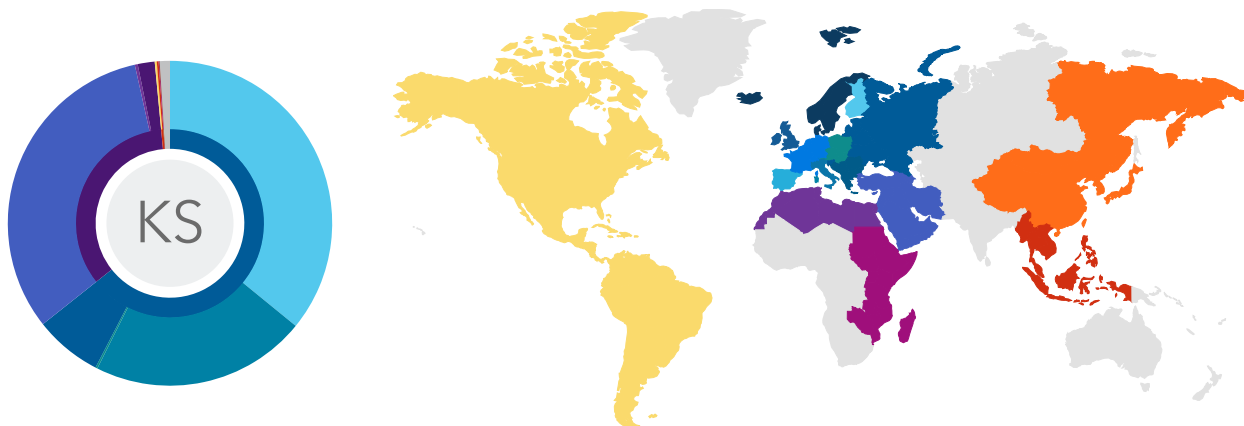


Ancestry Composition

Ancestry Composition tells you the proportion of your DNA that comes from each of 31 populations worldwide. This analysis considers DNA you received from all of your ancestors on both sides of your family. The results reflect where your ancestors lived 500 years ago before ocean-crossing ships and airplanes came on the scene.



Kian Sheik

100%

European 64.3%

Northwestern European	35.9%
British & Irish	11.9%
French & German	7.1%
Scandinavian	2.2%
Broadly Northwestern European	14.7%
Southern European	21.5%
Italian	8.0%
Balkan	1.0%
Iberian	0.2%
Broadly Southern European	12.3%
Ashkenazi Jewish	0.2%
Broadly European	6.7%

Middle Eastern & North African 34.2%

Middle Eastern	32.2%
North African	0.3%
Broadly Middle Eastern & North African	1.7%

East Asian & Native American 0.4%

Native American	0.2%
East Asian	< 0.1%
Broadly East Asian	< 0.1%
Broadly East Asian & Native American	0.2%

Sub-Saharan African 0.1%

East African	0.1%
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Unassigned 1.0%

Stories of Your Ancestors

European

Much of Europe was buried under miles of ice ten thousand years ago. As the glaciers receded over millennia, Neolithic farmers from the Near East joined Paleolithic hunter-gatherers to settle Europe.

Northwestern European

Northwestern Europeans are represented by people from as far west as Ireland, as far north as Norway, as far east as Finland, and as far south as France. These countries rim the North and Baltic Seas, and have been connected throughout much of history by those waters.

British & Irish

When modern humans first arrived in the regions now known as Great Britain and Ireland tens of thousands of years ago, these two regions were physically joined to one another. Today the people of the islands of Great Britain and Ireland descend from Celtic, Saxon, and Viking ancestors.

French & German

Connected to the British Isles, Scandinavia, southern Europe and eastern Europe, France and Germany have seen myriad peoples come and go over the last ten thousand years. Genetically and geographically the French and Germans are at the heart of Europe.

