



October 4, 2022

Dear Ms. Doe,

This **Basic American Indian DNA Test** completes your order **DXXXX**. Any population names or terms highlighted in your PDF are clickable. You can follow the links to get more information or an explanation.

May we suggest that you upgrade to the full DNA Fingerprint Plus for more information? You may do so now at a discount by ordering our [Mid Upgrade](#). There is no need to resample. This includes your top 50 specific world and top 20 European populations, a map highlighting your ancestry, your megapopulations, and an individualized analysis. Check out [FAQs](#) about the DNA Fingerprint Test on our website. Remember, getting your results is just the beginning of a lifelong learning process. The state of DNA science is always progressing!

Now that you know your results you may wish to visit [DNA Ancestor Communities](#). Here you can meet others from the same corner of the world, upload pictures, post family stories and genealogies and follow one or more discussions in several different forums, including World, Europe, Melungeon, Cherokee and Jewish. It's free, so join today!

We hope you enjoy your report for years to come and thank you for entrusting us with your DNA testing needs. [Certificates](#) are available for any result named in your report, along with a large selection of [books](#) to help you pursue your interests. Remember you have a 10% discount on any future orders with the code **dnaplus**. This discount never expires, and you can pass it on to family and friends.

We love reviews and referrals! Customer reviews are the lifeblood of a small, innovative company like ours. Here are some links for your convenience-



Or if you prefer, leave us a [Google Review](#)
or comment on our website <https://dnaconsultants.com/testimonials/>

Best Regards,

Sue

Susan Levin
Associate Investigator, [DNA Consultants](#)
Email suel@dnaconsultants.com

Call toll-free (888) 806-2588 (within the U.S and Canada) or 480-292-9820 (international)

Jane Doe

Basic American Indian DNA Fingerprint Test

DXXXX - 800XXXXX

Our Process

Your [unique genetic profile](#) was compared with STR frequencies for more than 520 reference populations from around the world stored in our computer program [atDNA 10.4](#). Your strongest Native American matches on a global basis appear below in red, together with their overall rank. DNA Consultants' database contains nearly 70 Native American reference populations. These may be specific tribes such as Apache or Cherokee, or they may be states, regions, or countries. The n-number (n=109, n=228, etc.) reflects the number of participants in the sample used to represent the population in the published study. For more information, links and representative examples of any given ancestry, click on the linked population or see [All Populations](#).

Native American populations appear in our database in three sections: World Matches, Megapopulations, and Markers. Within these sections there are more than sixty possible indicators of Native American ancestry. In the report below, each section is described, and your matches and their strengths are identified.

World Matches

The scores shown in green, blue, and yellow (see Technical Notes) were compared with profile frequencies for more than 520 populations from around the world stored in our computer program atDNA 10.4. The following populations—though not in strict order of importance—proved to be the leading matches for you on a multi-locus basis. American Indian populations appear in **red**. The n-number (n=109, n=228, etc.) reflects the number of participants in the sample used to represent the population in the published study. For more information, links and representative examples of any given ancestry, click on the linked population or see [All Populations](#). See also [Tribal Populations Doubled, Enrolled Cherokees among Those Added](#) (news, July 27, 2018).

Rank	World Population Matches
1	India - Indo-Caucasoid - Brahmin (n = 110)
2	India - Indo-Caucasoid - Kayastha (n = 103)
3	Slovakia – Zemplin (n=558)
4	Spanish - Minorcan (n = 100)
5	India - Pallar (n = 33)
6	India - Iyengar (n = 67)
7	Hungarian - Ashkenazim (n = 178)
8	White - Virginia (n = 174)
9	Slovakia – Saris (n=848)
10	Romani - Presov, Slovak Republic (n = 276)

- 11 Indian (n = 148)
- 12 Swedish (n = 311)
- 13 Slovakia – Spis (n=296)
- 14 Japanese - Central (n = 164)
- 15 India - Northeastern - Bihar - Bhumihaar Brahmin (n = 65)
- 16 Hungarian - Romani - Baranya/Debrecen (n=539)
- 17 Spanish - Balearic Islands (n = 113)
- 18 British
- 19 India - Karan (n = 62)
- 20 U.S. Cherokee Admixed (n = 92)
- 21 Austrian - Salzburg Region (n = 194)
- 22 India - Tripuri (n = 65)
- 23 Iberian Peninsula - Andalusian (n = 36)
- 24 Malaysian - Indian (n = 209)
- 25 Portuguese-Azores Archipelago (n = 95)
- 26 Moroccan Berber - Bouhria (n = 104)
- 27 White - U.S. (n = 172)
- 28 Portuguese - Azores (n = 100)
- 29 India - Sakaldwipi Brahmin (n = 65)
- 30 Slovakia - Abov-Gemer (n=1044)
- 31 U.S. Shawnee Admixed (n = 53)
- 32 White - U.S. (n = 102)
- 33 Russia - Korean (n = 49)
- 34 White - North Carolina (n = 372)
- 35 Pakistani (n = 220)
- 36 Iberian Peninsula - Basque Country (n = 248)
- 37 White - Virginia (n = 99)
- 38 Norwegian (n = 1380)
- 39 New Zealand Caucasian (n = 17675)
- 40 Polish (n = 136)
- 41 Singapore Indian (n = 177)
- 42 India - Kurumans (n = 67)
- 43 White - U.S. (n = 199)
- 44 Romania - Dobruja (n = 569)
- 45 White - Michigan (n = 80)
- 46 White - Minnesota (n = 160)
- 47 White - Florida (n = 117)
- 48 White - Connecticut (n = 179)
- 49 India - Balmiki (n = 62)
- 50 White - Canadian (n = 293)

