

ABEBECH ANCESTRY REPORT

Yours Simulated G25 Explore Your DNA coordinates are :

Abebech,-0.256102,0.1046,-0.036204,-0.082688,0.002462,-0.03514,-0.008695,0.001615,0.100626,-0.070343,-0.007795
, -0.012589,0.008474,-0.000413,0.021444,-0.012994,0.00678,-0.002407,0.005405,5e-04,0.008235,0.004822,-0.000493,0
.000843,0.002155

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 :

Levant_PPNB :	40.99 %
Dinka :	37.11 %
ETH_4500BP :	12.39 %
MAR_Taforalt :	6.49 %
IRN_Ganj_Dareh_N :	3.01 %

Your Neolithic Breakdown Interpretation (by OpenAI) :

To interpret your Neolithic genetic breakdown in the context of your haplogroups (E-Y205079 and L0a1c1) and your Oromo heritage, we can analyze each component of your ancestry and how it relates to ancient populations and migration patterns in East Africa and surrounding regions.



1. Levant_PPNB (40.99%)

- What it means: This refers to the Pre-Pottery Neolithic B population from the Levant (modern-day Israel, Jordan, Syria, etc.), dating to around 8,500–6,000 BCE. - Interpretation: A significant portion of your ancestry traces back to early Near Eastern farmers. This component likely entered East Africa during the Neolithic or later via population movements from the Levant into northeastern Africa, possibly through Egypt or the Horn of Africa. - In Oromo context: This ancestry is common in many East African populations and reflects ancient connections between the Horn of Africa and the Middle East. It is a major contributor to the so-called "West Eurasian" component seen in many Cushitic-speaking groups like the Oromo.

2. Dinka (37.11%)

- What it means: Dinka are a Nilotic people from South Sudan. This component represents ancient East African hunter-gatherer or pastoralist ancestry. - Interpretation: This reflects your deep East African roots, particularly from populations that have lived in the Nile Valley and surrounding areas for tens of thousands of years. - In Oromo context: This component is consistent with the indigenous African ancestry found in the Horn of Africa, especially among populations with pastoralist traditions.

3. ETH_4500BP (12.39%)

- What it means: This refers to a 4,500-year-old individual from Ethiopia, often associated with the Chalcolithic or late Neolithic period. - Interpretation: This is a more localized East African ancestry, representing ancient populations in Ethiopia who were already admixed with both indigenous African and West Eurasian components. - In Oromo context: This is likely a direct ancestral component to modern Oromo and other Ethiopian groups, showing deep continuity in the region.

4. MAR_Taforalt (6.49%)

- What it means: Refers to the Iberomaurusian people from Taforalt Cave in Morocco (~15,000 years ago). - Interpretation: This North African component may represent ancient back-migrations into East Africa or shared ancestry from a common North African/East African population. - In Oromo context: While not a dominant component, it suggests some ancient North African influence or shared ancestry with early North African populations.

5. IRN_Ganj_Dareh_N (3.01%)

- What it means: Refers to Neolithic farmers from Ganj Dareh in the Zagros Mountains of Iran (~10,000 years ago). - Interpretation: This ancestry reflects early agriculturalist populations from the Iranian plateau. It may have entered East Africa along with Levantine ancestry as part of broader Neolithic expansions. - In Oromo context: This is a minor component, but it supports the idea of multiple waves of West Eurasian gene flow into East Africa over millennia.

Your Haplogroups:

- Paternal: E-Y205079 — A subclade of haplogroup E1b1b, common in East and North Africa. This lineage is often associated with Afroasiatic-speaking populations and may have originated in the Horn of Africa or nearby regions. - Maternal: L0a1c1 — A subclade of L0, one of the most ancient human mitochondrial lineages, common in East and Southern Africa. This reflects deep maternal ancestry in Africa.

Summary:

Your genetic profile reflects a rich blend of ancestries typical of East African populations, especially Cushitic-speaking groups like the Oromo. The largest component comes from ancient Near Eastern farmers (Levant_PPNB), reflecting long-standing connections between the Horn of Africa and the Middle East. This is complemented by strong indigenous East African ancestry (Dinka and ETH_4500BP), and smaller contributions from North Africa (Taforalt) and ancient Iran (Ganj Dareh).

This complex ancestry mirrors the dynamic history of the Horn of Africa — a crossroads of ancient African and Eurasian populations — and is consistent with your Oromo identity and haplogroups.

