

Making Connections: Interpreting DNA Test Results

Class 1: Navigating Your Results

Melanie McComb, Senior Genealogist

THE BRUE FAMILY LEARNING CENTER



American Ancestors[®]

A NATIONAL CENTER FOR FAMILY HISTORY, HERITAGE & CULTURE

Meet today's presenter



Melanie McComb

Senior Genealogist

OVERVIEW

- **Presentation (60 mins.)**
 - Ancestry DNA
 - FamilyTree DNA
 - MyHeritage DNA
 - 23andMe
 - Living DNA
- **Q&A (30 mins.)**



The Three Tests

- Autosomal (includes the X chromosome)
- Mitochondrial Test (mtDNA)
- Y-DNA Test

Autosomal is Best for:

- Comparing close cousins
- Determining which chromosomes are from mom and dad (if parents also provide a DNA sample)
- Identifying continental origins
- Can reveal information up to 6 or 7 generations back (back to 5th great-grandparents)

mtDNA is Best for:

- Researching your maternal ancestry
- Comparing to see if two people have the same mother or maternal grandmother
- Comparing female immigrants to the new world (to the 1600s)

Y-DNA is Best for:

- Researching your paternal ancestry
- One name study projects
- Comparing male immigrants to the new world (to the 1600s)

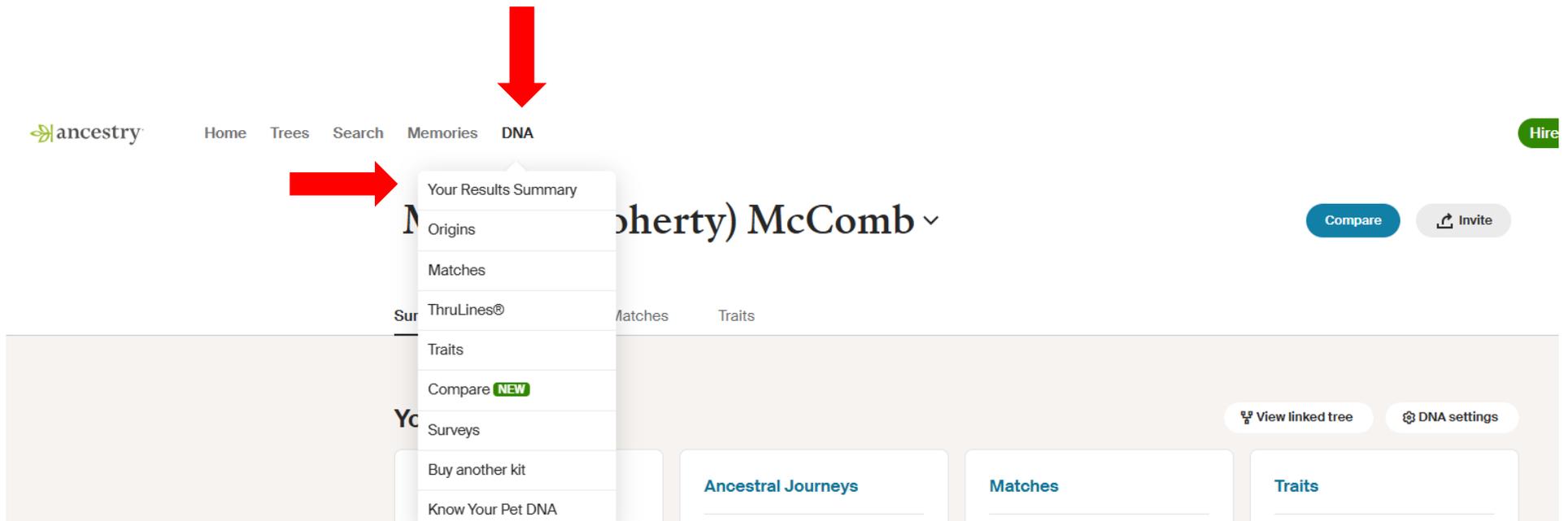
Ancestry DNA

Ancestry DNA Features (No Membership)

- Ancestral Regions (formerly Ethnicity Estimates)
- Ancestral Journeys (formerly DNA Communities)
- Match List
- Contact Matches
- DNA Compare
- Traits (limited to 3)
- Shared Matches (limited to 3)

Ancestry DNA Plus (\$)

- Ancestral Regions (formerly Ethnicity Estimates)
 - Ancestral Regions by Parents
- Ancestral Journeys (formerly DNA Communities)
 - Ancestral Journeys by Parents
- Match List
 - Match List by Parents
- Contact Matches
- DNA Compare
- Traits
- Shared Matches
- ThruLines/Common Ancestors in Member's Trees
- Chromosome Painter



Ancestry.com

Melanie (Doherty) McComb

Compare

Invite

Summary

Origins

Matches

Traits

Your DNA Report

View linked tree

DNA settings



Ancestral Regions



4 regions

Ancestral Journeys

- Ulster
- Ashkenazi Jews in North...
- Ashkenazi Jews in Centr...

4 journeys

Matches

- BD
- RD
- MD

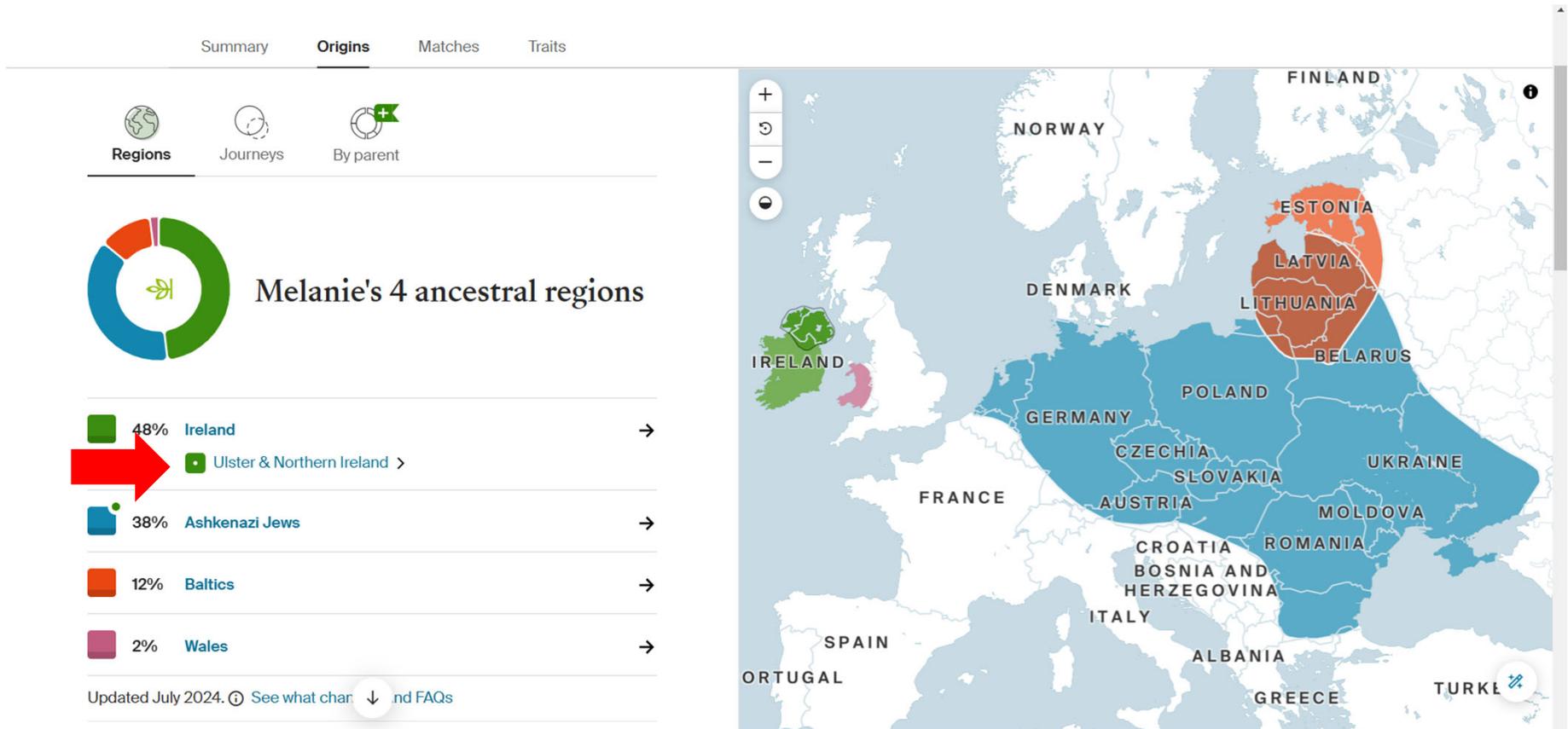
Traits

- Dancing
Least likely to enjoy dancing
- Doing things alone
Likely to prefer doing things ...
- Introvert or extrovert
Extrovert

1 new

82 traits

[Ancestry.com/dna/insights](https://ancestry.com/dna/insights)



Ancestry DNA Ancestral Regions (formerly Ethnicity Estimates)

The screenshot shows the Ancestry DNA interface with a pop-up window for the subregion "Ulster & Northern Ireland". The pop-up includes a title bar with a green dot icon, the name "Ulster & Northern Ireland" with a "Beta" badge, and a close button. Below the title is the text "Subregion of Ireland". A paragraph explains that these connections can be very old, from over 1,000 years ago. Below this is a map of Ireland with the northern part highlighted in green and labeled "NORTHERN IRELAND ISLE". To the right of the map is a section titled "DNA matches with this subregion:" containing three entries: "BD" (blue circle), "RD" (pink circle), and "MD" (green circle). Below the entries is a gauge showing "Connection strength: Strong" and a "Connection strength: Very strong" label. A red arrow points to the information icon (i) next to the "Strong" label.

Example of Ancestry Subregion

Ulster & Northern Ireland Beta

Subregion of Ireland

We now connect you to even smaller, more specific ancestral regions. These connections can be very old—from over 1,000 years ago—so they may include places or populations not yet recorded in your family tree. [Learn more](#)



mapbox

Connection strength: Very strong

DNA matches with this subregion:

- BD
- RD
- MD

The more DNA you share with people in our Ulster & Northern Ireland reference panel, the higher your connection strength is. **Moderate** can mean a connection many generations back, and **Very strong** can mean a more recent connection.

Ancestry Subregion – Connection Strength

Which parent passed it down? Plus

Your parents each contributed half of your DNA. This chart shows the estimated percentage you inherited from your parents.

[View regions by parent](#)

| Category | Percentage | Progress Bar |
|----------|------------|---------------------------------|
| Ireland | | |
| Paternal | 48% | <div style="width: 48%;"></div> |
| Maternal | 0% | <div style="width: 0%;"></div> |
| You | 48% | <div style="width: 48%;"></div> |

People with these journeys often share this region

Your connection to this region may come from relatives who also connect you to these ancestral journeys.

- Nova Scotia & Prince Edward Island Settlers** →
 - Prince Edward Island Settlers
 - [View timeline >](#)
- Ulster** →
 - South East Ulster & North East Leinster
 - North Monaghan & South Fermanagh
 - North Monaghan & South Tyrone
 - [View timeline >](#)

[Next](#)

Subregion – Connection Strength

Your regions by parent

Your parents each contributed half of your DNA. Now, you can see which regions you inherited from each parent—even if they haven't taken tests. [Learn more](#)

[Edit parent labels](#)

Overview

[Share](#)



Select one or more regions to highlight.

