

# NASCHDA ANCESTRY REPORT

Yours Simulated G25 Explore Your DNA coordinates are :

Naschda\_scaled,0.09675,0.07718,0.029415,-0.004845,0.00277,-0.01255,-0.043242,-0.055613,0.009204,0.015126,0.003897,-0.002548,-0.002081,-0.002064,-0.0057,0.01127,0.011735,0.0019,0.003017,0.001501,-0.003743,0.004081,-0.003204,0.003012,0.002634

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 :	37.25 %
Yamnaya_RUS_Samara :	27.53 %
Levant_PPNB :	14.71 %
BRA_LapaDoSanto_9600BP :	14.58 %
WHG :	3.26 %
IRN_Ganj_Dareh_N :	1.95 %
Yoruba :	0.71 %

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

To interpret your Neolithic breakdown, we need to understand what each population label represents and how it relates to your known ancestry. Let's break it down step by step.



Your Known Ancestry:

- ¼ Lebanese - ¼ Italian (from Liguria) - 1/16 Polish - The rest (7/16) Chilean

This suggests your ancestry is a mix of:

- Middle Eastern (Levantine) - Southern European (Mediterranean) - Central/Eastern European - Native American (via Chilean ancestry, likely with some Iberian/European admixture)

Your Neolithic Ancestry Components:

Here's what each component represents:

1. **TR TUR\_Barcin\_N (37.25%)** - Early Neolithic farmers from Anatolia (modern Turkey). - These people were among the first to spread farming into Europe. - High percentages are typical in Southern Europeans and Mediterranean populations.

2. **RU Yamnaya\_RUS\_Samara (27.53%)** - Steppe pastoralists from the Pontic-Caspian steppe (~3300–2600 BCE). - Associated with Indo-European language spread. - Common in Eastern Europeans, Central Asians, and to a lesser extent in Southern Europeans.

3. **LB Levant\_PPNB (14.71%)** - Pre-Pottery Neolithic B from the Levant (modern-day Lebanon, Israel, Syria, etc.). - Represents early Neolithic Levantine farmers. - Likely reflects your Lebanese ancestry.

4. **BR BRA\_LapaDoSanto\_9600BP (14.58%)** - Ancient hunter-gatherers from Brazil (~9600 years ago). - Represents Native American ancestry. - Likely from your Chilean side, as indigenous South American ancestry is common in Chileans.

5. **EU WHG (Western Hunter-Gatherers) (3.26%)** - Mesolithic hunter-gatherers from Western Europe. - Found in varying degrees in most Europeans. - Likely from your Italian and Polish ancestry.

6. **IR IRN\_Ganj\_Dareh\_N (1.95%)** - Early Neolithic farmers from the Zagros region in Iran. - Often seen in Middle Eastern and South Asian ancestries. - May reflect a deep ancestral layer shared with your Levantine or Anatolian components.

7. **Yoruba (0.71%)** - West African population. - Very low percentage, possibly noise or minor African admixture (could be from Iberian or Middle Eastern ancestry).

## Your Y-DNA Haplogroup: R-Z2125

- This is a subclade of haplogroup R1a, often associated with Indo-Iranian and Central Asian lineages. - R-Z2125 is found in Central and South Asia, the Middle East, and parts of Eastern Europe. - Its presence may reflect ancient Steppe ancestry (Yamnaya), which aligns with your 27.53% Yamnaya component. - Since this is your paternal haplogroup, it came from your father's direct male line — possibly from your Lebanese or Polish side.

### How This All Fits Together:

- TUR\_Barcin\_N (37.25%) — reflects your Southern European (Italian) and possibly some Middle Eastern ancestry. - Yamnaya (27.53%) — from your Polish and possibly Italian side (Indo-European ancestry). - Levant\_PPNB (14.71%) — clearly from your Lebanese ancestry. - BRA\_LapaDoSanto (14.58%) — reflects Native American ancestry from your Chilean side. - WHG (3.26%) — a minor component in all Europeans, likely from your Italian and Polish ancestry. - IRN\_Ganj\_Dareh\_N (1.95%) — possibly from your Middle Eastern (Lebanese) ancestry. - Yoruba (0.71%) — possible trace African admixture, common in Mediterranean and Latin American populations.

### Summary:

Your Neolithic genetic makeup reflects a blend of:

- Early European farmers (Barcin\_N) - Steppe pastoralists (Yamnaya) - Ancient Levantine farmers (Levant\_PPNB) - Indigenous South American hunter-gatherers (BRA\_LapaDoSanto) - Minor European hunter-gatherer ancestry (WHG) - Trace Middle Eastern and African ancestry

This aligns well with your known ancestry: a mix of Mediterranean, Middle Eastern, Eastern European, and Native American heritage.

