



**John Doe**

## Cherokee DNA Test

Dxxxx- 8xxxxxxx

### Results

As can be seen, U.S. Cherokee Enrolled (n=33) appears as match #37. U.S. Cherokee Admixed (n=92) appears as match #236, and U.S. Cherokee- Admixed (n=62) appears as match # 266. Several other Native American populations also appear in your top matches, as highlighted below.

**Based on your results, it is thus highly likely you have significant amounts of Cherokee ancestry.**

A Deluxe Cherokee Certificate is provided at the end of this report.

### Your Top 50 Matches

The alleles shown in green (known as CoDIS markers) were compared with our data for 50 American Indian populations from eight regions in North and South America. In addition to Cherokee, possible matches included Apache, Navajo, Salishan, Choctaw, Inuit, Sioux, Lumbee, Maya, Huichols and Canadian aboriginal tribes, representing a total of nearly 4,600 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**. 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, see [All Populations](#).

Rank	World Population Matches
1	Native American - Alaskan Athabaskan (n = 101)
2	Russia - Altai Turkic (n = 68)
3	Canada - British Columbia - Nootka Indians (n = 9)
4	Russia - Altai-Kizhi Turkic (n = 80)
5	Russia - Tofa Turkic (n = 35)
6	<u>Native American - Arizona - Navajo (n = 93)</u>
7	<u>Italian (n = 223)</u>

- 8 South African - European - Capetown (n = 98)
- 9 [Argentinian - Corrientes \(n = 43\)](#)
- 10 [Iraqi \(n = 103\)](#)
- 11 [Italian - Piedmont \(n = 147\)](#)
- 12 [Jewish \(n = 124\)](#)
- 13 [Serbian - Serbia/Vojvodina/Montenegro \(n = 100\)](#)
- 14 [Arab - Syrian \(n = 121\)](#)
- 15 [Arab - Damascus, Syria \(n = 119\)](#)
- 16 [Armenian - Lake Sevan \(n = 101\)](#)
- 17 [White - Virginia \(n = 99\)](#)
- 18 Libyan (n = 103)
- 19 [Spanish Moroccan Arabs \(n = 47\)](#)
- 20 Saudi Arabian (n = 73)
- 21 [White - Virginia \(n = 174\)](#)
- 22 [White - U.S. \(n = 102\)](#)
- 23 [Spanish \(n = 401\)](#)
- 24 [White - Connecticut \(n = 179\)](#)
- 25 [White - Alabama \(n = 75\)](#)
- 26 [Swedish \(n = 311\)](#)
- 27 Colombian (n = 1944)
- 28 [White - U.S. \(n = 172\)](#)
- 29 [Hungarian - Ashkenazim \(n = 178\)](#)
- 30 [Hispanic - Minnesota \(n = 151\)](#)
- 31 [White - U.S. \(n = 200\)](#)
- 32 [Hispanic - Southwestern U.S. \(n = 105\)](#)
- 33 [White - New York \(n = 71\)](#)
- 34 [Hispanic - Minnesota \(n = 75\)](#)
- 35 [Polish \(n = 136\)](#)
- 36 [Turkish \(n = 198\)](#)
- 37 [U.S. Cherokee Enrolled \(n = 33\)](#)
- 38 Colombian - Antioquia (n = 400)
- 39 [Albanian - Italy \(n = 100\)](#)
- 40 [White - Florida \(n = 123\)](#)
- 41 [Greek \(n = 143\)](#)
- 42 [Italian - Tuscany \(n = 188\)](#)
- 43 [Iberian Peninsula - Catalans \(n = 50\)](#)
- 44 [Japanese - Eastern U.S. \(n = 79\)](#)
- 45 [White - Minnesota \(n = 160\)](#)
- 46 [Romanian - Transylvanian - Szekler \(n = 257\)](#)
- 47 [Greek - Northern \(n = 318\)](#)
- 48 [Turkish \(n = 500\)](#)
- 49 [Majorcan Jews - Chueta \(n = 102\)](#)
- 50 [Greek \(n = 205\)](#)
- ...
- 236 [U.S. Cherokee Admixed \(n=92\)](#)
- 266 [U.S. Cherokee Admixed \(n=62\)](#)