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 :	0.013940805924597807
Ethiopian_Amhara :	49.80 %
Rendille :	18.29 %
Eritrean :	13.20 %
Ethiopian_Jew :	12.29 %
Sengwer :	3.86 %
Georgian_Guria :	1.11 %

Your modern Breakdown Interpretation (by OpenAI) :

To interpret your modern ancestry breakdown in the context of your haplogroups and Oromo identity, we can analyze each component step-by-step.



1. Your Haplogroups:

- Paternal: E-Y205079 - This is a subclade of haplogroup E, specifically within the E-M35 branch, which is common in Northeast Africa, the Horn of Africa, and parts of the Middle East. E-Y205079 is most frequently found among Cushitic-speaking populations, including the Oromo, and is consistent with a deep-rooted paternal lineage in the Horn of Africa.

- Maternal: L0a1c1 - This mitochondrial haplogroup is part of haplogroup L0, one of the oldest maternal lineages, originating in East Africa. L0a1c1 is often found in East African populations and is common among Bantu-speaking and Cushitic-speaking groups, including Ethiopians and other Horn of Africa peoples.

2. Ethnic Identity: Oromo

The Oromo are a Cushitic-speaking ethnic group native to Ethiopia, particularly the southern and central regions. They are the largest ethnic group in Ethiopia and have diverse genetic backgrounds due to historical migrations, assimilation, and intermarriage with neighboring groups.

3. Modern Genetic Breakdown:

Let's interpret each component of your breakdown:

- Ethiopian_Amhara (49.80%) - This is the largest portion of your ancestry. The Amhara are a Semitic-speaking group from the Ethiopian highlands. Your significant Amhara component suggests a strong genetic affinity with highland populations, possibly due to historical intermarriage or shared ancient ancestry between Cushitic and Semitic-speaking groups in Ethiopia.

- Rendille (18.29%) - The Rendille are a Cushitic-speaking pastoralist group from northern Kenya. This component reflects your Cushitic heritage, consistent with your Oromo identity. The Rendille share linguistic and genetic ties with other Cushitic groups in the Horn of Africa, including the Oromo.

- Eritrean (13.20%) - This likely reflects ancestry from populations in Eritrea, such as the Tigrinya or Saho. Eritrean populations are genetically close to northern Ethiopian groups and may share common ancestry with both Cushitic and Semitic speakers.

- Ethiopian_Jew (12.29%) - This refers to the Beta Israel community, who are believed to descend from ancient Jewish

or Israelite populations that settled in Ethiopia. Genetically, they are similar to other Ethiopian highland populations, so this component may overlap with your Amhara-related ancestry.

- Sengwer (3.86%) - The Sengwer are an indigenous group from western Kenya. This small percentage could indicate ancient East African hunter-gatherer ancestry or shared regional ancestry with other Nilotic or Cushitic-speaking populations.

- Georgian_Guria (1.11%) - This is a small trace component from the Caucasus region. It may represent ancient Eurasian admixture, possibly introduced through historical migrations or trade routes connecting the Middle East and the Horn of Africa. Alternatively, it could be a statistical artifact or noise, depending on the resolution of the test.

4. Summary:

- Your genetic profile reflects a deep-rooted East African ancestry, especially from the Ethiopian highlands and Cushitic-speaking populations. - The large Amhara component suggests significant ancestry from highland Ethiopia, which is not unusual for Oromo individuals, especially from regions with historical interaction between Oromo and Amhara populations. - Your haplogroups (E-Y205079 and L0a1c1) are both consistent with East African and Cushitic-speaking populations, supporting your Oromo heritage. - The Rendille and Eritrean components reinforce your Cushitic and Horn of Africa background. - The small Georgian component is likely ancient or minor Eurasian admixture.

In essence, your genetic makeup reflects the complex population history of the Horn of Africa, where Cushitic, Semitic, and Nilotic-speaking peoples have interacted for millennia. Your Oromo identity is fully consistent with this diverse yet regionally rooted ancestry.