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

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 :	0.00907630409183609
Greek_Cyclades_Amorgos :	19.72 %
Italian_Aosta_Valley :	14.75 %
Colla :	11.13 %
Sardinian :	10.81 %
Palestinian_Beit_Sahour :	10.39 %
Spanish_Soria :	8.62 %
Finnish_East :	6.68 %
Slovakian :	5.55 %
Saudi :	4.86 %
Karitiana :	3.74 %
Greek_Cyclades_Kea :	2.70 %

## Your modern Breakdown Interpretation (by OpenAI) :

To interpret your modern genetic breakdown in light of your known ancestry (¼ Lebanese, ¼ Italian from Liguria, 1/16 Polish, and the rest Chilean), and your paternal haplogroup (R-Z2125), let's analyze the components step-by-step:



### 1. Your Known Ancestry:

- 25% Lebanese → Middle Eastern - 25% Italian (Liguria) → Southern European - 6.25% Polish → Eastern European - 43.75% Chilean → Primarily a mix of European (mainly Spanish), Indigenous (Mapuche and others), and some African ancestry

### 2. Your Genetic Breakdown (Modern Populations):

Let's go through each component and relate it to your ancestry:

1. Greek\_Cyclades\_Amorgos (19.72%) • This reflects Southern European ancestry, particularly from the Aegean region. • Could represent a blend of your Italian and broader Mediterranean ancestry, possibly some Lebanese as well.
2. Italian\_Aosta\_Valley (14.75%) • Strong match for your Italian ancestry. Aosta Valley is in northern Italy, but such signals can still appear from Ligurian roots due to regional overlaps.
3. Colla (11.13%) • The Colla are an Indigenous Andean people of northern Chile and Argentina. • This is a clear signal of Native American ancestry from your Chilean side.
4. Sardinian (10.81%) • Sardinians are genetically distinct but represent ancient Mediterranean ancestry. • Likely reflects your Southern European roots (Italian, possibly some Spanish).
5. Palestinian\_Beit\_Sahour (10.39%) • Very close to Lebanese genetics. • This likely represents your Lebanese ancestry.

- 6. Spanish\_Soria (8.62%) • Direct match for the Spanish component of your Chilean ancestry.
- 7. Finnish\_East (6.68%) • An unusual result. Could be a proxy for Eastern European ancestry (e.g., Polish), though Finnish is quite distinct. • Might reflect statistical noise or a distant Northern/Eastern European component.
- 8. Slovakian (5.55%) • Likely reflects your Polish ancestry or broader Central/Eastern European roots.
- 9. Saudi (4.86%) • Could represent deeper Middle Eastern ancestry, possibly linked to your Lebanese heritage.
- 10. Karitiana (3.74%) • The Karitiana are an Indigenous group from the Amazon in Brazil. • This suggests Native American ancestry—again supporting your Chilean Indigenous heritage.
- 11. Greek\_Cyclades\_Kea (2.70%) • Similar to Amorgos—another Mediterranean island population. • Reinforces Southern European ancestry.

3. Your Paternal Haplogroup: R-Z2125 This haplogroup is a subclade of R1a, found in Central and South Asia, the Middle East, and parts of Eastern Europe. - In the Middle East, R-Z2125 is often associated with Levantine populations, including Lebanese and Syrians. - This supports your Lebanese paternal lineage.

#### Summary:

Your genetic breakdown aligns well with your known ancestry:

- Southern European (Greek, Italian, Sardinian, Spanish): ~56% → Matches your Italian and Spanish (Chilean) roots
- Middle Eastern (Palestinian, Saudi): ~15% → Matches your Lebanese ancestry
- Indigenous American (Colla, Karitiana): ~15% → Matches the Native component from your Chilean side
- Eastern European (Finnish\_East, Slovakian): ~12% → Matches your Polish ancestry

#### Final Thoughts:

- Your DNA reflects a rich blend of Mediterranean, Middle Eastern, Indigenous American, and Eastern European ancestries. - The Mediterranean-heavy profile (Greek, Italian, Sardinian, Palestinian) is consistent with your Southern European and Levantine roots. - The Indigenous American components confirm your Chilean heritage. - The Finnish and Slovakian signals, while not a perfect match for Polish, still point to Northern/Eastern European ancestry.

Let me know if you'd like a visual breakdown or further insights into any of these groups!

