

# Ancestry DNA Topics

April 2024

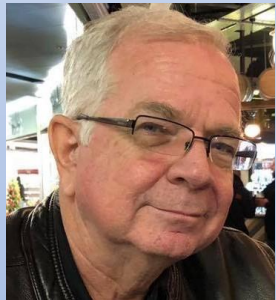
Sunland Springs Genealogy

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Illustrations of.com #60477

All slides and handouts can be found at:

<http://www.familytreeaz.com/Presentations/>



QR Code: take photo to  
open to presentations

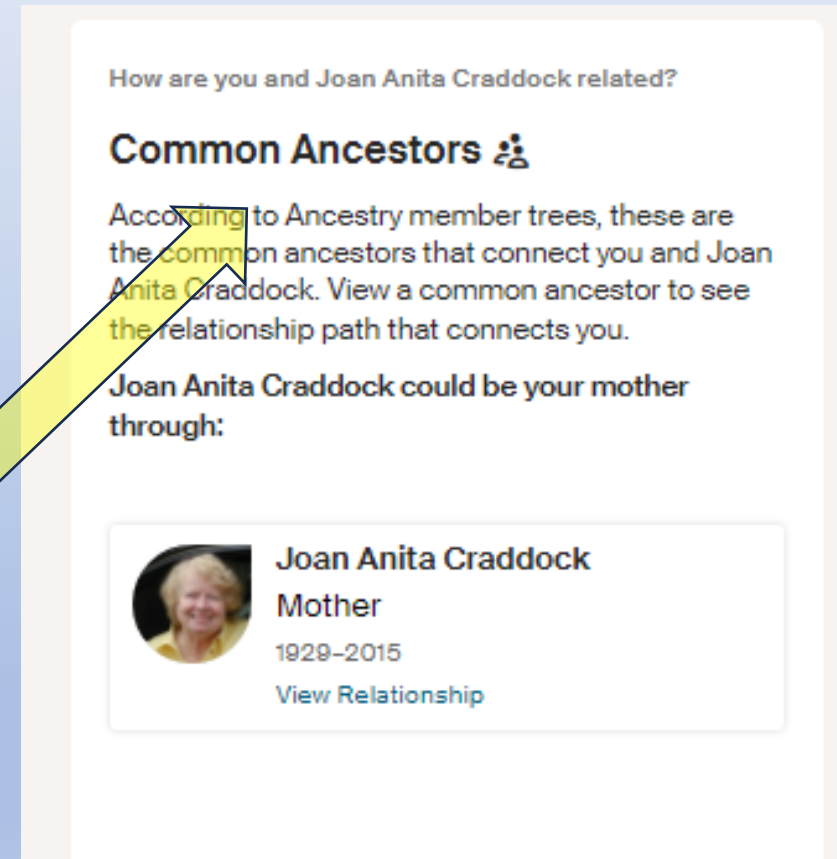
# Topics --- All AncestryDNA

- Linking tree to Ancestry DNA kit
- ThruLines
- Ancestry Tag Groups
- Ancestry SideView
- Ethnicity Estimates
- Downloading a List of Matches from Ancestry

# Linking Family Tree to DNA Kit

# Linking Your Family Tree to Your DNA Kit

- Linking your tree properly is very important to get the most out of discovering how you are related to your DNA matches (and vice versa)
- It's a simple process and only takes a couple of minutes
- Linking enables others to get Shared Ancestor Hints to you
- Linking also allows proper display of your tree to other matches




How are you and Joan Anita Craddock related?

### Common Ancestors

According to Ancestry member trees, these are the common ancestors that connect you and Joan Anita Craddock. View a common ancestor to see the relationship path that connects you.

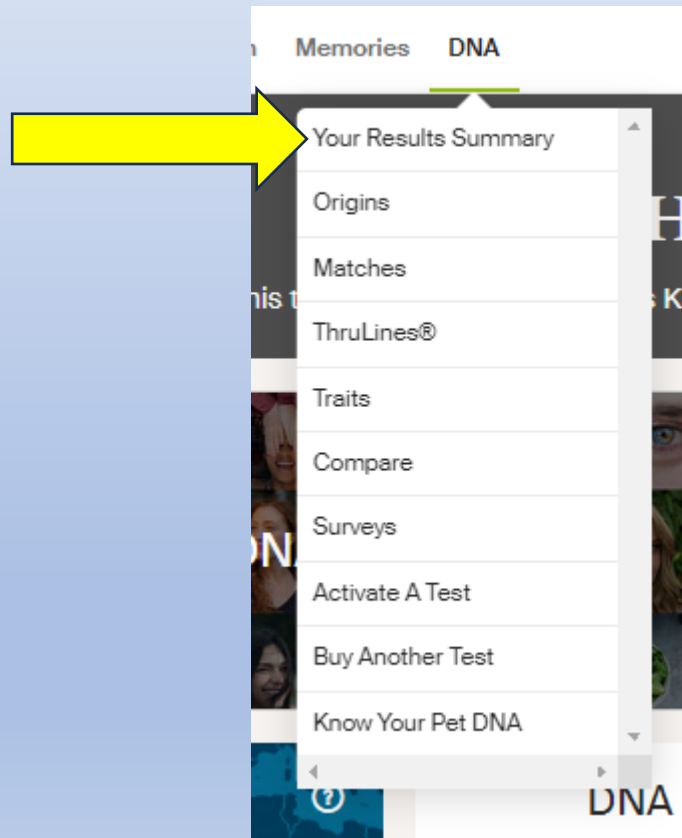
Joan Anita Craddock could be your mother through:



**Joan Anita Craddock**  
Mother  
1929-2015  
[View Relationship](#)

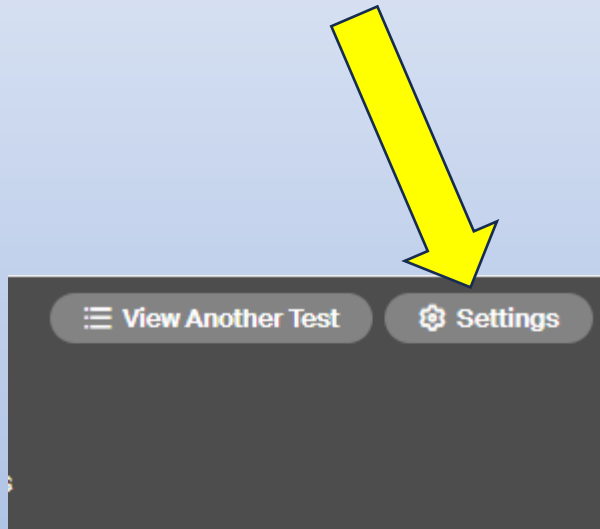
# Linking Your Family Tree to Your DNA Kit

- First step, open Ancestry DNA and click on “Your Results Summary”

