488940641
Spanish_Pirineu	0.0225656423573538
Spanish_La_Rioja_(Riojan)	0.0226573572963757
Spanish_La_Rioja	0.0226575793278982
Spanish_Catalonia_Girona_(Catalan)	0.0229660379085751
Spanish_Girona	0.0233366328976569
Spanish_Navarre_(Navarrese)	0.0237062597482184
Spanish_Castile_and_Leon_Leon_(Castilian)	0.0238523874758478
Spanish_Terres_de_l'Ebre	0.0238637273073592
Spanish_Catalonia_Terres_de_l'Ebre_(Catalan)	0.0238640453309995
Spanish_Catalonia_Central_(Catalan)	0.0248012658059262

Closests modern populations (by OpenAI) :

Your breakdown appears to be a list of genetic similarity scores or distances to various regional populations in the Iberian Peninsula, particularly from Spain and Portugal. Since you're from Coimbra, Portugal, and the list starts with "Portuguese" at the top, followed by various Spanish regional populations, this likely comes from a DNA admixture or genetic similarity analysis, such as those provided by GEDmatch, MyHeritage, or other genetic genealogy tools.



Let's break down what it means and how to interpret it, especially in the context of Neolithic ancestry:

1. What Are These Numbers?

Each line shows a population label (e.g., "Spanish_Galicia") and a numerical value (e.g., 0.0149). These numbers represent genetic distances or similarity scores — lower values mean you are genetically closer to that population.

For example: - Portuguese (0.01326) → Closest match. - Spanish_Andalusia (0.01376) → Very close. - Spanish_Murcia (0.01438) → Still very close. - Spanish_Catalonia_Central (0.02480) → Less close, but still within a relatively small range.

2. What Does This Say About Your Ancestry?

Because you are from Coimbra, which is in central Portugal, it makes sense that your closest genetic match is "Portuguese." The rest of the matches are to Spanish regions, especially those geographically and historically close to Portugal, such as:

- Galicia (northwest Spain, shares cultural and historical ties with northern Portugal) - Extremadura (western Spain,

borders central Portugal) - Castile and León (central-north Spain) - Andalusia (southern Spain, historically connected to Portugal during the Reconquista)

Your genetic profile is most similar to populations in western and southern Spain — regions closest to Portugal — and becomes slightly less similar as you move toward eastern and northeastern Spain (Catalonia, Aragon, etc.).

3. Neolithic Breakdown — What Does That Mean?

If you're asking how this relates to your **Neolithic ancestry**, it helps to understand that:

- The Neolithic period (roughly 6000–2000 BCE in Iberia) was when farming spread into the Iberian Peninsula from the Near East via Anatolia and the Mediterranean. - Neolithic Iberians were a mix of local Mesolithic hunter-gatherers and incoming Neolithic farmers. - Later migrations (e.g., Indo-European steppe people during the Bronze Age, Romans, Moors) layered on top of this older ancestry.

Your genetic similarity to modern Iberian populations suggests that your ancestry is deeply rooted in the Iberian Peninsula, likely with a strong continuity from Neolithic and Bronze Age populations.

4. How to Interpret This in a Neolithic Context

While this list shows **modern population matches**, we can infer some things about your **deep ancestry**:

- Your genetic profile is most similar to populations that have a strong component of ancient Iberian Neolithic ancestry. - You likely carry a mix of: - Early European Farmer (EEF) ancestry — from Neolithic agriculturalists. - Western Hunter-Gatherer (WHG) ancestry — native to Iberia before the Neolithic. - Some Steppe ancestry — arriving later during the Bronze Age.

If your DNA testing provider offers ancient ancestry breakdowns (e.g., MyHeritage's "Genetic Groups" or 23andMe's "Ancestry Timeline"), you might see components labeled as: - Neolithic Farmer - Western Hunter-Gatherer - Steppe Pastoralist - North African (due to Moorish influence in Iberia)

5. Summary for Someone from Coimbra

- Your closest genetic match is with modern Portuguese and nearby Spanish populations. - This reflects a shared Iberian genetic heritage that has been stable over thousands of years. - Your Neolithic ancestry likely includes a mix of early farmers, local hunter-gatherers, and later influences. - The small differences in values between regions reflect geographic and historical proximity — not huge differences in ancestry.

Want to Go Deeper?