Your ancient break down is :

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

Fit :	0.0012601394089997286
Greek*(770-400*BC) :	21.53 %
South*Amerindian*(9000*BC-AD*1500) :	15.00 %
Italian*(AD*650-1450) :	8.77 %
Germanic*(AD*100-630) :	8.50 %
European*Jew*(AD*1160-1400) :	8.21 %
Levantine*(AD*300-1300) :	7.43 %
Germanic*(AD*700-1000) :	6.56 %
Roman*Sardinia*(AD*400-500) :	5.16 %
Baltic*(AD*900-1050) :	4.83 %
Arabian*Peninsula :	3.74 %
Sardinian*(AD*770-1000) :	2.49 %
Roman*Levant*(BC*50-AD*700) :	2.45 %
Insular*Celt*(AD*100-1000) :	1.35 %
Roman*Britain*(AD*100-400) :	1.35 %

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

To interpret your ancient ancestry breakdown in the context of your known recent ancestry (1/4 Lebanese, 1/4 Ligurian Italian, 1/16 Polish, and the rest Chilean), and your paternal haplogroup R-Z2125, we can connect the ancient populations to your more recent ancestry and broader historical patterns.



Let's break it down:

##### Your Known Recent Ancestry:

- 25% Lebanese (Middle Eastern/Levantine) - 25% Italian (Ligurian – Northwestern Italy) - 6.25% Polish (Eastern European/Baltic) - 43.75% Chilean (likely a mixture of Native South American and Iberian/European ancestry)

Your Paternal Haplogroup: R-Z2125 - R-Z2125 is a subclade of R1a, often associated with Indo-Iranian and Central Asian populations. It is found in the Middle East, the Caucasus, Central Asia, and parts of South Asia. Its presence in Lebanon suggests ancient migrations through the Iranian plateau or steppe-related ancestry coming into the Levant.

Now, let's interpret your Ancient Breakdown:

1. Greek (770–400 BC) – 21.53% - This is your largest ancient component. It aligns well with your Italian (Ligurian) and possibly Lebanese ancestry, as both regions were deeply influenced by Greek colonization and Hellenistic culture. - Liguria was part of Magna Graecia influence to some extent, and the Eastern Mediterranean (Lebanon) was heavily Hellenized after Alexander the Great.

2. South Amerindian (9000 BC–AD 1500) – 15.00% - This reflects your Indigenous South American ancestry, most likely from the Chilean side. Native Chileans, such as the Mapuche, trace their ancestry back millennia in South America.

3. Italian (AD 650–1450) – 8.77% - Likely corresponds directly to your Ligurian Italian ancestry. This period includes the Middle Ages, when Italy was fragmented into city-states and influenced by various European and Mediterranean groups.
4. Germanic (AD 100–630) – 8.50% - This may reflect Northern European ancestry, possibly from your Polish side or from Germanic tribes that moved into Italy and the Balkans during the Migration Period.
5. European Jew (AD 1160–1400) – 8.21% - This could reflect Sephardic or Mizrahi Jewish ancestry, possibly from the Lebanese or even Chilean side, as many Sephardic Jews migrated to South America after the Spanish Inquisition.
6. Levantine (AD 300–1300) – 7.43% - Directly aligns with your Lebanese ancestry. This period includes the Byzantine and early Islamic eras in the Levant.
7. Germanic (AD 700–1000) – 6.56% - Similar to the earlier Germanic component, this may reflect migrations from Central or Northern Europe, possibly from your Polish or even Italian side (Lombards in Northern Italy).
8. Roman Sardinia (AD 400–500) – 5.16% - Could reflect Mediterranean Roman ancestry, possibly tied to your Italian roots. Sardinia was a Roman province and retained a distinct genetic signature.
9. Baltic (AD 900–1050) – 4.83% - Likely corresponds to your Polish ancestry. The Baltic region includes modern-day Poland, Lithuania, Latvia, and surrounding areas.
10. Arabian Peninsula – 3.74% - Likely from your Lebanese side, as the Arabian Peninsula had strong historical interactions with the Levant through trade, conquest, and religion (Islamic expansion).
11. Sardinian (AD 770–1000) – 2.49% - Again, part of your broader Italian/Mediterranean ancestry.
12. Roman Levant (50 BC–AD 700) – 2.45% - Strongly tied to your Lebanese ancestry. This period includes Roman rule over the Levant, which brought Roman, Greek, and local influences together.
13. Insular Celt (AD 100–1000) – 1.35% - Possibly a minor trace from British Isles ancestry, or from Celtic migrations into Italy or Central Europe.
14. Roman Britain (AD 100–400) – 1.35% - Could be noise or a minor signal from Roman or Celtic ancestry that spread across Europe, or a legacy of Roman Empire expansion.