- All
- Ireland
- Ashkenazi Jews
- Baltics
- Wales

Detailed comparison

[Share](#)

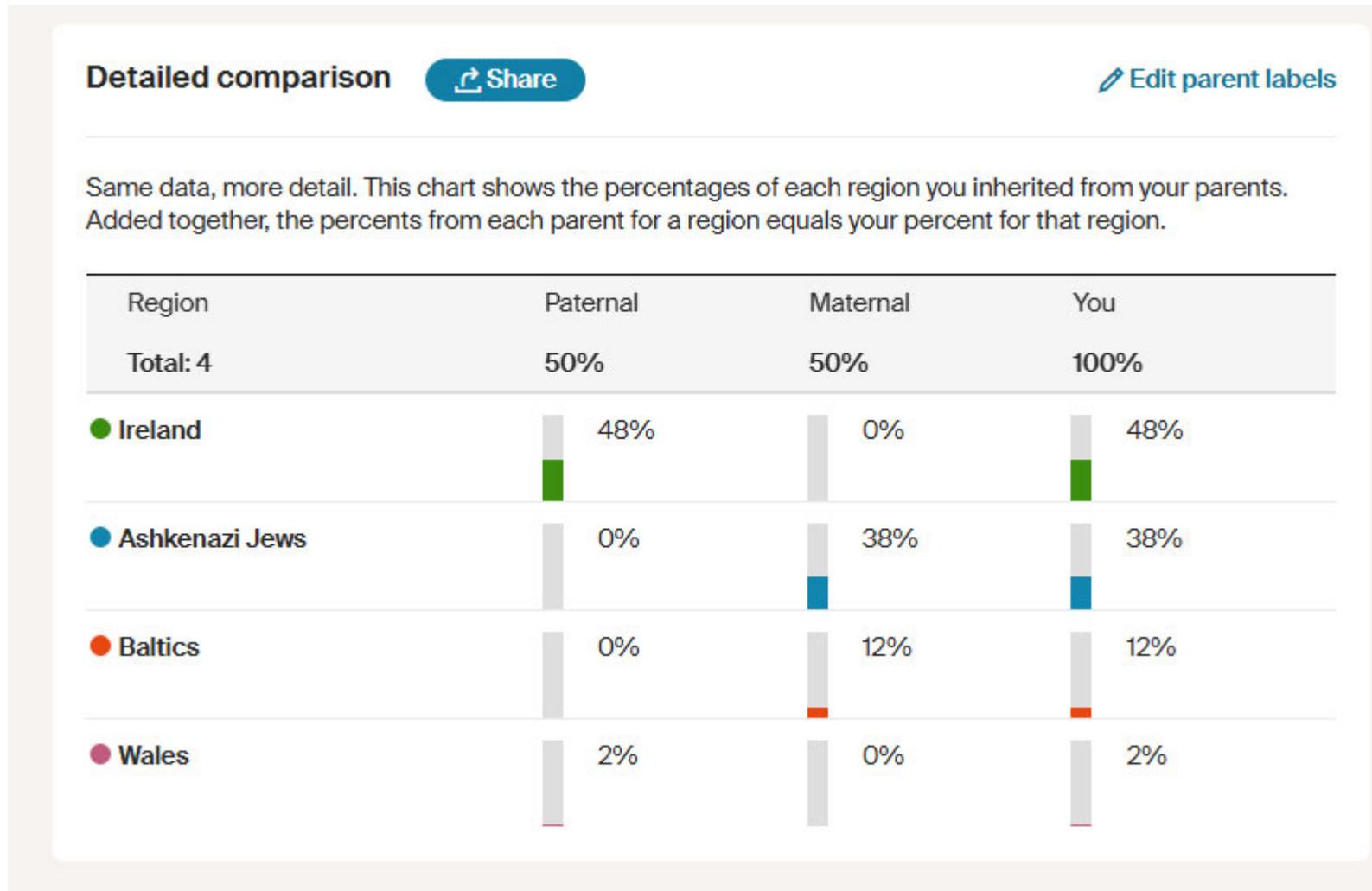
[Edit parent labels](#)

Give AncestryDNA

Give your research a boost



Region Inheritance by Parent



Detailed Region Inheritance by Parent

Your journeys by parent

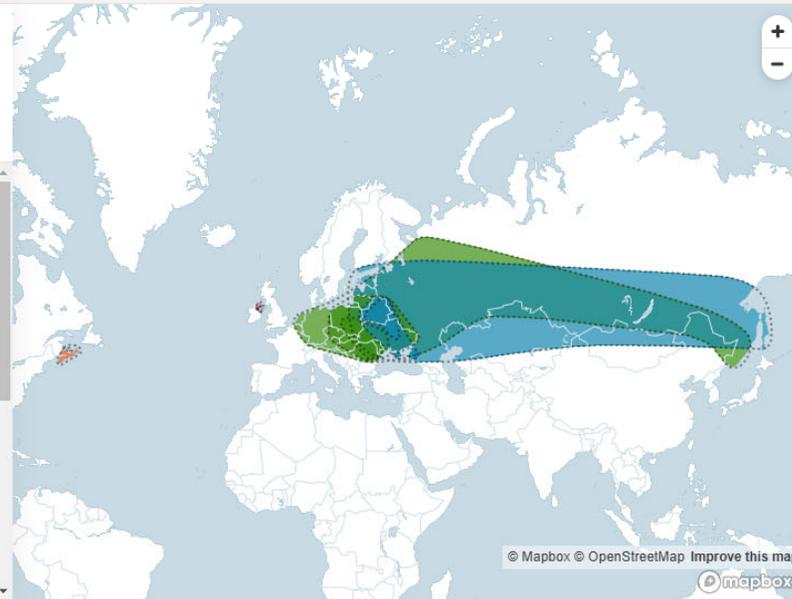
Find out where your ancestors lived in the recent past—on each side of your family. Even if your parents haven't taken DNA tests, we can tell you which journeys you inherited from each parent. [Learn more](#)

Your journeys

- All
- Paternal
- Maternal
- Both sides

All of your journeys.

- Ashkenazi Jews in Central & Eastern Europe
- Ashkenazi Jews in Eastern Europe
- Ashkenazi Jews in Poland & Moldavia
- Ashkenazi Jews in Northeastern Europe
- Ashkenazi Jews in Belarus & Northern Ukraine
- Ashkenazi Jews in Belarus & Ukraine
- Nova Scotia & Prince Edward Island Settlers



Journeys by Parent

| Inherited from | Your journeys | Matches |
|----------------|--|----------------|
| Paternal |  Nova Scotia & Prince Edward Island Settlers | BD RD MD |
| |  Part of Nova Scotia & Prince Edward Island Settlers Prince Edward Island Settlers | BD RD MD |
| |  Ulster | BD RD MD |
| |  Part of Ulster North Monaghan & South Fermanagh | BD RD MD |
| |  Part of Ulster North Monaghan & South Tyrone | BD RD MD |



Journeys by Parent - Paternal

Nova Scotia & Prince Edward Island Settlers

You and other people with this journey are linked through shared ancestors. You probably have family who lived in this area for years—and maybe some of your relatives still do.

Specific places you're connected to:

- Prince Edward Island Settlers

23 people from your tree

[View timeline](#)

1700 — 1950

Your ancestral journey over time

Explore the Nova Scotia & Prince Edward Island Settlers journey to learn where your ancestors lived and moved in the past 250 years.

[View timeline](#)

Ancestral Journey Example

Nova Scotia & Prince Edward Island Settlers

You and other people with this journey are linked through shared ancestors. You probably have family who lived in this area for years—and maybe some of your relatives still do.

Specific places you're connected to:

- [Prince Edward Island Settlers](#)

23 people from your tree

[View timeline >](#)

Map labels: North Rustico, Savage Harbour, Grand Tracadie, Canavoy, Mount Stewart, Fanning Brook, North Milton, Pleasant Grove, Union, Fort Augustus, Peakes, North Wiltshire, Hartsville, North Wilshire, Brookvale, Kingston, Watervale, Appin Road, Charlottetown, Bethel, Lake Verde, Baldwin, DeSable, St. Catherines, Stratford, Alexandra, Vernon River, Cherry Valley.

Ancestral Journey Example Cont'd

← DNA Origins: Journeys > Nova Scotia & Prince Edward Island Settlers > Timeline

Overview

1700

1750

1775

1800

1825

1850

1875

1900

1925

N.L.

P.E.I.

N.S.

MAINE

S.

© mapbox

1750 - 1775

Re-peopling Nova Scotia

After war broke out between Britain and France in 1754, British officials forcibly removed over 11,000 Acadians when they refused to swear allegiance to the English Crown. The vacant Acadian lands boasted bountiful fields and orchards that enticed migrants from Yorkshire and Ulster. Most went to Nova Scotia, which offered "freehold tenure" (essentially private property), rather than St. John's Island, with its landlord-tenant system. Newcomers lived alongside Yankee "Planters" from New England in the west and German and French "Foreign Protestants" on Nova Scotia's south shore. St. John's Island settlers eventually included Highland Scots driven from home during the Highland Clearances and London Quakers.

People in your tree

These people in your tree may have been a part of this journey. The events you see in this timeline may have shaped them.

Owen Dougherty ...

4th Great-Grandfather

Birth: 1760, County Monaghan, Ireland

Death: 1861, Prince Edward Island, Canada

[View your tree](#)

Ancestral Journey Timeline Example

People in your tree [View your tree](#)

These people in your tree may have been a part of this journey. The events you see in this timeline may have shaped them.

| | | |
|---|---|---|
|  Michael Joseph Doherty ... Grandfather 1910-1986 |  Rose Veronica Rooney ... 1st Great-Grandmother 1882-1979 |  Bridget Connolly ... 1st Great-Grandmother 1875-1941 |
|  Joseph Dougherty ... 1st Great-Grandfather 1871-1949 |  Alice McKenna ... 2nd Great-Grandmother 1854-1932 |  Bernard Connolly ... 2nd Great-Grandfather 1846-1927 |

[+ Show 17 more...](#)

People in Your Tree – Shared Journey

Chromosome painter BETA

Where are your regions in your DNA? With the chromosome painter, you can see for yourself. We've "painted" your chromosomes (the colored bars below) with the regions they're associated with. Select a region to see it highlighted.

Overview

[Share](#)

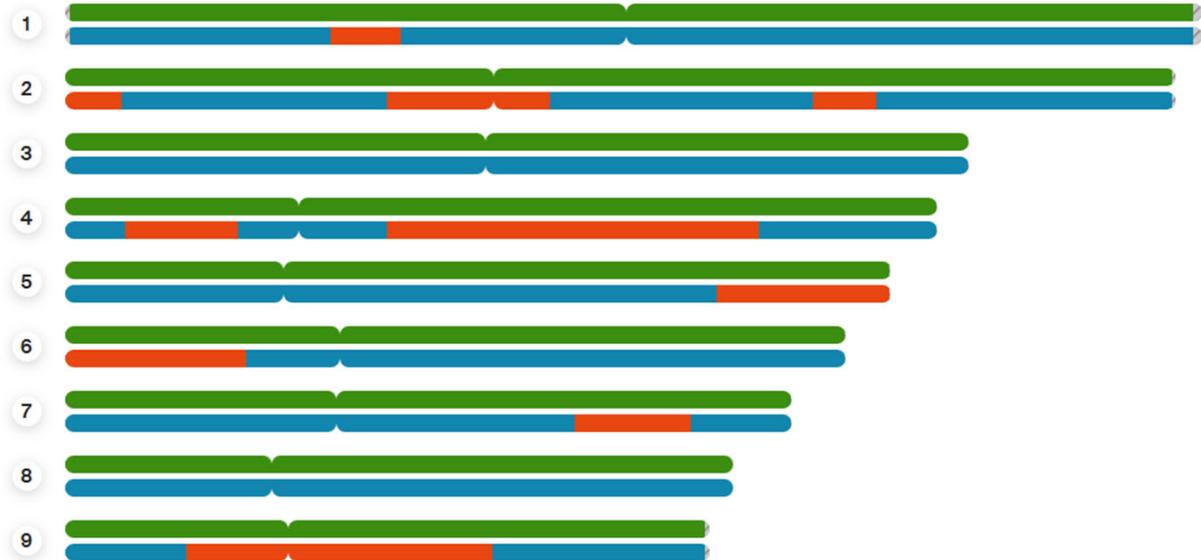
Choose or or to see who passed down which chromosomes.

All Paternal Maternal

Regions

- All
- Ireland
- Ashkenazi Jews
- Baltics
- Wales

- Not tested ⓘ
- Unassigned ⓘ



Chromosome Painter

Melanie (Doherty) McComb

Compare

Invite

Summary

Origins

Matches

Traits

All

By parent

By ancestor

By location

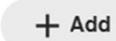
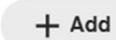
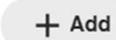
Go to Melanie's Family Tree

Filter

Create group

Search

Sort

| | | | |
|---|---|--|---|
|  Match #5 | 1st cousin 1x removed or half granduncle Maternal side 426 cM 6% shared DNA |  Public linked tree 2 people |   |
|  Match #6 | 1st cousin 1x removed or half grandaunt Paternal side 411 cM 6% shared DNA |  No trees |   |
|  Match #7 | 2nd cousin 1x removed Maternal side 404 cM 6% shared DNA |  Public linked tree 10 people  Common ancestor |   |

Ancestry DNA Match List

You and ×

Predicted: 1st cousin 1x removed or half granduncle

- Shared DNA: 426 cM across 12 segments
- Unweighted shared DNA: 426 cM
- Longest segment 74 cM

Predicted relationships

We predict that these relationships are most likely. To predict relationships, we factor in self-reported ages and genders of both people.

1st cousin 1x removed
Half granduncle
Half 1st cousin 1x removed

Frequency of relationships ▼

How do we estimate DNA relationships? ▼

Confirm relationshipClose

Predicted Relationships

You and



Frequency of relationships



Here's how frequently people who share 426 cM have each relationship.