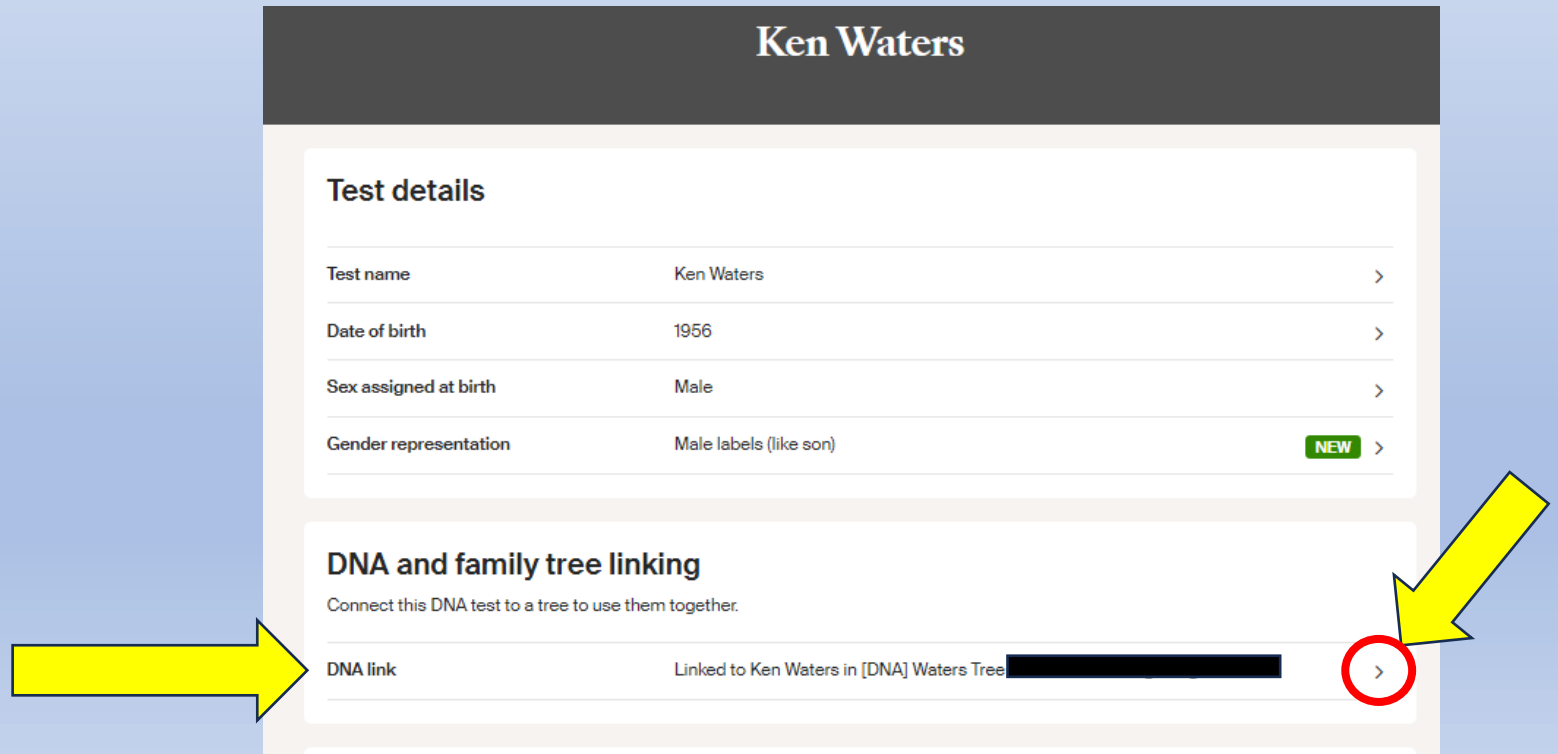


# Linking Your Family Tree to Your DNA Kit

- Click on “Settings”



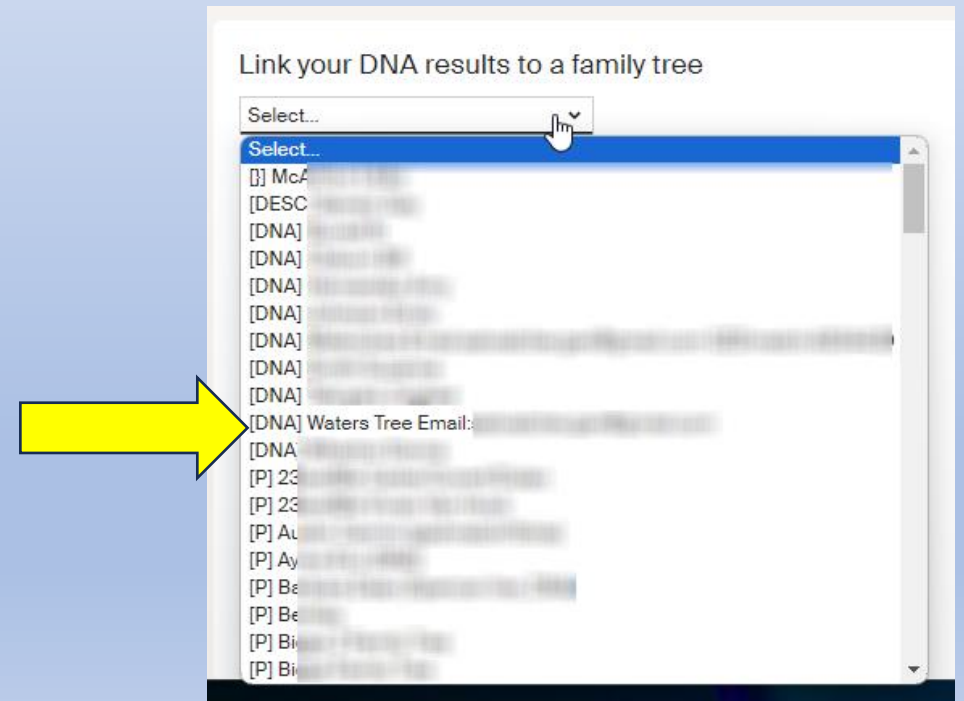
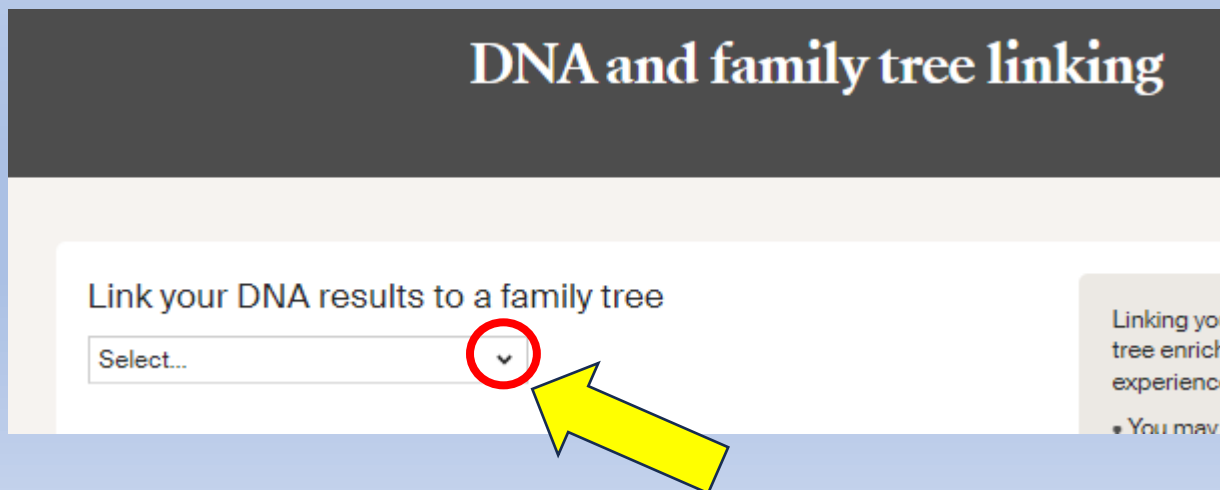
- Scroll down a bit to “DNA and family tree linking” and click on the right pointer



# Linking Your Family Tree to Your DNA Kit

- Drop down the selection box to select the proper family tree to link to the test---MAKE SURE the test taker is included in the family tree!

- Scroll down a bit to “DNA and family tree linking” and click on the right pointer





# Linking Your Family Tree to Your DNA Kit

- Enter enough details in first and last name to see the name of the tester and select that person
- Click Link “DNA results”

The image shows a two-step process for linking a DNA kit to a family tree. The first step is a search interface titled 'DNA and family tree linking'. It prompts the user to 'Link your DNA results to a family tree' and asks them to 'Please tell us who you are in your family tree'. The user has entered 'Ken Waters' in the first name field and 'Last Name' in the last name field. A dropdown menu shows search results for 'Ken Waters (1956 - )'. A yellow arrow points to this dropdown. The second step is a confirmation dialog titled 'Link your DNA results to a family tree'. It shows the selected family tree '[DNA] Waters Tree Email:satwatche' and the name 'Ken Waters'. A yellow arrow points to the 'Link DNA results' button.

**DNA and family tree linking**

Link your DNA results to a family tree

[DNA] Waters Tree Email:satwatche ▾

Please tell us who you are in your family tree

First name Last name

Ken Last Name

Ken Waters (1956 - )

Linking your tree enriches your experience

- You may want to link your DNA results to see if you are related to other people in your family tree
- You may want to link your DNA results to see if you are related to other people in your family tree
- Inform your family tree with you
- You can see a family tree with you
- Linking your family tree connects you to other people in your family tree
- [Learn more about linking your family tree](#)

Link your DNA results to a family tree

[DNA] Waters Tree Email:satwatche ▾

Please tell us who you are in your family tree

Ken Waters

[Link DNA results](#) [Cancel](#)

ThruLines

# ThruLines

[Home](#) > [AncestryDNA®](#)

## AncestryDNA® ThruLines®

ThruLines® shows you how you may be related to your DNA matches. ThruLines are based on information from family trees they don't change the information in trees. If there's inaccurate information in your tree, you may receive inaccurate ThruLines. Only you and anyone you've invited to view your DNA results can see your ThruLines.

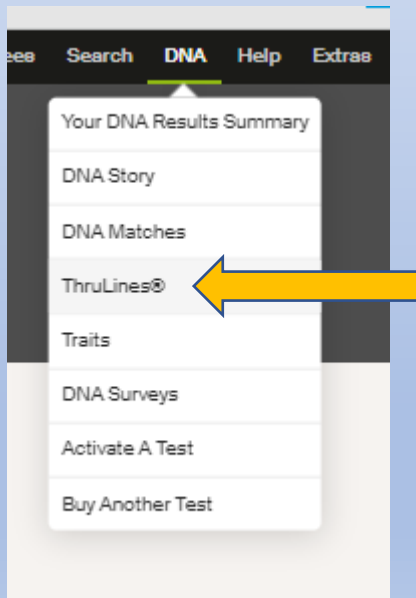
We use the family tree linked to your test to find people who are in your tree and are also in your matches's linked trees. If your tree is private and not searchable, you won't be able to see ThruLines, and information from your matches' trees that are private and not searchable won't be available to you. DNA matches may appear in more than one of your ThruLines.