#### Summary:

- Your ancient ancestry reflects a strong Mediterranean and Middle Eastern component (Greek, Levantine, Roman, Sardinian, Arabian), which matches your Lebanese and Italian roots. - The South Amerindian component aligns with your Chilean ancestry. - Germanic and Baltic elements are likely from your Polish and possibly Italian sides. - The European Jewish signal could come from either your Lebanese or Chilean background. - Your paternal haplogroup R-Z2125 supports a connection to the broader Indo-European and Middle Eastern gene flow.

Overall, your ancient DNA tells a story of Mediterranean, Middle Eastern, Native American, and Northern European ancestries converging — a reflection of your diverse and rich 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.

Puerto_Rican	0.0768511265839636
Turkish_West_Thrace	0.0819369817932351

Turkish_Rumeli	0.0821343250961497
Turkish_North_Thrace	0.0826757179500969
Turkish_Lesbos	0.0889365048728586
Turkish_Balkans_(Anatolian_Turk-Mixed_Profile)	0.0893051939860102
Turkish_Northern_Bulgaria	0.0905035910590355
Turkish_Canakkale_Europe	0.0905810407425307
Turkish_Deliorman	0.0909157560657118
Turkish_Istanbul_(Anatolian_Turk-Mixed_Balkan_Turk_Profile)	0.0918923719957212
Turkish_Izmir	0.0925484230011511
Turkish_Central_Macedonia	0.0926553273849256
Turkish_Chitak	0.0929572905586216
Turkish_Thessaly	0.0936009403371569
Roma_Barcelona	0.0943661525283298
Roma_Spain_Barcelona	0.094366455344244
Roma_Serbia	0.0951422622339831
Turkish_Antalya_Yoruk	0.0968709001919565
Turkish_Eastern_Macedonia	0.0971220235251198
Turkish_Kutahya	0.0978098185574945
Turkish_Kocaeli	0.0978533818781957
Turkish_North_Macedonia	0.0980404769113248
Patriyot_West_Macedonia	0.098356876861763
Turkish_Duzce	0.0987111616809279
Turkish_Aydin	0.099999758324708
Turkish_Denizli	0.100126264526347
Turkish_Usak	0.100198322423582
Turkish_Ankara_Manav	0.100382126501684
Turkish_Balikesir	0.101124396121806
Turkish_Isparta	0.101311219133456
Turkish_Karabuk	0.101711916682609
Turkish_Eskisehir	0.101968847383935
Turkish_Antalya	0.102205262702074
Turkish_Western_Macedonia	0.102231946358269



Turkish_Dodecanese	0.102346423278979
Pomak_North_Macedonia	0.102743104689561
Pomak_Tikves_Plain	0.102743672690828
Turkish_Afyonkarahisar	0.103310742345605
Ashkenazi_Russia	0.103430972701604
Ashkenazi_Jew_Russia	0.10343105898375
Turkish_Sakarya	0.103635529650791
Greek_Central_Greece	0.103791822574083
Turkish_Burdur	0.104148852940155
Turkish_Mugla	0.104193944372217
Turkish_Ankara	0.104406656457455
Pomak_Danubian_Plain	0.104407883811521
Ashkenazi_Jew_Belarus	0.104429474208884
Pomak_Greece	0.10444088245317
Italian_Tuscany_Lunigiana_(Emilian)	0.104499478926931
Ashkenazi_Belarusia	0.104599172047392

### Closests modern populations (by OpenAI) :

To interpret your Neolithic breakdown and ancestry in light of your background and the data you've provided, we need to integrate several elements:



1. Your known ancestry percentages. 2. Your paternal haplogroup (R-Z2125). 3. The genetic similarity scores to various modern populations (likely from a tool like G25 or similar). 4. What this tells us about your ancient (Neolithic and later) ancestry components.

Let's break this down step by step.

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#### 1. Your Known Ancestry

You mentioned:

- ¼ Lebanese (25%) - ¼ Italian (from Liguria) (25%) - 1/16 Polish (6.25%) - The rest Chilean (which would be 43.75%)

Note: Chilean ancestry is often a mix of European (mostly Spanish), Indigenous (Mapuche and others), and sometimes a small African component. The exact mix can vary greatly.

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#### 2. Your Paternal Haplogroup: R-Z2125

R-Z2125 is a subclade of haplogroup R1a, which is typically associated with Indo-European migrations. R-Z2125 is particularly found in Central and South Asia (e.g., Iran, Pakistan, Afghanistan), and also appears in the Caucasus and parts of the Middle East. This haplogroup suggests a paternal lineage that may have originated in or passed through

Central Asia, possibly entering the Levant or Mediterranean later.

