

We improved our analysis and your results may have changed. We improved our analysis to better identify Neanderthal ancestry in non-European populations, and your results may have changed.

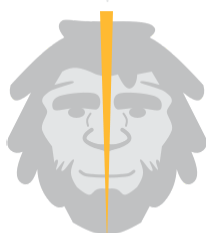
[Learn more](#)

**Hey Tuomas!**

**You have more Neanderthal DNA than 99% of other customers.**

Neanderthals were prehistoric humans who interbred with modern humans before disappearing around 40,000 years ago.

### What does this mean?



**You have <2%  
Neanderthal DNA**

You inherited a small amount of DNA from your Neanderthal ancestors. Out of the 2,872 variants we tested, we found **331 variants** in your DNA that trace back to the Neanderthals.

All together, your Neanderthal ancestry accounts for less than **~2 percent of your DNA**.

### You have Neanderthal DNA that may influence your traits

This report highlights associations between your Neanderthal variants and your traits, but it does not explore how other factors may be involved – such as your many other DNA variants, your environment, or your lifestyle.



You have 1 variant associated with  
**having a worse sense of direction.**



You have 1 variant associated with  
**being less likely to have a fear of heights.**

[See all possible traits](#)

### Neanderthal Facts



## What does Neanderthal mean?



nee·an·dr·taal



The word “Neanderthal” is a nod to a 17th-century German theologian named Joachim Neander and the secluded valley (Thal) he loved to visit. Nearly 200 years after Neander’s death, peculiar bones were found in the valley – initially believed to belong to a human with bone deformities (it was, in fact, a Neanderthal). It wasn’t until 1886, when two nearly complete Neanderthal skeletons were found in Belgium, that the scientific community recognized the remains for what they were – a unique flavor of human.



## What did Neanderthals look like?

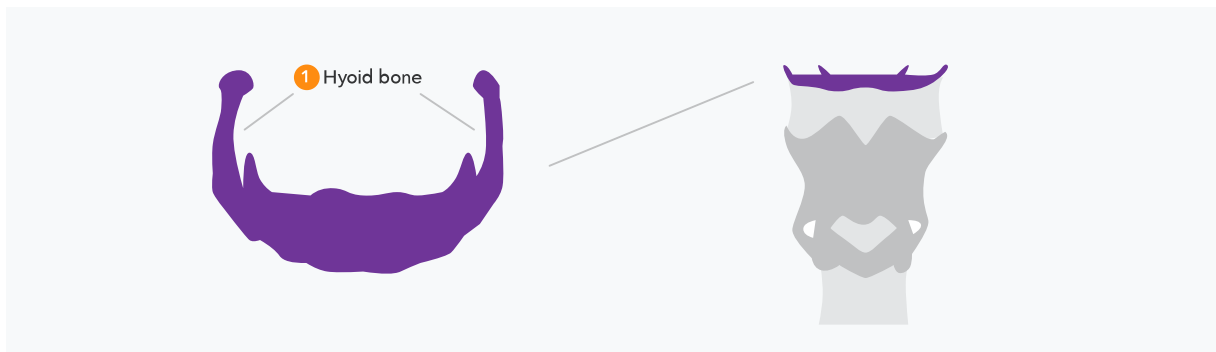


Neanderthals were similar to modern humans in many ways, but their skeletal remains reveal a handful of differences, particularly in the face and head. Where modern humans have a relatively flat face and round skull, Neanderthals had a sloping forehead, elongated skull, heavy brow ridge, projecting midface, and almost no chin. Neanderthals also had a more robust body with a “barrel-shaped” chest and thicker bones.

Fun fact: the tallest Neanderthal ever found was around 5’10” – a whopping five inches taller than the average Neanderthal male.



### Could Neanderthals talk?



In 1983, a Neanderthal skeleton was found in Israel, and one bone in particular drew the attention of archaeologists and linguists around the world: the delicate, U-shaped hyoid. In humans, the hyoid bone allows for a wide range of sounds required for speech, and the Neanderthal hyoid bone looked human, suggesting Neanderthals were able to talk. Neanderthals also had a nearly-human version of FOXP2, a gene known to be critically important for normal speech and language. The jury's still out on whether Neanderthals could talk, but the evidence speaks volumes.



### Were Neanderthals intelligent?



While they may have looked a little different, Neanderthals were probably a lot like us. They tended to have slightly larger brains than modern humans, and shared many of our capabilities. They made fire. They used tools and they could probably speak. There's also evidence that they created jewelry and art. For example, the earliest European art – red-pigment paintings that decorate the walls of caves throughout the continent's southwest – may have been created by Neanderthals 20,000 years before modern humans arrived in Europe.



