

ALBERTO ANCESTRY REPORT

Yours Simulated G25 Explore Your DNA coordinates are :

Albert_scaled,0.104717,0.144205,-0.010182,-0.048127,0.008001,-0.021196,-0.000705,-0.005307,0.003068,0.019135,0.003573,0.005545,-0.004757,-0.013487,-0.002443,0.020684,0.01369,-0.003421,-0.007416,-0.001376,-0.009483,-0.007666,-0.005546,0.008555,0.000359

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 :	45.75 %
Yamnaya_RUS_Samara :	24.22 %
Levant_PPNB :	16.10 %
IRN_Ganj_Dareh_N :	11.05 %
MAR_Taforalt :	1.52 %
Kura-Araxes_ARM_Kaps :	1.36 %

Your Neolithic Breakdown Interpretation (by OpenAI) :

Your Neolithic genetic breakdown reflects ancient ancestral components that contribute to your genetic heritage, particularly from the Neolithic and early Bronze Age periods. Let's interpret each component in the context of your Sicilian background:



- 1. TUR_Barcin_N (45.75%) – Anatolian Neolithic Farmers** This is the largest component in your breakdown. It represents early Neolithic farmers from the Barcin region in northwestern Anatolia (modern-day Turkey). These people were among the first to practice agriculture and migrated into Europe around 7000–6000 BCE. In Sicily: This reflects the major wave of Neolithic migration into southern Europe, including Sicily, bringing farming, pottery, and settled life. It's a core ancestry for most Europeans, especially in southern regions.
- 2. Yamnaya_RUS_Samara (24.22%) – Steppe Pastoralists** This ancestry comes from the Pontic-Caspian Steppe (modern-day Russia/Ukraine) and is associated with the Yamnaya culture (~3300–2600 BCE). They were pastoralists who migrated westward during the Bronze Age. In Sicily: This component arrived in southern Europe during the Bronze Age, likely via Indo-European migrations. In Sicily, it may have come through movements from mainland Italy or the Balkans. It's a significant contributor to the genetic makeup of modern Europeans.
- 3. Levant_PPNB (16.10%) – Pre-Pottery Neolithic B (Levant)** This ancestry comes from early farmers in the Levant (modern-day Israel, Jordan, Syria) around 8500–6000 BCE. These populations were among the first to domesticate plants and animals. In Sicily: This reflects deep Near Eastern ancestry, possibly arriving with early Neolithic migrations or later Mediterranean interactions (e.g., Phoenicians, trade with the Levant).
- 4. IRN_Ganj_Dareh_N (11.05%) – Iranian Neolithic Farmers** This ancestry is from the Zagros Mountains region of Iran (~8000 BCE). These early farmers are genetically distinct from Anatolian and Levantine farmers. In Sicily: This component likely arrived indirectly, perhaps via Anatolia or the Caucasus. It may also reflect later Bronze Age or eastern Mediterranean gene flow.
- 5. MAR_Taforalt (1.52%) – North African Iberomaurusian** This ancestry comes from the Taforalt cave in Morocco (~15,000–13,000 BCE). It represents ancient North African hunter-gatherer ancestry. In Sicily: This small percentage may reflect ancient trans-Mediterranean contact, possibly from North African populations like the Carthaginians or earlier prehistoric movements.
- 6. Kura-Araxes_ARM_Kaps (1.36%) – Caucasus Bronze Age** This ancestry is from the Kura-Araxes culture (~3400–2000 BCE) in the South Caucasus region (modern-day Armenia, Georgia, Azerbaijan). In Sicily: This minor component may reflect eastern gene flow from the Caucasus region, possibly via trade routes or migrations during the Bronze Age.

Summary for a Sicilian: Your genetic breakdown shows a strong foundation from early Anatolian farmers, with significant Steppe and Near Eastern influences. This fits with the known history of Sicily as a crossroads of Mediterranean civilizations. The presence of Levantine, Iranian, and Caucasus ancestry reflects broad interactions across the ancient Near East and Mediterranean, while the small North African component hints at trans-Mediterranean contact.