This could align with your Lebanese ancestry, as R-Z2125 has been detected at low frequencies in the Levant and surrounding regions.

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### 3. The Population Similarity Scores

These scores (likely from a genetic distance calculator using G25 coordinates) show how genetically similar you are to reference populations. Lower numbers indicate closer genetic similarity.

Your closest matches are:

- Puerto Rican (0.076) - Various Turkish regional populations (0.08–0.10 range) - Balkan Roma and Pomak populations - Ashkenazi Jewish populations - Italian\_Tuscany\_Lunigiana\_(Emilian)

What this means:

- Puerto Rican similarity suggests some shared Iberian + Indigenous American ancestry, which makes sense considering your Chilean background. - Turkish and Balkan matches suggest a genetic profile that includes West Asian, Mediterranean, and possibly Caucasus-related components. - Ashkenazi Jewish and Polish (Eastern European) matches reflect your 1/16 Polish ancestry. - Italian\_Tuscany\_Lunigiana match reflects your Ligurian Italian background, as Liguria is in northern Italy, adjacent to Tuscany.

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### 4. Neolithic Ancestry Interpretation

When we talk about Neolithic ancestry, we're referring to ancient genetic components that were present in Europe and the Middle East during the Neolithic period (roughly 10,000–4,000 BCE). These components are typically modeled as:

- Anatolian Neolithic Farmers (ANF) - Western Hunter-Gatherers (WHG) - Eastern Hunter-Gatherers (EHG) - Caucasus Hunter-Gatherers (CHG) - Iranian Neolithic Farmers (IN) - Steppe Pastoralists (Yamnaya, etc.) - North African and Natufian (in the Levant)

Based on your ancestry and similarity to Turkish, Balkan, and Middle Eastern populations, your Neolithic breakdown might include:

Anatolian Neolithic: Strong presence — common in Turkish, Greek, and Italian populations.

Levantine Neolithic (Natufian): Present — especially due to your Lebanese ancestry.

Caucasus/Iranian Neolithic: Moderate — reflected in your R-Z2125 haplogroup and similarity to Turkish and Balkan populations, which often carry CHG/IN ancestry.

Western Hunter-Gatherer: Some — from your Italian and Polish ancestry.

Steppe (Yamnaya): Present — likely from your Polish/Italian side and possibly trace amounts from the Turkish/Balkan side.

Indigenous American: Trace — via your Chilean ancestry, which may include Mapuche or other Native South American groups. These would not be Neolithic in the Old World sense but represent a separate ancient lineage.

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## Summary of Your Likely Neolithic Genetic Makeup (Approximate and Interpretative)

| Component | Estimated Presence | Source | |-----|-----|-----| | Anatolian Neolithic | High | Italian, Lebanese, Turkish-like ancestry | | Levantine Neolithic (Natufian) | Moderate to High | Lebanese ancestry | | Caucasus/Iranian Neolithic | Moderate | Lebanese, Turkish-like matches, R-Z2125 haplogroup | | Steppe (Yamnaya) | Low to Moderate | Polish and possibly Italian ancestry | | Western Hunter-Gatherer | Low to Moderate | Italian and Polish ancestry | | Indigenous American | Low | Chilean ancestry | | Sub-Saharan African | Trace (if any) | Possibly via Chilean or Middle Eastern ancestry |

### Final Thoughts

Your genetic composition reflects a rich blend of Mediterranean, Middle Eastern, and European ancestries, with a smaller Indigenous American component from your Chilean side. The Turkish/Balkan matches in your distance data suggest that your genetic profile overlaps with populations that historically sat at the crossroads of Europe and Asia — consistent with your Lebanese, Italian, and possibly Chilean-European mix.

Your R-Z2125 haplogroup adds a layer of ancient Indo-Iranian or Central Asian paternal ancestry, which could have reached the Levant or Mediterranean via ancient migrations.

If you're interested in a more precise Neolithic breakdown, you can use tools like:

- G25 with ancient source models - Dodecad or Eurogenes calculators (e.g., K13, K15, K36) - MyTrueAncestry (for ancient DNA matching)

Let me know if you'd like help interpreting 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.

