



Jane Doe Cherokee DNA Test

AXXXX - 838XXXX

Genetic systems known as autosomal markers were analyzed at DNA Diagnostics Center. Testing revealed your personal DNA fingerprint or profile.

Technical Introduction

The table below shows you how your lab results look. The numbers (alleles) reflect your genetic inheritance from all previous generations and produce a picture of your overall ancestry and ethnicity once put into our computer program atDNA.

Your Genetic Profile

Locus	Alleles		Typical Range
D8S1179	12	14	7 - 24
D21S11	29	31.2	12 - 41.2
D7S820	11	12	5 - 17
CSFIPO	12	12	6 - 18
D3S1358	14	18	9 - 21.1
THO1	7	9	4 - 13.3
D13S317	12	14	5 - 17
D16S539	11	11	4 - 20
D2S1338	19	25	10 - 28
D19S433	15	14	9 - 19.2
VWA	15	18	8 - 24
TPOX	8	8	5 - 16
D18S51	14	16	7 - 31
D5S818	10	12	6 - 17
FGA	20	22	6 - 48.2

The alleles shown in green (known as CoDIS markers) were compared with our data for 26 American Indian populations from eight countries in North and South America. In addition to Cherokee, possible matches included Apache, Navajo, Salishan, Inuit, Lumbee, Maya, Huichols and Canadian aboriginal tribes, representing a total of nearly 4,000 subjects who identified as Native American, American Indian, indigenous or aboriginal in forensic studies.

The following populations—though not in strict order of importance—proved to be the leading contributors to your ancestry and ethnic mix. Your Native American matches and their rankings are highlighted in red.

Rank	World Population Matches
1	Native American - Salishan (n = 47)
2	Native America- Salishan- British Columbia (n = 104)
3	Hungarian - Romany - Baranya/Debrecen regions (n = 539)
4	Malaysian - Indian (n = 209)
5	East Timor (n = 186)
6	Spanish/Moroccan - Moroccan Arabs (n = 47)
7	Moroccan Arabs (n = 80)
8	Black - Virginia (n = 100)
9	Egyptian Arab - Cairo (n = 140)
10	Moroccan Berber - Bouhria (n = 104)
11	Native American - Alaskan Inupiat (n = 109)
12	Filipino - Guam (n = 99)
13	India - Oriya Brahmin (n = 57)
14	Northern Australian - East Timor (n = 141)
15	Chamorros - Guam (n = 97)
16	Iranian (n = 93)
17	Libyan (n = 103)
18	Spanish - Black - Central West African (n = 132)
19	Madagascar (n=67)
20	Slovakia - Abov-Gemer (n=1044)
21	Black - Alabama (n = 62)
22	India - Gope (n = 60)
23	Belarusian (n = 176)
24	Brazilian - Santa Catarina (n = 160)
25	Turkish (n = 198)
26	Spanish - Cantabria (n = 158)
27	Black - Connecticut (n = 182)
28	Black - New York (n = 75)
29	Mozambique (n = 110)
30	Black - Illinois (n = 78)
31	Romania - Dobruja (n = 569)
32	Asian - Northern Australian (n = 225)
33	Black - Marion County, Indiana (n = 190)
34	Mozambique - Maputo (n = 154)
35	Black - Florida (n = 100)
36	Portuguese - Porto region (n = 39)
37	Romanian - Transylvania/Banat (n = 219)
38	Singapore Malaysian (n = 197)
39	Turkish (n = 310)
40	Brazilian - Bahia (n = 150)
41	Black - Trinidad (n = 43)
42	Saudi Arabian (n = 73)
43	Iberian Peninsula - Basque Country (n = 248)
44	India - Chitpavan Brahmin (n = 67)
45	Spanish - Valencian (n = 101)
46	Black - Florida (n = 50)
47	Black - U.S. (n = 139)
48	Turkish (n = 500)
49	Hispanic - Virginia (n = 183)
50	Arabs (Palestinian and related) (n = 100)

68	U.S. Cherokee Admixed (n=62)

Results

As can be seen, U.S. Cherokee Admixed (n=62) appears as match #68. Several other Native American populations also appear in your top matches.

It is thus highly likely you have significant amounts of Cherokee ancestry.

A [Deluxe Cherokee Certificate](#) is provided at the end of this report.

To see all your results, you may purchase the [Premium Upgrade](#). This will give you a [DNA Fingerprint Plus](#), a comprehensive analysis of all your ancestry, including your top world matches, countries of Europe, megapopulations and ethnic marker panel, together with a world ancestry map. Use the special promo code **cherokee** to receive a 10% discount on the Plus or on any other DNA test we offer. There is no need to be re-sampled; we retain your lab results on file. This discount never expires and may be passed on to family members and friends.

We encourage you to join the Cherokee Forum at [DNA Communities](#), where you can share your results and genealogy and meet others interested in their Cherokee ancestry. It's fun, free and informative.

Susan Levin

Assistant Investigator

[DNA Consultants](#)

July 18, 2016

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-Interactive (web site) <http://www.dnai.org/index.html>. Easy to explore video modules on the many applications of DNA in the words of the founders and practitioners of genetics today.
4. DNA Consultants News (November 19, 2014). "Cherokee DNA Population Match Available."
5. Yates, Donald N. and Teresa A. Yates (2014). *Cherokee DNA Studies: Real People Who Proved the Geneticists Wrong*. Phoenix: Panther's Lodge Publishers.