Scandinavian

The earliest people of Scandinavia hunted reindeer and seals and fished for salmon. By 4000 years ago these hunter/gatherers had been joined by cattle herders from the south. Although at the northwestern periphery of Europe, Scandinavia has never been completely isolated from peoples to the south and east.

Southern European

Southern Europe, including the Iberian, Italian, and Balkan peninsulas as well as the island of Sardinia, is a region defined in great part by the Mediterranean Sea. The Mediterranean has provided transportation routes, keeping these regions connected.

Italian

The peninsula of Italy is home to a genetic legacy not only of the Roman Empire, but also of groups from both Northern Europe and the eastern Mediterranean that occupied Italy at various points in its history.

Balkan

Located in the southeastern corner of Europe, the mountainous Balkans are rich in both cultural and linguistic diversity.

Iberian

The peninsula of Iberia is represented by the people of Spain and Portugal. Genetically these people have a deep connection to the rest of Europe, but have also been influenced by their proximity to North Africa.

Ashkenazi Jewish

Ashkenazi Jews are thought to have settled in Central and Eastern Europe about 1,000 years ago. DNA shows clearly the connections among those who consider themselves to be Ashkenazi Jewish: two Ashkenazi Jewish people are very likely to be "genetic cousins", sharing long stretches of identical DNA.

Middle Eastern & North African

The peoples of Northern Africa and the Middle East have not only genetic but also deep linguistic connections with one another.

Middle Eastern

The Middle East, represented here by people of Turkey, Iran, the Caucasus and the Levant, is an important crossroads in human history. Genetically the people of this region reflect that role, with connections to neighbors in every cultural, linguistic, and geographic direction.

North African

Over the last several millennia the Sahara has been a significant geographic barrier for the people of Africa. Although trade routes between the northern and southern parts of the continent have long existed, Northern Africa has been strongly influenced by people of the Middle East and southern Europe.

East Asian & Native American

The peoples of East Asia and the Americas have a shared genetic history. Their common ancestors left the Near East as early as 80,000 years ago, migrating across Asia. The ancestors of Native Americans began to cross into the Americas 12,000 to 15,000 years ago.

Native American

Native peoples of the Americas have contributed genetically to today's populations in North, Central, and South America. In North America, however, Native American ancestry tends to be five or more generations back, so that little DNA evidence of this ancestry remains.

East Asian

Eastern Asia encompasses Japan, Korea, China, Mongolia and the Yakut people of eastern Russia. The people of Northeastern Asia most likely arrived using a different, later route than the settlers of Southeastern Asia. They eventually crossed Beringia 12-15,000 years ago to become the ancestors of Native Americans.

Sub-Saharan African

The genetic diversity of Sub-Saharan Africa reflects both the deep history of humans in the region and the recent migrations that have carried the diversity of western Africa to both southern and eastern Africa.

