



Utilizing Your Autosomal DNA to its Fullest Potential

- Finding Cousins
- Breaking Down Brickwalls

• How do I download my raw DNA?

- Different companies have different processes. Just google your company and find the instructions.
- <https://support.ancestry.com/s/article/Requesting-a-Download-of-Your-Account-Data>
- <https://customercare.23andme.com/hc/en-us/articles/212196868-Accessing-Your-Raw-Genetic-Data>
- <https://faq.myheritage.com/en/article/how-do-i-download-my-raw-dna-data-file-from-myheritage>
- <https://learn.familytreedna.com/autosomal-ancestry/universal-dna-matching/may-download-family-finder-raw-data/>

Now What Do I Do with the Raw DNA?

Upload to:

FtDNA, Gedmatch, My Heritage

All are free, but a one-time small fee
if you want to use the tools.

How Do I Use DNA Shared Matches?



Shared Matches
& Through Lines



Shared DNA Matches
& Theory of Family Relativity



Paternal or Maternal
& In Common/Not in Common



Find Relatives in Common
& Family Tree



One to Many or One to One

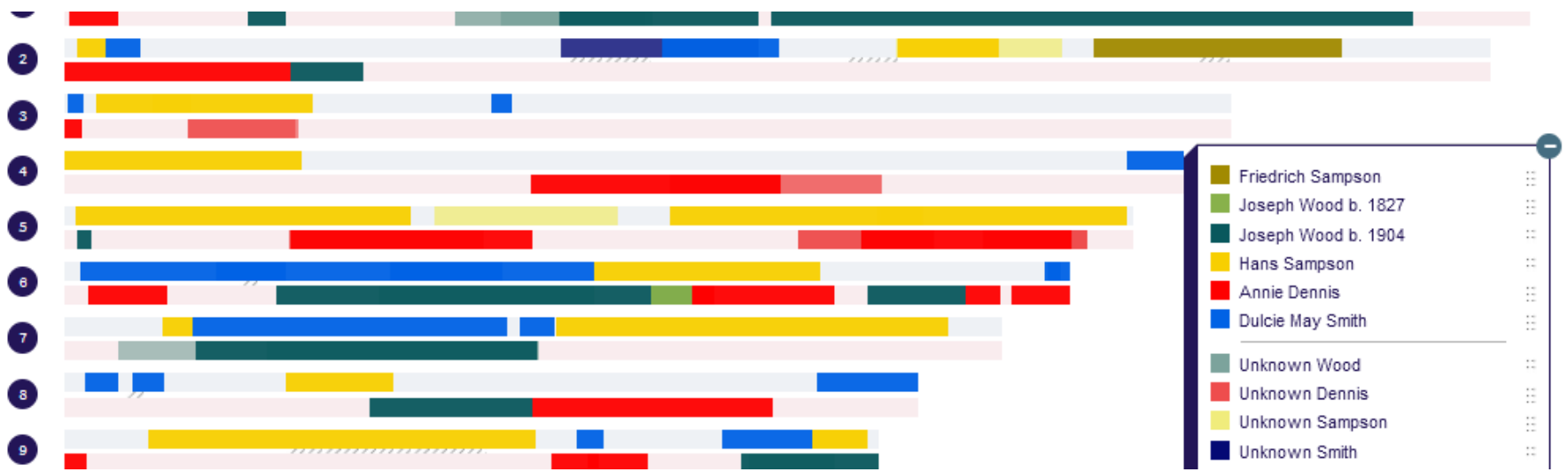
Other Online Tools...

Family Search

Wiki Tree

YouTube videos

Website help videos



DNA PAINTER

WATO?

What Are the Odds? [Show tips](#) [Read the FAQ](#) [New interface!](#) [switch to beta probabilities](#)

Switch tree ▼

Target name: Hodges parentage Cecil Edward Ingle **Birth year:** 1930

[New](#) [Load](#) [Save](#) [Share](#) [Clear](#)

My research question is:
Who are the Great-grandparents of Cecil Edward Ingle?