Your ancient break down is :

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

Fit :	0.011115132016564467
Cushitic*(2000*BC-AD*600) :	55.99 %
Arabian*Peninsula :	20.43 %
Sub-Saharan*African :	8.24 %
Savanna*Pastoral*Neolithic*(2000*BC-AD*600) :	6.03 %
Nubian*(AD*660-960) :	5.08 %
Nilo-Saharan :	4.12 %

Your Ancient Breakdown Interpretation (by OpenAI) :

Interpreting your ancient ancestry breakdown alongside your haplogroups and Oromo heritage offers a fascinating window into your deep genetic and cultural history. Let's break it all down step by step:



1. Your Haplogroups:

Paternal Line: E-Y205079 (a subclade of E1b1b) - This lineage is common in East Africa and is particularly associated with Cushitic-speaking populations, including the Oromo. - E1b1b is believed to have originated in East/Northeast Africa and expanded during the Neolithic and later periods, often linked to the spread of Afroasiatic languages.

Maternal Line: L0a1c1 - L0 lineages are among the oldest mitochondrial haplogroups, with origins in East Africa. - L0a1c1 is found in East and Central Africa and is associated with ancient Sub-Saharan African populations, particularly those with deep roots in the region.

2. Ancient Ancestry Breakdown (with interpretation):

Cushitic (2000 BC–AD 600) — 55.99% - This is your dominant ancestral component and aligns closely with your Oromo identity. - The Oromo are Cushitic-speaking people, and this component reflects the deep roots of Cushitic ancestry in the Horn of Africa. - This time frame covers the Bronze Age through the early medieval period, when Cushitic societies were well established in the region.

Arabian Peninsula — 20.43% - This likely reflects ancient gene flow from the Arabian Peninsula into the Horn of Africa, especially across the Red Sea. - Historical migrations, trade, and the spread of Semitic languages (like the arrival of South Arabian peoples and later Islamic expansion) contributed to this ancestry. - It may also reflect older shared ancestry between populations of the Horn and southern Arabia.

Sub-Saharan African — 8.24% - This component likely represents gene flow from Bantu-speaking or other Sub-Saharan populations. - It could also be tied to the maternal haplogroup L0a1c1, reflecting deep African ancestry that predates more recent population movements.

Savanna Pastoral Neolithic (2000 BC–AD 600) — 6.03% - This refers to ancient pastoralist populations in East Africa who practiced cattle herding and lived in savanna regions. - These people are thought to be early Afroasiatic speakers or their neighbors, and their DNA is often found in East African populations today. - This component reflects the mixing of early herding cultures in the region.

Nubian (AD 660–960) — 5.08% - This may reflect contact with or ancestry from Nubian populations during the early Islamic period. - Nubia was a major cultural and political center along the Nile, and its influence extended into parts of Ethiopia and Eritrea. - This component suggests some gene flow from Nilotic or Northeast African civilizations to your ancestors during the early medieval period.

Nilo-Saharan — 4.12% - This represents ancestry from populations speaking Nilo-Saharan languages, usually found to the west and south of Cushitic speakers. - It reflects historical interactions, possibly through trade, intermarriage, or shared pastoral lifestyles.

3. Summary:

Your genetic ancestry reflects a deep and complex history rooted in the Horn of Africa. The dominant Cushitic component aligns with your Oromo identity, while the Arabian Peninsula and Nubian components point to ancient migrations and interactions across the Red Sea and Nile Valley. The Sub-Saharan, Savanna Pastoral Neolithic, and Nilo-Saharan elements show that your ancestors were part of a dynamic, interconnected region where people moved, traded, and married across language and cultural lines.

In short: - You are primarily descended from ancient Cushitic-speaking pastoralists. - Your ancestry includes layers of older African roots (L0a1c1), regional mixing with neighboring pastoral and agricultural peoples, and contacts with Arabian and Nubian civilizations. - This reflects the rich tapestry of human history in East Africa—a crossroads of Africa and the Middle East.

Let me know if you'd like maps, timelines, or more detail on any specific component!

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.

Oromo_Ethiopia	0.0264599650764424
Beta_Israel_(Ethiopian_Jew)	0.0297265433246467
Ethiopian_Jew	0.0297268894605541
Amhara	0.0350979307423022
Ethiopian_Amhara	0.035097982192713
Ethiopian_Agaw	0.0381280945104788
Agaw	0.0381286479566218
Afar_Ethiopia	0.0415291628625412
Ethiopian_Afar	0.0415294559800631
Sudanese_Arab_Shaigia	0.042627854590448
Nubian_Danagla	0.0438105900213636
Sudan_Arab_Kababish	0.0465742327902457
Ethiopian_Tigray	0.0466800043380461
Tigray_Ethiopia	0.0466802506942539
Tigrinya_Eritrea	0.0479175120528201
Nubian_Nobiin_Mahas	0.0489700582650808
Somali_Somaliland	0.0502847760452845