ThruLines are available for ancestors through 5th great-grandparents. ThruLines won't appear for 6th great-grandparents and beyond.

You must have a public tree (or private but searchable) and have it linked to your DNA kit in order to see any ThruLines.

# ThruLines

- Starting with parents
- Goes down to 5<sup>th</sup> great-grandparents



**Elizabeth R. Randolph**  
5th great-grandmother  
1778-1837

In your tree

**Manuel Silveira da Rosa**  
5th great-grandfather  
-1798

POTENTIAL ANCESTOR

Not in your tree

**Ken Waters's DNA Matches**  
View [DNA] Waters Tree Email:satwatchergen@gmail.com

All matches By parent **BETA** By ancestor By location

Filters ▾

ThruLines®  
ThruLines shows you how you may be related to your DNA matches through ancestors you share. You get ThruLines when ancestors from your tree are also in a match's tree. Pick an ancestor to see which matches descend from them. [Learn more about ThruLines.](#)

Parents

 <b>Richard Joseph Waters</b> Father 1910-1979	 <b>Joan Anita Craddock</b> Mother 1929-2015
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Grandparents

 <b>Joseph John Waters</b> Paternal grandfather 1898-1965	 <b>Caroline Margaret Sylvia</b> Paternal grandmother 1893-1963	 <b>Charles Noble Craddock</b> Maternal grandfather 1905-1983	 <b>Mardell Lillian Huntley</b> Maternal grandmother 1908-2005
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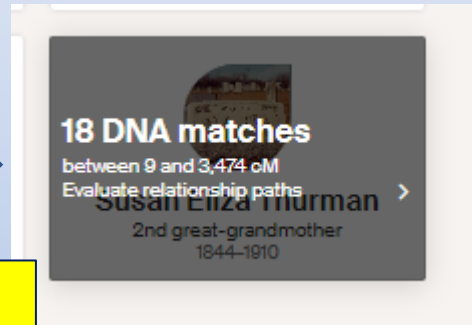
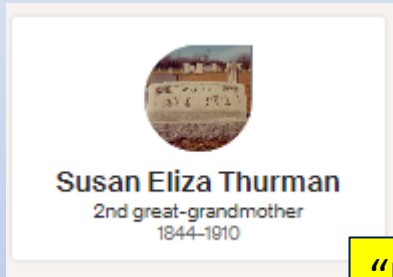
Great Grandparents

 <b>John Waters</b> Great-grandfather 1860-	 <b>Irene Agnes Berkley</b> Great-grandmother 1869-1907	 <b>Joaõ John da Silva (Sylvia)</b> Great-grandfather 1845-1932	 <b>Caroline C. Lemos</b> Great-grandmother 1874-1913
 <b>Charles Noble Craddock</b> Great-grandfather 1868-1950	 <b>Mary Ellen Wood</b> Great-grandmother 1870-1930	 <b>Nellie Julia Spencer</b> Great-grandmother 1878-1932	

2nd Great Grandparents

 <b>Terence Waters</b> 2nd great-grandfather 1825-1902	 <b>Sabina Gallagher</b> 2nd great-grandmother 1830-1901	 <b>Joseph Mortimer Berkeley</b> 2nd great-grandfather 1848-1880	 <b>Mary Ann Wheeler</b> 2nd great-grandmother 1848-1913
 <b>Manuel Correia da Silva</b> 2nd great-grandfather	 <b>Luisa Candida</b> 2nd great-grandmother	 <b>Feliciano Machado De Lemos</b> 2nd great-grandfather	 <b>Delfina Candida San Jose</b> 2nd great-grandmother

# Look at quantity (and \*quality\* of those DNA matches)



“Mousing”  
over a name  
can reveal the  
number of  
DNA matches  
Ancestry finds

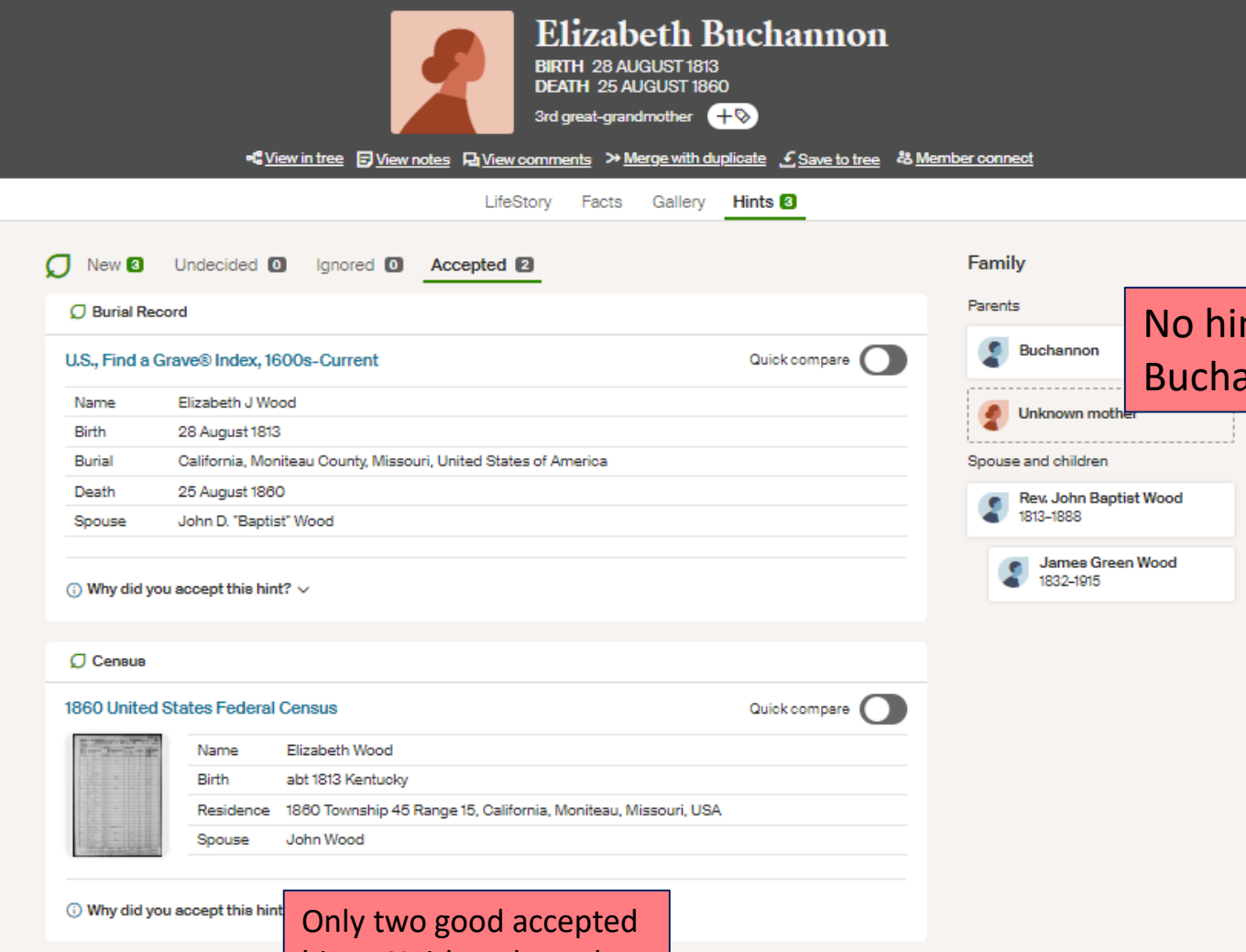
Be careful: having a lot of DNA matches may simply be because of your close tested matches

You need “breadth” of matches from other matches outside your close family

TIP: Try moving the mouse over each person. When you see lots of matches that is an indication that the person in the tree may be properly placed.

# My 3<sup>rd</sup> Great-grandmother

- This was entered as found from one of my known cousin's tree
- Only a couple of sources with none showing birth surname



The screenshot shows a genealogy profile for Elizabeth Buchannon. The profile header includes her name, birth date (28 August 1813), death date (25 August 1860), and her relationship to the user (3rd great-grandmother). Below the header are navigation options: View in tree, View notes, View comments, Merge with duplicate, Save to tree, and Member connect. The main content area is divided into sections: LifeStory, Facts, Gallery, and Hints (3). The Hints section is active, showing a list of hints with status indicators: New (3), Undecided (0), Ignored (0), and Accepted (2). Two hints are expanded, showing details from the U.S., Find a Grave® Index, 1600s-Current and the 1860 United States Federal Census. Both hints list Elizabeth Wood as the name, with birth dates around 1813 and spouses John D. "Baptist" Wood and John Wood. The Family section on the right shows parents (Buchannon and Unknown mother) and spouse and children (Rev. John Baptist Wood 1813-1888 and James Green Wood 1832-1915).