Frequency

Relationship

78%

- 1st cousin 1x removed
- Half granduncle
- Great-granduncle
- Half 1st cousin
- 2nd great-grandfather
- Half grandnephew
- Great-grandnephew
- 2nd great-grandson

15%

- Half 1st cousin 1x removed
- 1st cousin 2x removed
- Half great-granduncle
- 2nd cousin
- Half great-grandnephew

Confirm relationship

Close

Frequency of Relationships

Tip

The relationship with the highest frequency is not always the correct relationship for each DNA match

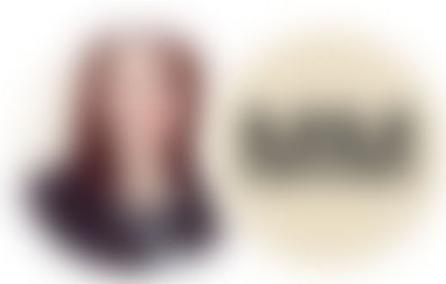
| | | | |
|--|--|--|---|
|  | Match #8 3rd cousin Maternal side 93 cM 1% shared DNA |  Public linked tree 4 people | + Add ... |
|  | Match #9 3rd cousin Paternal side 92 cM 1% shared DNA |  Public linked tree 3 people | + Add ... |
|  | Match #10 3rd cousin or half 2nd cousin 1x removed Paternal side 74 cM 1% shared DNA |  Tree unavailable | + Add ... |
|  | Match #11 3rd cousin Paternal side 70 cM 1% shared DNA |  Unlinked tree | + Add ... |







Viewing Trees of Matches



You and [Match Name]

3rd cousin | Paternal side

1% shared DNA: 70 cM across 5 segments

[View in tree](#)

[Message](#)

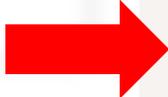
[Edit Relationship](#)

[Add/edit groups](#) [Add note](#)

Trees [Origins](#) [Shared Matches](#) PRO

Common Ancestors

[Blurred text describing common ancestors]



Public Tree

Viewing Unlinked Tree of DNA Match

McGarry Family Tree

James McGarry
1905-1987

James Richard McGarry
1936-2023

Grace C Haertel-2G
1908-1999

Wilfred Charles Love
1906-1998

Mary Rose Love
1936-2016

Angelina T Mullin
1908-1989

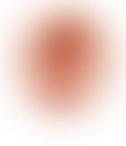
Henry Stuart Love (GG)
1885-1963

Alice May Pettengill
1888-1969

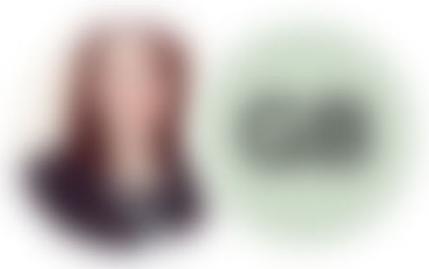
Michael J Mullin Sr
1875-1931

Susan T Rooney 117
1880-1908

Viewing Tree of DNA Match

| | | | | |
|---|---|--|---|-----------|
|  | Match #3 3rd cousin 1x removed or half 3rd cousin Paternal side 51 cM < 1% shared DNA |  Public linked tree 1,250 people |  | + Add ... |
|  | Match #4 3rd cousin 1x removed or half 3rd cousin Paternal side 51 cM < 1% shared DNA |  Unlinked tree | | + Add ... |
|  | Match #5 3rd cousin 1x removed or half 3rd cousin Paternal side 50 cM < 1% shared DNA |  Unlinked tree | | + Add ... |

Viewing Linked Tree of Match



You and [blurred name]

3rd cousin 1x removed or half 3rd cousin | Paternal side

< 1% shared DNA: 51 cM across 4 segments

Connect to tree

Message

Edit Relationship

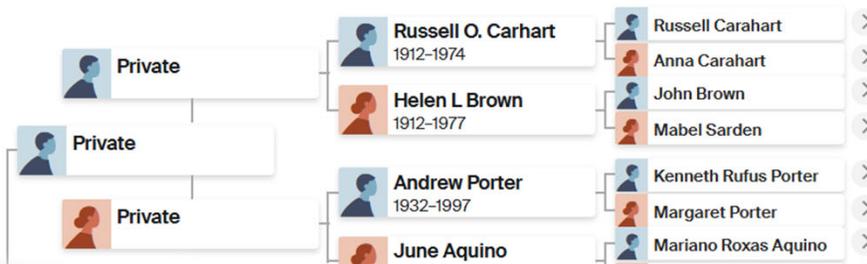
+ Add to group Add note

Trees Origins Shared Matches PRO

Common Ancestors

Expand tree

1,250 People



Viewing Linked Tree of Match

The screenshot displays a genealogy interface. At the top, a family tree diagram shows a central figure, Junior Rosco Bennett (1952-2001), with two children labeled 'Private'. To the right, a list of names and birth-death years is shown, including Catherine Donohue (1935-1983), Rosco Junior Bennett (1933-1988), Phyllis Conley (1935-1997), William J. Dies (1922-1987), and Marnetta Mary Workman (1922-2003). Below the tree, a 'Shared Surnames' section is visible, listing 'Connolly (9 people)' and 'Reilly (4 people)'. The interface includes various icons and expandable menus.

Surnames

Shared Surnames

Connolly (9 people) Reilly (4 people)

Shared Surnames of a Match

Direct ancestors with the surname Connolly

The screenshot displays a list of direct ancestors with the surname Connolly, organized into two columns. The left column lists three individuals: George Coleman Connolly (1761-1838), John Patrick Connolly (1802-1868), and Peregrine D "Perry" Connolly (1836-1862). The right column, titled "From Your tree: Melanie's Family Tree (6)", lists six individuals: Bernard Connolly (1846-1927), Bridget Connolly (1875-1941), Ellen Connolly (1780-), James Connolly, John Connolly (1814-1882), and a blank entry for _____ Connolly. A large red arrow points to the entry for Peregrine D "Perry" Connolly.

| Name | Birth-Death |
|------------------------------|-------------|
| George Coleman Connolly | 1761-1838 |
| John Patrick Connolly | 1802-1868 |
| Peregrine D "Perry" Connolly | 1836-1862 |
| Bernard Connolly | 1846-1927 |
| Bridget Connolly | 1875-1941 |
| Ellen Connolly | 1780- |
| James Connolly | |
| John Connolly | 1814-1882 |
| _____ Connolly | |

Shared Surnames of a Match

← Direct ancestors with the surname Connolly

Peregrine D "Perry" Connolly
Bennett Family Tree

Birth
abt 1836 • Virginia

Death
4 Jan 1862 • Welch Glade, Webster, VA, USA

Parents

- John Patrick Connolly**
1802-1868
- Mary "Polly" Stallman***
1804-

2 timeline events

[View in tree](#)

Direct Ancestors with Shared Surname

Shared Matches

- You can view the shared DNA matches through fourth cousin level
- This is very helpful when a match has no tree, private tree, or limited information
- Can help you determine who else they share DNA with to narrow down a specific branch of your family

| Shared match: | | |
|---------------|---------------------|--|
| | Match #1 | Father 3,461 cM Paternal side |
| | Match #2 | Uncle 1,678 cM Paternal side |
| | Match #3 | Uncle 1,610 cM Paternal side |

Shared Matches

Tip

Ancestry ProTools allows you
to see the relationship
between a DNA match and
your shared matches

Shared match:

| | | | |
|---|--|--|---|
|  Match #1 |  |  Father 3,461 cM Paternal side |  2nd cousin 2x removed or half 2nd cousin 1x removed 71 cM |
|   | | | |
|  Match #2 |  |  Uncle 1,678 cM Paternal side |  3rd cousin 2x removed or half 3rd cousin 1x removed 31 cM |
|   | | | |
|  Match #3 |  |  Uncle 1,610 cM Paternal side |  Half 2nd cousin 2x removed or 2nd cousin 3x removed 55 cM |
|   | | | |

Shared Matches – PRO Version

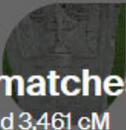
ThruLines

- Tool that helps you determine how you may be related to a DNA match
- Formerly called Ancestry Circles
- Provides potential ancestors based on other DNA matches and their trees
- Carefully evaluate these lines with other genealogical documents

| 3rd Great Grandparents | Matches | Traits | |
|---|---|---|---|
|  Francis Dougherty 3rd great-grandfather 1798-1892 |  Catherine Clarkin 3rd great-grandmother 1810-1881 |  Bernard Flynn 3rd great-grandfather |  Bridget _____ 3rd great-grandmother 1799-1881 |
|  Philip Rooney 3rd great-grandfather 1805-1884 |  Mary Dougherty 3rd great-grandmother 1819-1881 |  Owen McKenna 3rd great-grandfather 1820-1903 |  Ellen McInnis 3rd great-grandmother 1825-1902 |
|  John Corcoran 3rd great-grandfather 1797-1870 |  Alice Reilly 3rd great-grandmother 1804-1864 |  Bernard Duff 3rd great-grandfather 1814-1903 |  Rose Hardy 3rd great-grandmother 1824-1906 |
|  John Connolly 3rd great-grandfather 1814-1882 |  Bridget Sherry 3rd great-grandmother 1819-1853 |  James McKenna 3rd great-grandfather 1814-1860 |  Rose Kelly 3rd great-grandmother 1819-1891 |

ThruLines Example

3rd Great Grandparents

| Matches | Traits | | |
|--|---|---|---|
|  <p>Francis Dougherty 3rd great-grandfather 1798-1892</p> |  <p>Catherine Clarkin 3rd great-grandmother 1810-1881</p> |  <p>Bernard Flynn 3rd great-grandfather</p> |  <p>Bridget _____ 3rd great-grandmother 1799-1881</p> |
|  <p>71 DNA matches between 6 and 3,461 cM Evaluate relationship paths ></p> <p>Philip Rooney 3rd great-grandfather 1805-1884</p> |  <p>Mary Dougherty 3rd great-grandmother 1819-1881</p> |  <p>Owen McKenna 3rd great-grandfather 1820-1903</p> |  <p>Ellen McInnis 3rd great-grandmother 1825-1902</p> |
|  <p>John Corcoran 3rd great-grandfather 1797-1870</p> |  <p>Alice Reilly 3rd great-grandmother 1804-1864</p> |  <p>Bernard Duff 3rd great-grandfather 1814-1903</p> |  <p>Rose Hardy 3rd great-grandmother 1824-1906</p> |



ThruLines Example with # of DNA Matches

ThruLines[®] for Philip Rooney

Relationships ☰ List



Philip Rooney
3rd great-grandfather
1805-1884



Dennis Rooney
2nd great-granduncle
1839-1914



24 DNA Matches



Michael Rooney
2nd great-grandfather
1842-1925



32 DNA Matches



Mary Rooney
2nd great-grandaunt
1852-1916



5 DNA Matches



Ellen Rooney
2nd great-grandaunt
1853-1889

4 ∨

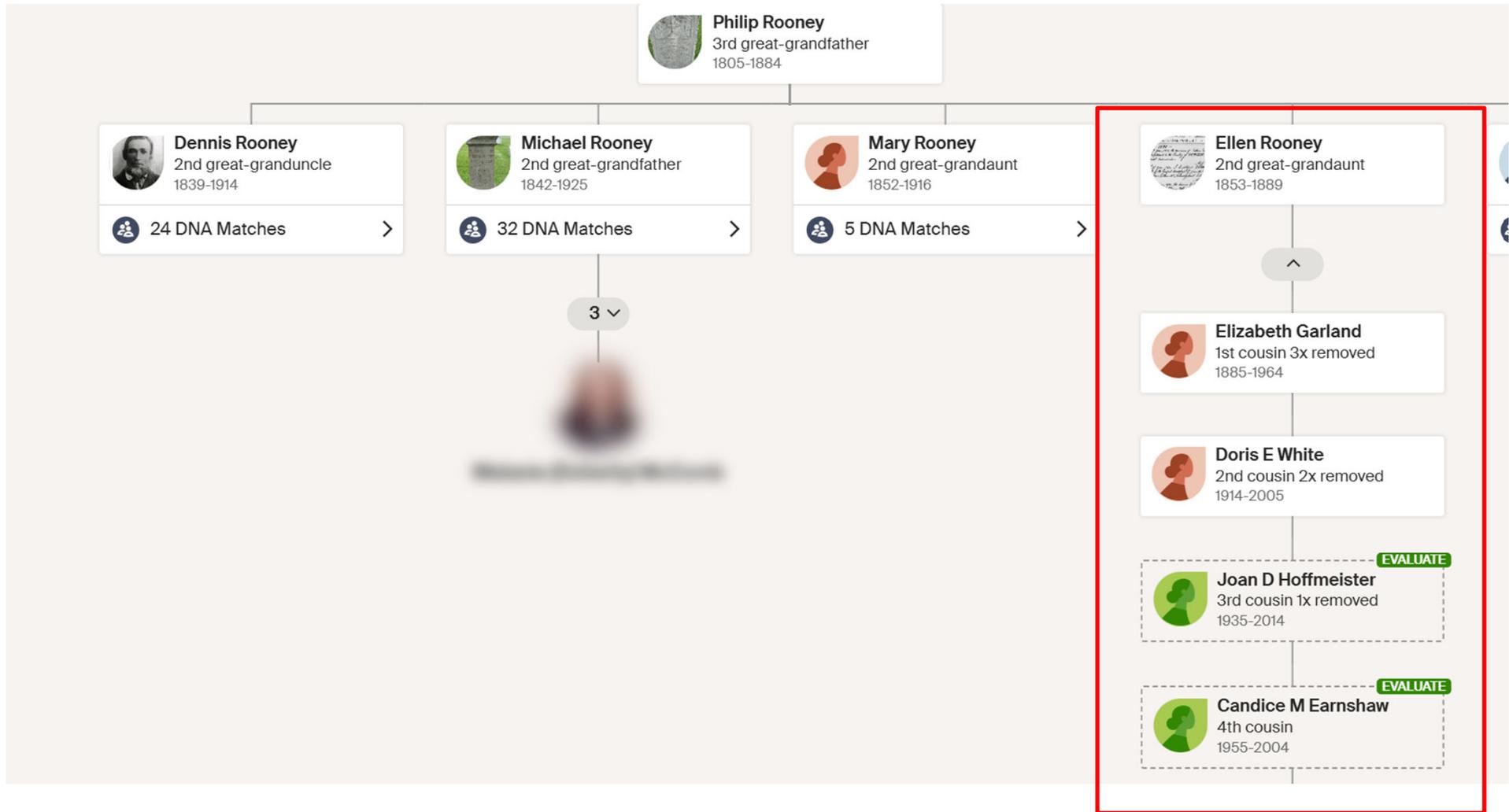


4th cousin 1x removed
15 cM | 2 segments

3 ∨



ThruLines Example with # of DNA Matches



ThruLines Example with Proposed Descendancy

Match #15
2nd cousin 1x removed
Maternal side
181 cM | 3% shared DNA

Public linked tree
143 people
Common ancestor

+ Add ...