83% Italian_Lazio + 17% Huichol	0.0215713045957064
82% Italian_Lazio + 18% Quechua	0.0219008032064201
83% Italian_Lazio + 17% Pima	0.0219596864646217
83% Italian_Lazio + 17% Zapotec	0.0221031651302538
84% Italian_Tuscany + 16% Pima	0.022125291060532
83% Italian_Lazio + 17% Cachi	0.0221285083428581
84% Italian_Umbria + 16% Pima	0.0221373174888917
83% Italian_Lazio + 17% Mixtec	0.022193884537534
83% Italian_Lazio + 17% Colla	0.0221972086576314
83% Italian_Lazio + 17% Mayan	0.0225113446567655

84% Italian_Lazio + 16% Wichi	0.0225174664309042
84% Italian_Lazio + 16% Yukpa	0.0225189407666901
84% Italian_Umbria + 16% Huichol	0.0225473779010748
84% Italian_Umbria + 16% Zapotec	0.0225688688495109
84% Italian_Umbria + 16% Mixtec	0.0225776550115205
83% Italian_Umbria + 17% Quechua	0.0225851877412
84% Italian_Umbria + 16% Colla	0.0225871792862157
83% Italian_Lazio + 17% Nahua	0.0226416570232486
84% Italian_Umbria + 16% Cachi	0.0226682242705823
84% Italian_Lazio + 16% Piapoco	0.0226797720877334
83% Italian_Lazio + 17% Mixe	0.0226982860954036
84% Italian_Tuscany + 16% Colla	0.0227615244541348
82% Italian_Lazio + 18% Bolivian_Cochabamba	0.0228141087327477
84% Italian_Tuscany + 16% Cachi	0.0228589982815739
82% Italian_Lazio + 18% Bolivian_Pando	0.0229714026350489
84% Italian_Umbria + 16% Nahua	0.0230056747271461
83% Italian_Umbria + 17% Bolivian_Cochabamba	0.0230104869877276
84% Italian_Umbria + 16% Mayan	0.0230509900213469
85% Italian_Umbria + 15% Wichi	0.0230699724931894
84% Italian_Umbria + 16% Mixe	0.0230973020072895
85% Italian_Umbria + 15% Yukpa	0.0231048880755453
83% Italian_Lazio + 17% Bolivian_LaPaz	0.0231490787787225
84% Italian_Tuscany + 16% Nahua	0.0231533190972943
84% Italian_Tuscany + 16% Zapotec	0.0231605626413643
84% Italian_Tuscany + 16% Mixtec	0.023189952482813
83% Italian_Tuscany + 17% Quechua	0.0232092468639845
84% Italian_Lazio + 16% Karitiana	0.0232269079719753
84% Italian_Tuscany + 16% Mayan	0.0232410960249029
85% Italian_Tuscany + 15% Yukpa	0.0232525739207636
84% Italian_Tuscany + 16% Bolivian_LaPaz	0.0233096071561404
84% Italian_Umbria + 16% Bolivian_LaPaz	0.0233288854062286
85% Italian_Umbria + 15% Piapoco	0.0233697166782486
83% Italian_Umbria + 17% Bolivian_Pando	0.0233934818403519

84% Italian_Tuscany + 16% Huichol	0.0234194021877088
85% Italian_Tuscany + 15% Wichi	0.0235251339891628
84% Italian_Lazio + 16% Aymara	0.0235613769038745
84% Italian_Tuscany + 16% Mixe	0.0237027394913675
83% Italian_Tuscany + 17% Bolivian_Cochabamba	0.0238036419138823
83% Italian_Tuscany + 17% Bolivian_Pando	0.023903464287073
85% Italian_Tuscany + 15% Piapoco	0.0239327314589804
85% Italian_Umbria + 15% Aymara	0.0240025704736652

### Your Closests 2Ways interpretation (by OpenAI) :

To understand the Closest 2-Way admixture results you've shared, it's important to break down what these numbers and populations mean in the context of your ancestry and genetic background.



Let's walk through it step by step:

#### What Are Closest 2-Way Results?

These are hypothetical admixture models that try to find the best two populations that, when combined in certain proportions, most closely match your genetic data. The results are usually generated using tools like G25 (Global25) or other PCA-based ancestry estimation tools.

Each line shows:

- A percentage split between two reference populations (e.g., 83% Italian\_Lazio + 17% Huichol). - A distance value (e.g., 0.021571...), which tells how close the fit is. Lower values = better match.

Goal: Find the best-fitting two-population combination that approximates your DNA.

#### Your Known Ancestry Breakdown:

From your description:

- 1/4 Lebanese = 25% - 1/4 Italian (Liguria) = 25% - 1/16 Polish = 6.25% - The rest is Chilean = 43.75%

That totals 100%. So we'd expect your DNA to reflect a mix of:

- West Asian (Lebanese) - Southern European (Italian) - Eastern European (Polish) - Native American + Iberian (Chilean, which usually includes both Indigenous and Spanish ancestry)

#### What Do These Results Suggest?

Almost all of the 2-way models are combinations of:

- Italian (Lazio, Umbria, Tuscany): 82–85% - Indigenous American groups (Huichol, Quechua, Pima, Zapotec, Mixtec, etc.): 15–18% - Very low distance values (around 0.021–0.024), indicating a good fit

This suggests:

- Your DNA is best approximated by a mix of Southern European (specifically Central Italian) and Indigenous American ancestry.