Hint Source	Name	Birth	Death	Spouse
U.S., Find a Grave® Index, 1600s-Current	Elizabeth J Wood	28 August 1813	25 August 1860	John D. "Baptist" Wood
1860 United States Federal Census	Elizabeth Wood	abt 1813 Kentucky		John Wood

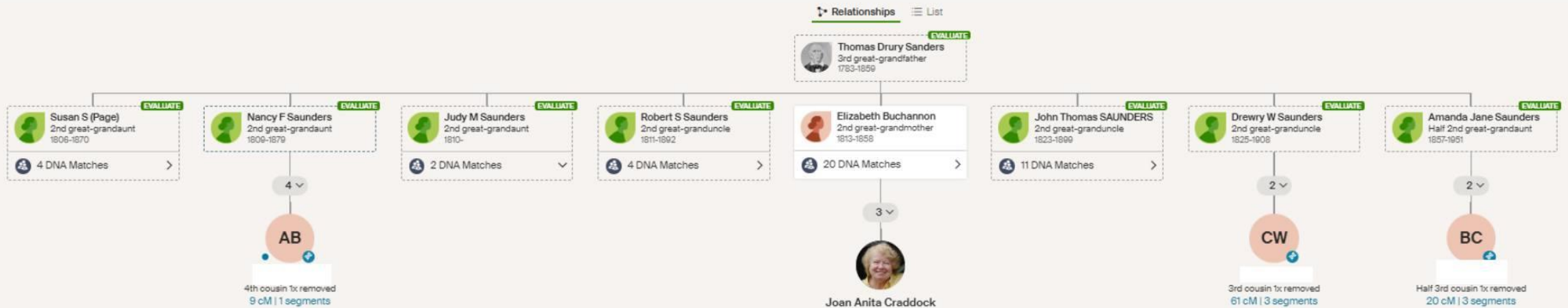
No hints for father Buchannon

Only two good accepted hints. Neither shows her surname as Buchannon

# Surprise DNA Matches when opening ThruLines

## ThruLines® for Thomas Drury Sanders

ThruLines® uses Ancestry® trees to suggest that Joan Anita Craddock may be related to 44 DNA matches through Thomas Drury Sanders.



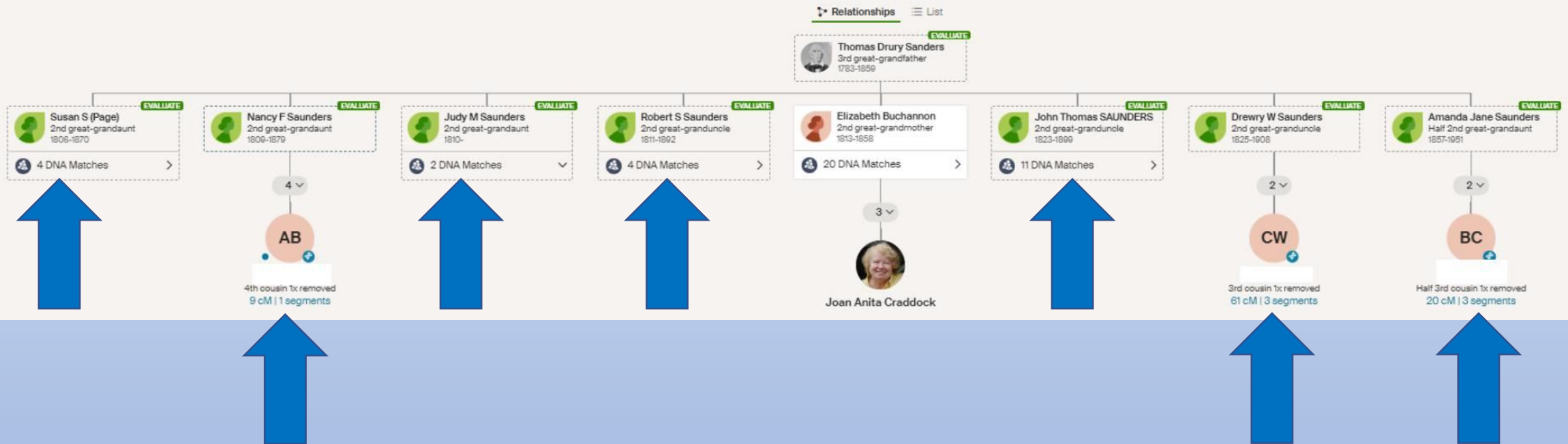
Ancestry found many matches shown as descending from Elizabeth Buchannon's siblings

61 cMs, strong match!

# Surprise DNA Matches

## ThruLines® for Thomas Drury Sanders

ThruLines® uses Ancestry® trees to suggest that Joan Anita Craddock may be related to 44 DNA matches through Thomas Drury Sanders.



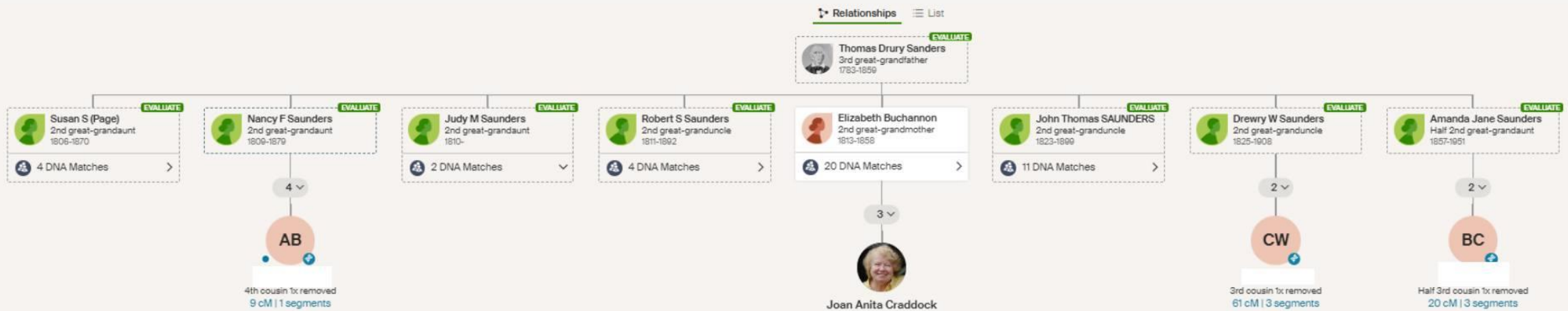
Note the breadth of matches from so many siblings! Very good sign of validation



# Surprise DNA Matches

## ThruLines® for Thomas Drury Sanders

ThruLines® uses Ancestry® trees to suggest that Joan Anita Craddock may be related to 44 DNA matches through Thomas Drury Sanders.



What does this mean??

Likely that “Buchannon” is not Elizabeth’s actual surname but it may be Saunders/Sanders instead

The large number of DNA matches that descend from the other Saunders siblings seems to indicate this!

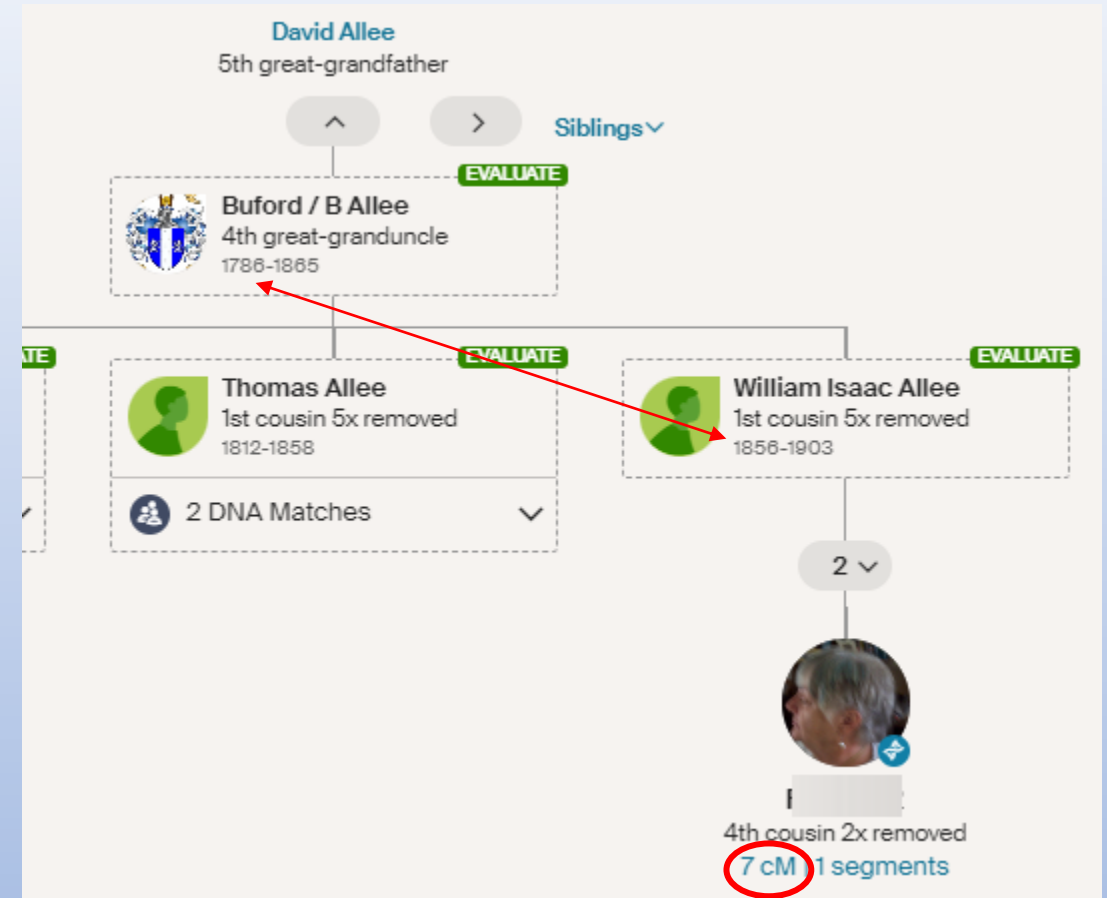
Need to dig deep: look at public trees of these siblings