## Who has Neanderthal ancestry today?

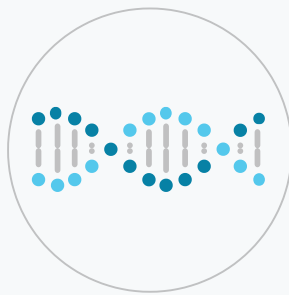


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European, Asian, and indigenous American populations today have between 1-2 percent Neanderthal DNA, but Sub-Saharan African populations have significantly less. While Neanderthal remains have been found close to Africa there is no evidence that Neanderthals ever called the continent home.



## What about Denisovans?



We've known about Neanderthals for over a century. But did you know there was at least one other population of archaic humans who interbred with our ancestors? Meet the Denisovans. Bone fragments unearthed in Siberia and Tibet are the only remains ever found belonging to the Denisovans. After their genome was sequenced in 2015, scientists learned that Denisovan ancestry is found in modern humans, reaching 5 percent in some Oceanian populations. However, Denisovan ancestry remains very low in most other groups – typically far less than 0.1 percent. The studies of Denisovan DNA also revealed they were more closely related to Neanderthals than to modern humans.

## You're tied for most Neanderthal DNA!

Connect with your friends and family to find out who has the most Neanderthal DNA.

1

**Tuomas Liikala**

more than 99% of customers

1

**S. K. Perttunen**

more than 99% of customers

1

**Jenni Seibel**

more than 99% of customers

4

**Brittany Jackson**

more than 98% of customers

5

JW

**Joonas Wahlberg**

more than 97% of customers

6

**Tiina Kivivuori**

more than 96% of customers

7

JK

**Jouni Kivivuori**

more than 93% of customers

7

RR

**Ritva Repo**

more than 93% of customers

7

**Bo Sundqvist**

more than 93% of customers

10

EK

**Elisa Kallioniemi**

more than 92% of customers

10

EP

**Eric Perkins**

more than 92% of customers

**Raili McDonough**

more than 91% of customers

12

**Marianne Georgsson Olin**

more than 89% of customers

13

MG

13

EL

**Elaine Lee**

more than 89% of customers

13

**J. E. Perttunen**

more than 89% of customers

13

**Genevieve Zasada**

more than 89% of customers

17

**Laura Syväoja**

more than 82% of customers

18

**Lisa Spirko**

more than 81% of customers

19

**Karen Shepard**

more than 80% of customers

19

**T. M. Visuri**

more than 80% of customers

21

**linda linthicum**

more than 79% of customers

22

**Marja Pirttivaara**

more than 77% of customers

23

**Anttu Koski**

more than 73% of customers

24

**Seija Sekhon**

more than 64% of customers

25

**Pirkko Laakso**

more than 62% of customers

26

**Jaakko Karas**

more than 61% of customers

27

**Linda Mullola-Henri**

more than 59% of customers

28

KC

**Kathleen Chambless**

more than 58% of customers

29

**Arleen Churan-Morrissey**

more than 56% of customers

29

KM

**Katrina Martin**

more than 56% of customers

31

**Denise Ryles**

more than 55% of customers

32

HS

**Harri Salimäki**

more than 51% of customers

32

LV

**Lori VanCamp**

more than 51% of customers

34

TT

**Timo Toukoloehto**

more than 47% of customers

35

**Kathleen Strehl Swineford**

more than 44% of customers

35

MT











**Maija Toukolehto**

more than 44% of customers

37

**Karinka Maria**

more than 42% of customers

38	ML	<b>Meeri Luhtala</b> more than 41% of customers
39		<b>Joel Kumpulainen</b> more than 39% of customers
39		<b>Risto Laakso</b> more than 39% of customers
41		<b>Jari Jaanto</b> more than 38% of customers
41		<b>Ville Korpi</b> more than 38% of customers
43	MU	<b>megan uhelski</b> more than 37% of customers
44		<b>Luke Haukioja</b> more than 34% of customers
44		<b>Petri Numminen</b> more than 34% of customers
46		<b>Joel Kiskola</b> more than 29% of customers
47		<b>Mary Kielek</b> more than 21% of customers
48		<b>Matti Saari</b> more than 20% of customers
49	KA	<b>Kari Antila</b> more than 19% of customers
50		<b>Marie P</b> more than 14% of customers



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