

DNA Explorers

Fountaindale Public Library – Genealogy Day 2019

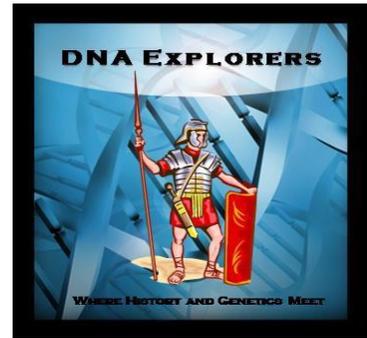
Genetic Genealogy Presentation

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DNA TERMINOLOGY for Ethnicity Estimates

Reference Panel: Your DNA is compared to a reference panel to determine your ethnicity estimate. Reference panels are based on people from specific regions with deep roots in that area. Each company has a different number of reference panels (the more panels the higher the resolution). Your ethnicity estimate should be compared to your family tree for accuracy. Care should be taken for estimates less than 3% unless proven by your family tree.

DNA TESTING COMPANIES and Ethnicity Estimates

Family Tree DNA (FTDNA): Family Finder with My Origins (Ethnicity Estimate).

Website (www.familytreedna.com)

Number of Regions Compared: 24

Accuracy: Accurate but a little vague

Ancestry DNA: Ancestry DNA provides an expanded ethnicity and geographical breakdown.

Website: (www.dna.ancestry.com)

Number of Regions Compared: 150, includes migration areas in the U.S.

Accuracy: Accurate, best on the market

23 and Me: Ethnicity Estimate is standard with test. There is only one test to order.

Website: (www.23andme.com)

Number of Regions Compared: 31 – IN 2019 175 REGIONS

Accuracy: Accurate – equal or better than Ancestry.

Living DNA: Multiple tests with ethnicity estimate.

Website: (www.livingdna.com)

Number of Regions Compared: 31, specialize in U.K. Regions

Accuracy: Partially accurate

My Heritage: Autosomal testing that provides ethnicity estimate and matching

Website: (www.myheritage.com)

Number of Regions Compared: 42

Accuracy: Accurate but vague

TeloYears:

Website: (www.myheritage.com)

Number of Regions Compared: 70+, Specialize in East Asian DNA

Accuracy: Not accurate for European ancestry

GPS Origins: An autosomal test that looks at maternal and paternal DNA that is confusing.

Website: (<https://homedna.com/ancestry/gps-origins>)

Numbers of Regions Compared: 41

Accuracy: Not accurate

Insitome: An ala carte DNA testing company that provides health, ancestry and neanderthal test results

Website: (<https://insito.me>)

Number of Regions Compared: 28

Accuracy: Accurate but vague

Genographic Project: A cornerstone in genetics testing for ancestry with a global perspective

Website: (<https://genographic.nationalgeographic.com>)

Number of Regions Compared: 22

Accuracy: Accurate but limited

DNA Transfers: DNA results from Ancestry DNA and 23 and Me can be transferred to Family Tree DNA and My Heritage. Do so for more potential autosomal matches. Caution, there may be a charge to access matches.

Transfer to Family Tree DNA

<https://www.familytreedna.com/autosomal-transfer>

Transfer to My Heritage

<https://www.myheritage.com/dna/upload>



DNA Testing Company	Number of Regions Compared	Accuracy?
Family Tree DNA	24	Accurate but vague
Ancestry DNA	150 Includes Migrations	Accurate
23 and me	31 175	Generally Accurate Accurate
Living DNA	80 Specialize in UK DNA	Partially Accurate
My Heritage	42	Accurate but vague
<u>TeloYears</u>	70+ Specialize in East Asian DNA	Not Accurate
GPS Origins	41	Not Accurate
<u>Insitome</u>	28	Accurate but vague
<u>Genographic Project</u>	22	Accurate but limited