Historical Context: - Neolithic (~7000–4000 BCE): Farming spreads from Anatolia into Sicily. - Bronze Age (~3000–1000 BCE): Steppe ancestry arrives via Indo-European migrations. - Iron Age and beyond: Sicily becomes a hub for Phoenicians, Greeks, Romans, and others—each contributing to its complex genetic tapestry.

Let me know if you'd like a visual breakdown or timeline!

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 :	0.021749272798156548
Greek_Cyclades_Amorgos :	34.29 %
Palestinian_Beit_Sahour :	32.36 %
Spanish_Soria :	27.05 %
Georgian_Meskheti :	4.81 %

Your modern Breakdown Interpretation (by OpenAI) :

Your modern breakdown includes percentages from four population groups or regional samples, and interpreting them can help you understand the ancestral and historical influences on your genetic heritage. Here's a breakdown of what each component might signify, especially in the context of being from Sicily:



1. **GR Greek_Cyclades_Amorgos (34.29%)** This refers to genetic similarity with people from the Cyclades islands in Greece, specifically Amorgos. This is not surprising for someone from Sicily, as the island was heavily colonized by Ancient Greeks during the 8th–6th centuries BCE. The Greek influence in Sicily was profound, especially in the eastern part of the island, where cities like Syracuse and Agrigento were major centers of Magna Graecia (Greater Greece). This component likely reflects that deep historical connection.

2. **ps Palestinian_Beit_Sahour (32.36%)** This component reflects genetic affinity with populations from the Levant, specifically Beit Sahour near Bethlehem. This could represent ancient Eastern Mediterranean ancestry, likely tied to the Phoenicians (who originated in the Levant and established colonies across the Mediterranean, including Carthage and parts of Sicily), as well as broader Near Eastern influences that have shaped Mediterranean populations over millennia. It may also reflect the general shared genetic heritage among Mediterranean peoples due to trade, migration, and empire-building (e.g., Roman, Byzantine, Arab).

3. **es Spanish_Soria (27.05%)** This result suggests a genetic similarity with people from Soria, a province in central Spain. This could reflect shared Mediterranean ancestry between Iberia and Sicily, possibly due to multiple historical episodes: - Roman Empire: Both Sicily and Spain were integral parts of the Roman world. - Arab rule: Both regions experienced Islamic rule during the Middle Ages (Al-Andalus in Spain, and the Emirate of Sicily from 831–1091). - Spanish rule: Sicily was under Spanish (Aragonese and later Habsburg) control for centuries, from the late Middle Ages until the 18th century. This component might reflect that more recent historical connection.

4. **GE Georgian_Meskheti (4.81%)** This is a more distant and smaller component, reflecting some affinity with populations from Meskheti in southern Georgia, near the Caucasus. While this may seem surprising, it could reflect ancient gene flow from the broader Near East or Caucasus region into the Mediterranean, possibly via trade routes, migrations, or even as part of the genetic legacy of the Byzantine Empire or earlier movements of people during the Bronze and Iron Ages.

Summary: Your breakdown suggests a strong Mediterranean heritage, with deep roots in Greek and Levantine (Near Eastern) populations, a significant Iberian (Spanish) influence likely tied to both ancient and more recent historical periods, and a minor trace of Caucasus-related ancestry. This is consistent with Sicily's role as a crossroads of civilizations for over 3,000 years.

If you have more detailed information (e.g., which company provided this breakdown, or whether it's based on ancient DNA modeling), that could help refine the interpretation further.