If you're interested in your actual **Neolithic DNA proportions**, you'd need access to an ancient DNA calculator or raw DNA analysis tool (e.g., GedMatch, MyTrueAncestry, or DNA.Land). These tools compare your DNA to ancient samples (e.g., Anatolian Farmers, Iberian Neolithic, Bell Beaker, etc.).

Let me know if you want help interpreting one of those results too!

Your 50 closests modern 2-Ways are :

The 2Ways compares your coordinates to the ones of all referenced populations within the modern datasheet of Davidski. It measures how closely your admixture percentages are aligned with each population. It's important to understand that 2Ways aren't measuring shared DNA between your kit and referenced samples.

If you are from one ethnicity you should only concentrate on yours closests populations, else if you are mixed (e.g parents from differents ethnicities), yours closests 2Ways should be close to "50% Parent 1 Ethnicity - 50% Parent 2 Ethnicity". if you are more mixed (for example from latina America), your 2Ways is not going to be accurate.

92% Spanish_Castello + 8% Algerian	0.00854757947522827
92% Spanish_Castello + 8% Tunisian	0.00866423022946002
93% Spanish_Castello + 7% Berber_MAR_ERR	0.0087806330143237
92% Spanish_Castello + 8% Tunisian_Berber_Matmata	0.0087828447471732
93% Spanish_Castello + 7% Saharawi	0.00881047312078754
95% Spanish_Castello + 5% Eritrean	0.0088154614348274
92% Spanish_Castello + 8% Mozabite	0.0088804150242017
93% Spanish_Castello + 7% Moroccan	0.00888496023466433
95% Spanish_Castello + 5% Ethiopian_Agaw	0.00891751517538559
95% Spanish_Castello + 5% Ethiopian_Tigray	0.00892299669637307
95% Spanish_Castello + 5% Ethiopian_Amhara	0.00892527431006309
65% Spanish_Castello + 35% Spanish_Canarias	0.00894008965261502
91% Spanish_Castello + 9% Berber_Tunisia_Sen	0.00894475663697841
95% Spanish_Castello + 5% Ethiopian_Afar	0.00903497661167268
96% Spanish_Castello + 4% Ethiopian_Jew	0.00910235210421818
91% Spanish_Castello + 9% Tunisian_Berber_Zraoua	0.00910478201233013
93% Spanish_Castello + 7% Berber_MAR_TIZ	0.00913466823543307
92% Spanish_Castello + 8% Libyan	0.00915890254682811
93% Spanish_Castello + 7% Tunisian_Douz	0.00917393487904728
91% Spanish_Castello + 9% Moroccan_North	0.00927628197122273
91% Spanish_Castello + 9% Tunisian_Berber_Tamezret	0.00929561564523792
95% Spanish_La_Rioja + 5% Eritrean	0.00940986010774736
95% Spanish_La_Rioja + 5% Ethiopian_Tigray	0.00941435266272676
96% Spanish_Castello + 4% Somali	0.00943266348273116
95% Spanish_La_Rioja + 5% Ethiopian_Afar	0.00947535343541605

96% Spanish_Castello + 4% Ethiopian_Oromo	0.00950799736949708
96% Spanish_Castello + 4% Somali_Kenya	0.00952519321298769
92% Spanish_Castello + 8% Berber_Tunisia_Chen	0.00954451365461701
95% Spanish_La_Rioja + 5% Ethiopian_Agaw	0.00956629248334329
95% Spanish_Castello + 5% Moroccan_South	0.0095671791179949
95% Spanish_La_Rioja + 5% Ethiopian_Amhara	0.00959038267768933
95% Spanish_La_Rioja + 5% Ethiopian_Jew	0.00972419459501463
96% Spanish_Castello + 4% Rendille	0.00988285559309329
96% Spanish_Castello + 4% Ethiopian_Wolayta	0.0099297651098197
95% Spanish_La_Rioja + 5% Ethiopian_Oromo	0.0100487203282456
97% Spanish_Castello + 3% Iraqw	0.0100953185498058
94% Spanish_Cantabria + 6% Tunisian_Douz	0.0102806803701849
96% Spanish_Cantabria + 4% Eritrean	0.0103056147462647
96% Spanish_La_Rioja + 4% Somali	0.0103138333242239
96% Spanish_Cantabria + 4% Ethiopian_Tigray	0.010319534273623
94% Spanish_Cantabria + 6% Libyan	0.0103394932778672
97% Spanish_Castello + 3% Datog	0.0104100092401806
96% Spanish_La_Rioja + 4% Somali_Kenya	0.0104363420969265
97% Spanish_Cantabria + 3% Ethiopian_Amhara	0.0104412311990595
96% Spanish_Cantabria + 4% Ethiopian_Afar	0.0104696055544382
97% Spanish_Cantabria + 3% Ethiopian_Agaw	0.0104927780753759
93% Spanish_Cantabria + 7% Egyptian	0.0105213015986705
97% Spanish_Cantabria + 3% Ethiopian_Jew	0.0105293054275385
94% Spanish_Cantabria + 6% Tunisian_Rbaya	0.0105720154567501
96% Spanish_La_Rioja + 4% Rendille	0.0106220703674595
96% Spanish_La_Rioja + 4% Ethiopian_Wolayta	0.0106462205981884