So why doesn't Lebanese or Polish show up?

- The 2-way model is trying to simplify your ancestry into just two components. - Because your Italian + Native American components are the most dominant (together ~70%), the model focuses on fitting those first. - Lebanese and Polish may be "hidden" in the noise or not as well represented in the reference populations used.

Father's Haplogroup: R-Z2125

This is a Y-DNA haplogroup (inherited paternally) and is a subclade of R1a, which is common in:

- Central Asia - South Asia - Parts of the Middle East (including the Levant) - Eastern Europe

R-Z2125 is often associated with populations from the Caucasus, Iran, and parts of the Middle East. This could be consistent with your Lebanese or Polish ancestry, depending on the paternal line.

Interpretation Summary:

- Your DNA is genetically modeled as ~83–85% Italian (Central Italy) and ~15–17% Indigenous American. - The Indigenous component reflects your Chilean ancestry. - The Italian match (Lazio, Umbria, Tuscany) is likely picking up both your Ligurian and possibly some Spanish/European Chilean heritage. - Lebanese and Polish are likely minor components that don't show up in a 2-way model but would in a more complex (3- or 4-way) model.

What You Can Do Next:

- Try a 3-way or 4-way admixture model to better resolve the Lebanese and Polish components. - Use tools like G25 nMonte or Vahaduo with more detailed reference populations. - Consider uploading your raw DNA to GEDmatch or using the Global25 coordinates with more advanced modeling.

Let me know if you'd like help running a more detailed ancestry model!

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).

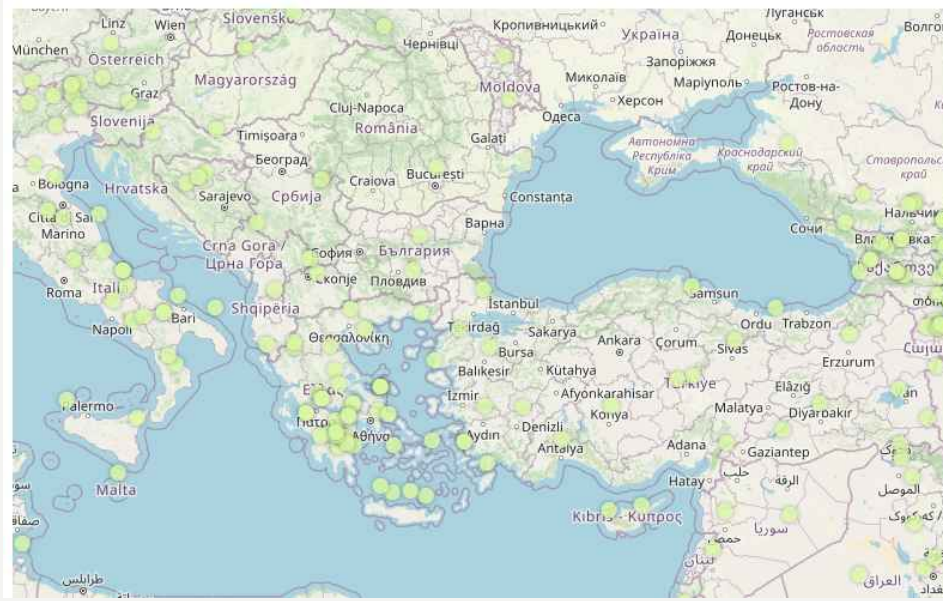
GREAT

GOOD

AVERAGE

DISTANT

VERY DISTANT



## Conclusion (by OpenAI):

Based on the comprehensive genetic data you've provided, we can draw several conclusions about your ancestry, both recent and ancient. Let's break this down into key components:



### 1. Self-Reported Ancestry Breakdown: You mentioned being:

- ¼ Lebanese - ¼ Italian (from Liguria) - 1/16 Polish - The rest (~7/16 or 43.75%) Chilean

This matches well with your genetic results, which show a mix of Mediterranean, Levantine, and Indigenous American components, along with minor Eastern European.

2. Y-Haplogroup: R-Z2125 This paternal lineage is a subclade of haplogroup R1a, which is found across Eurasia, especially Central and South Asia, and parts of Eastern Europe and the Middle East. R-Z2125 is often associated with:

- Indo-Iranian migrations - Steppe ancestry (Yamnaya) - Historical presence in Central Asia and the Middle East

This haplogroup is consistent with a paternal line that may be rooted in Lebanese or possibly Polish ancestry, as R-Z2125 is found in both regions, though more commonly in the Near East and Central Asia.