[→ SUGGEST HYPOTHESES](#) [→ REMOVE SUGGESTED HYPOTHESES](#)

i You have one or more hypotheses that are possible
[↓ View score calculation](#) [↓ View ranking of hypotheses](#)



The Shared cM Project – Version 3.0

August 2017

Blaine T. Bettinger
 www.TheGeneticGenealogist.com
 CC 4.0 Attribution License

How to read this chart:

Aunt/Uncle	← Relationship
1750	← Average
1349 - 2175	← Range (low-high) (99% Percentile)

Grandparent 1766 1156 - 2311			Great Aunt/Uncle 914 251 - 2108	
Parent 3487 3330 - 3720		Aunt/Uncle 1750 1349 - 2175	⋮	
Half-Sibling 1783 1317 - 2312	Sibling 2629 2209 - 3384	SELF	1C 874 553 - 1225	2c 233 46 - 515
Half Niece/Nephew 891 500 - 1446	Niece/Nephew 1750 1349 - 2175	Child 3487 3330 - 3720	1C1R 439 141 - 851	2c1R 123 0 - 316
Half Great Niece/Nephew 432 125 - 765	Great-Niece/Nephew 910 251 - 2108	Grandchild 1766 1156 - 2311	1C2R 229 43 - 531	2c2R 74 0 - 261

