



March 31, 2022

Dear Mr. Creek,

This **Cherokee DNA Test** completes your order **c1234**. Any population names or terms highlighted in your PDF are clickable. You can follow the links to get more information.

May we suggest that you upgrade to the full Native American DNA Fingerprint Plus for more information? You may do so now at a discount by ordering our [Premium 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 the 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 DNA Fingerprint 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 comments on our website <https://dnaconsultants.com/testimonials/>

Best Regards,

**Sue**

Susan Levin

Associate Investigator, [DNA Consultants](#)

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



## John Creek

### Cherokee DNA Test

C1234 - xxxxxxxx

#### Results

As can be seen, U.S. Cherokee Admixed (n=92) appears as match #76. U.S. Cherokee Admixed (n=62) is farther down, at #143. U.S. Cherokee Enrolled (n=33) is toward the bottom at #362. One other Native American population also appears in your top matches, as highlighted below.

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

A 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 more than American Indian populations from regions in North and South America as well as Asia. In addition to Cherokee, possible matches included Apache, Navajo, Salishan, Choctaw, Inuit, Sioux, Lumbee, Maya, Huichols, and Canadian aboriginal tribes, representing a total of more than 6,000 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. 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	Iberian Peninsula - Andalusian (n = 36)
2	Polish (n = 136)
3	Romanian - Transylvanian - Csango (n = 220)
4	Polish - Northern (n = 202)
5	Belarusian - Northeastern Poland (n = 212)

- 6 Russia - Novgorod (n = 59)
- 7 Lithuania - Vilnius (n = 140)
- 8 Portuguese - Azores (n = 100)
- 9 Russian (n = 402)
- 10 Belgian - Flemish (n = 231)
- 11 Spanish - Majorcan (n = 103)
- 12 White - U.S. (n = 172)
- 13 Croatian (n = 200)
- 14 Portuguese-Azores Archipelago (n = 95)
- 15 White - Connecticut (n = 179)
- 16 Belarusian (n = 176)
- 17 White - Michigan (n = 80)
- 18 Armenian - Ararat Valley (n = 105)
- 19 Spanish - Northeast (n = 204)
- 20 Native American - Lumbee (n = 106)
- 21 Hungarian - Vojodina (n = 291)
- 22 Portuguese - Northern (n = 250)
- 23 White - Kentucky (n = 349)
- 24 Bosnian (n = 210)
- 25 Portuguese - White (n = 146)
- 26 Polish (n = 870)
- 27 French
- 28 White - U.S. (n = 3,915)
- 29 White - Swiss (n = 206)
- 30 Romanian - Transylvanian - Szekler (n = 257)
- 31 White - North Carolina (n = 372)
- 32 Croatian (n = 105)
- 33 Russia - Vody (n = 60)
- 34 Norwegian (n = 1380)
- 35 Bavarian (n = 155)
- 36 Czech (n = 1141)
- 37 Belgian (n = 198)
- 38 Armenian - Gardman (n = 95)
- 39 Swedish (n = 311)
- 40 Hungarian (n = 4213)
- 41 Tunisian (n = 196)
- 42 Polish (n = 412)
- 43 Spanish - Balearic Islands (n = 113)
- 44 White - U.S. (n = 102)
- 45 White - U.S. (n = 302)
- 46 Romanian - Transylvania/Banat (n=219)
- 47 New Zealand Caucasian (n = 17675)
- 48 Romania - Dobruja (n = 569)
- 49 White - U.S. (n = 199)
- 50 Poland - Lodz (n = 1000)

<b>76</b>	U.S. Cherokee Admixed (n=92)
<b>143</b>	U.S. Cherokee Admixed (n=62)
<b>362</b>	U.S. Cherokee Enrolled (n=33)

**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	11	15	7 - 24
D21S11	32.2	33.2	12 - 41.2
D7S820	11	11	5 - 17
CSFIPO	10	12	6 - 18
D3S1358	14	17	9 - 21.1
THO1	6	9.3	4 - 13.3
D13S317	10	12	5 - 17
D16S539	11	12	4 - 20
D2S1338	20	24	10 - 28
D19S433	14	15.2	9 - 19.2
VWA	16	18	8 - 24
TPOX	8	11	5 - 16
D18S51	12	18	7 - 31
D5S818	11	11	6 - 17
FGA	21	22	6 - 48.2

Use the special promo code **dnaplus** 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 and your report will be delivered within 14 days. 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](#)

March 31, 2022

## 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. 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.
6. 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 half-blood 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

This 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.

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

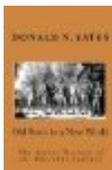
forensic testing. If the results are not as expected, the case may be that the subject's particular ancestry is not able to be included for comparison.

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.

### Did You Know?

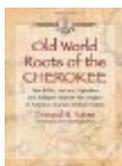
- The following accessory lineages have been identified in people of Cherokee descent in addition to other Native American populations: Armenian, Berber (Moroccan), Egyptian, Turkish, Greek, Spanish/Portuguese, Melungeon, Mayan, Polynesian, Romani/Gypsy and Jewish.
  - The name Cherokee (Tsalagi) has 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 Creek*

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

Yielding the Following Results

# 76 U.S. Cherokee Admixed (n = 92)

# 143 U.S. Cherokee Admixed (n = 62)

# 362 U.S. Cherokee Enrolled (n = 33)

*Donald N. Yates*

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



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