Your ancient break down is :

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

Fit :	0.015601439347135667
Balkans*(AD*500-1000) :	34.74 %
Levantine*(AD*300-1300) :	21.52 %
European*Jew*(AD*1160-1400) :	10.49 %
Roman*Sardinia*(AD*400-500) :	5.34 %
Sardinian*(AD*770-1000) :	4.52 %
Byzantine*Anatolia*(AD*500-1100) :	4.26 %
Sarmatian*(AD*50-450) :	3.62 %
North*African*(AD*580-1160) :	2.20 %
Roman*North*Africa*(AD*120-220) :	2.20 %
Armenian*(AD*1030-1300) :	2.19 %
Armenia*(BC*100-AD*300) :	2.19 %
Roman*Levant*(BC*50-AD*700) :	1.73 %
Khwarazm*and*Transoxiana*(100*BC-AD*950) :	1.38 %
Insular*Celt*(AD*100-1000) :	1.26 %
Roman*Britain*(AD*100-400) :	1.26 %
Italian*(AD*650-1450) :	1.13 %

Your Ancient Breakdown Interpretation (by OpenAI) :

Interpreting your ancient DNA breakdown as someone from Sicily involves understanding the historical and genetic influences that have shaped the island over millennia. Sicily has long been a crossroads of civilizations due to its central location in the Mediterranean. Your results reflect this rich and complex history. Here's a breakdown of what each component might mean in context:



1. Balkans (AD 500–1000) – 34.74% This is your largest component. During the early medieval period, the Balkans were home to various groups including Slavs, Greeks, and remnants of Romanized populations. This suggests strong genetic ties to southeastern Europe, possibly reflecting Byzantine rule in Sicily, as well as earlier Greek colonization (Magna Graecia). The Byzantine Empire controlled Sicily from the 6th to the 9th centuries.
2. Levantine (AD 300–1300) – 21.52% This indicates ancestry from the Eastern Mediterranean—modern-day Lebanon, Syria, Israel, and Palestine. This may reflect ancient Phoenician (Carthaginian) colonization, Jewish diaspora movements, or Arab-Islamic influence during the Emirate of Sicily (827–1091).
3. European Jew (AD 1160–1400) – 10.49% This could reflect the historical presence of Jewish communities in Sicily. Jews lived on the island for centuries, especially during Norman and Aragonese rule, before their expulsion in 1492. This component may also overlap with Levantine ancestry.
4. Roman Sardinia (AD 400–500) – 5.34% & Sardinian (AD 770–1000) – 4.52% Sardinia is genetically distinct due to its relative isolation. These components may reflect shared ancient Mediterranean ancestry or Roman-era migrations and administrative links between Sicily and Sardinia.

5. Byzantine Anatolia (AD 500–1100) – 4.26% This reflects ancestry from Asia Minor (modern Turkey) during Byzantine times. The Byzantine Empire ruled Sicily for centuries, and soldiers, administrators, and settlers from Anatolia may have contributed to the gene pool.

6. Sarmatian (AD 50–450) – 3.62% The Sarmatians were an Iranian-speaking nomadic people from the Eurasian steppe. This small component may reflect ancient movements of peoples through the Roman Empire or genetic blending via the Balkans.

7. North African (AD 580–1160) – 2.20% & Roman North Africa (AD 120–220) – 2.20% These components reflect both ancient Roman-era and later Arab-Berber influences. Sicily was part of the Roman Empire and later under Islamic rule during the Emirate period. North African Berbers and Arabs settled on the island and left a genetic imprint.

8. Armenian (AD 1030–1300) – 2.19% & Armenia (100 BC – AD 300) – 2.19% This suggests minor ancestry from the Caucasus region. It could reflect ancient trade, military, or religious links, or broader Eastern Mediterranean genetic mixing.

9. Roman Levant (50 BC – AD 700) – 1.73% This overlaps with Levantine ancestry but is more specific to the Roman period. It reflects the multicultural nature of the Roman Empire and possible movement of people from the Levant to Sicily.