Megapopulations: The Bottom Line

Megapopulations are geographic groups of world populations. In your case, American Indian was ranked at #18 and a related megapopulation, North Asian, is at #13 out of 22.

Native American Marker Ethnic Panel

These markers correlate at a rate of 80% with probable ethnic ancestry as indicated. They reflect major human migrations as depicted on the following map. Since you receive one allele (unit of human variation) from one parent and one from the other, you can potentially have two markers, one or none. It is not possible to say which parent you get a marker from in any instance, and the fact that you do not have a marker does not mean that you lack that ancestry. Due to the nature of [autosomal DNA](#), one sibling can get a marker and another could miss getting it.

Marker	Allele	Allele
NATIVE AMERICAN I		
NATIVE AMERICAN II	✓	

Results

Based on your results, it is thus likely you have very significant amounts of Native American ancestry.

A Native American Certificate is provided at the end of this report.

Population and Ethnicity Notes

Tribal affiliations cannot always be determined from the Native American matches, as types of Native American DNA are distributed all across the Americas. Some, moreover, may be deep, shared ancestry. Hispanic matches (including Brazilian) do not necessarily indicate Latin American ancestry but may signal rather a mixture of Iberian and Native American ancestry. Asian is a common deep ancestral match for anyone with Native American ancestry, particularly North Asian. As proved by fossils, modern Europeans and Native Americans share deep ancestry in the Finno-Uralic-Baltic region of northern Europe (Raghavan et al., 2014).

Technical Notes

Genetic systems known as autosomal markers were analyzed at our accredited testing laboratory. The table below shows you how your unique DNA fingerprint or lab results look. The numbers ([alleles](#)) reflect your genetic inheritance from all previous generations and produce a picture of your overall ancestry and ethnicity when run in our computer program [atDNA 10.4](#). Your alleles from both parents are fully represented on the chart, although it is not possible to determine which allele on each line came from which parent. Locus is the location on the chromosome for these alleles, also known as STRs, or [Short Tandem Repeats](#).

Your Genetic Profile

<i>Locus</i>	<i>Alleles</i>		<i>Typical Range</i>
D8S1179	10	13	7 - 24
D21S11	30	32.2	12 - 41.2
D7S820	11	12	5 - 17
CSFIPO	11	12	6 - 18
D3S1358	14	16	9 - 21.1
THO1	7	7	4 - 13.3
D13S317	12	12	5 - 17
D16S539	13	13	4 - 20
D2S1338	17	20	10 - 28
D19S433	12	14	9 - 19.2
VWA	14	18	8 - 24
TPOX	11	11	5 - 16
D18S51	14	15	7 - 31
D5S818	12	13	6 - 17
FGA	20	20	6 - 48.2

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Remember: results do not equal percentages. They show only that your profile, on the face of it, occurs with a relatively high frequency in the populations indicated. You may order a [Deluxe American Indian Ancestry Certificate](#) listing the American Indian matches on this report. We suggest also that you add our [Rare Genes from History Upgrade](#) and consider purchasing a [Mid Upgrade](#) to obtain full information about your autosomal ancestry. There is no need to be resampled, and your results are delivered within 14 days.

Susan Levin

Senior Associate Investigator

[DNA Consultants](#)

October 4, 2022

Disclaimer

This DNA Test is a probabilistic prediction of ancestry based on a DNA sample collected by an independent licensed party and not handled by the customer whose name appears on it. It is a strict chain-of-custody form of testing and can be used for legal or official purposes. Its results may or may not confirm expected ethnic composition, family history or genealogical determinations. Alone, it may not be used to prove identity, biological relationships, nationality, citizenship, immigration, or tribal enrollment.

Not all Native American (indigenous) tribes or tribal regions are represented in the comparisons. We strive to include every group that has been reported in worldwide forensic testing. If the results are not as expected, the case may be that the subject's particular ancestry is not able to be included for comparison.

All populations are mixed; none is pure. Hence, no percentage can be assigned to any individual's ancestry on a genetic basis. For scientific as well as ethical reasons, DNA Consultants refrains from giving results expressed in figures like estimated percentages or proportions of ethnicity.