S ☆

Match #16
3rd cousin
Paternal side
178 cM | 3% shared DNA

Private linked tree
9 people
Common ancestor

+ Add ...

D ☆

Identifying ThruLines Matches in Your Match List

How are you and related?

Common Ancestors

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

could be your 2nd cousin 1x removed through:



Hirsch "Harry" Siegel
2nd great-grandfather
1850-1911
[View Relationship](#)



Chaje Goldschmied
2nd great-grandmother
1870-1939
[View Relationship](#)

Williams - Shroyer Family Tree

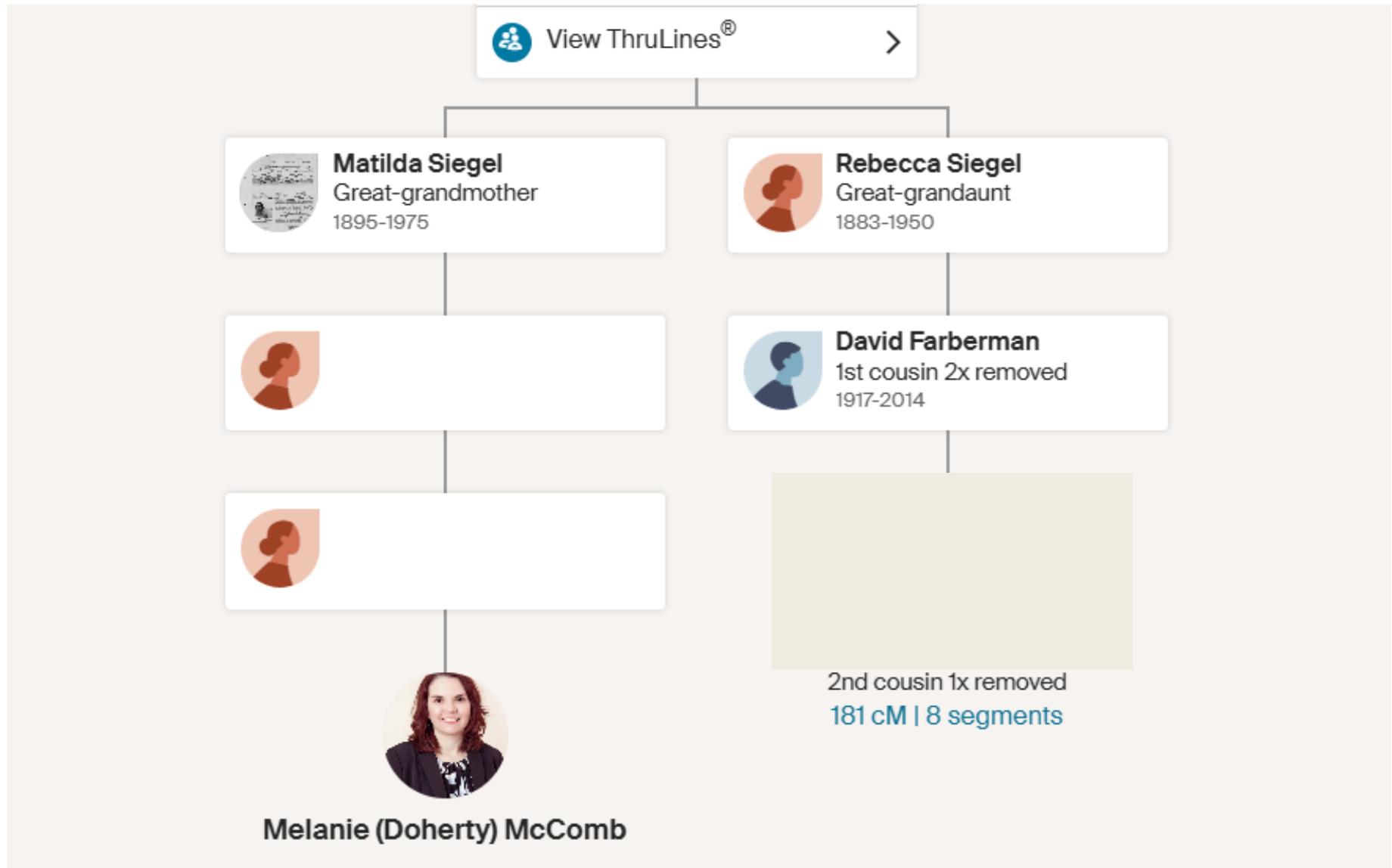
[Expand tree](#)

Linked Tree 143 People

This is a preview of the public tree linked to your DNA results. Surnames that appear in both your tree and this tree are marked in green.



Viewing Common Ancestors at DNA Match Level



Viewing ThruLines at Profile Level

Summary

Origins

Matches

Traits



Ellen McCarville sherry

4th great-grandmother

1798-1862

POTENTIAL ANCESTOR



Sarah McKenna

4th great-grandmother

1790-

POTENTIAL ANCESTOR

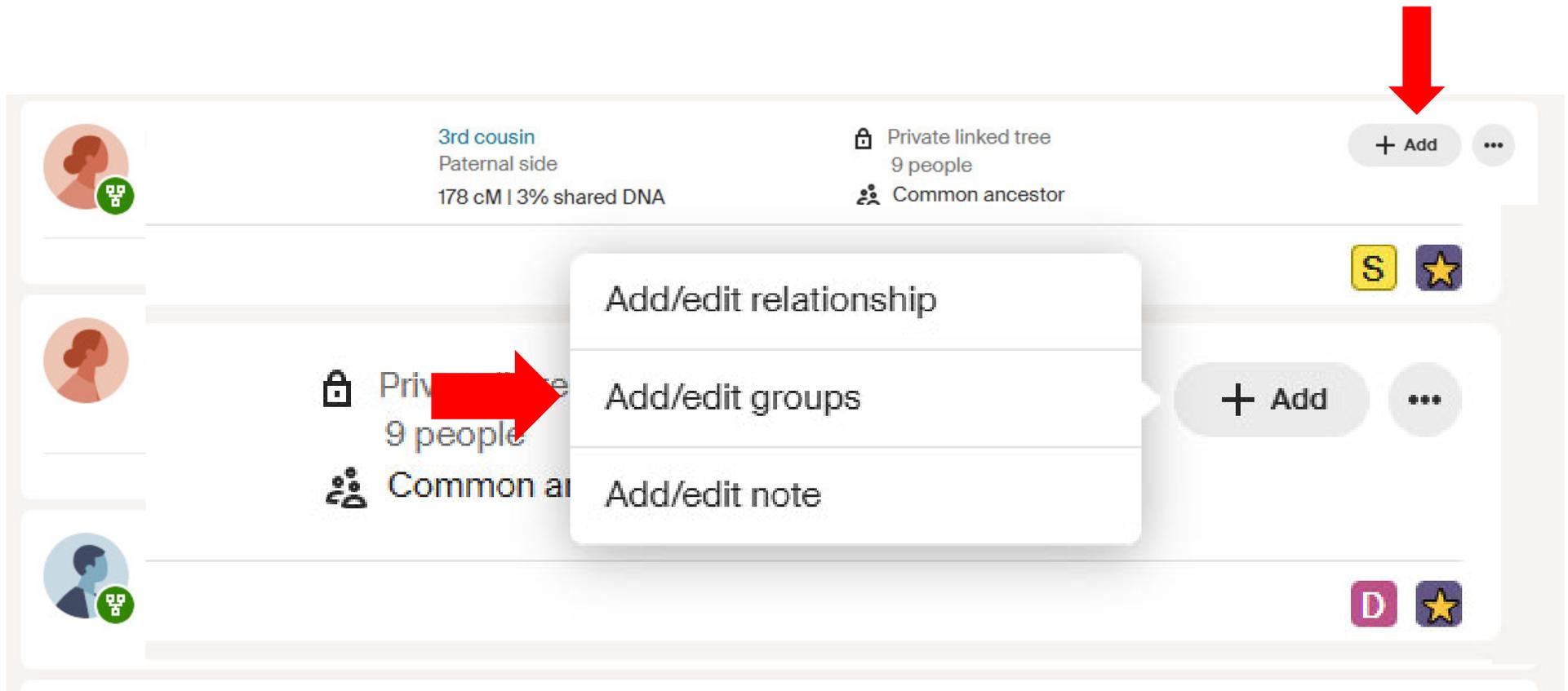
Potential Ancestors - ThruLines

Tip

Potential ancestors in
ThruLines need to be
confirmed with
genealogical records

Custom Groups

- Add DNA matches to a group to help filter your matches
- Each DNA match can have more than one group assigned to it
- Suggestion: Create custom groups for the most recent common ancestral couple you share with that match (ex. Dougherty and Clarkin line)



Adding/Editing Groups on Matches

Add / edit your groups

Add / remove DNA matches

1 match selected

+ Create a new group

24/64 groups created

- + - ☆ Starred matches 194
- + - A Adopted 3
- + - C Clarkin 2
- + - C Clarkin and Connolly Line 5
- + - C 103
- + - C Connolly and McKenna Line 11
- + - C Connolly and Sherry Line 5
- + - C Corcoran 2
- + - C Corcoran and Connolly Line 4
- + - C Corcoran and Gough Line 4
- + - D DNA Matches to Review
- + - D Dougherty 31

Save changes Cancel

Create a new group

Create a new group

24/64 groups created

Group name

Assign a color

Create group Cancel

Creating a Custom Group

The screenshot shows the Ancestry.com Traits page for a user named Melanie (Doherty) McComb. The page is partially obscured by a blue modal window titled "Welcome to Traits!". The modal contains a DNA double helix icon and text explaining the features of the Traits tool. In the background, the user's name is at the top, and there are tabs for "Summary" and "Origins". Below the name, there are icons for "All traits" and "By parent". A section titled "Your traits" lists several traits with icons: Alcohol flush, Asparagus odor, Athletic ability, Birth weight, Bitter sensitivity, and Caffeine intake. Each trait has a description and a checkmark indicating it is active. The "Birth weight" trait is described as "Average". The "Bitter sensitivity" trait is described as "Able to taste a certain bitter flavor". The "Caffeine intake" trait is described as "Likely to drink more caffeine than average".

Melanie (Doherty) McComb

Compare Invite

Summary Origins

All traits By parent

Both parents pass down DNA from their parents, and the one with the most influence and tell you which one it is.

Your traits

- Alcohol flush
- Asparagus odor
- Athletic ability
- Birth weight
- Bitter sensitivity
- Caffeine intake

Birth weight: Average

Bitter sensitivity: Able to taste a certain bitter flavor

Caffeine intake: Likely to drink more caffeine than average

Influenced by Maternal side

Edit parents Sort

Welcome to Traits!

Ever wondered where your freckles came from? Or why you hate cilantro? Discover clues in your DNA about where these and lots of other traits come from. Also see how they relate to the geographic regions in your DNA results, and compare traits with your matches. But first, a quick genetics lesson.

[Ancestry.com/traits](https://ancestry.com/traits)

Summary Origins Matches **Traits**

All traits **By parent** Personality Nutrients Performance Sensory Appearance Favorites

Both parents pass down DNA for each trait, but some DNA has more influence. We can find the DNA with the most influence and tell you which parent it came from. Edit parents Sort

| Your traits | Influenced by Paternal side | Influenced by Maternal side |
|---|-----------------------------|-----------------------------|
|  Alcohol flush Face does not flush | | ✓ |
|  Asparagus odor Unable to smell asparagus metabolites | | ✓ |
|  Athletic ability Less naturally athletic | ✓ | ✓ |
|  Birth weight Average | ✓ | |
|  Bitter sensitivity Able to taste a certain bitter flavor | | ✓ |
|  Caffeine intake Likely to drink more caffeine than average | | ✓ |
|  Cilantro aversion Unlikely to enjoy cilantro | ✓ | |
|  Cleft chin Unlikely to have a cleft chin | ✓ | |

[Ancestry.com/traits](https://ancestry.com/traits)

QUESTIONS?