Somali	0.0526811716840087
Sudanese_Arab_Ja'alin	0.0543831085716621
Saho_Eritrean	0.0552169997736204
Saho_Eritrea	0.0552170061229873
Beja_Hadendowa	0.0559177794851117
Somali_Somalia	0.0566935884607452
Eritrean	0.0567064564137101
Somali_Ethiopia	0.0626927661157968
Ethiopian_Wolayta	0.0670580759193104
Wolayta	0.0670585430029201
Baggara_Arab_Chad_A	0.0675661632623904
Somali_Kenya	0.0682403299230008
Baggara_Chad_A	0.0682691901873705
Sudanese_Arab_Kababish	0.078753212799295
Nubian_Nobiin_Halfawi	0.080121511039171
Beja_Beni-Amer	0.083960061780213
Rendille	0.0881218622817289
Afro-Kuwaiti	0.0895096932338773
Iraqw	0.110319630419976
Sudanese_Arab_Batahin	0.114891343430953
Baggara_Sudan	0.129852598696318
Swahili_Zanzibar	0.130265362790728
Algerian_Arab_Algers_(Intermediate_Hartani_Profile)	0.132464063152993
Tunisian_Arab_Douz_(Intermediate_Shwashin_Profile)	0.137019417988838
Libyan_Arab_(Intermediate_Shwashin_Profile)	0.143302659723224
Swahili_Kenya_Tchundwa	0.144313895059465
Datog	0.145436046305584
Berber_Morocco_Shilha_Tiznit_(Intermediate_Hartani_Profile)	0.145897852841466
Berber_Morocco_Central_Atlas_Tamazight_Errachidia_(Intermediate_Hartani_Profile)	0.14841713349206
Berber_Algeria	0.15127882379236
Tunisian_Arab_(Intermediate_Shwashin_Profile)	0.154722044569447
Berber_Morocco_Shilha_Ouarzazate_(Intermediate_Hartani_Profile)	0.156624847093341
Swahili_Kenya_Ndau	0.158552822138875

Closests modern populations (by OpenAI) :

To interpret your Neolithic ancestry breakdown in the context of your haplogroups and Oromo heritage, we need to consider several layers: your paternal (Y-DNA) and maternal (mtDNA) haplogroups, your ethnic background (Oromo), and the population similarity scores you've provided (likely from a genetic distance analysis such as G25 or similar).



Let's break it down step by step:

1. Haplogroups: Deep Ancestry

- Paternal: E-Y205079 - This is a subclade of haplogroup E1b1b (E-M215), which is common in Northeast Africa, the Horn of Africa, and parts of the Near East. - Specifically, E-Y205079 is found in populations of the Horn of Africa, including among Cushitic-speaking groups like the Oromo. It likely reflects a lineage that has been in the region for thousands of years, possibly since the Neolithic or earlier. - Maternal: L0a1c1 - Haplogroup L0 is one of the oldest mtDNA lineages in humans and is primarily found in Sub-Saharan Africa. - L0a1c1 is commonly found in East Africa, particularly among Afroasiatic-speaking populations. It may reflect ancient East African maternal ancestry.

Together, these haplogroups suggest deep-rooted ancestry in East Africa, particularly the Horn region.

2. Ethnic Identity: Oromo

The Oromo are a Cushitic-speaking ethnic group primarily found in Ethiopia and parts of Kenya. They are among the largest ethnic groups in the Horn of Africa and have a complex genetic makeup due to their geographic location and historical interactions.

Oromo people typically show a mix of:

- Ancient East African ancestry (related to Nilo-Saharan and older African populations) - Cushitic-speaking Neolithic pastoralist ancestry (from the Horn of Africa) - Some West Asian/Levantine influence (from ancient back-migrations into the Horn)

3. Neolithic Breakdown: Interpreting the Similarity Scores

The numbers you've provided appear to be genetic distance scores or similarity scores — the lower the number, the closer your genetic profile is to that population.