Understanding Your Cherokee Results

Key to Rank or Significance

Highly Likely On a combined basis, the ancestry you received from both parents includes a significant amount of ancestry matching other people of reported Cherokee genetic ancestry. Although this result cannot be translated into a percentage of ancestry, you rank in the top echelon of scores for having a strong match showing Cherokee ancestry. Very strong.

Somewhat Likely On a combined basis, the ancestry you received equally from both parents includes a moderate amount of ancestry matching other people of reported Cherokee ancestry. You rank in the next highest echelon of scores for having Cherokee ancestry. Strong.

Somewhat Unlikely Your combined ancestry does not indicate a high match with people of reported Cherokee ancestry. It may show related Native American matches, in which case you have received a Native American rather than Cherokee certificate. Weak.

Unlikely Nothing in your ancestry shows high matches to Cherokee or other Native American people. Absent.

N.L. (Cannot be compared or Non Liket) Your DNA profile does not fit within the parameters of the sample U.S. Cherokee Admixed (n=62) and cannot therefore be compared. No result is possible. One or more of the 30 alleles in your STR profile is *not* reported in this population sample, the only one available. Uncertain.

FAQs: Reasons Why Your Match Was Unexpectedly Low or High

- Your Cherokee ancestors are very far removed or are too weak to register statistically. As a sample computation, if your great-grandmother was a half-blood Cherokee, you are 1/16 or 6¼ percent Cherokee. She was born in the 19th century. If you have but a single Cherokee line, it can become weak after a few generations. Very small degrees of admixture cannot be detected.
- A family tradition may have reported Cherokee when other tribes were more dominant. Historically, many Native groups were extinguished, or blended together with other tribes, especially with the very numerous and welcoming Cherokee. Today, Cherokee is the most often named Native affiliation of Americans.
- Although you may indeed carry significant Cherokee heritage, our sample (the only known representation of Cherokee DNA) is insufficient for all situations. It is based on 62 people of Cherokee descent in a 2012 in-house study. While such a small sample size may suffice for an exotic, highly distinctive population, it may not be valid for a population such as the Cherokee who are turning out to be of

greater than expected diversity. In recognition of this, and in our commitment to pursue the study of Cherokee DNA, DNA Consultants has opened a second phase to the original study. **Regardless of your results, if you would like to become part of Phase II of the Cherokee population study, please send an email to Dr. Donald Yates at dpy@dnaconsultants.com.**

Specific Disclaimers

The Cherokee DNA Test is a probabilistic prediction of ancestry for personal knowledge only. It is a non-chain of custody form of testing and is not intended 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.

No claim is made for, or can be inferred from, the use of the term “Cherokee.” No reference is intended to the names of the U.S. federally recognized Native American Indian Nations, Cherokee Nation of Oklahoma, Eastern Band of Cherokee Indians or United Keetoowah Band of Cherokee or to entities known, unknown or to be created carrying the name “Cherokee.”

While DNA Consultants seeks to maintain the highest standards of accuracy and completeness for its statistical analyses of forensic data, it is not responsible for the limitations of its published forensic sources or method.

All populations are mixed; none is pure. Hence, no true 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.

Did You Know?

- The following accessory lineages have been identified in people of Cherokee descent in addition to other Native American populations: Armenian, Berber (Moroccan), Egyptian, Turkish, Greek, Spanish/Portuguese, Melungeon, Mayan, Polynesian, Romani/Gypsy and Jewish.
- Although the Cherokee are the most populous Indian Nation, they are the least studied.
- The name Cherokee (Tsalagi) has a disputed origin and meaning.
- The Cherokee language may not be very old.

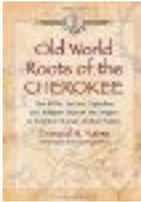
Amazon Titles of Interest



Cherokee Clans: An Informal History (Cherokee Chapbooks 4)

Donald N. Panther-Yates

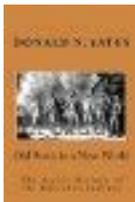
\$6.95



Old World Roots of the Cherokee: How DNA, Ancient Alphabets and Religion Explain the Origins of America's Largest Indian Nation

Donald N. Yates

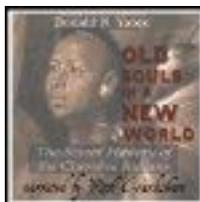
\$45.00



Old Souls in a New World: The Secret History of the Cherokee Indians (Cherokee Chapbooks 7)

Donald N. Yates

\$7.95



Old Souls in a New World: The Secret History of the Cherokee Indians (Cherokee Chapbooks 7)

Audiobook, Unabridged

By Donald N. Yates

Narrated By Rich Crankshaw

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



THIS DOCUMENT CERTIFIES THAT

Jane Doe

Ordered a Personal **Cherokee DNA Test** from Our Laboratories
Yielding the Following Result

68 U.S. Cherokee Admixed (n = 62)

Donald N. Yates

Principal Investigator, DNA Consultants, P.O. Box 2477, Longmont, CO 80502



DNA Diagnostics Center

August 31, 2016