10. Khwarazm and Transoxiana (100 BC – AD 950) – 1.38% This Central Asian component is unusual but not impossible. It may reflect long-distance trade routes (like the Silk Road), or indirect gene flow through Persian, Arab, or Byzantine intermediaries.

11. Insular Celt (AD 100–1000) – 1.26% & Roman Britain (AD 100–400) – 1.26% These suggest a small amount of ancestry from the British Isles. This could be due to Roman military movement (e.g., soldiers from Britain stationed elsewhere), or later medieval European migrations.

12. Italian (AD 650–1450) – 1.13% This seems surprisingly low, but it may be due to how the analysis distinguishes between broader Mediterranean and local Italian components. Much of your ancestry is likely “Italian” in a broader sense, but it’s being categorized into more specific historical groups.

Summary: Your ancient DNA breakdown reflects Sicily’s role as a melting pot of Mediterranean and Eurasian civilizations. The dominant Balkan and Levantine components point to Greek, Byzantine, and Arab influences, while the Jewish, North African, and Anatolian elements highlight the island’s diverse population history. Smaller traces from Central Asia, Britain, and the Caucasus show the far-reaching connections of ancient and medieval Sicily.

This genetic mosaic is typical for Sicilians and underscores the island’s rich and complex heritage.

Your 50 closests 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 Davidski datasheet.

Ashkenazi_Jew_Germany	0.0319239490768295
Ashkenazi_Germany	0.0319241208492889
Italian_Calabria_Reggio_Calabria_(Calabrese)	0.032612400085749
Ashkenazi_Jew_France	0.0327488223237974
Ashkenazi_France	0.0327493790933508

Greek_Cyclades_Amorgos	0.0333072066976503
Italian_Campania_(Campanian)	0.0335176539829181
Italian_Calabria_(Calabrese)	0.0346096501923596
Italian_Campania	0.0349911135718771
Italian_Calabria	0.0351288034524377
Ashkenazi_Belarussia	0.0356453787888416
Ashkenazi_Jew_Belarus	0.0357815285410052
Greek_Kos	0.0362589104221293
Greek_Dodecanese_Kos	0.0362595614259872
Ashkenazi_Jew_Lithuania	0.0364424201350403
Ashkenazi_Lithuania	0.0364424555017908
Greek_Apulia	0.0365298327398306
Greek_Italy_Apulia	0.0365303013977438
Italian_Basilicata_(Lucanian)	0.0370046653291176
Italian_Basilicata	0.037010749789757
Ashkenazi_Romania	0.0373291032038007
Ashkenazi_Jew_Romania	0.0373292926299173
Maltese	0.0373347894596983
Italian_Campania_Naples_(Campanian)	0.0376650451243202
Italian_Jew	0.0384364684902242
Ashkenazi_Russia	0.0386697161354981
Ashkenazi_Jew_Russia	0.0386698034556681
Italian_Apulia_(Apulian)	0.0388666231777689
Ashkenazi_Jew	0.0392816397996339
Greek_Crete	0.0392881572868975
Ashkenazi_Poland	0.0392972285918486
Greek_Crete_Lasithi	0.039632847538374
Italian_Abruzzo_(Abruzzese)	0.0399623672318174
Ashkenazi_Jew_Poland	0.0400376332355155
Italki_(Italian_Jew)	0.0401300488936148
Ashkenazi_Jew_Austria	0.0401342191620816
Ashkenazi_Austria	0.0401343186437742
Turkish_Crete	0.0402027157291644

Greek_Crete_Muslim_(Cretan_Turk)	0.040203212609442
Turkish_Jew	0.0402532316466641
Greek_Deep_Mani	0.0404950077663902
Italian_Calabria_(Cosentian)	0.0405847718316873
Italian_Apulia	0.0406444414403741
Ashkenazi_Jew_Ukraine	0.0408732880954598
Greek_Western_Anatolia_Smyrna	0.0409530047427073
Greek_Izmir	0.0412266992979064
Ashkenazi_Ukraine	0.0413961396267816
Greek_Dodecanese	0.0415243866420685
Sephardic_Jew_Turkey	0.0415408729309342
Greek_Cyclades_Milos	0.0421547516182933

Closests modern populations (by OpenAI) :

Interpreting your Neolithic breakdown, particularly with reference to the data you've provided, involves understanding the genetic affinities between your DNA and various reference populations. Since you're from Sicily, a region with a very rich and complex history of migrations and cultural exchanges, your genetic profile reflects this deep and diverse ancestry.