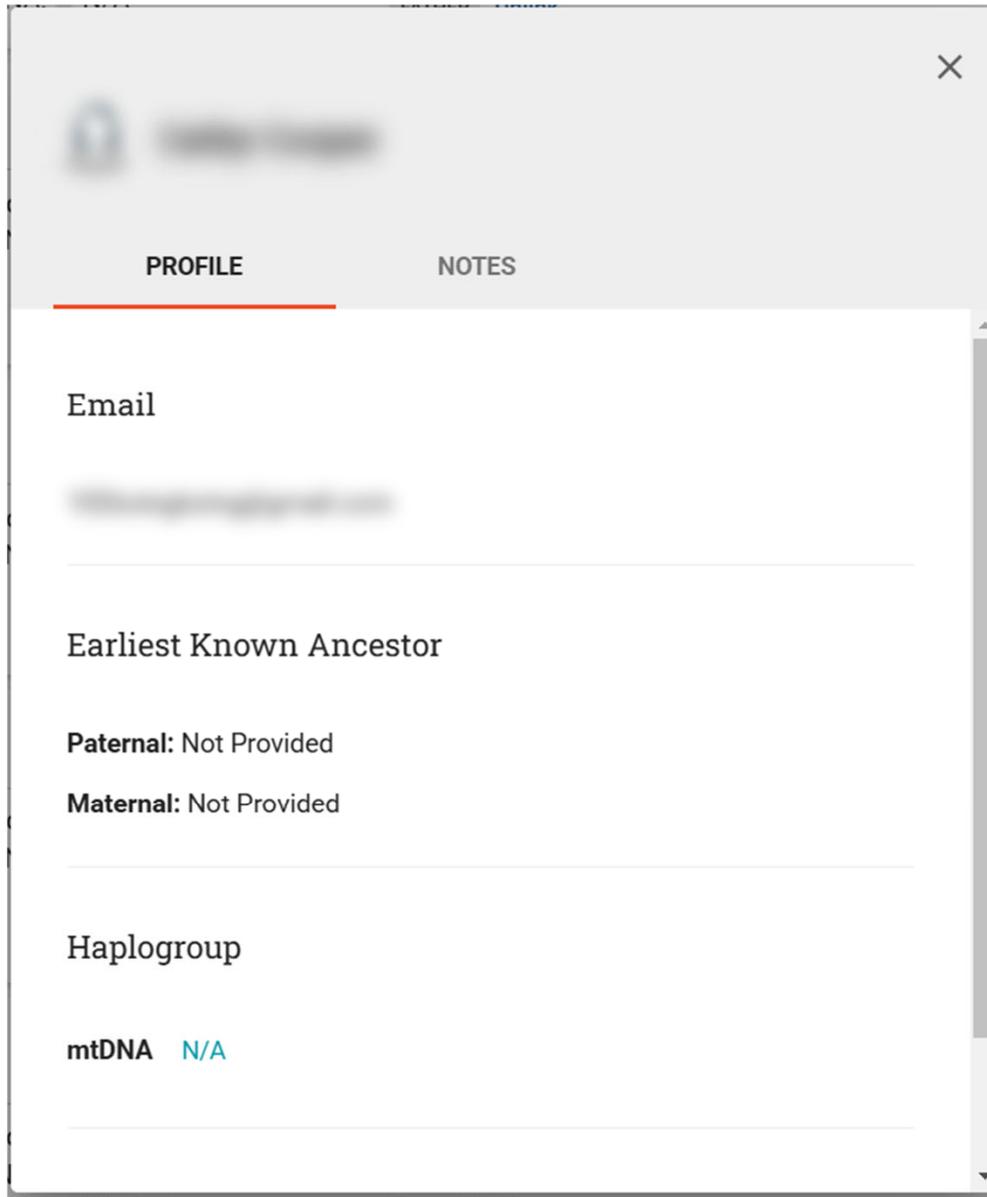
FamilyTree DNA

Family Finder (Autosomal DNA)

- DNA Match List
- Unlock Fee \$19 per kit
 - Upload results from another DNA site
- Ethnicity Estimates (MyOrigins)
- Ancient Origins
- Chromosome Browser
- Chromosome Painter

The screenshot shows the FamilyTreeDNA website interface. At the top left is the FamilyTreeDNA logo. The navigation bar includes 'Home', 'Results & Tools', 'Family Tree', and 'Group Projects'. A red arrow points to the 'Home' link, and another red arrow points to the 'Results & Tools' dropdown menu. The dropdown menu is open, showing options: 'Autosomal DNA', 'mtDNA', 'Matches', 'myOrigins®', 'ancientOrigins', 'Chromosome Browser', 'Chromosome Painter', 'Matrix', and 'Download Raw Data'. The 'Matches' option is highlighted with a red vertical bar. The main content area features several sections: 'Maternal Line Ancestry' with 'mtDNA Results & Tools' (completed May 11, 2021), 'Family Ancestry' with 'Autosomal DNA Results & Tools' (completed August 22, 2017), 'Melanie's updates' (survey completion prompts), and 'Group Projects' (listing County of Louth DNA Project, Doherty, J-mtDNA, Romania, and Rooney). Utility buttons like 'Add Ons & Upgrades', 'Customize Dashboard', and 'Help' are visible in the top right.

Match List



Ancestral Surnames

MacLean (Prince Edward Island, Canada)

DNA Match Profile



Family Finder Matches

To link matches, we need your permission to access your MyHeritage tree. You will be redirected back to this page after sign in. [Sign in to MyHeritage](#)

All Matches

Detail View

Table View

Exact Search

Search

All (19244)

Paternal (2387)

Maternal (2)

Both (0)

Filter



Match #1

AUTOSOMAL TRANSFER



Ancestral Surnames
Not Provided

Haplogroup
Y-DNA: N/A
mtDNA: N/A

Relationship Range
Parent/Child
FATHER Unlink

Shared DNA
3536 cM

Longest Block
281 cM

X Match
181 cM

Match date: April 01 2021



Match #2

AUTOSOMAL TRANSFER



Ancestral Surnames
Not Provided

Haplogroup
mtDNA: N/A

Relationship Range
Half Sibling,
Uncle/Aunt/Niece/Nephe...
AUNT Unlink

Shared DNA
1687 cM

Longest Block
120 cM

X Match
80 cM

Match date: March 30 2021

- All
- Name
- Ancestral Surname
- mtDNA Haplogroup
- Y-DNA Haplogroup



Searching and Filtering Matches

FamilyTreeDNA Home Results & Tools Family Tree Group Projects Add Ons & Upgrades 8

Family Finder Matches Help

Notification: To link matches, we need your permission to access your MyHeritage tree. You will be redirected back to this page after sign in. [Sign in to MyHeritage](#)

All Matches Detail View Table View Exact Search × All

All (9) Paternal (9) Maternal (0) Both (0) Filter Sort by Export CSV

| Match # | Ancestral Surnames | Haplogroup | Relationship Range | Shared DNA | Longest Block | X Match |
|--|---|---------------------------------|--|------------|---------------|---------------------------------------|
| Match #1 AUTOSOMAL TRANSFER | Not Provided | Y-DNA: N/A mtDNA: N/A | 3rd Cousin - 5th Cousin Link on Family Tree | 29 cM | 20 cM | No Match Match date: March 31 2021 |
| Match #2 AUTOSOMAL TRANSFER BIG Y-500 | View Details Cahill, Clancy, Clerkin, Fahy, Feely, Flattery, McGuinness, McGinnity, McMahan,... | Y-DNA: R-BY436... mtDNA: N/A | 3rd Cousin - 5th Cousin Link on Family Tree | 15 cM | 15 cM | No Match Match date: May 13 2021 |

Search Results by Ancestral Surname

FamilyTreeDNA Home Results & Tools Family Tree Group Projects Add Ons & Upgrades

Family Finder Matches

To link matches, we need your permission to access your MyHeritage tree. You will be redirected back to this page after sign in. [Sign in to MyHeritage](#)

All Matches **Detail View** Table View Exact Search Ancestral Surname

All (5) Paternal (5) Maternal (0) Both (0) Filter Sort by Export CSV

| Match # | Match Type | Ancestral Surnames | Haplogroup | Relationship Range | Shared DNA | Longest Block |
|----------|---------------------------------|--|---------------------------------|--|------------|---------------|
| Match #1 | AUTOSOMAL TRANSFER BIG Y-500 | Cahill, Clancy, Clerkin, Fahy, Feely, Flattery, McGuinness, McGinnity, McMahan,... | Y-DNA: R-BY436... mtDNA: N/A | 3rd Cousin - 5th Cousin Link on Family Tree | 15 cM | 15 cM |
| Match #2 | Y-DNA37 | Boylan, Byrne, Burns, Callaghan, Clarkin, Curley, Burns, Byrne, Callaghan, McKenn... | Y-DNA: R-M mtDNA: N/A | | | |

In Common With

Not In Common With

In Common With

Not In Common With

X Match

No Match

Match date: July 05 2023

Filter by In Common/Not in Common Matches

FamilyTreeDNA Home Results & Tools Family Tree Group Projects Add Ons & Upgrades 8

Family Finder Matches Help

To link matches, we need your permission to access your MyHeritage tree. You will be redirected back to this page after sign in. [Sign in to MyHeritage](#)

All Matches Detail View Table View Exact Search All

All (131) Paternal (78) Maternal (0) Both (0) Filter Sort by Export CSV

In Common | [Not In Common](#)

| Match # | Autosomal Transfer | Ancestral Surnames | Haplogroup | Relationship Range | Shared DNA | Longest Block | X Match |
|----------|--------------------|--------------------|--------------------------|--|------------|---------------|---------|
| Match #1 | AUTOSOMAL TRANSFER | Not Provided | Y-DNA: N/A mtDNA: N/A | Parent/Child FATHER Unlink | 3536 cM | 281 cM | 181 cM |
| Match #2 | AUTOSOMAL TRANSFER | Not Provided | mtDNA: N/A | Half Sibling, Uncle/Aunt/Niece/Nephe... | 1687 cM | 120 cM | 80 cM |

Match date: April 01 2021

Search Results Filtered in Common with "Clerkin" DNA Match

Family Tree Builder Changes

- FamilyTree DNA's family tree builder was “sunset” on September 9, 2024; existing trees became read-only
- Trees from FamilyTree DNA can be transferred to MyHeritage for free

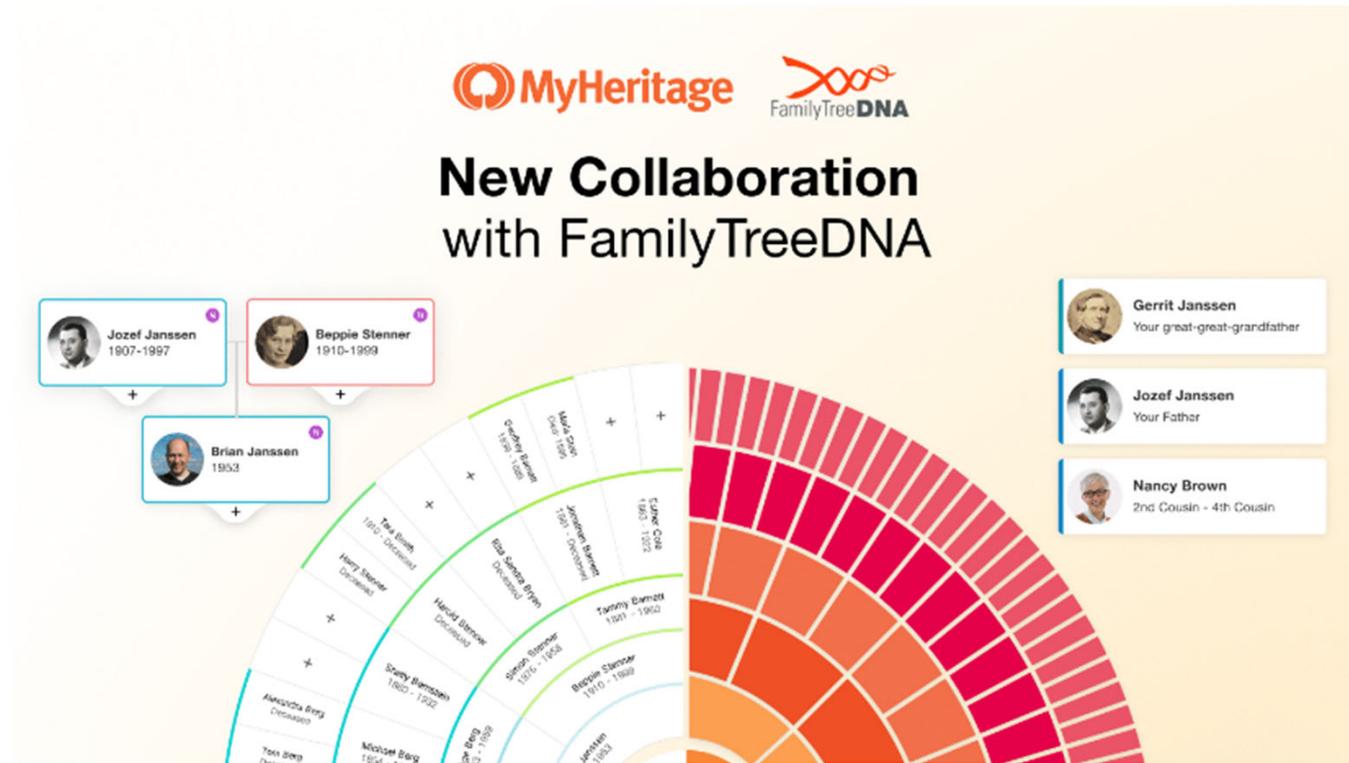
GENEALOGY • MYHERITAGE NEWS

New Collaboration with FamilyTreeDNA

By Erica • July 18, 2024

 Like 358

SHARE



MyHeritage **FamilyTreeDNA**

New Collaboration with FamilyTreeDNA

Jozef Janssen 1907-1997

Beppie Stenner 1910-1999

Brian Janssen 1953

Gerrit Janssen
Your great-great-grandfather

Jozef Janssen
Your Father

Nancy Brown
2nd Cousin - 4th Cousin

blog.myheritage.com/2024/07/new-collaboration-with-familytreedna

FamilyTreeDNA Home Results & Tools Family Tree Group Projects Add Ons & Upgrades 8 1