Shared Centimorgan Project

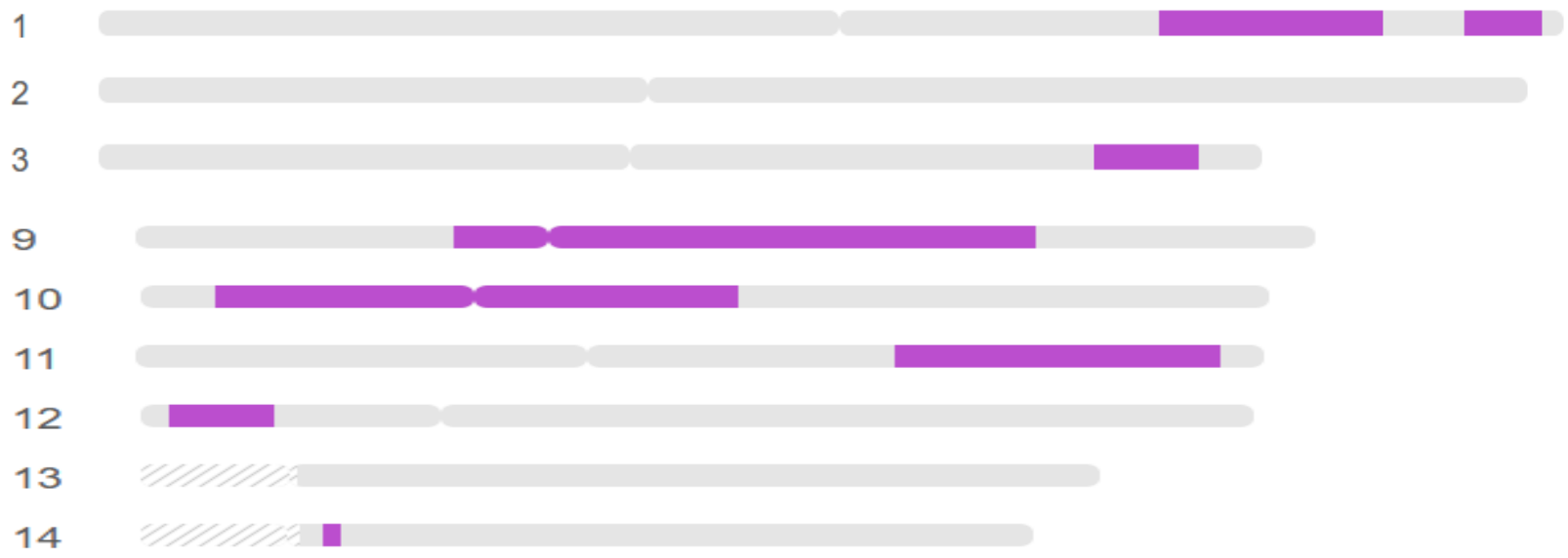
Chromosome Browser

Chromosome Browser – Shared DNA Segments

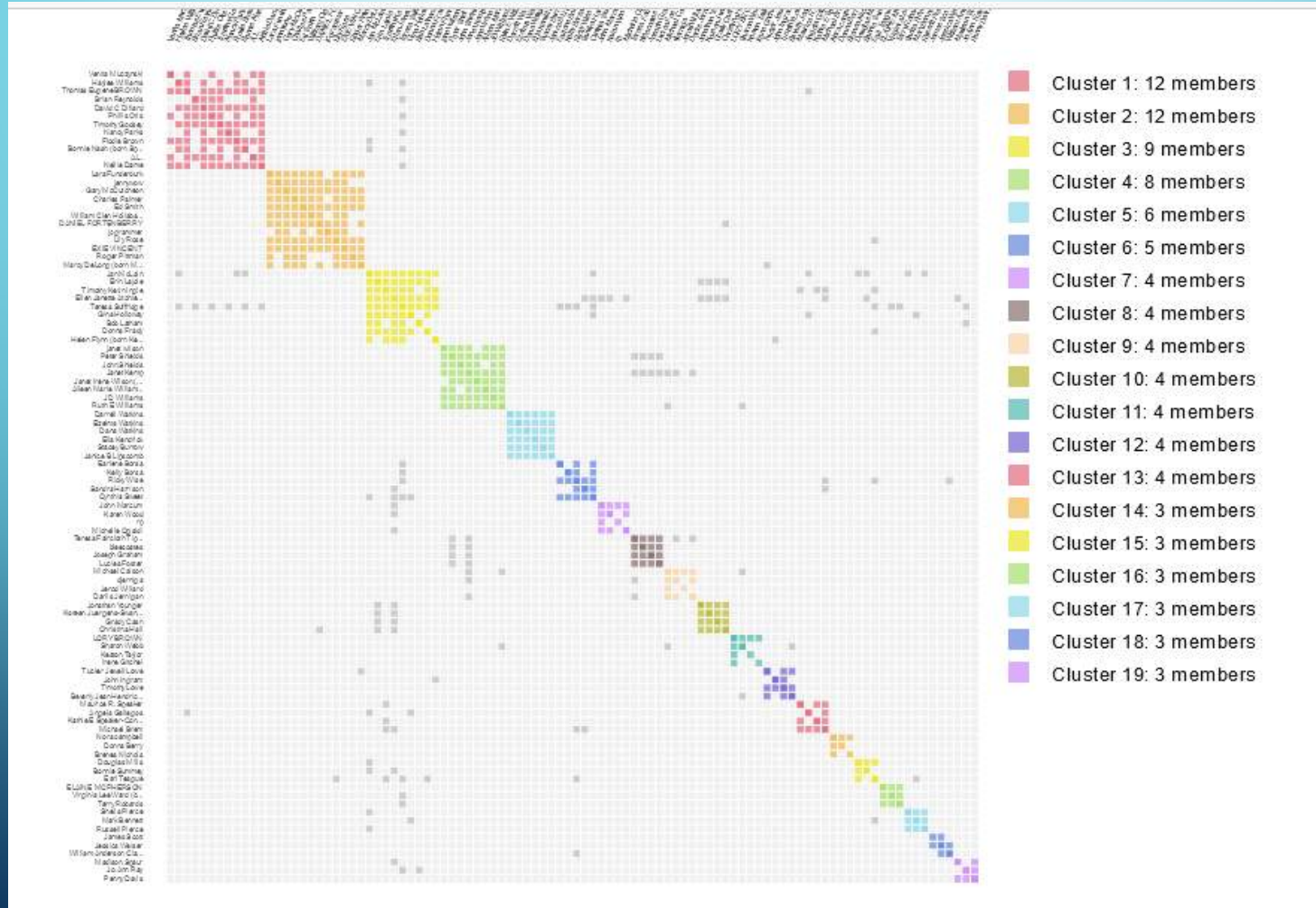
Teresa Suffridge and you share 10 DNA segments.

Advanced options ▾

■ Shared DNA segment ■ No shared DNA segments ▨ Not sampled



Chromosome Maps



How to Search for Contemporary Matches

Build their tree yourself

Google is your friend!

Online obituaries and Find A Grave

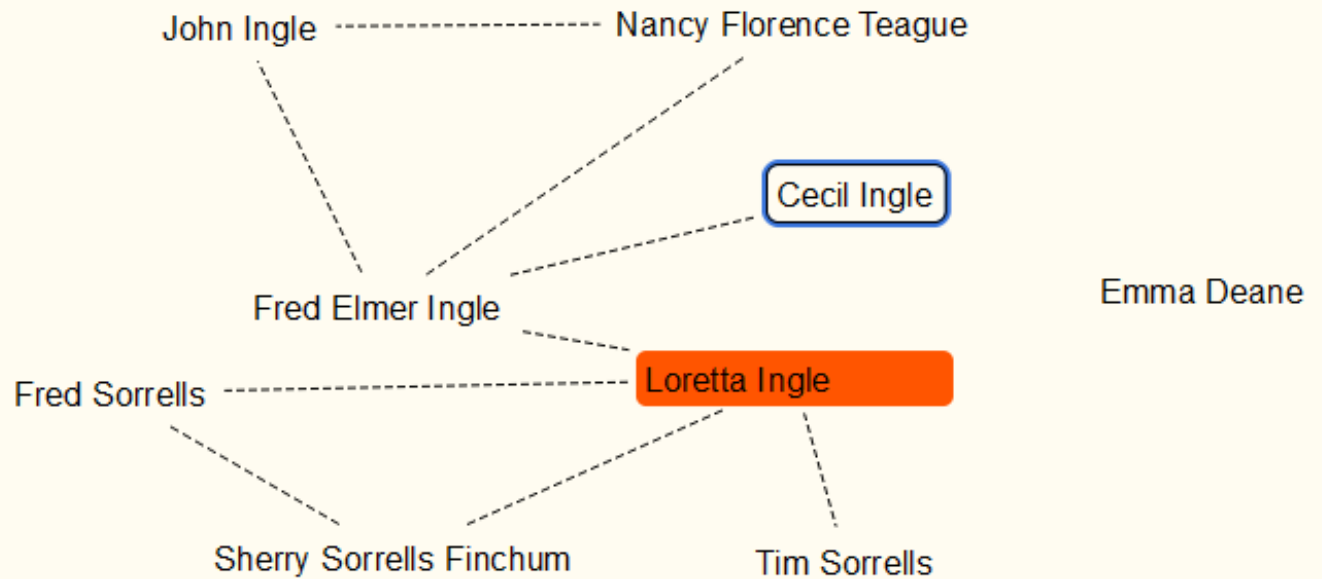
My Life, ClustrMaps, Peoplefinder, Radaris