## Technical Notes

Genetic systems known as **autosomal** markers were analyzed at **DNA Diagnostics Center**. 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 10.2**. 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	9	13	7 - 24
D21S11	30	32.2	12 - 41.2
D7S820	10	10	5 - 17
CSFIPO	10	13	6 - 18
D3S1358	15	17	9 - 21.1
THO1	8	9.3	4 - 13.3
D13S317	11	12	5 - 17
D16S539	11	14	4 - 20
D2S1338	18	25	10 - 28
D19S433	13	14	9 - 19.2
VWA	17	18	8 - 24
TPOX	8	8	5 - 16
D18S51	13	13	7 - 31
D5S818	11	11	6 - 17
FGA	21	24	6 - 48.2

To see all your results, you may purchase the **Premium Upgrade**. This will give you a **DNA Fingerprint Plus with 18 Marker Panel**, 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 ancestry. It's fun, free and informative. Please also visit the Cherokee/Native American information page at DNA Consultants- <https://dnaconsultants.com/cherokee-1/>.

**Susan Levin**

Associate Investigator

[DNA Consultants](#)

August 21, 2018

## 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 Liquefied)** Your DNA profile does not fit within the parameters of the samples of one or more of our Cherokee populations (U.S. Cherokee Admixed (n=62) , U.S. Cherokee Admixed (n=92), or U.S. Cherokee Enrolled (n=33) 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.

### 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 halfblood Cherokee, you are 1/16 or 6¼ percent Cherokee. She was born in the 19<sup>th</sup> 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 samples (the only known representations of Cherokee DNA) are insufficient for all situations. They are based on 62 and 92 admixed people in 2012 and 2017 inhouse studies and 33 enrolled Cherokees reported in a 2016 study (Kanthaswamy et al.). While such small sample sizes may suffice for an exotic, highly distinctive population, it may not be valid the Cherokee, who are turning out to be of greater than expected diversity.

### 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.

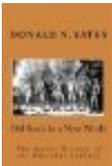
No claim is made for, or can be inferred from, the use of the term “Cherokee.” No reference is intended to the names of the U.S. federally recognized Native American Indian Nations, Cherokee Nation of Oklahoma, Eastern Band of Cherokee Indians or United Keetoowah Band of Cherokee or to entities known,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

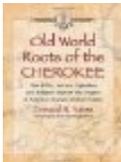
- The following accessory lineages have been identified in people of Cherokee descent in addition to other Native American populations: Armenian, Berber (Moroccan), Egyptian, Turkish, Greek, Spanish/Portuguese, Melungeon, Mayan, Polynesian, Romani/Gypsy and Jewish.
- The name Cherokee (Tsalagi) has a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

### Amazon Titles of Interest



**Old Souls in a New World: The Secret History of the Cherokee Indians (Cherokee Chapbooks 7) [\(Print Version\)](#) (Kindle)**

**Donald N. Yates**



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

**Donald N. Yates**



**Cherokee DNA Studies: Real People Who Proved the Geneticists Wrong (DNA Consultants Series on Consumer Genetics) (Volume 1) [\(Print Version\)](#) (Kindle)**

**Donald N. Yates and Teresa A. Yates**

DNA



# THIS DOCUMENT CERTIFIES THAT

*John Doe*

Ordered a Personal **CHEROKEE DNA TEST** from Our Laboratories

Yielding the Following Results

- # 37 U.S. Cherokee Enrolled (n=33)
- # 236 U. S. Cherokee Admixed (n=92)
- # 266 U.S Cherokee Admixed (n=62)

*Donald N. Yates*

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