Build Q&D trees for this line to look for confirmatory sources

A limitation: These people were all born a few decades before the 1850 census

# Be Careful

- This is an example of a possible connection to my 5<sup>th</sup> Great-Grandfather
  - Two red flags here:
    - William Allee is shown as born to father Buford Allee when Buford was 70 years old (yes....it's possible....but....!)
    - The match is only 7 cMs which could very well be a false match
- In my opinion, I would disregard this match entirely!



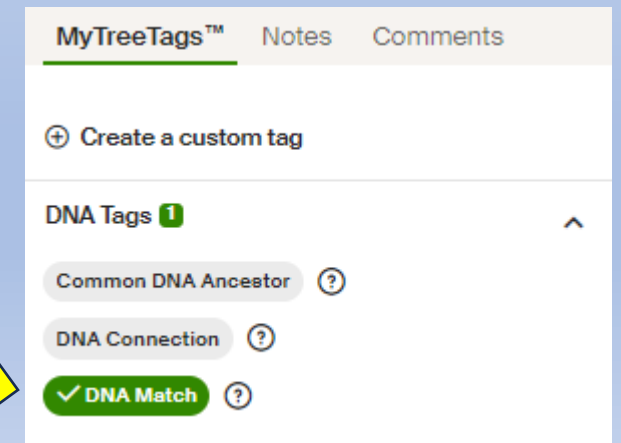
# ThruLines -- Verify

- Check each person in the descendency line
  - Make sure none are born after the parent died
  - Make sure none show a parent > 100 years when they were born
- Be very skeptical of any suggestions of DNA matches 10 cMs or less
- Be suspicious of a wide date range of sibling births
- Be suspicious of any alleged line that only has one DNA match (could indicate a number of issues including, possibly, with your tree)



# ThruLines – Bottom Line

- Works only off of existing family trees: YOURS and others
- **If there are errors in others' family trees that can lead to errors in ThruLines**
- My experience is that most ThruLines hints are good, maybe 80-90%
- **ALWAYS VERIFY**
- Once I've verified the ThruLines hint is valid I may want to go into my own linked tree and add this person (and his/her line) into my tree
- I also like to use the MyTreeTag feature for the DNA link



# Tag Groups

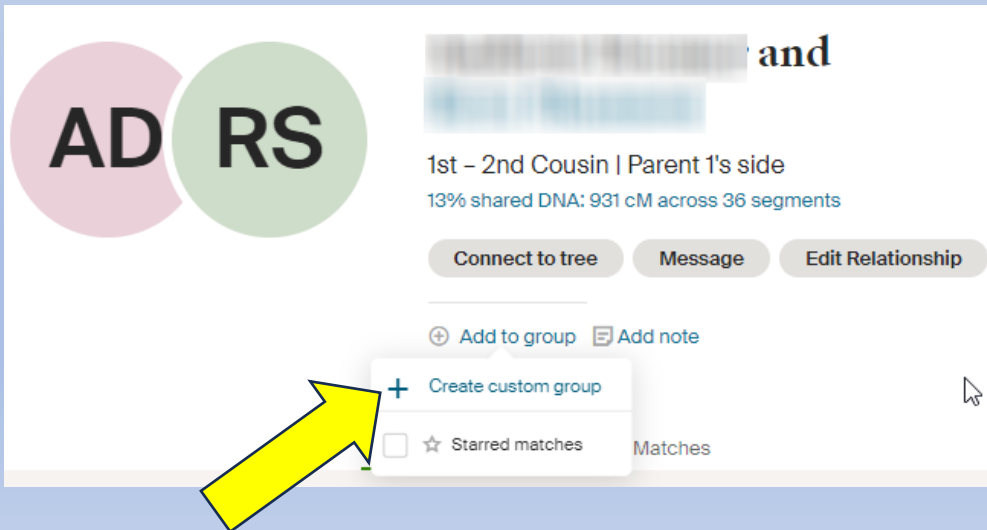
# Tag Groups

- Ancestry has a great feature called Tag Groups
- 24 colored dots that can be used to sort your matches
- Typical use would be to sort along ancestral lines

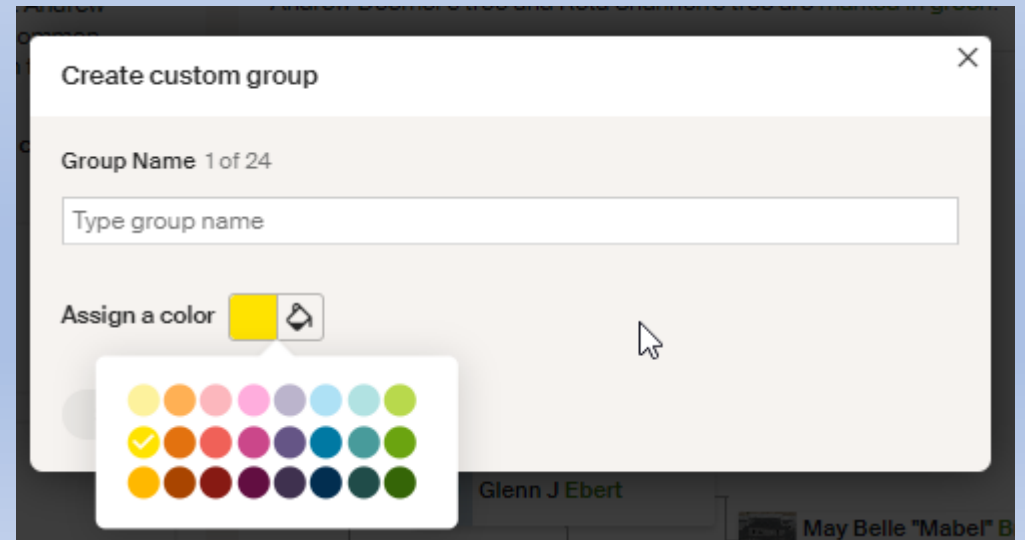


# Tag Groups

- Getting Started:
  - Start at the top with stronger matches and, one by one, create new tag groups
  - Click “Create custom group”