Your closest matches are:

- Oromo_Ethiopia (0.026) - Beta Israel / Ethiopian Jew (0.0297) - Amhara / Agaw / Afar (0.035–0.041) - Sudanese Arabs, Nubians, Tigrayans, Somalis, Saho, Beja (0.04–0.06)

This pattern indicates:

Strongest affinity to: - Oromo people (as expected) - Other Ethiopian populations like Beta Israel (Ethiopian Jews), Amhara, Agaw, Afar - These groups share a common East African and Cushitic-speaking heritage.

Moderate affinity to: - Sudanese Arabs, Nubians, Tigrayans, Eritreans, Beja, Somali - These populations are from the broader Northeast African and Horn of Africa region, reflecting shared ancestry from Neolithic pastoralists and Nilotic-related populations.

Weaker affinity to: - North African Berbers and Arabs (Algeria, Tunisia, Morocco, Libya) - Swahili Coast populations (Kenya, Zanzibar) - Afro-Kuwaitis, Iraqw, Datog - These reflect more distant relationships, possibly through ancient migrations or shared Afroasiatic ancestry.

4. Neolithic Implications

Your genetic profile suggests that your ancestry is rooted in:

- Indigenous East African hunter-gatherers (deep L0 mtDNA lineages) - Neolithic pastoralists of the Horn of Africa (E1b1b Y-DNA, Cushitic-speaking) - Some admixture with populations from the Nile Valley (Nubians, Sudanese Arabs) - Minor back-migration influences from the Near East (likely thousands of years ago)

This aligns with what we know about the Neolithic in East Africa:

- The Neolithic in the Horn of Africa was marked by the spread of pastoralism and agriculture. - Populations like the Agaw, Afar, and Oromo descend from these early pastoralists. - There was gene flow from the Nile Valley and the Arabian Peninsula into the Horn during the Neolithic and later periods.

Summary:

- Your paternal haplogroup (E-Y205079) and maternal haplogroup (L0a1c1) point to deep East African roots, especially within the Horn. - Your closest genetic affinities are with Oromo and other Ethiopian populations, reflecting a shared Neolithic heritage. - Your genetic makeup includes components from early East African foragers, Neolithic Cushitic pastoralists, and some Nile Valley and West Asian ancestry. - This is typical for Oromo people and other Horn of Africa populations, who have a unique blend of ancient African and Afroasiatic-related ancestry.

If you're interested in a more detailed breakdown (e.g., percentages of ancient components like "East African Forager," "Neolithic Pastoralist," "Levantine Farmer"), tools like G25 coordinates with ancient DNA references or services like DNA Land, MyTrueAncestry, or HarappaWorld can provide deeper insights.

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.

82% Ethiopian_Amhara + 18% Datog	0.0146290137694127
89% Ethiopian_Amhara + 11% Sengwer	0.0146969045707897
86% Ethiopian_Amhara + 14% Masai	0.0147806712964851
86% Ethiopian_Amhara + 14% Ogiek	0.0149452519576774
90% Ethiopian_Amhara + 10% Ethiopian_Mursi	0.0151262766239951
73% Ethiopian_Amhara + 27% Rendille	0.0151314962469316
92% Ethiopian_Amhara + 8% Ethiopian_Anuak	0.0151949988266668
92% Ethiopian_Amhara + 8% Dinka	0.0152293791034201
90% Ethiopian_Amhara + 10% Ethiopian_Gumuz	0.0153047644124244
92% Ethiopian_Amhara + 8% Sudanese	0.0154169315998149
85% Ethiopian_Amhara + 15% Elmololo	0.015720501277738
88% Ethiopian_Jew + 12% Ogiek	0.0157401842498867