Let's break it down:

What This Data Represents: The list you've provided appears to be a ranked list of reference populations or samples, each with a corresponding value (likely a genetic distance or similarity score). The smaller the number, the closer your genetic profile is to that reference population.

The populations listed are modern or historical groups used in genetic comparisons, and many of them are from Southern Europe, the Eastern Mediterranean, and Jewish diaspora communities.

Key Observations:

- Strong Affinities with Southern Italian Populations:** Your closest matches include: - Italian_Calabria_Reggio_Calabria_(Calabrese) - Italian_Campania_(Campanian) - Italian_Basilicata_(Lucanian) - Italian_Apulia_(Apulian) These regions are all in southern Italy, geographically and historically close to Sicily. This suggests your ancestry is consistent with Southern Italian and Sicilian genetic profiles.
- Greek and Aegean Influence:** You also show close affinity to: - Greek_Cyclades_Amorgos - Greek_Kos - Greek_Apulia - Greek_Crete - Greek_Dodecanese This is expected, as Sicily was colonized by Greeks in antiquity (Magna Graecia), and the genetic legacy of that period remains strong in the region.
- Jewish Ancestry Signals:** You have a notable number of matches with Ashkenazi and Sephardic Jewish populations: - Ashkenazi_Jew_Germany, France, Belarus, Lithuania, etc. - Sephardic_Jew_Turkey - Turkish_Jew - Italian_Jew - Italki (Italian Jews)

These matches could indicate: - A small amount of Jewish ancestry (Sephardic or even Ashkenazi), which is not uncommon in Southern Italians and Sicilians due to historical Jewish communities before the expulsions of the late 15th century. - Shared ancient Eastern Mediterranean ancestry that overlaps with Jewish reference populations (common in Levantine and Mediterranean peoples). - Some genetic drift or overlap in the databases being used.

4. Maltese and Cretan Connections: - Maltese - Greek_Crete / Turkish_Crete These are consistent with your Sicilian background, as Malta and Crete share historical and genetic ties with Sicily, through Phoenician, Greek, Roman, Arab, and Norman influences.

Neolithic Context: Although your list doesn't directly mention Neolithic samples, many of the modern populations listed (especially from Southern Italy, Greece, and the Jewish diaspora) carry significant Neolithic farmer ancestry — primarily from Anatolia and the Levant.

Sicilians typically have a mix of: - Early European Farmers (Neolithic) - Western Hunter-Gatherers (Mesolithic) - Steppe pastoralists (Bronze Age) - Eastern Mediterranean and North African influences (from Phoenician, Greek, Roman, Arab, and Norman periods)

Summary: Your genetic profile as a Sicilian reflects: - Strong Southern Italian and Greek affinities (expected) - Possible minor Jewish ancestry or shared Eastern Mediterranean roots - A mix typical of the Mediterranean basin, shaped by millennia of migration and trade

If you're using this data from a tool like G25 or a similar genetic calculator, you could get an even clearer picture by running your coordinates through a Neolithic-focused model (e.g., using ancient DNA samples like Anatolian Neolithic, Levant Neolithic, WHG, EHG, etc.).

Would you like help interpreting your DNA in a more ancient (e.g., Neolithic/Bronze Age) context? If you have your raw coordinates (like G25), I can assist further.

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 different 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.