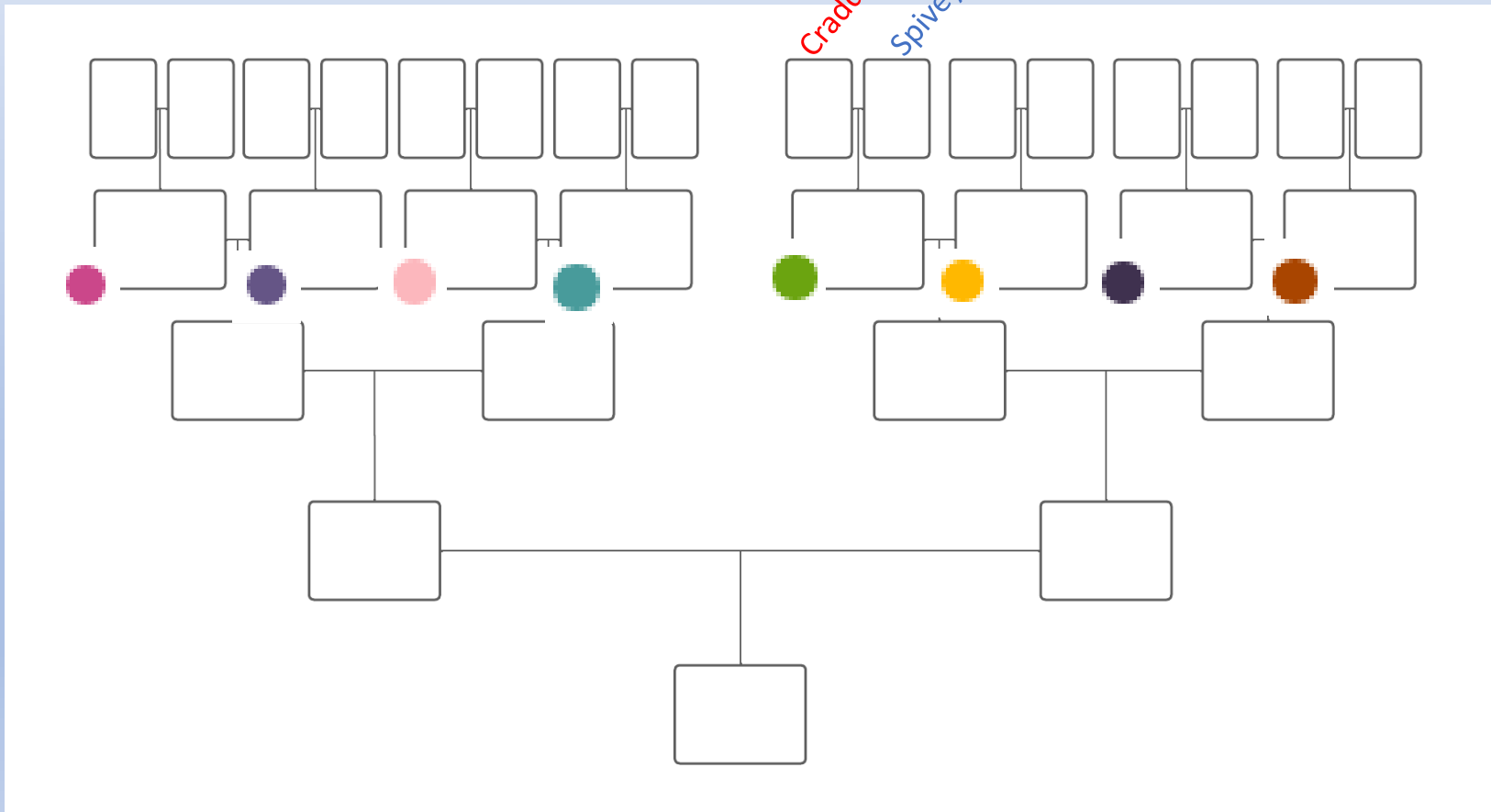


- Choose the name and color



# Tag Groups

- Suggested Strategy: Assign a different color to each of your 8 great-grandparent lines



TIP: I like to include both surnames of the parents in the name

<input type="checkbox"/>	1 - Waters/Unknown (40)
<input type="checkbox"/>	2 - Berkley/Wheeler (38)
<input type="checkbox"/>	3 - Sylvia/Correia (90)
<input type="checkbox"/>	4 - Lemos/San Jose (154)
<input type="checkbox"/>	5 - <u>Craddock/Spivey</u> (186)
<input type="checkbox"/>	6 - Wood/Thurman (262)
<input type="checkbox"/>	7 - Unknown/Unknown MYSTERY (9)
<input type="checkbox"/>	8 - Spencer/Cummings (208)



# Tag Groups

- Once you've set up groups for each of the 8 great-grandparent lines it becomes much easier to add other (or new) matches into the group!
- Here I am looking a list of matches all sharing with each other in my maternal great-grandmother's line

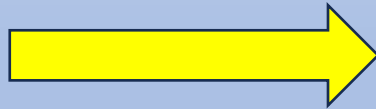
7 - Unknown/Unknown  
MYSTERY (9)

8 - Spencer/Cummings (208)

Berkley/Berkeley line from  
DC (42)

Dad's non-Portuguese side

Reset Apply



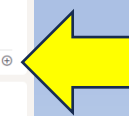
Ken Waters's DNA Matches  
View [DNA] Waters Tree Email:satwatchergen@gmail.com

All matches By parent By ancestor By location

Filter by: Unviewed Common ancestors Notes Trees Shared DNA Groups Reset filters Search | Sort

Distant Family

	4th - 6th Cousin 49 cM   < 1% shared DNA Maternal side	Unlinked Tree	Do you recognize them? Yes Learn more
	2nd cousin 2x removed 46 cM   < 1% shared DNA Maternal side	No Trees	View match
	4th - 6th Cousin 44 cM   < 1% shared DNA Maternal side	No Trees	Do you recognize them? Yes Learn more
	3rd cousin 3x removed 41 cM   < 1% shared DNA Maternal side	Public linked tree 1,323 People Common ancestor	View match



Displaying all members of this tag group yields a match that likely should be added

# Tag Groups

- Since I have 24 “dots” available to use and I only have 8 great-grandparents, I still have 16 left to use
- I like to use the remainder for various things including:
  - Mystery genetic networks (I call these “DNA Islands”)
  - Matches with no shared matches
  - Matches with various shared matches not showing a pattern
  - Sub-lines, for instance maybe 2a with would be a great-great-grandparent line
  - Very close matches such as 1<sup>st</sup> cousins which would otherwise share 4 of the 8 great-grandparent dots



Gets tiresome and somewhat pointless to keep adding close relatives and clicking so many colored dots!

# Tag Groups

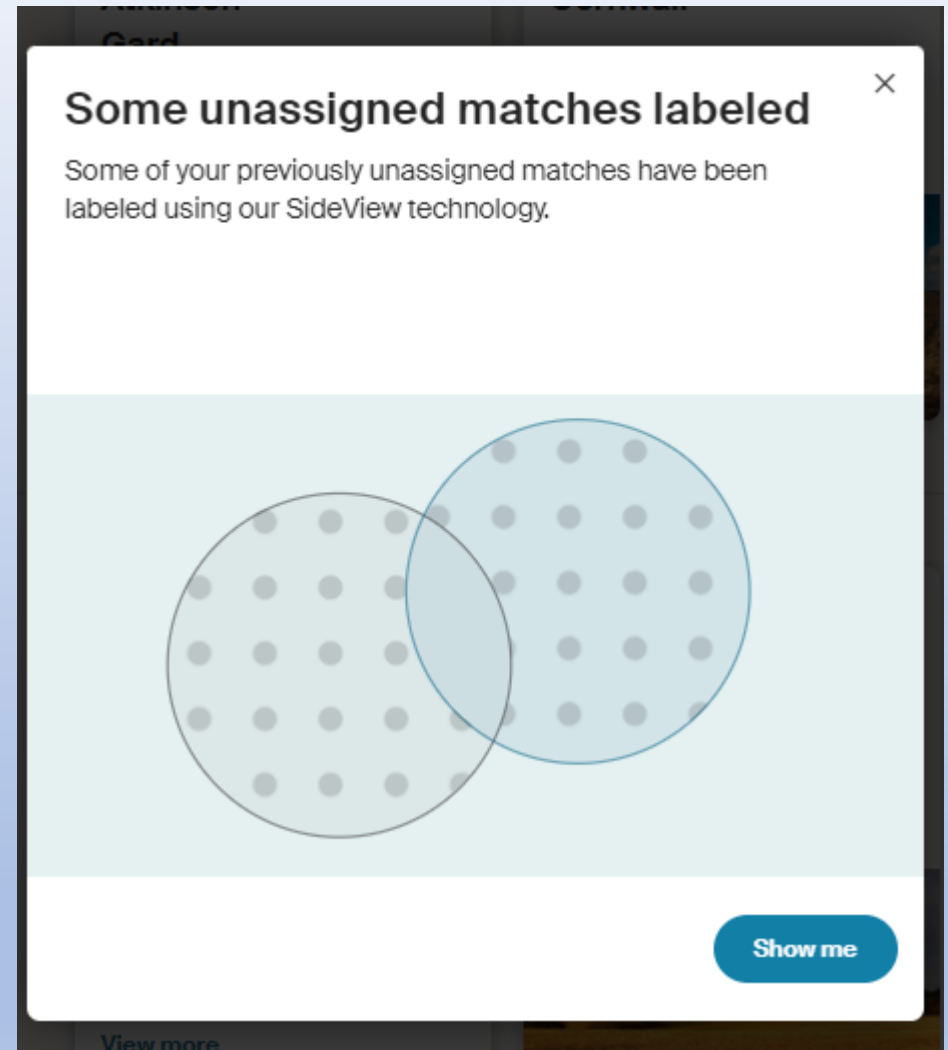
- One last point:
- In February 2024 Ancestry announced they will be offering 64 tag groups (versus the current 24) sometime in the next few months (not yet available as of 3/26/2024)
- To get the increased number, however, one will have to upgrade to the DNA Tools feature (\$10/month)



SideView

# SideView

- SideView was implemented recently, around 2022
- In a nutshell, it's an attempt to organize as many of your matches as possible into two different parental lines
- At first, they will only be labeled as "Parent1" and "Parent2" because Ancestry can't tell which is paternal or maternal




# SideView

- This is an example
- AncestryDNA has sorted over 13,000 matches for this person into 2 parental groups and even collected a list of surnames common to each group
- This is for a tester who was born in Cornwall, England

Updated Mar 2024 **1 LABELLED**

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### Parent 1



6,871 matches

[View matches](#)

Last names in trees

**Atkinson**  
**Gard**  
**Grigg**  
**Taylor**


These are the most common last names which can be found in the trees of their closest parent 1 matches.