85% Ethiopian_Jew + 15% Datog	0.0159853149692756
89% Ethiopian_Jew + 11% Masai	0.0160135494573017
91% Ethiopian_Jew + 9% Sengwer	0.0161391759723542
93% Ethiopian_Jew + 7% Sudanese	0.0161621492983678
68% Ethiopian_Amhara + 32% Somali_Kenya	0.016164664751656
93% Ethiopian_Jew + 7% Dinka	0.016197184825703
87% Ethiopian_Jew + 13% Elmololo	0.0162122608500386
78% Ethiopian_Amhara + 22% Iraqw	0.0162341382914987
93% Ethiopian_Jew + 7% Ethiopian_Anuak	0.0162419577362344
91% Ethiopian_Jew + 9% Kikuyu	0.0162784470571542
73% Eritrean + 27% Datog	0.0165068115738993
92% Ethiopian_Jew + 8% Bulala	0.0165517280062565
83% Somali_Kenya + 17% Yemenite_Ma'rib	0.0166239540213082
94% Ethiopian_Jew + 6% Luo	0.0166251849738626
92% Ethiopian_Jew + 8% Ethiopian_Mursi	0.0166261977485863
92% Ethiopian_Jew + 8% Ethiopian_Gumuz	0.0166842208225442
94% Ethiopian_Jew + 6% Bantu_Kenya	0.0168891002378455
62% Eritrean + 38% Rendille	0.0169435303794348
85% Ethiopian_Tigray + 15% Sengwer	0.0169467186382788
94% Ethiopian_Jew + 6% Luhya_Kenya	0.0169514964839522
83% Somali_Kenya + 17% Yemenite_Jew	0.0169777164109431
82% Ethiopian_Jew + 18% Iraqw	0.017008633560094
83% Somali_Kenya + 17% Yemenite_Dhamar	0.0171587356114423
82% Eritrean + 18% Sengwer	0.017160143166245
67% Ethiopian_Tigray + 33% Rendille	0.0171998741447372
86% Ethiopian_Amhara + 14% Ethiopian_Ari_blacksmith	0.0172340648565907
67% Eritrean + 33% Iraqw	0.0172368892341959
78% Ethiopian_Jew + 22% Rendille	0.0172446421774469
55% Ethiopian_Oromo + 45% Ethiopian_Amhara	0.0172703703947874
79% Eritrean + 21% Masai	0.0172958274851548
83% Somali_Kenya + 17% BedouinB	0.0173130077549494
68% Ethiopian_Amhara + 32% Ethiopian_Wolayta	0.0173261472776756
94% Ethiopian_Jew + 6% Mada	0.01732621406746

55% Eritrean + 45% Somali_Kenya	0.0173519157712783
77% Ethiopian_Tigray + 23% Datog	0.0173530636416795
83% Somali_Kenya + 17% Yemenite_AI_Jawf	0.0174164451290044
85% Ethiopian_Amhara + 15% Ethiopian_Ari_cultivator	0.0174335530546576
82% Ethiopian_Tigray + 18% Ogiek	0.0174375414551887
84% Somali_Kenya + 16% Saudi	0.0174475840116704

Your Closests 2Ways interpretation (by OpenAI) :

The list you've provided appears to be results from a genetic admixture modeling tool, possibly from a service like G25 (Global25), which uses two-way population modeling to estimate your ancestry composition by comparing your DNA to reference populations. Here's how to interpret it, especially in the context of your Oromo identity and your haplogroups:



What is "Closests 2Ways"?

"Closest 2Ways" refers to the best-fitting combinations of two reference populations that approximate your genetic profile. Each line shows:

- A percentage breakdown between two populations (e.g., 82% Ethiopian_Amhara + 18% Datog) - A distance score (e.g., 0.0146), which indicates how closely the model fits your DNA. Lower is better — it means the model is a closer match.

Your Haplogroups:

- Paternal: E-Y205079 — This is a subclade of haplogroup E1b1b1, which is common in East Africa and the Horn of Africa, especially among Cushitic-speaking groups like the Oromo. - Maternal: L0a1c1 — This is a mitochondrial DNA haplogroup found in East Africa, especially among Nilotic and Cushitic populations.

Both haplogroups are consistent with East African ancestry, particularly in Ethiopia and surrounding regions.

You Mentioned You Are Oromo

The Oromo are a Cushitic-speaking ethnic group native to Ethiopia and parts of Kenya. Genetically, Oromo people tend to show a mix of:

- Cushitic-related ancestry (shared with Somali, Afar, and parts of Amhara) - Highland East African ancestry (shared with Amhara, Tigray, etc.) - Some Nilotic influence (from groups like Anuak, Gumuz, or South Sudanese groups)

Interpreting the Results

Let's break it down:

1. Top Matches: - 82% Ethiopian_Amhara + 18% Datog (distance: 0.0146) - 89% Ethiopian_Amhara + 11% Sengwer (distance: 0.0147) - 86% Ethiopian_Amhara + 14% Masai (distance: 0.0148)

These combinations suggest your DNA is closely modeled as mostly Ethiopian_Amhara with a smaller contribution from Nilotic or Southern Cushitic groups like Datog, Sengwer, Masai, Ogiek, etc.