Your Closests 2Ways interpretation (by OpenAI) :

You're looking at the results of a genetic admixture analysis, likely from a tool like G25 or a similar DNA modeling platform. These results aim to estimate your genetic ancestry by comparing your DNA to reference populations.



Let's break down what you're seeing and how to interpret it — especially the “Closest 2-Ways” section.

What is "Closest 2-Ways"?

This section shows the top combinations of two reference populations that, when mixed in the given percentages, best

approximate your genetic profile. These combinations are ranked by how closely they match your DNA, with the smallest distance (the number in parentheses) indicating the best fit.

Example:

- 92% Spanish_Castello + 8% Algerian (0.00854)

This means that, according to the model, your DNA is best approximated by a mix of 92% Spanish_Castello and 8% Algerian, with a genetic distance of 0.00854. The smaller the number in parentheses, the better the match.

What do the populations mean?

- Spanish_Castello: A reference population from Castelló, a province in the Valencian Community, eastern Spain. - Algerian, Tunisian, Berber, Ethiopian, etc.: These represent populations from North Africa and the Horn of Africa.

You mentioned you're from Coimbra, Portugal.

The results suggest that your genetic profile is very similar to Spanish populations, especially from eastern Spain (Castelló, La Rioja, Cantabria), with a minor admixture from North African or Horn of Africa populations. This is historically and geographically plausible:

- The Iberian Peninsula (Portugal and Spain) has a long history of interaction with North Africa, including trade, migration, and the Moorish occupation (711–1492 AD). - The small North African component (usually around 5–9%) is consistent with what is often found in Iberian populations, especially in southern and western regions like Andalusia, Extremadura, and parts of Portugal.

Summary:

- Your genetic profile is predominantly Iberian (especially eastern Spanish-like), with a minor North African or East African influence. - The “Closest 2-Ways” results show different combinations that fit your DNA, but all point to a strong Iberian base with slight North African admixture. - This is consistent with known historical and genetic patterns in people from Portugal, especially in regions like Coimbra.

If you have access to your raw G25 coordinates or want a more detailed breakdown (like plotting on a PCA map), feel free to share and I can help further!

Your ancient map :

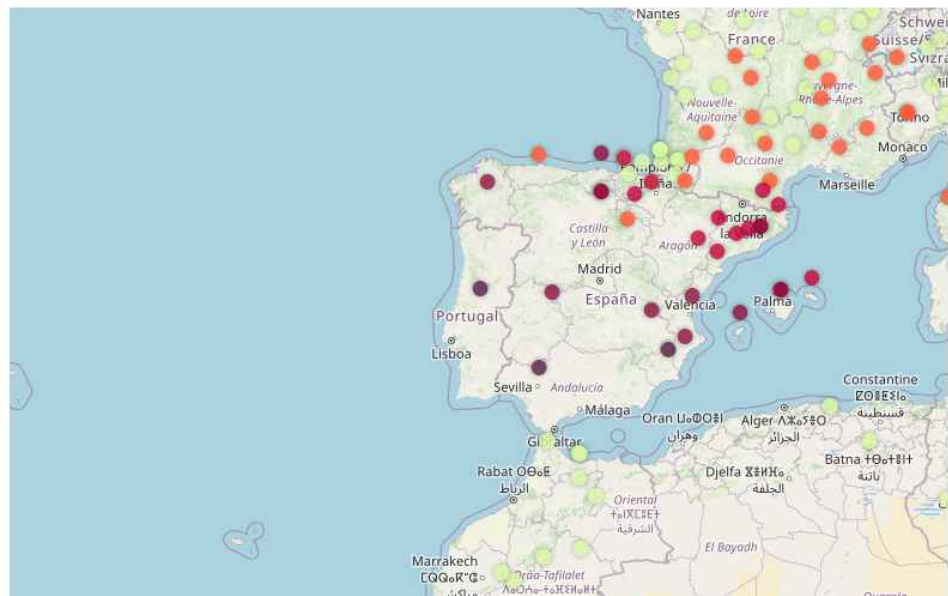
How to interpret ? This map is trying to break your ancient ancestry and display on a map.