[View more](#)

Common communities


**Cornwall**

[View more](#)



Ethnicity inheritance


Parent 1



[View more](#)

---

### Parent 2



6,375 matches

[View matches](#)

Last names in trees

**Anderson**  
**Andrews**  
**Clow**  
**Collins**


These are the most common last names which can be found in the trees of their closest parent 2 matches.

[View more](#)

Common communities


**East of England**

[View more](#)



Ethnicity inheritance

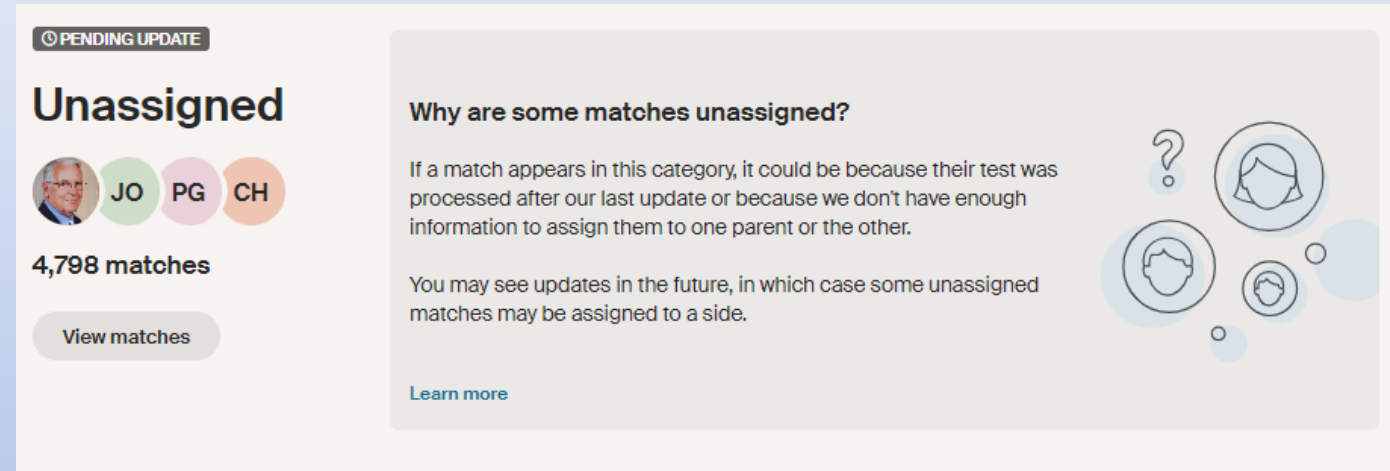
Parent 2



[View more](#)





# SideView

- When AncestryDNA can't figure out which side a match belongs on they'll just assign an "Unassigned" label to it
- This will be most common for the more distant matches, i.e., ones with lower centiMorgan values



© PENDING UPDATE

## Unassigned

4,798 matches


[View matches](#)

### Why are some matches unassigned?

If a match appears in this category, it could be because their test was processed after our last update or because we don't have enough information to assign them to one parent or the other.

You may see updates in the future, in which case some unassigned matches may be assigned to a side.


[Learn more](#)



# SideView

- There's one other category that is possible for a match: "Both Sides"
- This one, in my opinion, is often the most interesting one
- Why?
  - Because it can indicate the possibility of multiple relationships where the test taker is related to the match on both the mother's side and the father's side

**Both sides**

 NB RT YR

8 matches

[View matches](#)

Last names in trees

Cole  
Barnard  
Benstead  
Bentley


These are the most common last names which can be found in the trees of both their maternal and paternal matches.

[View more](#)

**Why are some matches related to both parents?**

They could descend from both parents, be distant relatives who have segments matching both sides, or come from a small population (like an island) that both parents belong to.

[Learn more](#)



An interesting challenge: using the DNA matches try to figure out which two lines the match may be related to the test taker!



# SideView

- When does SideView work well?
  - When the paternal and maternal sides are well-separated from each other
- When does SideView not work well?
  - Pedigree Collapse
  - Especially in cases of endogamy

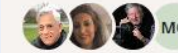
This is an example of a test taker who was identified as 100% Ashkenazi Jewish, a population well-known for endogamy.

Note the **HUGE** number of Unassigned matches; in fact the majority were Unassigned.

Also: note there are nearly 200,000 matches. Much more than most people.

Updated Mar 2024 7 LABELLED

## Parent 1



26,834 matches

[View matches](#)

[Edit parent](#)

Last names in trees

Berliner  
Diamond  
Abraham  
Applebaum

These are the most common last names which can be found in the trees of their closest parent 1 matches.

[View more](#)

Common communities

Ashkenazi Jews in  
Central & Eastern  
Europe

[View more](#)



Ethnicity inheritance

Parent 1



[View more](#)

## Parent 2



21,557 matches

[View matches](#)

[Edit parent](#)

Last names in trees

Cohen  
Ross  
Abrahamow  
Abrahams

These are the most common last names which can be found in the trees of their closest parent 2 matches.

[View more](#)

Common communities

Ashkenazi Jews in  
Central & Eastern  
Europe

[View more](#)



Ethnicity inheritance

Parent 2



[View more](#)

## Both sides



9,542 matches

[View matches](#)

Last names in trees

Halpern  
Ajdelkopf  
Aka  
Berezovsky

These are the most common last names which can be found in the trees of both their maternal and paternal matches.

[View more](#)

Why are some matches related to both parents?

They could descend from both parents, be distant relatives who have segments matching both sides, or come from a small population (like an island) that both parents belong to.

[Learn more](#)



PENDING UPDATE

## Unassigned



133,497 matches

[View matches](#)

Why are some matches unassigned?

If a match appears in this category, it could be because their test was processed after our last update or because we don't have enough information to assign them to one parent or the other.

You may see updates in the future, in which case some unassigned matches may be assigned to a side.

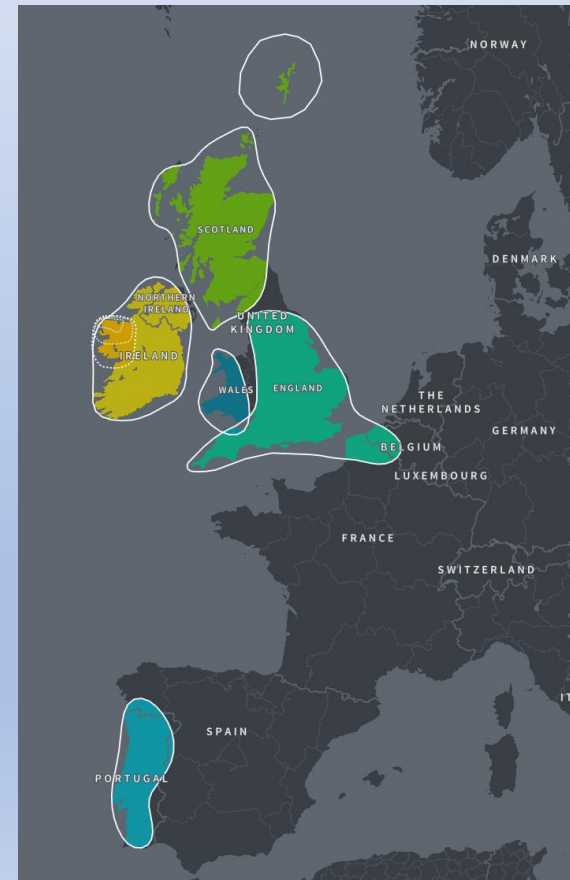
[Learn more](#)



# Ethnicity Estimates

# What About Ethnicity Estimates?

- These are purely estimates and should not be relied on to any great extent
- May be interesting to view but of limited use for genealogy
- **Wide** variation between companies
- Frequent updates can lead to confusing results



# Ethnicity Estimates

- Why all the differences?
  - Each company uses a different “sample panel” of tested people
  - Each company uses its own algorithms (methods) for determining how related a test taker is to this panel of people
  - Each company uses different “geographical” extents or groups to compare test takers from (e.g., what may be “UK” to one company may be English, Irish, Scottish, and Welsh to another company)
  - Also, some population groups are significantly undercounted, or underrepresented in the sample panels as well as in the company’s testing population (e.g., American Indian, Inuit, Eskimo, etc.)

# Ethnicity Estimates

- Often the testing companies will change the ancestry results --- not always for the better!