Social Media: FaceBook, Twitter, LinkedIn

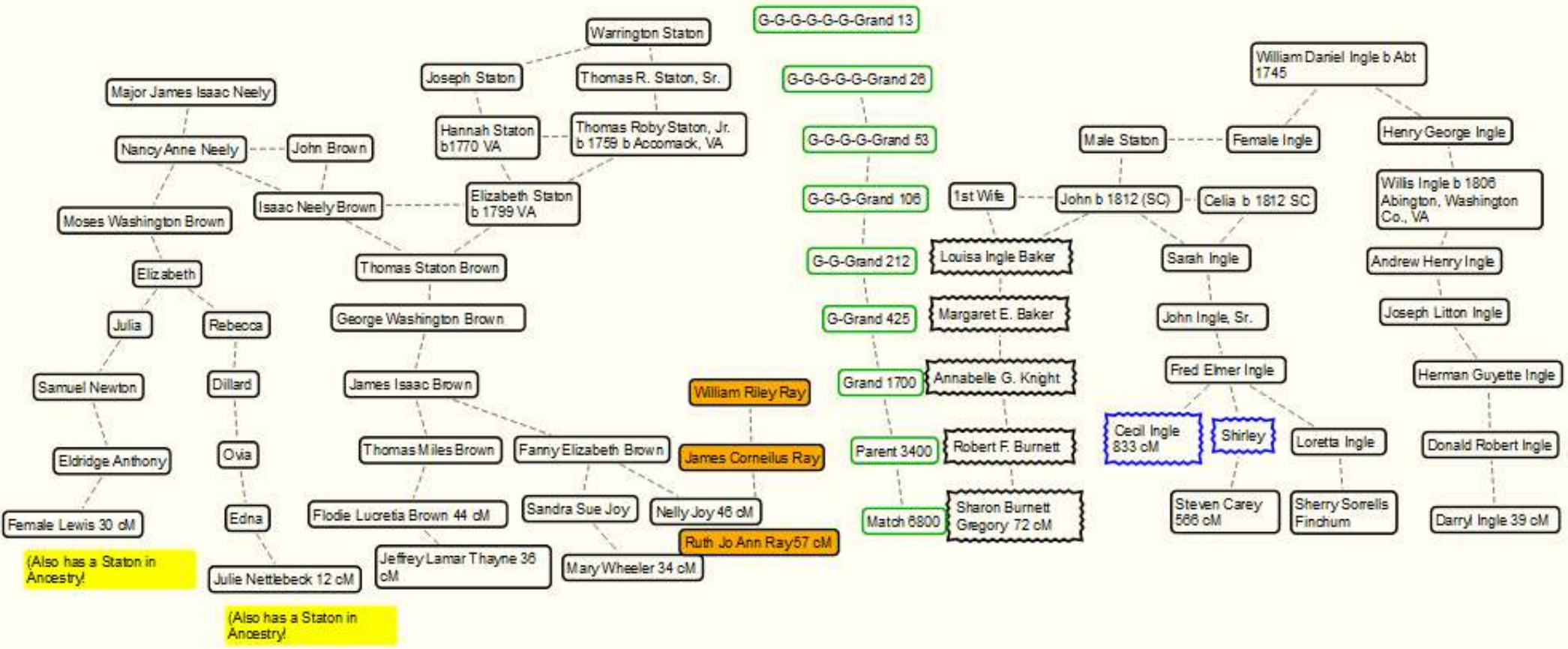
Another Tool...

Scappie

(\$18 software fee)



Common Ancestor



Additional Resources

Genetic Affairs creates chromosome maps

Living DNA (International)

Geneanet