2. Oromo-Specific Model: - 55% Ethiopian_Oromo + 45% Ethiopian_Amhara (distance: 0.01727)

This model directly includes Oromo as one of the components. While the distance is slightly higher than the top models, it still supports your Oromo identity. The higher Amhara percentage may reflect shared ancestry or gene flow between

neighboring highland and lowland groups.

3. Somali_Kenya and Eritrean Models: - Several models include Somali_Kenya, Eritrean, and Ethiopian_Jew, which are genetically close to the Oromo but reflect different historical and regional interactions.

4. What Do the Nilotic Components Mean? - Groups like Datog, Sengwer, Anuak, and Dinka represent Nilotic ancestry. Their presence in your models implies some Nilotic admixture, which is common in southern and western Oromo populations due to historical interactions.

Summary:

- Your DNA is best modeled as predominantly Ethiopian_Amhara-like with a significant minority component from Nilotic or Southern Cushitic groups. - The Oromo-specific model (55% Oromo + 45% Amhara) confirms your Oromo heritage, even if it's not the absolute closest fit. - Your haplogroups (E-Y205079 and L0a1c1) are typical for East Africans, especially Cushitic-speaking populations like the Oromo. - The presence of groups like Datog, Sengwer, and Masai suggests some southern or Nilotic influence, which is consistent with the diversity within Oromo populations.

Final Thought:

These models are approximations based on available reference populations. Ethnic identity is shaped by culture, language, and history—not just genetics. Your Oromo identity is fully supported by your genetic background, even if the closest models use neighboring groups for technical reasons.

If you'd like a more personalized breakdown or visualizations (like PCA plots or admixture graphs), you could explore your data further using tools like G25 on Vahaduo or other genetic genealogy platforms.

Your ancient map :

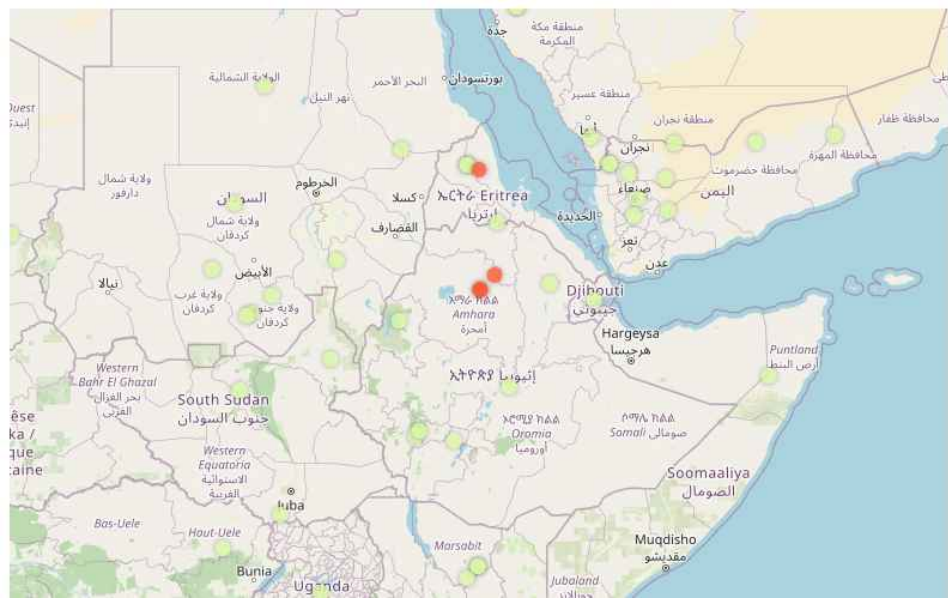
How to interpret ? This map is trying to break your ancient ancestry and display on a map.



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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Conclusion (by OpenAI):

Based on the comprehensive genetic breakdown you've provided — including haplogroups, ancient and modern ancestry components, and population comparisons — we can draw a detailed picture of your genetic heritage as an Oromo individual with paternal haplogroup E-Y205079 and maternal haplogroup L0a1c1.



1. Haplogroups:

- Paternal: E-Y205079 is a subclade of haplogroup E1b1b, which is widely found in Northeast Africa and the Horn of Africa. It is particularly common among Cushitic-speaking populations, including the Oromo. This lineage likely reflects deep East African and Afroasiatic roots, possibly tied to the Neolithic expansion and pastoralist cultures in the region.
- Maternal: L0a1c1 is a lineage of haplogroup L0, one of the oldest mitochondrial haplogroups in humanity, tracing back to East or Southern Africa. L0a1c1 is found among various Sub-Saharan African populations and reflects ancient maternal ancestry with deep African origins.