March 2022

<span style="color: yellow;">●</span> Ireland	36%	>
Your community with a connection to this ethnicity region ⓘ		
<span style="color: orange;">●</span> Connacht, Ireland		>
<span style="color: orange;">●</span> North Connacht		
<span style="color: orange;">●</span> North Mayo		
<span style="color: green;">●</span> Scotland	33%	>
<span style="color: teal;">●</span> England & Northwestern Europe	18%	>
<span style="color: cyan;">●</span> Portugal	9%	>
<span style="color: blue;">●</span> Wales	4%	>

April 2024

<span style="color: green;">●</span> Ireland	33%	>
Your community with a connection to this ethnicity region ⓘ		
<span style="color: green;">●</span> Connacht, Ireland		>
<span style="color: green;">●</span> North Connacht		
<span style="color: green;">●</span> North Mayo		
<span style="color: green;">●</span> North East Mayo & North West Sligo		
<span style="color: blue;">●</span> Scotland	29%	>
<span style="color: red;">●</span> Portugal	17%	>
<span style="color: purple;">●</span> England & Northwestern Europe	17%	>
<span style="color: orange;">●</span> Wales	4%	>



In this case, for me, the estimates seem more accurate. I know that I am 25% Portuguese and it went from 9% up to 17%.

Ancestry DNA estimates for me

# What About Ethnicity Estimates?

## MyHeritage

EUROPE	
<b>Irish, Scottish, and Welsh</b>	<b>55.6%</b>
UK and Ireland	
<b>Iberian</b>	<b>25.9%</b>
<b>Scandinavian</b>	<b>18.5%</b>

Nice sub-county detail!

## Ancestry

<b>Ireland</b>	36%
Your community with a connection to this ethnicity region	
Connacht, Ireland	
North Connacht	
North Mayo	
<b>Scotland</b>	33%
<b>England &amp; Northwestern Europe</b>	18%
<b>Portugal</b>	9%
<b>Wales</b>	4%

## LivingDNA

Europe (North and West)	62.8%
France	56.9%
South Germanic	5.9%
<b>French??!!</b>	
Great Britain and Ireland	30.9%
Ireland	9.2%
Devon	6.6%
South Central England	4.5%
Northern Ireland and Southwest Scotland	3.2%
Southeast England	2.3%
South Wales Border	1.5%
Aberdeenshire	1.3%
Northwest England	1.2%
Cornwall	1.1%
Europe (South)	6.3%
West Iberia	6.3%

## 23andMe

European	99.7%
Northwestern European	85.1%
<b>British &amp; Irish</b>	<b>85.1%</b>
County Mayo, Ireland	
Greater London, United Kingdom	
+18 regions	
Southern European	14.5%
Spanish & Portuguese	13.7%
Azores, Portugal	
+3 regions	
Sardinian	0.6%
Broadly Southern European	0.2%
Broadly European	0.1%
Trace Ancestry	0.3%

## FTDNA

Europe	97%
Western Europe	
England, Wales, and Scotland	50%
Ireland	41%
Eastern Europe	
West Slavic	3%
Southern Europe	
Iberian Peninsula	3%
Middle East & North Africa	<3%
Middle East	
Sephardic Jewish	<3%

These are the ethnicity estimates for me as collected, March 16, 2022

# Ethnicity Estimates

- Can be useful in some cases to give clues about ancestral lines
- But MANY caveats:
  - Estimates are often updated with wide-changing results
  - Some areas very difficult to discriminate from, especially western Europe such as German vs. French (remember---populations move over time!)
  - These are all estimates using statistics --- they can provide HINTS but rarely PROOF of ancestry



Downloading List of Matches from Ancestry



# Downloading List of Matches from Ancestry

- This can be problematic now due to:
  - The recent security incident with 23andMe in October 2023 increasing concerns with all the companies on downloading information from their website
  - Concerns about the amount of computing resources required by the company's servers
- There have been some methods developed but they are highly subject to change
- Ancestry has a history of blocking a number of apps which have tried to download matches (!!!)



# Downloading List of Matches from Ancestry

- My best recommendation is to use a tool called DNAGedcom which does have a cost of \$5/month
- Worked well up until Oct 2023
- Now, it's kind of "hit or miss", mostly miss
- Just tried today, 4/1/2024, and was unable to initiate a working download



# DNAgedcom

- Snapshot of my match database, captured Sept 30, 2023 shortly before all the security concerns from October 2023
- This gives you an idea of what it can provide when it works

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	testid	matchid	name	admin	people	range	confidenc	sharedCM	sharedSeq	lastlogin	starred	viewed	private	hint	archived	note
2	DC78BD0579CA28B7	Joan Anita Craddock		K	2965	PARENT_C	100	3474.44	25		TRUE	TRUE				Mother, i
3	DC78BD05560E8D30	Pa		K	2965	PARENT_C	100	3469.52	27		TRUE	TRUE				Daughter
4	DC78BD05900F61FB	Na		K	2965	PARENT_C	100	3465.61	28		TRUE	TRUE				Son, 3466
5	DC78BD053C54E411	Fr		K	2965	IMMEDIAT	100	2491.46	59		TRUE	TRUE				Brother.
6	DC78BD05A1D1A06C	Err		K	2965	CLOSE_FA	100	1583.22	36		TRUE	TRUE				Paternal.
7	DC78BD05D073F40C	M.		tr	61	FIRST_CO	100	941.114	28		TRUE	TRUE				1st cousi
8	DC78BD05D0068E71	Mi		K	2965	FIRST_CO	100	715.966	19		TRUE	TRUE				1st cousi
9	DC78BD05AE7A9862	Lir		K	11	SECOND_C	100	603.8225	22		TRUE	TRUE				604/23, 1
10	DC78BD0541C5EE63	Dc		K	34	SECOND_C	100	584.122	16		TRUE	TRUE				My half-r
11	DC78BD057F028F15	Ar		T	1572	SECOND_C	100	573.085	22		FALSE	TRUE				1C1R Gra
12	DC78BD05BE7C3C91	tre		tr	61	SECOND_C	100	531.886	22		TRUE	TRUE				1C1R, gra
13	DC78BD05B125CEAS	Jui		K	2965	SECOND_C	100	463.5887	22		FALSE	TRUE				1C1R, gra
14	DC78BD050D2D60B9	M		M	134	SECOND_C	100	374.227	15		FALSE	TRUE				1C1R, Wa
15	DC78BD05DCDB1508	Jar		lc	4529	SECOND_C	100	369.044	19		FALSE	TRUE				Jir
16	DC78BD0585C32658	Dc		D	7	SECOND_C	100	364.4386	14		FALSE	TRUE				1C1R, Do
17	DC78BD055479A690	B.V		T	0	SECOND_C	100	355.358	15		FALSE	TRUE				1C2R, sor
18	DC78BD056E79A62A	Le		L	0	SECOND_C	100	308.956	12		TRUE	TRUE				2C, grand
19	DC78BD05B7784740	Ca		C	0	SECOND_C	99.998	225.951	11		FALSE	TRUE				2C, Crad
20	DC78BD05836A7AC3	K.I		E	0	SECOND_C	99.998	223.9876	10		FALSE	TRUE				1C2R, Kaf
21	DC78BD055F9E5E0A	Da		D	24	SECOND_C	99.998	222.209	11		FALSE	TRUE				2C grand:
22	DC78BD056A3168C5	Jol		Jc	5	SECOND_C	99.997	213.8681	13		TRUE	TRUE				2C, Jim A
23	DC78BD05B83A8C9A	Ed		E	6526	SECOND_C	99.996	200.989	10		FALSE	TRUE				2C1R, De
24	DC78BD056A3F196D	A.J		M	0	THIRD_CO	99.996	197.1719	8		FALSE	TRUE				197/8. Pr
25	DC78BD0596E77969	Ha		H	2	THIRD_CO	99.995	195.076	10		FALSE	TRUE				2C, grand
26	DC78BD05CDB73982	Jul		Ju	0	THIRD_CO	99.995	191.178	11		FALSE	TRUE				Ju
27	DC78BD05F5CDFCCF	F.f		E	0	THIRD_CO	99.994	187.255	9		FALSE	TRUE				Fr.
28	DC78BD053450174A	K.I		M	0	THIRD_CO	99.991	172.3225	9		FALSE	TRUE				172/9. 1C
29	DC78BD0594C5E806	Mi		M	302	THIRD_CO	99.989	167.4891	9		TRUE	TRUE				167/10. 2
30	DC78BD05037FEC58	Dc		D	14	THIRD_CO	99.988	165.1415	8		FALSE	TRUE				165/9. 2C
31	DC78BD05E1117DB9	Dc		D	0	THIRD_CO	99.985	158.8967	8		FALSE	TRUE				2C, daugl
32	DC78BD05FF21ACE1	M		M	5	THIRD_CO	99.982	153.3203	9		TRUE	TRUE				2C, Crad

# Upcoming Classes/Presentations

**Date: Sat, Apr 13, 1 pm**

**Location: Red Mountain Library**

**Topic: Genetic Networks**

**Description: What are Genetic Networks and why are they important to me? Let's learn all about them and how they can help with my family tree.**

**Date: Sat, May 4, 1 pm**

**Location: Red Mountain Library**

**Topic: WATO (What Are The Odds)**

**Description: What is WATO and how can I use it?**



All library classes are free to attend and require no registration and held at the Red Mountain Mesa Public Library at 635 N Power Rd in Mesa (unless otherwise noted above).



Presentations:

<http://familytreeaz.com/Presentations>



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