Key to Markers

NATIVE AMERICAN I. This marker is inherited by an individual who has some degree of Native American ancestry. Often it comes from only one parent. As with other markers, if you didn't get it, that does not mean you don't have any Native American ancestry. Pairs of markers (**alleles**) are reshuffled from generation to generation, and it could have been lost. You may have it, but a sibling might not. By "Native American" is meant any of the indigenous groups who lived in either North or South America before Columbus. It is the same designation as **American Indian**. Native American DNA is so distinctive that this test can detect even small amounts of it because of multigenerational interbreeding and effective conservation of admixture markers. *Studies show about 80% of modern-day North and South American indigenous peoples have at least one of these markers.* NA I is strong throughout the Americas, from Apaches and Algonquian Indians to Mexican and Peruvian Indians.

NATIVE AMERICAN II. Similar to Native American I but found typically in people who are half or less Native American and about half Iberian with sometimes a lesser amount of Sub-Saharan African, i.e., Hispanic or Latino.

References

1. Butler, John M. (2010). *Fundamentals of Forensic DNA Typing*. Amsterdam: Elsevier. Authoritative treatment endorsed by the National Institute of Standards and Technology.
2. Cavalli-Sforza, Luigi Luca and Francesco Cavalli-Sforza (1995). *The Great Human Diasporas* (New York: Basic). Wonderful, readable classic on human genetics and prehistory by father and son.
3. DNA Consultants News (November 19, 2014). "[Cherokee DNA Population Match Available.](#)"
4. Yates, Donald N. and Teresa A. Yates (2014). *Cherokee DNA Studies: Real People Who Proved the Geneticists Wrong*. Phoenix: Panther's Lodge Publishers.
5. National Research Council (US) Committee on DNA Technology in Forensic Science, "[DNA Technology in Forensic Science](#)," Washington: National Academies Press (US), 1992. Fundamental early chapter on using STR profiles for identity and relationship.

Glossary of Terms Used in This Report

<https://dnaconsultants.com/dna-glossary/>

Statement on Ethnicity

Allelic population analysis is a science still in the early stages of development. As our understanding of human history and prehistory improves and more specific markers are discovered for distinct populations, we can expect the accuracy of prediction of the ethnic constituents in our ancestry to increase.

Reliability

While the laboratory methods used to determine your DNA markers are completely accurate and their statistical analysis is reliable, interpretation of the numerical results is subjective. Conclusions will vary. To form more confident opinions, we suggest that you combine the findings in this report with other testimony, such as that of DNA haplotypes, genealogical records, and family history.

Confidentiality

Your testing, results and this report are 100% secure and confidential. They are shared with no one.

Following Up

Join a Forum at [DNA Ancestor Communities](#) for free. Just follow the prompts to register and set your preferences. Begin exploring your results and sharing your genealogy with others. Choose from European, World, Native American, Hispanic, Melungeon, African, Jewish and Gypsy/Roma discussions. Like us on Facebook and follow the current posts there. Visit our blog for interesting reviews of news and research about genetics and ancestry tracing.

Key to Significance

Very Significant On a combined basis, the ancestry you received from both parents includes a strong indication of ancestry matching other people of reported American Indian genetic ancestry. Although this result cannot be translated into a percentage of ancestry, you rank in the top echelon of scores for having strong matches showing American Indian ancestry.

Significant On a combined basis, the ancestry you received equally from both parents includes a significant amount of ancestry matching other people of reported American Indian ancestry. You rank in the next highest echelon of scores for having American Indian ancestry.

Somewhat Significant Your combined ancestry indicates moderate matches with people of reported American Indian ancestry.

Not Significant Your combined ancestry shows low or no matches with people of reported American Indian ancestry, other than possibly your ethnic marker results.

N.L. (Cannot be compared or Non Liquefied) Your DNA profile does not fit within the parameters of the samples of one or more of our populations and cannot therefore be compared. No result is possible. One or more of the 30 alleles in your STR profile is *not* reported in these population samples, the only ones available. Uncertain.

Bestselling Titles of Interest



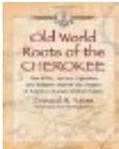
DNA and You: Blog Posts from the Golden Age of the Human Genome Project ([Print version](#)) (Kindle)

Donald N. Yates and Teresa A. Yates



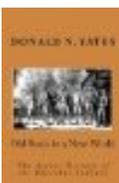
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Old World Roots of the Cherokee: How DNA, Ancient Alphabets and Religion Explain the Origins of America's Largest Indian Nation ([Print version](#)) (Kindle)

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Donald N. Yates

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DNA Consultants – Home of the DNA Fingerprint™ Test – Your Consumer Genetics Source since 2003

DNA



THIS DOCUMENT CERTIFIES THAT

Jane Doe

ORDERED A PERSONAL **BASIC AMERICAN INDIAN DNA TEST** FROM OUR
LABORATORIES

YIELDING THE FOLLOWING RELATED RESULTS

#20 U.S. CHEROKEE – ADMIXED (n = 92)

#31 U.S. SHAWNEE – ADMIXED (n = 53)

MEGAPOPULATIONS – AMERICAN INDIAN #18

NATIVE AMERICAN MARKER II (one allele)

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