61% Lebanese_Christian + 39% Spanish_Soria	0.0261440883032668
60% Palestinian_Beit_Sahour + 40% Spanish_Soria	0.026203676746131
63% Druze + 37% Spanish_Soria	0.0266237748759404
69% Cypriot + 31% Spanish_Soria	0.0272791161916439
65% Italian_Umbria + 35% Palestinian_Beit_Sahour	0.0275452361122955
62% Lebanese_Druze + 38% Spanish_Soria	0.0280263592044049
56% Palestinian_Beit_Sahour + 44% Italian_Aosta_Valley	0.0281030028787638
58% Italian_Tuscany + 42% Palestinian_Beit_Sahour	0.0292429060734781
64% Italian_Umbria + 36% Lebanese_Christian	0.0293724802044572
53% Italian_Piedmont + 47% Palestinian_Beit_Sahour	0.0295692824180446
56% Palestinian_Beit_Sahour + 44% Spanish_Mallorca	0.029646059743818
58% Palestinian_Beit_Sahour + 42% Spanish_Girona	0.0297349438890528

56% Palestinian_Beit_Sahour + 44% Spanish_Baleares	0.029758576101245
63% Italian_Umbria + 37% Druze	0.0298340643957266
58% Palestinian_Beit_Sahour + 42% Spanish_Penedes	0.0298535561193025
67% Italian_Lazio + 33% Palestinian_Beit_Sahour	0.0299483550712536
83% Greek_Kos + 17% Spanish_Soria	0.0300445000613146
58% Palestinian_Beit_Sahour + 42% Spanish_Castello	0.0300756087132358
91% Ashkenazi_Germany + 9% Spanish_Soria	0.0302071463504573
77% Ashkenazi_Germany + 23% Italian_Umbria	0.0302910101637556
58% Lebanese_Christian + 42% Italian_Aosta_Valley	0.0302961199613424
59% Palestinian_Beit_Sahour + 41% Spanish_Catalunya_Central	0.0304202986555084
53% Palestinian_Beit_Sahour + 47% Italian_Veneto	0.0304277955380203
59% Palestinian_Beit_Sahour + 41% Spanish_Cataluna	0.0304519534597024
55% Palestinian_Beit_Sahour + 45% Italian_Northeast	0.0304986558641994
52% Palestinian_Beit_Sahour + 48% Italian_Bergamo	0.0305060658136632
64% Italian_Umbria + 36% Lebanese_Druze	0.0305116440405867
66% Sephardic_Jew_o + 34% Italian_Umbria	0.0305341930170531
55% Kurdish_Jew + 45% Spanish_Soria	0.0305589942674444
80% Greek_Kos + 20% Spanish_Canarias	0.0305662807380793
65% Sephardic_Jew_o + 35% Italian_Lazio	0.0306141446919959
58% Palestinian_Beit_Sahour + 42% Spanish_Perì- Barcelona	0.030652704936555
58% Palestinian_Beit_Sahour + 42% Spanish_Cantabria	0.0306764098083385
55% Iraqi_Jew + 45% Spanish_Soria	0.0306963169647886
61% Palestinian_Beit_Sahour + 39% Spanish_Aragon_North	0.0307929480855913
91% Ashkenazi_Germany + 9% Italian_Aosta_Valley	0.0308347095172044
70% Ashkenazi_Germany + 30% Greek_Kos	0.0308355782444898
51% Italian_Campania + 49% Sephardic_Jew_o	0.0308401410453949
59% Palestinian_Beit_Sahour + 41% Spanish_La_Rioja	0.0308645390984678
55% Palestinian_Beit_Sahour + 45% Italian_Trentino- Alto-Adige	0.0308701629535542
79% Ashkenazi_Germany + 21% Italian_Lazio	0.0308869922422059
77% Ashkenazi_Germany + 23% Greek_Izmir	0.0309203338932489