East African

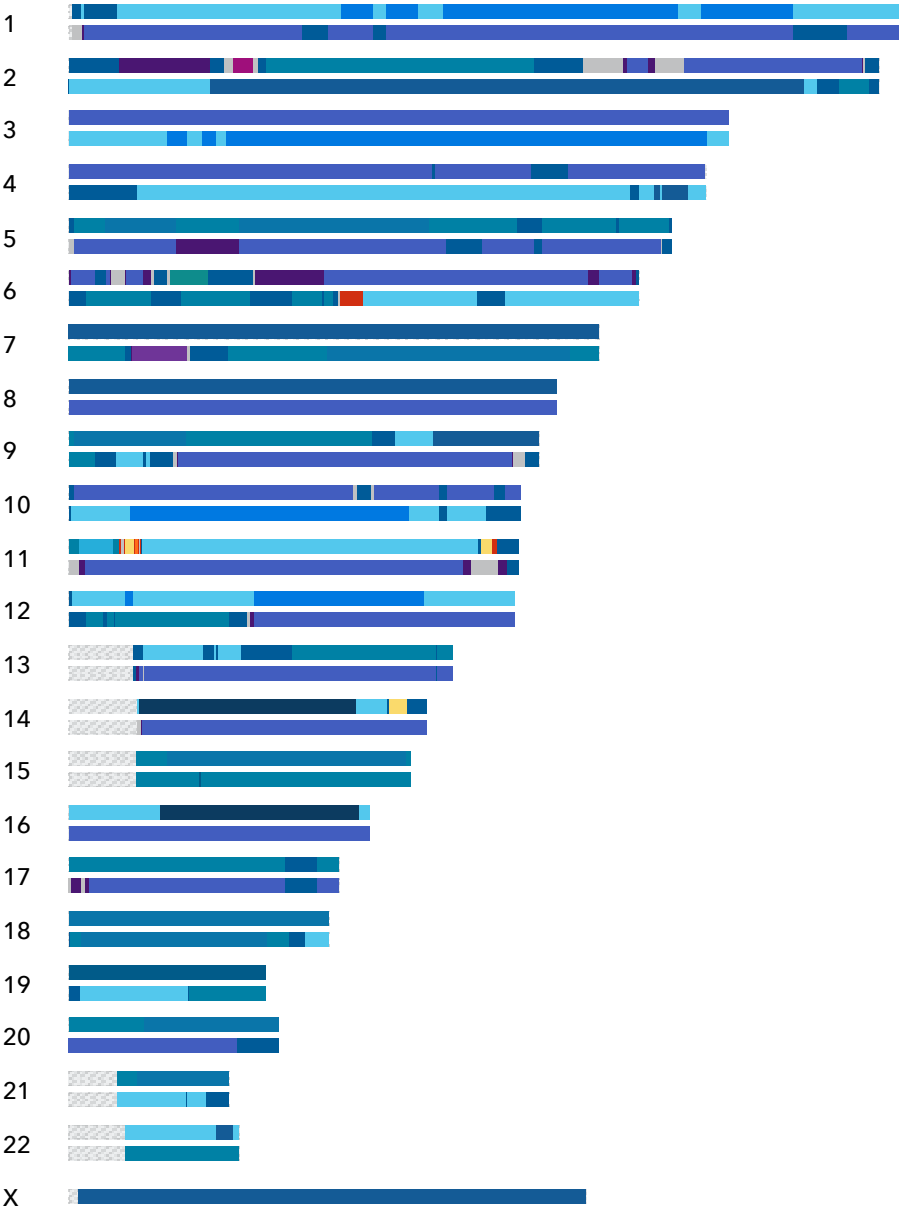
Possibly the cradle of modern human evolution, Eastern Africa spans from Ethiopia to Mozambique and Madagascar. Eastern Africa harbors an incredible genetic diversity, with Ethiopia alone containing dozens of ethnic groups. Home of the famous Maasai people, the southern part of Eastern Africa was first inhabited by Khoisan hunter-gatherers, until they were displaced during the Bantu expansion.

Unassigned

Sometimes your DNA cannot be assigned to one of the reference datasets used by our algorithm. You may be interested to know that this means that your DNA is unlike most of what we've observed before! As we collect more data and update our algorithm, less of your ancestry should fall into this category.

Your Ancestry Composition Chromosome Painting

These are your chromosomes; we've painted them with your Ancestry Composition results. The first 22 are called autosomes and come in pairs of two, each represented by one of the colored horizontal lines in the graphic below. Chromosomes have different lengths, and are named 1 through 22, when sorted by size (scientists are not very creative). Lastly, we also look at ancestry on your X chromosome: two copies like the autosomes if you are female, and only one copy if you're male (that you got from mom).



Kian Sheik100%

European	64.3%
Northwestern European	35.9%
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Broadly East Asian	< 0.1%
Broadly East Asian & Native American	0.2%
Sub-Saharan African	0.1%
East African	0.1%
Unassigned	1.0%
No Data Available	--

Genotype data is not available for these regions because their genetic sequence is highly repetitive, and therefore not readily tested via current genotyping technology.