Family Finder Matches ? Help

All Matches **Detail View** Table View Exact Search × All

All (131) Paternal (78) Maternal (0) Both (0) Filter Sort by Export CSV

131 Matches In Common | Not In Common

| Ancestral Surnames | Haplogroup | Relationship Range | Shared DNA | Longest Block | X Match |
|--------------------------------------|--------------------------|--|------------|---------------|----------|
| Not Provided | Y-DNA: N/A mtDNA: N/A | Parent/Child FATHER Unlink | 3536 cM | 281 cM | 181 cM |
| Not Provided | mtDNA: N/A | Half Sibling, Uncle/Aunt/Niece/Nephe... AUNT Unlink | 1687 cM | 120 cM | 80 cM |
| MacLean View Details | mtDNA: N/A | 1st Cousin - 3rd Cousin, Great/Half... Link on Family Tree | 317 cM | 162 cM | No Match |

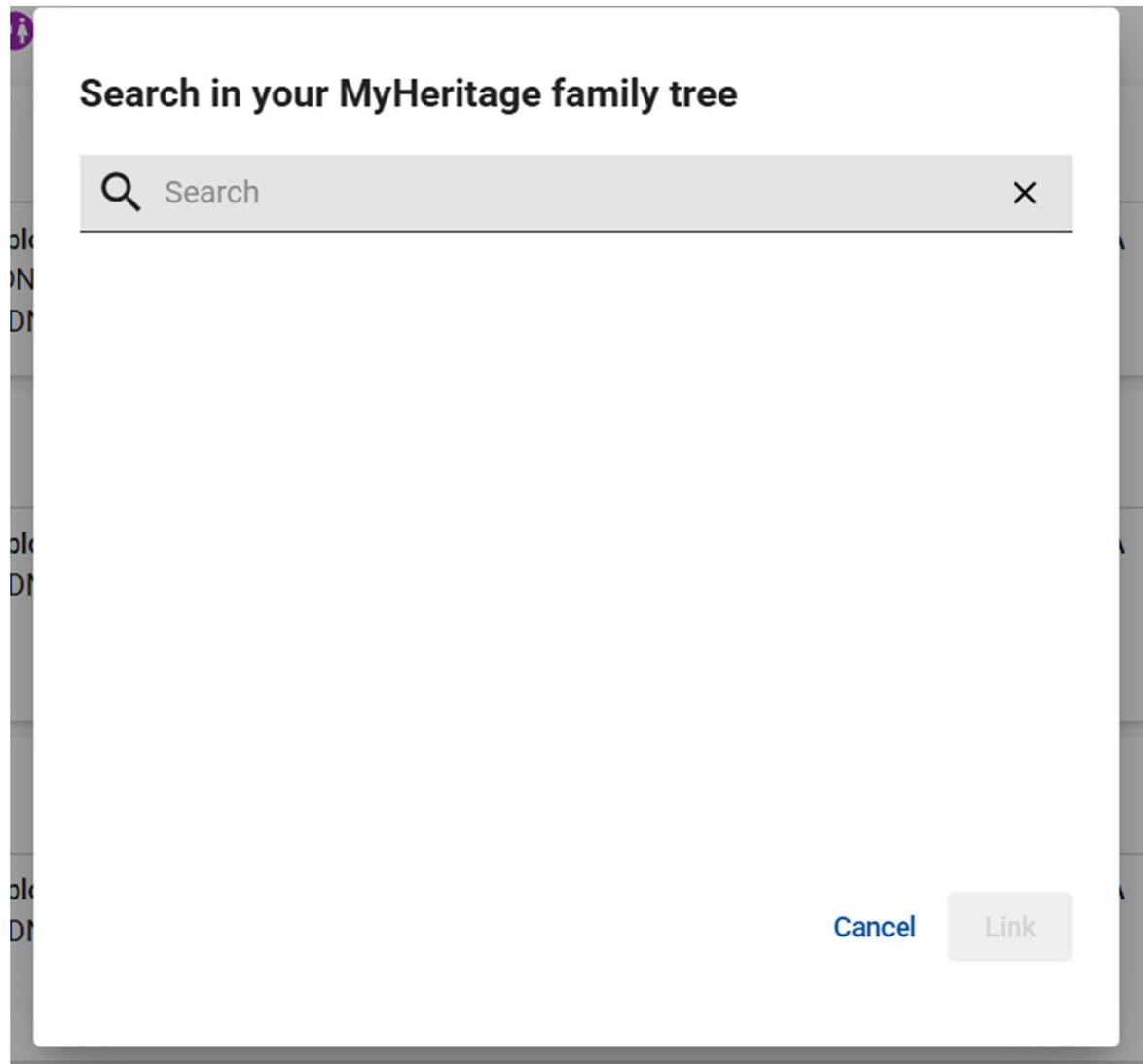
Search Results Filtered in Common with "Clerkin" DNA Match

Link DNA Matches

- Link DNA matches to people within your MyHeritage tree
- Allows for maternal/paternal sorting in match list

| All Matches | | Detail View | Table View | Exact Search | Search | All | |
|--------------------------|---|---|---|---|----------------------|-------------------------|--|
| All (19244) | Paternal (2387) | Maternal (2) | Both (0) | Filter | Sort by | Export CSV | |
| <input type="checkbox"/> | Match #4 | Ancestral Surnames Not Provided | Haplogroup mtDNA: N/A | Relationship Range 1st Cousin - 3rd Cousin, Great/Half... 2ND COUSIN 1R Unlink | Shared DNA 253 cM | Longest Block 106 cM | X Match No Match Match date: April 19 2021 |
| <input type="checkbox"/> | Match #5 MTFULL SEQUENCE BIG Y-700 BIG Y-500 | Ancestral Surnames View Details Arkowitz, Bulkin, Fajbisiewicz, Golden, Gerszon, Horn, Kaplan, Kramer,... | Haplogroup Y-DNA: J-ZS2739 mtDNA: K1a1b1a | Relationship Range 1st Cousin - 3rd Cousin, Great/Half... Link on Family Tree | Shared DNA 216 cM | Longest Block 50 cM | X Match No Match Match date: May 03 2021 |

DNA Match List with Linking Status



Search DNA Match in MyHeritage Tree

FamilyTreeDNA myOrigins

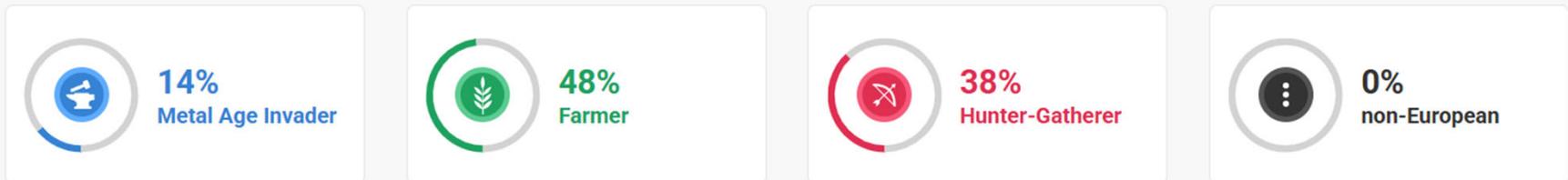
- Origins Estimate of Your Distant Ancestors

| | |
|--------------------|------|
| Europe | 100% |
| Western Europe | |
| • Ireland | 45% |
| European Jewish | |
| • Ashkenazi Jewish | 26% |
| Eastern Europe | |
| • Magyar | 16% |
| Baltic | |
| • Baltic | 8% |
| Southern Europe | |
| • Basque | 5% |
| • Greece & Balkans | <1% |



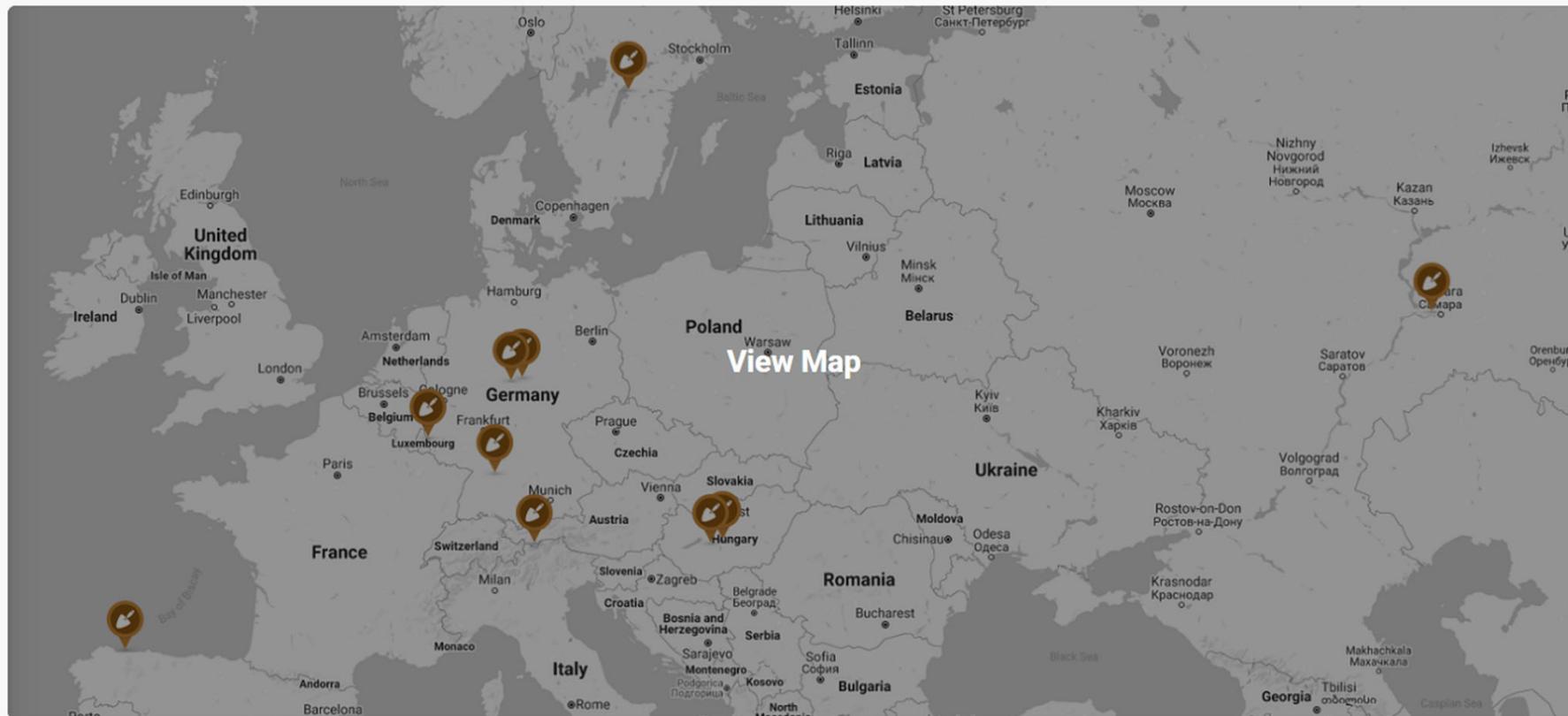
Ancient European Origins

The European Continent has been witness to many episodes of human migration, some of which have spanned over thousands of years. The most up-to-date research into these ancient migrations on the European Continent suggests that there were three major groups of people that have had a lasting effect on present day peoples of European descent: Hunter-Gatherers, Early Farmers, and Metal Age Invaders. The graphics below display the percentages of autosomal DNA that you still carry from these ancient European groups. You can click on these graphics to display more information.