2. Neolithic Ancestry Breakdown:

- Levant_PPNB (41%): This significant component suggests gene flow from the early Neolithic Levant (modern-day Israel, Palestine, Syria, Jordan). This likely reflects ancient Afroasiatic migrations or back-migrations from the Near East into East Africa during the Neolithic period.

- Dinka (37%): A substantial portion of your ancestry is related to Nilotic populations, such as the Dinka of South Sudan. This reflects a strong indigenous East African component, particularly from Nilo-Saharan-speaking pastoralists.

- ETH_4500BP (12%): This component represents ancient Ethiopian ancestry from about 4,500 years ago, likely tied to early Cushitic-speaking agriculturalists or pastoralists in the Horn of Africa.

- MAR_Taforalt (6.5%): This North African component from the Iberomaurusian culture in Morocco (~15,000 years ago) suggests ancient North African gene flow, possibly via trans-Saharan or Nile corridor routes.

- IRN_Ganj_Dareh_N (3%): A minor but notable signal from Neolithic Iran, which may reflect ancient West Asian ancestry that entered East Africa through the Arabian Peninsula or Levant.

3. Ancient Ancestry Profile:

- Cushitic (56%): The dominant ancestry component, consistent with your Oromo identity, which is part of the Cushitic branch of the Afroasiatic language family. This reflects continuity with ancient Cushitic-speaking populations of the Horn of Africa.

- Arabian Peninsula (20%): Indicates ancient gene flow from the Arabian Peninsula, likely due to millennia of contact across the Red Sea. This may also correlate with the Levant_PPNB and IRN_Ganj_Dareh_N signals.

- Sub-Saharan African (8%) and Nilo-Saharan (4%): These components align with the Dinka-related ancestry and reflect indigenous East African populations.

- Savanna Pastoral Neolithic (6%) and Nubian (5%): These reflect ancient pastoralist and Nile Valley interactions, important in the ethnogenesis of Horn of Africa peoples.

4. Modern Genetic Affinities:

Your closest modern populations are Oromo, Beta Israel (Ethiopian Jews), Amhara, Agaw, and Afar — all primarily Afroasiatic-speaking groups from Ethiopia and Eritrea. This confirms your strong genetic ties to the Horn of Africa, particularly to Cushitic and Semitic-speaking Ethiopian populations.

Notably, your genetic distance to Oromo_Ethiopia is extremely low (0.026), indicating a very close match and confirming your Oromo identity genetically.

5. Two-Way Admixture Models:

The best-fitting models suggest that your genome can be modeled as approximately:

- 82–90% Ethiopian_Amhara (a Semitic-speaking group with deep connections to ancient Cushitic populations) - 10–18% from various Nilotic or Southern Cushitic groups such as Datog, Sengwer, Masai, Ogiek, or Rendille

This implies you are genetically closest to a blend of highland Afroasiatic-speaking Ethiopians and lowland or southern Nilotic/Cushitic pastoralist groups. This pattern is typical for many Oromo individuals, especially those whose ancestors may have lived in transitional ecological zones (e.g., Rift Valley, southern Ethiopia, or borderlands with Kenya).

6. Interpretation and Conclusion:

Your genetic profile reflects a classic Horn of Africa ancestry with deep Cushitic roots, consistent with your Oromo identity. The high Cushitic component, along with significant Levantine Neolithic ancestry, suggests a long-standing Afroasiatic presence in your lineage, reinforced by ancient gene flow from the Near East.

The substantial Dinka-related and minor Nilotic/Savanna Pastoral components indicate interactions with indigenous East African populations, likely through pastoralism, intermarriage, and shared ecological zones.

Your paternal haplogroup E-Y205079 and maternal L0a1c1 further support a long-standing East African heritage, with the former tracing to Afroasiatic expansions and the latter to ancient Sub-Saharan African maternal lines.

In summary, you are genetically a typical Oromo individual — a Cushitic-speaking East African with deep roots in the Horn of Africa, enriched by ancient interactions with both Nilotic and West Asian populations. Your genome tells a story of continuity, migration, and cultural synthesis in one of the most genetically diverse regions of the world.