



Sean Doe

Irish DNA Fingerprint Ancestry Report

Mxxxx - 83xxxxx

Distinct genome-wide genetic systems known as **autosomal markers** were analyzed at **DNA Diagnostics Center**. This generated a uniquely identifying **DNA fingerprint or profile** for the subject. **Alleles** are values in our genes that make us different from others. The resulting DNA Fingerprint reflects inherited changes from all previous generations and can suggest probable ethnic matches for the individual (Balding et al., 2001). Since the 1990s, this test has provided **forensic** evidence in criminal cases to prove, for example, that blood found on a crime victim belongs to a certain suspect (Butler). More recently, it has been adapted to explore an individual's ancestral origins.

According to recent research in population genetics, genes mirror the geography of Europe. Modern-day European subpopulations correspond roughly to national and linguistic boundaries (Lao et al. 2008). A search was thus made for high **Random Match Probabilities** in the EURO section of the computer program **atDNA 7.0**, covering 39 countries. By a calculation restricted to **European** data, and using the 10-locus STR standard of **ENFSI**, the top twenty country matches are:

Rank	European Population Matches
1	Serbia (n = 100)
2	Croatia (n = 200)
3	Scotland - Highlands (n = 228)
4	England/Wales (n = 437)
5	Netherlands (n = 231)
6	Belgium - Flemish (n = 231)
7	Estonia (n = 150)
8	Scotland - Lowlands (n = 494)
9	Germany (n = 662)
10	Greece (n = 208)
11	Hungary (n = 224)
12	Ireland (n = 304)
13	Montenegro (n = 200)
14	Norway (n = 202)
15	Poland (n = 206)
16	Slovakia (n = 247)
17	Slovenia (n = 207)
18	Spain (n = 449)

- 19 Sweden (n = 424)
- 20 Switzerland (n = 402)
-
- 27 Northern Ireland (n = 207)

Analysis and Conclusion

Profile frequencies suggest your ancestors' principal origins in Europe—not necessarily in strict order of importance—are the nationalities listed above. It is not possible to state percentages, since no population is pure and unmixed. Finland and Estonia may appear because of high Native American admixture. As proved by fossils, modern Europeans and Native Americans share deep ancestry in the Finno-Uralic-Baltic region of northern Europe (Lazaridis; Seguin-Orlando).

As can be seen, Ireland is no. 12, Northern Ireland is no. 27 and three related populations are nos. 3, 4 and 8. These results suggest you have a high amount of Irish ancestry.

Remember, these results are based on input of your DNA profile into a population database containing only countries of Europe. They do not show your world connections. Europe was the last landmass to be colonized by modern humans, so Europeans carry the heritage not only of Asia and Africa but pre-existing Neanderthals, with whom they interbred.

Most people in our experience are more mixed than they know. We suggest you follow up with a full [DNA Fingerprint Plus](#) to explore your full ancestry, get world population matches, [megapopulation](#) comparisons and see what European and non-European ethnic markers you possess. There is no need to resample. Simply order the [Premium Upgrade](#). You will also receive your raw lab results or [CoDIS](#) markers and unique [DNA profile](#).

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February 22, 2016

Disclaimers

This Irish 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.

References and Suggestions for Further Reading

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. Lao, Oscar et al. (2008), "Correlation between Genetic and Geographic Structure in Europe." *Current Biology* 18/16: 1241-48.
5. Lazaridis, I. et al. (2014), "Ancient Human Genomes Suggest Three Ancestral Populations for the Present-day Europeans." *Nature* 513/7518:409-13.
6. Mallory, J.P. (2015). *The Origins of the Irish*. London: Thames & Hudson.
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8. Oppenheimer, Stephen (2006). *The Origins of the British. A Genetic Detective Story*. New York: Carroll & Graf. -----(2005). *The Real Eve*. New York: Carroll & Graf). Brilliant Oxford professor's books.
9. Seguin-Orlando et al. (2014). "Genomic Structure in Europeans Dating Back at Least 36,200 Years," *Science* 346/6213:1113-18.
10. "Surprises in English and Irish DNA." Blog post. May 22, 2011.
11. Sykes, Brian (2001). *The Seven Daughters of Eve*. New York, Norton. ----- (2006). *Saxons, Vikings and Celts*. New York: Norton. ----- (2012). *DNA USA. A Genetic Biography of America*. New York: Liveright. Books by British geneticist who founded Oxford Ancestors.
12. Wade, Nicholas (2007). *Before the Dawn*. New York: Penguin.
13. Wells, Spencer (2006). *Deep Ancestry: Inside the Genographic Project*. Washington: National Geographic.
14. "Were the Irish O'Hara's in America before Columbus?" Blog post. May 15, 2015.
15. "When Ireland Was Jewish." Blog post. Nov. 21, 2010.
16. Yates, Donald N. (October 30, 2013). "Native Americans Have Deep Ancestry in Europe: Yes, It's Official" (blog post). ----- (July 2, 2015). "Do You Know Your European Origins?" (review).

Glossary of Terms Used in This Report: <http://dnaconsultants.com/glossary>.

Understanding Your Results (FAQs): <http://dnaconsultants.com/DNAScience#testfaq>.

Read about Random Match Probability, the basis for the DNA Fingerprint Test.

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. Here are some links to common ancestries in and around Europe.

[Albanian](#) [Arab](#) [Ashkenazi](#) [Austrian](#) [Belgian](#) [British](#) [Croatian](#) [Czech/Slovak](#) [Danish](#) [Dutch](#) [English](#) [Europeans](#) [French](#) [German](#) [Greek](#) [Hungarian](#) [Irish](#) [Italian](#) [Jewish](#) [Middle Eastern](#) [Moroccan](#) [Norwegian](#) [Polish](#) [Romani/Gypsy](#) [Russian](#) [Scottish](#) [Sephardic](#) [Slovenian](#) [South Slavic](#) [Spanish/Portuguese](#) [Swedish](#) [Swiss](#) [Tunisian](#) [Turkish](#) [Welsh](#)

Download and watch slide show "Peoples of the World: 140 Ethnic Types" (free, requires PowerPoint). Purchase *Peoples of the World: An Album of Ethnic Types*, by Donald N. Yates (Blurb 2008). [Preview](#).

Reliability. Note that the "n" number in populations indicates the number of subjects in the original published forensic study. Although the sample size varies, all samples are considered valid. 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% confidential.

Exploring Your Ancestry. Join a Forum at [DNA Communities](#) for free. Just follow the prompts to register and set your preferences. Begin learning more about your results and sharing your genealogy with others. Choose from European, World, Cherokee, Hispanic, Native American, Melungeon, African, Jewish and Romani discussions. We suggest you post your top ten countries of Europe along with a note about how that list corresponds with what you knew before about your European ancestry. Visit our [blog](#) for interesting reviews of news and research about genetics and ancestry tracing. Also, check out the populations where your ancestors originated on our [Population Pages](#). Like us on Facebook at www.facebook.com/DNAconsultants.

Amazon Titles You May be Interested In



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Donald N. Yates and Teresa A. Yates

\$24.95



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Elizabeth Caldwell Hirschman

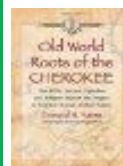
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THIS DOCUMENT CERTIFIES THAT

Sean Doe

Ordered an

Irish DNA Fingerprint Test

Producing the Following Matches

#12 Ireland (n = 304)

#27 Northern Ireland (n = 207)

Donald N. Yates

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February 22, 2016