Ancient Origins

Ancient European Origins map



Ancient Origins Map



Ancient Origins Map with Detail

The screenshot shows the FamilyTreeDNA Chromosome Browser interface. At the top, there is a navigation bar with 'Home', 'Results & Tools', 'Family Tree', and 'Group Projects'. A red button for 'Add Ons & Upgrades' and a notification bell with '8' are also visible. The main header reads 'Chromosome Browser' with a 'Help' link.

On the left, a 'Compare' section shows 'Melanie McComb' and 'YOU' selected. Below it, a 'With' section contains the instruction: 'To compare, start by selecting up to 7 from your DNA matches'. There are five empty checkboxes for selection.

The main area is titled 'DNA Matches' and features a 'Download All Segments' button and a search box labeled 'Search Name'. Below this is a table of matches:

| Name | Relationship Range | Shared Segments | Shared DNA | Longest Block |
|--------------------------|---|-----------------|------------|---------------|
| <input type="checkbox"/> | Parent/Child | 22 | 3,536 | 281 |
| <input type="checkbox"/> | Half Sibling, Uncle/Aunt/Niece/Nephew,... | 41 | 1,687 | 120 |
| <input type="checkbox"/> | 1st Cousin - 3rd Cousin, Great/Half... | 8 | 317 | 162 |
| <input type="checkbox"/> | 1st Cousin - 3rd Cousin, Great/Half... | 9 | 253 | 106 |
| <input type="checkbox"/> | 1st Cousin - 3rd Cousin, Great/Half... | 12 | 216 | 50 |

Chromosome Browser Tool

Chromosome Browser ? Help

Compare

Melanie McComb YOU

With

Selected 3/7 Clear All

Update Selected Matches

← Shared DNA Segments

Chromosome View Detailed Segment Data

6+ centimorgans Download Segments

The image displays a chromosome browser interface for shared DNA segments. On the left, a sidebar allows for comparison between 'Melanie McComb' and 'YOU'. Below this, there is a 'With' field, a 'Selected 3/7' indicator, and a 'Clear All' link. A prominent orange button labeled 'Update Selected Matches' is positioned at the bottom of the sidebar. The main area, titled 'Shared DNA Segments', features two tabs: 'Chromosome View' (selected) and 'Detailed Segment Data'. A filter dropdown is set to '6+ centimorgans', and a 'Download Segments' link is available. The browser shows five chromosomes (1-5) with horizontal bars representing DNA segments. Chromosome 1 has a red segment, a hatched segment, and a blue segment. Chromosome 2 has a blue segment. Chromosome 3 has a blue segment. Chromosome 4 has a blue segment and a teal segment. Chromosome 5 has a blue segment and a red segment.

Chromosome Browser – Shared DNA Segments



Chromosome Painter

Chromosome Painting

Detailed Segments

Super Population

Continent

Filter

Download Segments

Melanie McComb



Europe

100%

Western Europe

44.9%

Ireland

European Jewish

26.3%

Ashkenazi Jewish

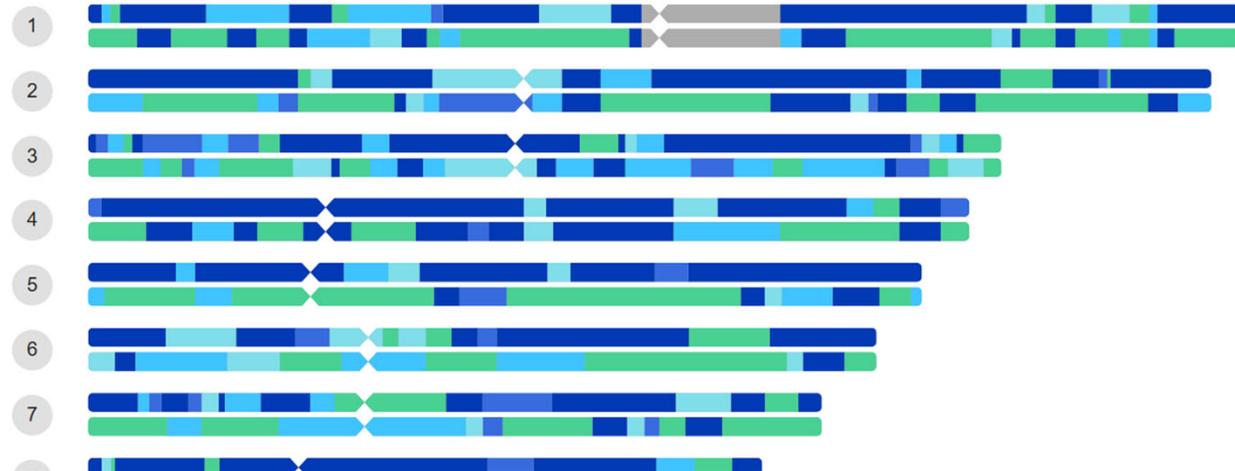
Eastern Europe

15.7%

Magyar

Baltic

7.7%



Chromosome Painter



FAMILY FINDER - MATRIX

The **Family Finder Matrix** page allows you to select up to 10 people and compare their Family Finder relationships in a grid (matrix).

The page defaults to two lists:

- Matches: These are Family Finder matches who can be added to the grid.
- Selected Matches: These are Family Finder matches who are currently included in the grid.

Add matches to the matrix by clicking a name or names on the Matches list and then clicking the Add button. Remove matches from the matrix by clicking a name or names in the Selected Matches list and then clicking the Remove button. The grid displays under the list as you begin to add matches to the Selected Matches list. The grid shows those who share a genetic relationship according to Family Finder results with a white check mark on a blue background. When two matches do not match each other, the grid shows a blank white square.

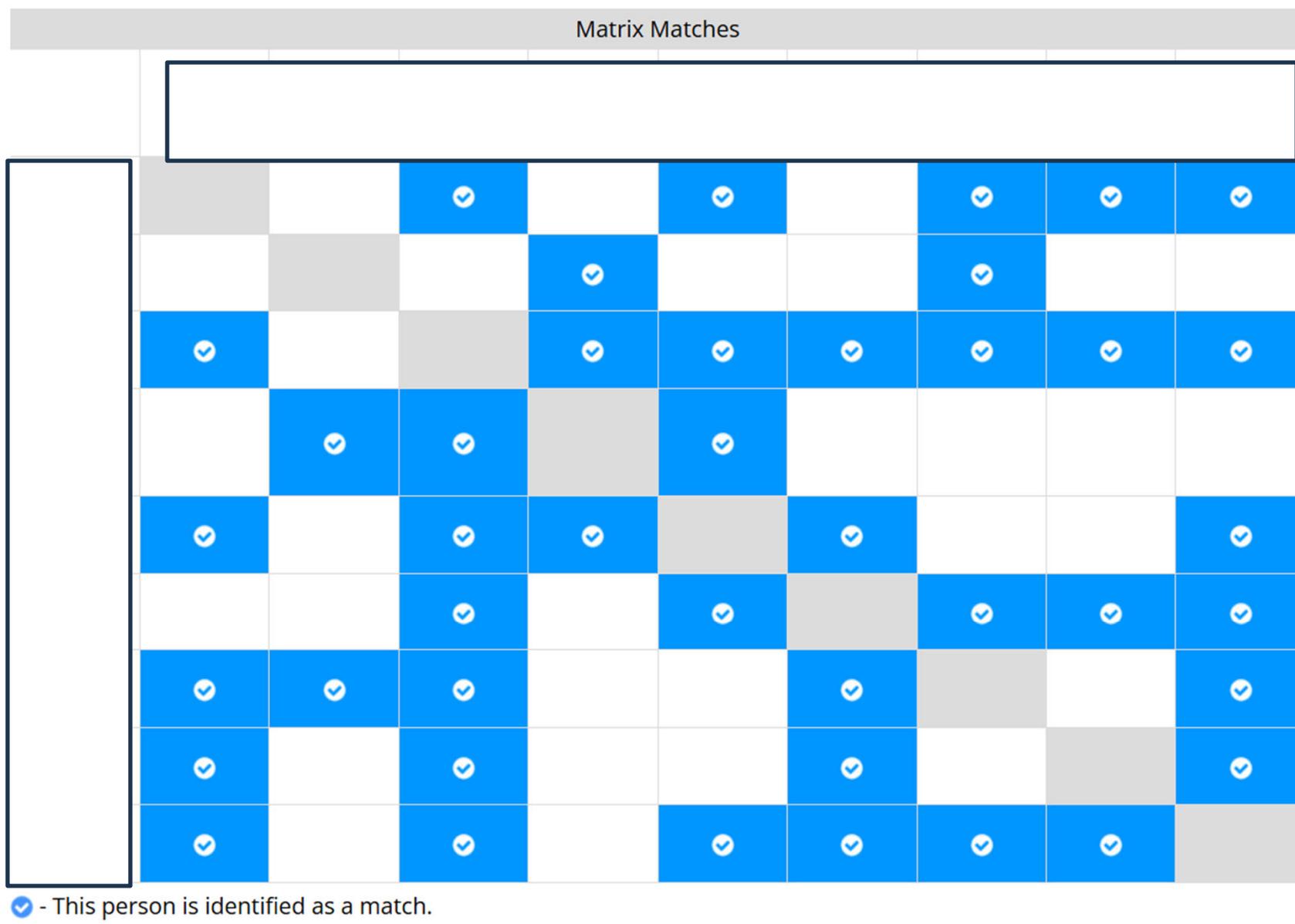
Matches

Add »

« Remove

Selected Matches

Family Finder Matrix



Family Finder Matrix

FamilyTree DNA Y-DNA and mtDNA Test Features

- DNA Match List
- Mutations
- Assigned haplogroup
- Haplogroup Origins
- Migration Map
- Matches Maps
- mtDNA and Y-DNA Journeys – video explanations of your results