Broad regional assignments: Sometimes a piece of DNA matches a regional population but cannot be assigned to a more specific population. In such a case we assign the DNA "broadly" to that regional population rather than a specific one.

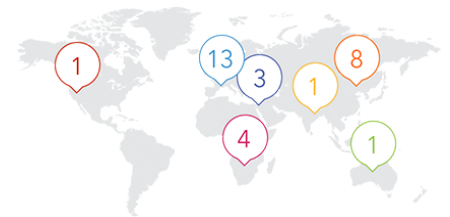
Do more with your Ancestry Composition results.

- Contribute to new discoveries by participating in research.
- Learn more about the reference populations we use to determine your result.
- Join the discussion with other 23andMe customers interested in Ancestry Composition results.

Scientific Details

Your Ancestry Composition is determined by comparing your DNA to public and private reference sets.

To determine your ancestry composition we use an algorithm that breaks up your DNA into short, non-overlapping segments. We then compare each segment to reference DNA sequences from **31 populations worldwide**. When the segment matches a specific population with a high degree of certainty, the segment is assigned to that population. Sometimes the segment matches several populations, in which case it is assigned to a broad area (e.g. Northwestern European) rather than a specific population. The results of all of these assignments are then tallied across your genome to determine your ancestry composition.



Reference Set Populations	23andMe Set	Public Set*	Total
East Asian and Native American Native American (Colombian, Karitiana, Maya, Pima, Surui), East Asian, Japanese, Korean (South Korean), Yakut, Mongolian (Daur, Hezhen, Mongolian, Oroqen, Tu, Xibo), Chinese (Chinese, Han, Hong Kongese, Taiwanese), Southeast Asian (Burmese, Cambodian, Indonesian, Lao, Malaysian, Filipino, Thai, Vietnamese)	808	560	1368
European Southern European, Italian (Italian, Northern Italian, Tuscan), Balkan (Albanian, Bosnian and Herzegovinian, Bulgarian, Croatian, Greek, Macedonian, Maltese, Montenegrin, Romanian, Serbian), Sardinian, Iberian (French Basque, Portuguese, Spanish), Northwestern European, British and Irish (Irish, United Kingdom), French and German (Austrian, French, German, Belgian, Dutch, Swiss), Scandinavian (Danish, Norwegian, Swedish), Finnish, Ashkenazi, Eastern European (Belarusians, Czechs, Hungarians, Polish, Russian, Slovak, Slovene, Ukrainian)	6421	421	6842
Middle Eastern and North African Middle Eastern (Armenian, Azerbaijani, Cypriot, Georgian, Cruze, Iranian, Iraqi, Lebanese, Turkish, Syrian), North African (Algerian, Bahraini, Bedouin, Egyptian, Jordanian, Kuwaiti, Moroccan, Mozabite, Palestinian, Saudi Arabian, Tunisian, Emirati, Yemeni)	550	176	726
Oceanian Broadly Oceanian (Nan Melanesian, Palauan, Tongan)	3	36	39
South Asian Broadly South Asian (Afghan, Balochi, Bangladeshi, Brahui, Burusho, Hazara, Indian, Kalash, Makrani, Nepalese, Pakistani, Pathan, Sindhi, Sri Lankan, Uygur)	207	615	822
Sub-Saharan African West African (Bantu, Cameroonian, Ghanaian, Ivorian, Liberian, Luhya, Mandenka, Nigerian, Sierra Leonean, Yoruba), East African (Eritrean, Ethiopian, Maasai, Somali), Central and South African (Biaka Pygmies, Mbuti Pygmies, San)	228	393	621

* Public Reference Set includes HGDP, 1000 Genomes, HapMap3

Change Log

Your report may occasionally be updated based on new information. This Change Log describes updates and revisions to this report.

Date	Change
Dec. 11, 2016	Your genetic results were first available from 23andMe.
Oct. 21, 2015	Ancestry Composition report created.