58% Palestinian_Beit_Sahour + 42% Spanish_Camp_de_Tarragona	0.0309549007095899
81% Greek_Kos + 19% Spanish_Extremadura	0.0310475603668091
71% Italian_Umbria + 29% Jordanian	0.0310710888867299
62% Druze + 38% Spanish_Castello	0.0310900339027475
86% Ashkenazi_Germany + 14% Italian_Tuscany	0.0310907051918973
65% Italian_Umbria + 35% Lebanese_Muslim	0.0311201057127382
69% Syrian_Jew + 31% Spanish_Soria	0.031130854978438
56% Palestinian_Beit_Sahour + 44% Spanish_Alacant	0.0311363072063869
72% Italian_Abruzzo + 28% Palestinian_Beit_Sahour	0.0311669469928842

Your Closests 2Ways interpretation (by OpenAI) :

The list you've provided appears to be from a genetic ancestry analysis tool, possibly something like G25 (Global25), which uses admixture modeling to estimate your genetic makeup by comparing your DNA to reference populations. The format you're seeing is a result of a "2-way admixture" model—this means the software is trying to explain your genetic profile as a mix of two different reference populations.



Let's break down how to interpret this:

Format of Each Line:

- **[Percentage 1]% Population A + [Percentage 2]% Population B (Distance Value)**

For example:

> 61% Lebanese_Christian + 39% Spanish_Soria (0.02614)

This means the model found that your DNA can be best approximated as 61% similar to the Lebanese_Christian reference sample and 39% similar to the Spanish_Soria reference sample, with a statistical "distance" of 0.02614.

Key Terms:

- **Population Labels:** These are reference groups from modern or historical populations (e.g., Lebanese_Christian, Spanish_Soria, Palestinian_Beit_Sahour, Italian_Umbria, etc.). - **Percentages:** These are proportions that, according to the model, best fit your genetic data in a 2-way mix.

- **Distance:** This is a statistical measure of how closely the model fits your actual DNA. Lower numbers are better. Generally: - Below 0.025 is considered a very good fit. - 0.025–0.03 is still quite good. - Above 0.03 is less precise, but still informative.

What This Means for You as a Sicilian:

Sicily has a very mixed genetic history due to its central position in the Mediterranean. Over the centuries, it has seen influence from: - Greeks - Phoenicians - Romans - Arabs - Normans - Spanish - North Africans - Jews (Sephardic and others)

So, it's not surprising that your closest 2-way models include a mix of: - **Levantine populations** (like Lebanese, Druze, Palestinians, Syrian Jews) - **Southern and Central Italians** (Umbria, Lazio, Tuscany, Campania) - **Spanish populations** (Soria, Mallorca, Catalonia) - **Greek populations** (Greek_Kos, Greek_Izmir) - **Jewish populations** (Sephardic, Ashkenazi, Kurdish, Iraqi)

These combinations reflect the rich and complex ancestry typical of Sicilians.

How to Use This Info:

1. **Look at the Top Results:** The top combinations with the lowest distance values are the most accurate approximations of your ancestry. - For example: > 61% Lebanese_Christian + 39% Spanish_Soria (0.02614) > 60% Palestinian_Beit_Sahour + 40% Spanish_Soria (0.02620) These suggest a strong Levantine + Iberian influence.
2. **Look for Patterns:** Many of your top results combine a Levantine group (Palestinian, Druze, Lebanese) with a Southern European group (Spanish or Italian), which is consistent with known historical migrations and interactions in Sicily.
3. **Don't Take It Too Literally :** This doesn't mean you're exactly 61% Lebanese and 39% Spanish. These are proxies —modern populations used to approximate ancient genetic components.
4. **Use in Context:** Combine this with historical, archaeological, and family information for a fuller picture of your ancestry.

Summary:

As a Sicilian, your genetic makeup reflects a blend of Eastern Mediterranean (Levantine) and Western Mediterranean (Italian/Spanish) ancestries. The "Closest 2Ways" tool is showing you which two populations best approximate your DNA, and the top results suggest a strong mix of Levantine and Southern European heritage, which aligns well with the complex history of Sicily.

