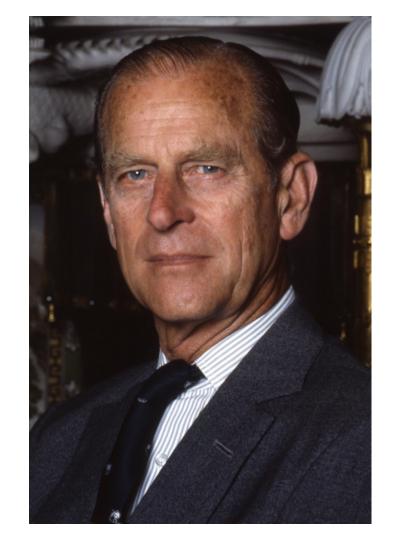
Bridging the Gap

Traditional Genealogy to Genetic Genealogy

what can it do for me?

What is genetic geneaology and





Mitochondrial DNA (mtDNA)

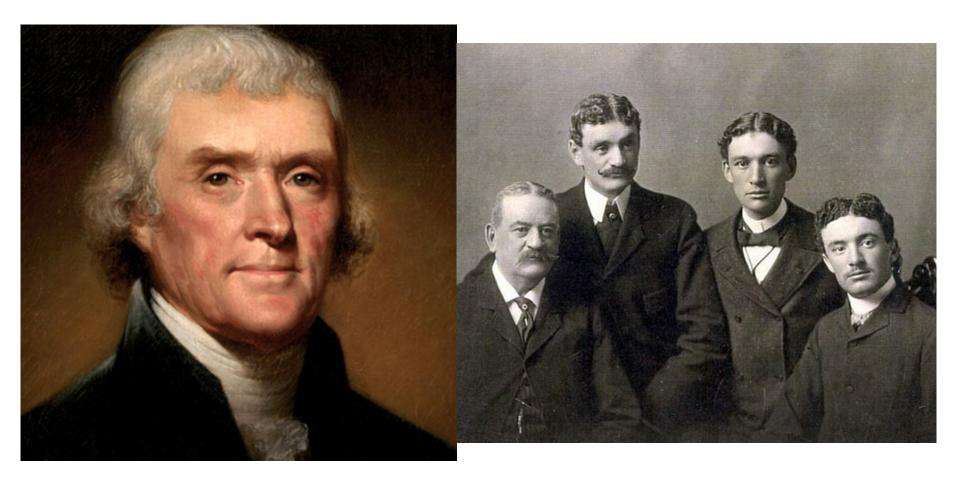
mtDNA is passed exclusively from mother to child, and an mtDNA test reveals information about the test-taker's direct maternal line.

X-chromosomal DNA (X-DNA)

Focuses on the X chromosome, women have two X chromosomes, one from their father and one from their mother; men have one X chromosome from their mother For men, the X-DNA test reveals information about maternal lines. For women, the X-DNA test reveals information about both maternal and paternal lines.

Y-chromosomal DNA (Y-DNA)

Focuses on the Y chromosome, only men have a Y chromosome, and a Y-DNA test reveals information about the (male) test-taker's Y chromosome, which is exclusively passed from fathers to sons.



Autosomal DNA (atDNA)

Humans have 23 pairs of chromosomes 22 are autosomal DNA and one is sex chromosomes. One copy of each chromosome is inherited from the mother and one copy from the father. An atDNA test reveals information about both paternal and maternal lines. Most common type of test, Ancestry & 23andme

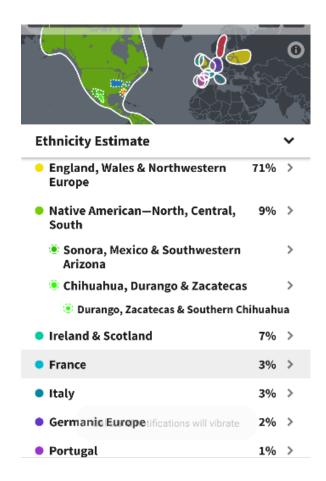
Why DNA test?

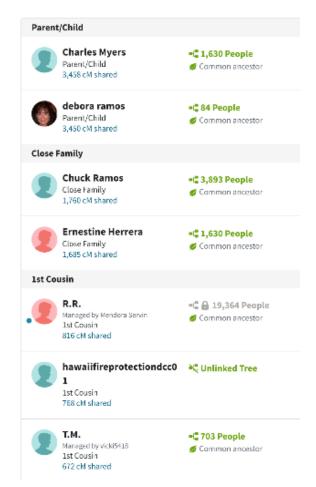
- Verify questionable findings

- Break down brick walls

- It's fun!!

Ethnicity Estimates and Matches





Using matches to break down brick walls

- Analyze your matches (choose who to concentrate on, review their trees and/or lack thereof)
- 2. Build out trees (yours and theirs)
- 3. Find your most recent common shared ancestor
- 4. Connect the dots

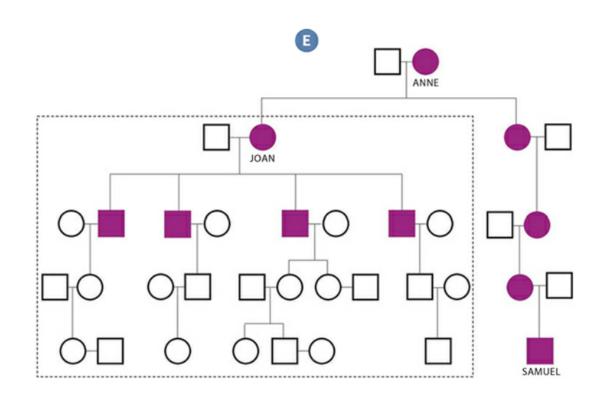
DNA Clues

- mtDNA, maternal line

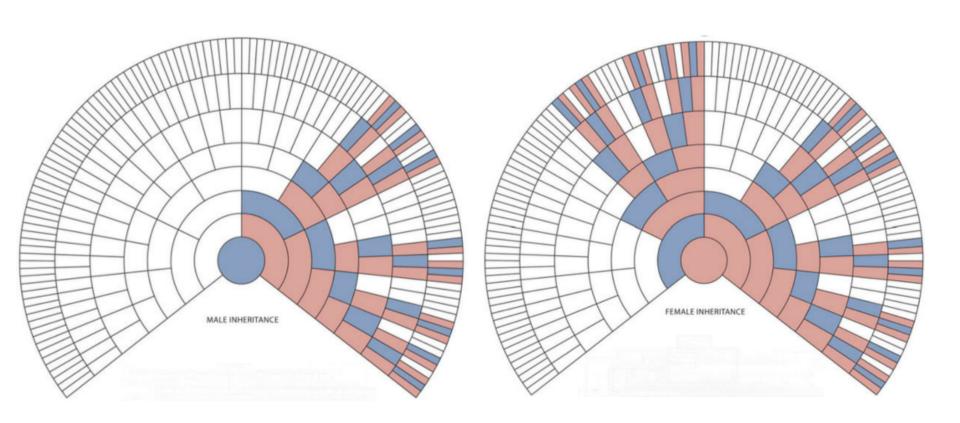
- Y-DNA, paternal line

- X-DNA, inheritance pattern

mtDNA & Y-DNA



X-DNA



<u>Digging Deeper</u>

The Family Tree Guide to DNA testing and genetic geneaology by Blaine Bettinger

Gedmatch

DNAgedcom

DNA2tree

Genetic Affairs (Collins Leeds Method)

Meggz.Thompson@gmail.com