Your modern similitud map :

How to interpret ? This similitud Map is based on the modern Davidski G25 sheet + the French averages of the Explore Your DNA Project !. It's only going to be accurate for people that belong to ONE ethnicity, else it's going to show midpoints, which are the populations closest to your genetic composition. This map is a snapshot of you similitud with pre colonial period populations, means for example that people from Latin America are going to show ancestry in both Americas & Europe, same for North Americans, Australians & South Africans...Nomadic tribes and diasporas (Ashkenazis, Romas...) are not going to appear on the map so it's also going to show their ancient ancestry (e.g Ashkenazis are going to appear in both the Levant and Europe).

GREAT	GOOD	AVERAGE	DISTANT	VERY DISTANT
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Based on your genetic breakdown and the various ancestral components you've shared, here is a comprehensive conclusion about your genetic heritage as someone from Coimbra, Portugal:



Genetic Heritage Summary:

- 1. **Neolithic Ancestry:**** - Your genetic roots trace back significantly to early European Neolithic farmers, particularly from the Anatolian region (TUR_Barcin_N: 56.01%). This reflects the migration of early agriculturalists into the Iberian Peninsula. - A substantial portion (27.21%) comes from the Yamnaya culture of the Pontic-Caspian steppe, associated with Indo-European migrations into Europe during the Bronze Age. - Western Hunter-Gatherer (WHG) ancestry (12.27%) indicates deep European Mesolithic roots. - North African (MAR_Taforalt: 3.94%) and minor East African (Dinka: 0.58%) components suggest ancient gene flow across the Mediterranean and into Iberia.
- 2. **Modern Population Affinities:**** - Your closest modern genetic matches are overwhelmingly Iberian, especially Portuguese and various Spanish regions (e.g., Andalusia, Galicia, Murcia, Castile, and Valencia). - The top match is "Portuguese," with extremely low genetic distance, confirming your strong native Iberian identity. - You also show minor affinities with populations from Italy (Aosta Valley, Sardinia), France (Paris, South), and even the British Isles (Cornwall), reflecting broader European connections.
- 3. **Ancient DNA Affinities:**** - Your ancient ancestry aligns closely with populations from historical periods in Iberia and the western Mediterranean: - Sardinian (AD 770–1000): 18.17% - Insular Celts and Roman Britain (combined ~25%): Suggests links with ancient Celtic and Roman populations. - Iberian and Roman Iberian samples (combined ~19%): Strong continuity with ancient Iberian populations. - Minor contributions from North African (Roman Egypt, Cushitic) and Jewish (Medieval European Jewish) sources suggest historical admixture events, possibly during the Roman Empire or Medieval periods.
- 4. **Admixture Signals:**** - Your closest two-way admixture models are combinations of Spanish_Castello (~92–97%) with small North African or East African components (3–8%), such as Tunisian, Algerian, Berber, Eritrean, or Ethiopian groups. - These results reflect historical gene flow from North Africa into the Iberian Peninsula, especially during the Islamic period (711–1492 AD), when North African Berber and Arab populations settled in southern Iberia.

Conclusion:

Your genetic profile is quintessentially Iberian, with a strong Portuguese-Spanish core rooted in ancient Neolithic, Celtic, Roman, and Iberian populations. You also carry subtle but consistent traces of North African and East African ancestry, reflecting historical Mediterranean interactions, particularly during the Islamic and Roman periods.

In essence, your ancestry tells a story of deep local continuity in the Iberian Peninsula, enriched by layers of migration and cultural exchange that have shaped the genetic landscape of southern Europe over thousands of years. As someone from Coimbra, you are part of a rich genetic and historical tapestry that bridges Europe and Africa.