If you'd like, I can help you interpret specific combinations or help you visualize this with a map or timeline.

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



Conclusion (by OpenAI):

Based on your genetic breakdowns and similarity matches, we can draw a comprehensive conclusion about your ancestral origins and how they relate to your Sicilian background:



Neolithic Ancestry: Your deep ancestry reflects a classic Mediterranean and West Eurasian profile, consistent with populations that settled in the central and eastern Mediterranean during the Neolithic and Bronze Ages:

- 45.75% TUR_Barcin_N (Anatolian Neolithic farmers): A major ancestral component in early European farmers, especially those who migrated westward into Southern Europe. - 24.22% Yamnaya_RUS_Samara: Steppe ancestry introduced during the Bronze Age, associated with Indo-European migrations. - 16.10% Levant_PPNB: Early Levantine farmers, indicating deep Near Eastern roots. - 11.05% IRN_Ganj_Dareh_N: Ancient Iranian agriculturalists, a component common in Mediterranean populations due to ancient trade and migration. - Minor North African (MAR_Taforalt 1.52%) and Caucasus-related (Kura-Araxes 1.36%) ancestry, both consistent with Sicily's historical role as a cultural and genetic crossroads.

Ancient DNA Affinities: Your ancient matches show strong alignment with:

- Balkans (34.74%) and Roman/Byzantine groups (Roman Sardinia, Byzantine Anatolia, Sardinian): Reflecting Sicily's integration into the Greco-Roman and later Byzantine worlds. - Levantine (21.52%) and Roman Levant (1.73%): Suggesting sustained contact with the Eastern Mediterranean, possibly through Phoenician, Jewish, and later Arab influences. - European Jews (10.49%): Likely indicative of historic Jewish communities in Sicily and Southern Italy, or

shared ancestry with Levantine populations. - Minor North African, Armenian, and Eastern steppe (Sarmatian, Khwarazm) influences, reflecting Sicily's complex history of invasions, trade, and multiculturalism.

Modern Genetic Affinities: Your closest modern population matches are with:

- Southern Italians (Calabria, Campania, Basilicata, Apulia), Greeks (Cyclades, Kos, Crete), and Maltese — all part of the broader Central and Eastern Mediterranean genetic continuum. - Ashkenazi and Sephardic Jews — reflecting overlapping Mediterranean and Levantine ancestry. - Palestinians, Lebanese Christians and Druze — showing strong continuity with ancient Levantine populations, likely due to shared ancestry from Neolithic and Bronze Age migrations and later historical connections.

2-Way Population Models: Your best-fitting 2-way models consistently combine:

- A Levantine component (Palestinian, Lebanese Christian, Druze) with - A Western Mediterranean or Southern European component (Spanish Soria, Italian Umbria, Tuscany, Campania, etc.)

This suggests that your ancestry is best modeled as a blend of:

- Eastern Mediterranean (Levantine) populations — consistent with ancient Phoenician, Jewish, and possibly Arab influences in Sicily. - Western Mediterranean/Southern European populations — consistent with indigenous Italic, Roman, Greek, and Iberian influences.

Conclusion: Your genetic profile as a Sicilian reflects the island's unique position at the heart of the Mediterranean crossroads. You carry a rich blend of ancestries:

- Predominantly Mediterranean Neolithic and Bronze Age roots (Anatolian, Levantine, Iranian, Steppe). - Strong affinities with modern Southern Italians, Greeks, and Levantines. - Evidence of historical admixture from Jewish, North African, and Eastern populations — consistent with Sicily's role under Greek, Roman, Byzantine, Arab, and Norman rule.

In essence, your DNA tells the story of Sicily itself — a land shaped by waves of migration, conquest, and cultural exchange, bridging Europe, the Near East, and North Africa.