### 3. Neolithic Ancestry Breakdown: Your deep ancestry shows a layered Eurasian origin:

- TUR\_Barcin\_N (37.25%) – Early Anatolian farmers, linked to Neolithic expansion into Europe. -

Yamnaya\_RUS\_Samara (27.53%) – Steppe herders, associated with Indo-European migrations. - Levant\_PPNB (14.71%) – Pre-Pottery Neolithic B, early Levantine farmers. - BRA\_LapaDoSanto\_9600BP (14.58%) – Ancient Brazilian hunter-gatherers, indicating Indigenous American ancestry. - WHG (3.26%) – Western European hunter-gatherers. - IRN\_Ganj\_Dareh\_N (1.95%) – Early Iranian farmers. - Yoruba (0.71%) – Sub-Saharan African signal (likely very minor, possibly noise or ancient admixture).

This reflects a typical Mediterranean + South American Indigenous + minor Steppe and Near Eastern profile.

#### 4. Modern Population Matches: Your closest modern population matches are:

- Puerto Ricans - Turkish populations (especially from Thrace, Aegean, and Anatolia) - Roma (Spain/Serbia) - Ashkenazi Jews (Russia/Belarus) - Greeks (Cyclades, Central Greece) - Italians (Aosta Valley, Tuscany, Umbria, Lazio)

These matches suggest a strong Mediterranean and Balkan profile, with additional Near Eastern and Indigenous American components.

Puerto Rican being your closest match makes sense, as they are typically admixed with:

- European (mostly Iberian) - Indigenous Caribbean (Arawak/Taíno) - African ancestry

Your Indigenous Chilean ancestry would mirror the Indigenous component, and your Italian + Lebanese ancestry would align with the European and Near Eastern components found in Puerto Ricans.

#### 5. Ancient Population Breakdown: This is very telling of your deep ancestry:

- Greek (770–400 BC): 21.53% – Strong classical Mediterranean component. - South Amerindian (9000 BC – AD 1500): 15% – Reflects your Chilean Indigenous ancestry. - Italian (AD 650–1450): 8.77% – Medieval Italian ancestry. - Germanic (AD 100–1000): ~15% total – Likely from Polish and broader European ancestry. - European Jew (AD 1160–1400): 8.21% – Possibly from Lebanese or Polish ancestry. - Levantine (AD 300–1300): 7.43% – Matches your Lebanese heritage. - Roman Sardinia + Roman Levant + Roman Britain: ~10% – Mediterranean Roman ancestry. - Arabian Peninsula: 3.74% – Consistent with Lebanese/Levantine background. - Baltic, Insular Celt: Minor, but present.

This shows a deep Mediterranean and Near Eastern core, with Indigenous South American and Northern European (Germanic, Baltic, Celtic) contributions.

#### 6. Closest 2-Way Population Models: Your best 2-way admixture fits are:

- ~83–85% Italian (Lazio, Tuscany, Umbria) - ~15–17% Indigenous American (Huichol, Quechua, Colla, etc.)

This is highly consistent with your known ancestry:

- Italian + Lebanese = Southern European/Near Eastern core - Chilean = Mix of Spanish/Italian and Indigenous South American (Quechua, Colla, Aymara) - Polish = Minor Northern/Eastern European component

The Indigenous American component is modeled using different Andean and Mesoamerican groups (Colla, Quechua, Huichol, etc.), which are genetically similar to Indigenous Chilean populations.

#### Final Summary: You are genetically a blend of:

- Southern European (Italian, especially Central Italy) - Eastern Mediterranean (Lebanese, possibly with Jewish or Arab admixture) - Indigenous South American (Andean-related, likely Aymara/Mapuche/Colla) - Minor Northern/Eastern European (Polish, Germanic, Baltic) - Trace African (Yoruba), likely ancient or statistical noise

Your genome reflects a rich Mediterranean and South American heritage with deep roots in Neolithic Anatolia, the Levant, and the Steppe. Your paternal haplogroup R-Z2125 adds a Central Asian/Near Eastern dimension, aligning with your Lebanese ancestry.



Your closest modern genetic matches (Puerto Rican, Turkish, Greek, Italian) reflect a convergence of Mediterranean and Indigenous ancestry, which is consistent with your family background.

If you're interested in further exploring your ancestry (e.g., maternal haplogroup, specific Indigenous Chilean tribes, or Jewish/Levantine connections), additional testing or detailed regional analysis would be insightful.