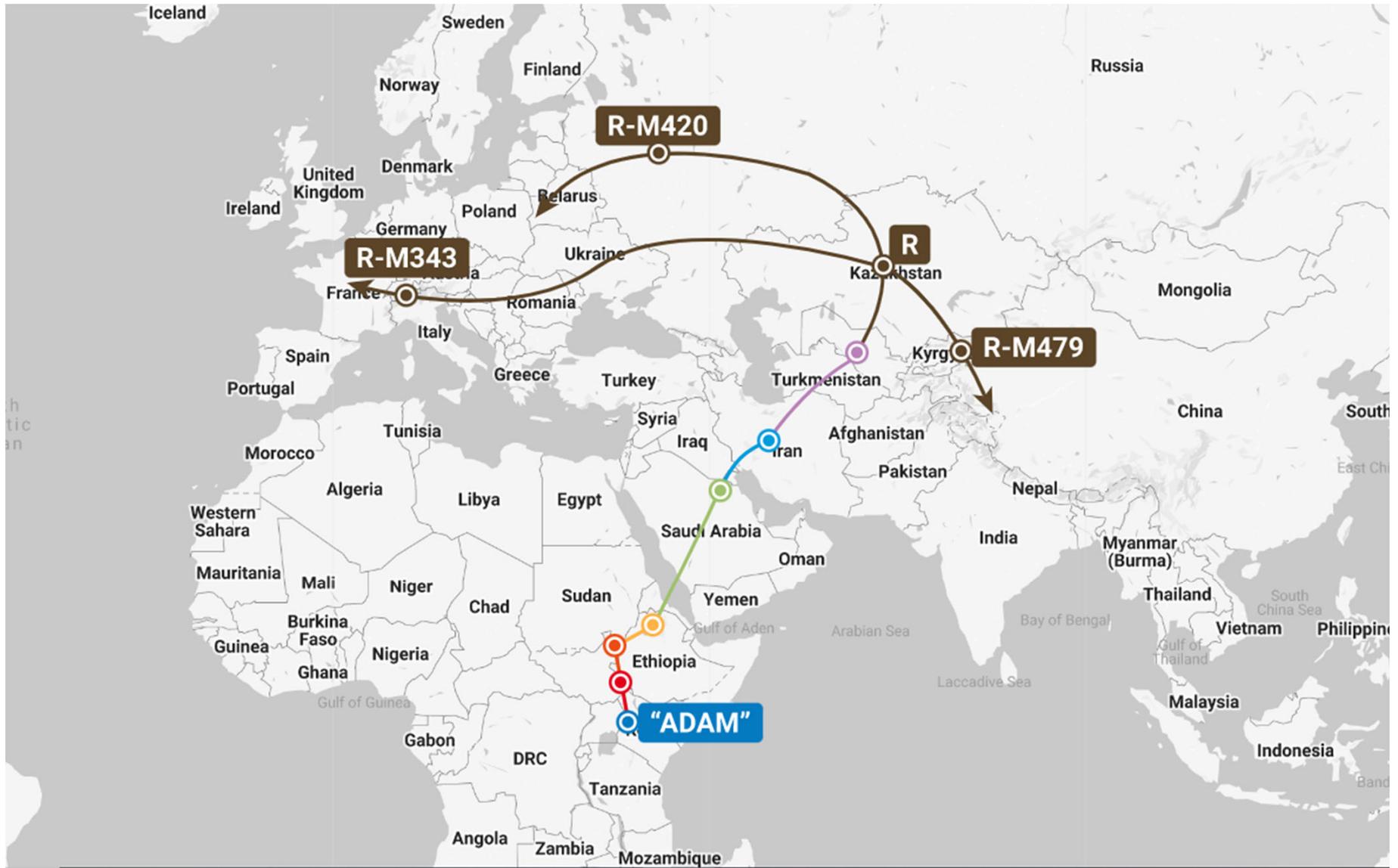
FTDNA Y-DNA Matches

Y-DNA Matches ? Help

Detail View Table View
 Exact Search
Search
All

111 Markers (3)
67 Markers (28)
37 Markers (10)
25 Markers (20)
12 Markers (346)
Filter
Sort by
Export CSV

| | | | | | |
|---|--|--|--------------------------|--|--|
| FAMILY FINDER BIG Y-700 | | | | | |
| Markers Tested 1 to 700 | Genetic Distance 8 steps Link on Family Tree | Big Y STR Differences Not Available | Y Haplogroup R-Y32988 | Paternal Country of Origin Ireland | Paternal Earliest Known Ancestor William Dougherty, b 1869, Lisburn Co... |
| Match date: March 19 2021 | | | | | |
| FAMILY FINDER MTFULL SEQUENCE Y-DNA111 | | | | | |
| Markers Tested 1 to 111 | Genetic Distance 9 steps Link on Family Tree | Big Y STR Differences Not Available | Y Haplogroup R-BY470 | Paternal Country of Origin England | Paternal Earliest Known Ancestor Phillip Edwards b c1780 |
| Match date: March 19 2021 | | | | | |
| MTDNA PLUS BIG Y-500 | | | | | |
| Markers Tested 1 to 500 | Genetic Distance 10 steps | Big Y STR Differences Not Available | Y Haplogroup R-Y32988 | Paternal Country of Origin Unknown Origin | Paternal Earliest Known Ancestor Robert Doherty, b. 18 May 1815... |



Y-DNA Haplogroup Map



Home Results & Tools Family Tree Group Projects Add Ons & Upgrades  

FTDNATiP™ Report [? Help](#)

Most Recent Common Ancestor Time Predictor based on Y-STR Genetic Distance

| Genetic Distance ⓘ | Y-12 TMRCA ⓘ | Y-25 TMRCA ⓘ | Y-37 TMRCA ⓘ | Y-67 TMRCA ⓘ | Y-111 TMRCA ⓘ |
|--------------------|---|--|--|--|--|
| 0 | <input checked="" type="checkbox"/> 1600 CE (950 - 1950 CE) | <input checked="" type="checkbox"/> 1750 CE (1400 - 1950 CE) | <input checked="" type="checkbox"/> 1800 CE (1600 - 1950 CE) | <input checked="" type="checkbox"/> 1850 CE (1700 - 1950 CE) | <input checked="" type="checkbox"/> 1850 CE (1750 - 1950 CE) |
| 1 | <input checked="" type="checkbox"/> 1100 CE (300 BCE - 1850 CE) | <input checked="" type="checkbox"/> 1550 CE (1000 - 1900 CE) | <input checked="" type="checkbox"/> 1750 CE (1450 - 1900 CE) | <input checked="" type="checkbox"/> 1800 CE (1600 - 1900 CE) | <input checked="" type="checkbox"/> 1850 CE (1700 - 1900 CE) |
| 2 | | <input checked="" type="checkbox"/> 1300 CE (400 - 1800 CE) | <input checked="" type="checkbox"/> 1650 CE (1250 - 1850 CE) | <input checked="" type="checkbox"/> 1700 CE (1450 - 1900 CE) | <input checked="" type="checkbox"/> 1800 CE (1650 - 1900 CE) |
| 3 | | | <input checked="" type="checkbox"/> 1500 CE (1000 - 1800 CE) | <input checked="" type="checkbox"/> 1600 CE (1300 - 1850 CE) | <input checked="" type="checkbox"/> 1750 CE (1600 - 1900 CE) |
| 4 | | | <input checked="" type="checkbox"/> 1300 CE (650 - 1750 CE) | <input checked="" type="checkbox"/> 1500 CE (1100 - 1800 CE) | <input checked="" type="checkbox"/> 1700 CE (1500 - 1850 CE) |
| 5 | | | | <input checked="" type="checkbox"/> 1400 CE (900 - 1750 CE) | <input checked="" type="checkbox"/> 1650 CE (1450 - 1800 CE) |
| 6 | | | | <input checked="" type="checkbox"/> 1250 CE (650 - 1700 CE) | <input checked="" type="checkbox"/> 1600 CE (1350 - 1800 CE) |
| 7 | | | | <input checked="" type="checkbox"/> 1100 CE (400 - 1600 CE) | <input checked="" type="checkbox"/> 1500 CE (1200 - 1750 CE) |
| 8 | | | | | <input checked="" type="checkbox"/> 1450 CE (1100 - 1700 CE) |
| 9 | | | | | <input checked="" type="checkbox"/> 1350 CE (950 - 1650 CE) |

FamilyTree DNA Tip (Time Predictor)

FILTER MATCHES

Show Matches For: The Entire Database Regions: HVR1, HVR2, Coding Regions Matches Per Page: 25

Last Name Starts With: (Optional) New Since: Run Report

HVR1, HVR2, CODING REGIONS - 117 MATCHES Page: 1 2 3 4 5 of 5

| Genetic Distance | Name | Earliest Known Ancestor | mtDNA Haplogroup | Match Date |
|------------------|-------------------------------------|-------------------------|------------------|------------|
| 0 | | FMS FF | J1c14 | 5/11/2021 |
| 0 | | FMS Autosomal Transfer | J1c14 | 5/11/2021 |
| 0 | | FMS FF | J1c14 | 5/11/2021 |
| 0 | Link on Family Tree | FMS FF | J1c14 | 5/11/2021 |

mtDNA Match List

mtDNA - Mutations

[? Help](#)

Haplogroup - J1c14

Your Origin



The mitochondrial haplogroup J contains several sub-lineages. The original haplogroup J originated in the Near East approximately 50,000 years ago. Within Europe, sub-lineages of haplogroup J have distinct and interesting distributions. Haplogroup J1 is found distributed throughout Europe, from Britain to Iberia and along the Mediterranean coast. This widespread distribution strongly suggests that haplogroup J1 was part of the Neolithic spread of agriculture into Europe from the Near East beginning approximately 10,000 years ago.

*Based on Build 17 from:

van Oven M, Kayser M. 2009. *Updated comprehensive phylogenetic tree of global human mitochondrial DNA variation*. Hum Mutat 30(2):E386-E394.

<http://www.phylotree.org/> (Build 17)

USAGE POLICY: Use of the above Haplogroup description requires written permission from Gene by Gene.

Your Results

[Download mitoYDNA File](#)

RSRS Values

rCRS Values

Extra Mutations

G185A G228A 309.1C 315.1C 522.1A 522.2C T16093C C16519T

Missing Mutations

HVR1 DIFFERENCES FROM RSRS

| | | | | |
|---------|---------|---------|---------|---------|
| C16069T | T16093C | T16126C | A16129G | T16187C |
|---------|---------|---------|---------|---------|

HVR2 DIFFERENCES FROM RSRS

| | | | | |
|-------|-------|-------|-------|-------|
| C146T | C152T | G185A | G228A | A247G |
|-------|-------|-------|-------|-------|

CODING REGION DIFFERENCES FROM RSRS

| | | | |
|-------|-------|--------|--------|
| A769G | A825t | A1018G | A2758G |
|-------|-------|--------|--------|

English

mtDNA Mutations



mtDNA Migration Map



mtDNA - Ancestral Origins

[? Help](#)

HVR1 MATCHES [i](#)

| Country i | Match Total i | Country Total i | Percentage i | Comments i |
|---------------------------|-------------------------------|---------------------------------|------------------------------|----------------------------|
| Austria | 2 | 1597 | 0.1% | |
| Belarus | 5 | 1018 | 0.5% | Ashkenazi (2), Polesia (1) |
| Canada | 1 | 2574 | < 0.1 % | |
| Germany | 3 | 19288 | < 0.1 % | Ashkenazi (1) |
| Hungary | 8 | 1817 | 0.4% | Ashkenazi (1) |
| Lithuania | 13 | 1737 | 0.7% | Ashkenazi (5) |
| Poland | 21 | 7426 | 0.3% | Ashkenazi (5), Galicia (1) |
| Romania | 7 | 1107 | 0.6% | Ashkenazi (3) |
| Russian Federation | 14 | 4520 | 0.3% | Ashkenazi (5) |
| Slovakia | 1 | 982 | 0.1% | |
| Ukraine | 13 | 3137 | 0.4% | Ashkenazi (8) |
| United Kingdom | 1 | 9198 | < 0.1 % | |

HVR1 AND HVR2 MATCHES [i](#)

| Country i | Match Total i | Country Total i | Percentage i | Comments i |
|---------------------------|-------------------------------|---------------------------------|------------------------------|----------------------------|
| Belarus | 4 | 856 | 0.5% | Ashkenazi (1), Polesia (1) |

mtDNA Ancestral Origins



mtDNA - Haplogroup Origins

[? Help](#)

HVR1 MATCHES [i](#)

| Haplogroup i | Country i | Comments i | Match Total i |
|------------------------------|---------------------------|----------------------------|-------------------------------|
| J | Austria | - | 1 |
| J | Belarus | - | 2 |
| J | Belarus | Ashkenazi | 1 |
| J | Belarus | Polesia | 1 |
| J | Germany | - | 2 |
| J | Germany | Ashkenazi | 1 |
| J | Hungary | - | 3 |
| J | Hungary | Ashkenazi | 1 |
| J | Lithuania | - | 3 |
| J | Lithuania | Ashkenazi | 4 |
| J | Poland | - | 6 |
| J | Poland | Ashkenazi | 5 |
| J | Poland | Galicia | 1 |
| J | Romania | - | 4 |
| J | Romania | Ashkenazi | 2 |

mtDNA Haplogroup Origins

Matches Maps

mtDNA HVR1

Map Satellite

Your Marker

Name: **Melanie McComb**
Earliest Known Ancestor: **Rebecca () Goldschmied, b. 1840**
Marker Location: **Vrancea, Romania**

Keyboard shortcuts | Map data ©2025 G

Matches Maps

Recommended Projects Matching Your Surname

| 29 MATCHING PROJECTS | | | PROJECTS PER PAGE: 10 |
|--|---------|--|-----------------------|
| Project | Members | Description | |
| Ballycarry DNA Project | 111 | The aim of the project is to explore the connections between people who are the descendants of those who lived in the historic North of Ireland village of Ballycarry, which has strong Scottish connections. read more... | |
| British Nobles Barons Gentry | 4331 | Male line descendants of British & Irish Earls Nobles Barons and Gentry may join. At present we do not have an Activity Feed. we also lack a co-administrator so grouping will be delayed. For a more read more... | |
| Chelsea, Massachusetts | 545 | For you who are checking this out it is a Project for the towns of Chelsea, Revere [No. Chelsea, Prattsville,] and Winthrop Massachusetts. We are doing this in conjunction with the MACHELSEA-L@roots read more... | |
| Clare Roots Society | 2057 | To learn more about the Clare Roots project, please go to the Background page . read more... | |
| County Down N.I. | 745 | This site is for those of us whose antecedents, originated in County Down, Northern Ireland, close to where the Mountains of Mourne sweep down to the sea and includes the settlements of Ardglass, Banbridge. read more... | |
| County Derry | 143 | The purpose of the project is to autosomally test those of a County Derry pedigree and to establish the family connection between them. read more... | |
| County Donegal | 462 | The Donegal DNA Project is for those who have done a DNA test (or are awaiting results of such) and whose four grandparents are from County Donegal or the City of Derry. The concentration is upon Donegal. read more... | |
| County Longford | 346 | Welcome to the County Longford Project. The purpose is to allow People with ties to Longford to test and be compared to others with ties to the same area. The fact they have ties to the same area would be interesting. read more... | |
| Doherty | 942 | Welcome, researchers of all Doherty variant surnames. We invite you to become a participant in the Doherty Surname DNA Project. We hope you will find in this project a new link to your respective family. read more... | |
| EARLY PENNSYLVANIA | 1496 | This project is to help researchers make connections with others whose ancestors immigrated through Pennsylvania before 1850. Several major groups used Pennsylvania as their gateway to a new life. read more... | |

Recommended Projects by Surname of DNA Tester

Browse Group Projects

| SURNAME PROJECTS | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| A(291) | Á(2) | B(770) | C(645) | D(377) | E(168) | F(310) | G(406) | H(517) | I(53) | J(105) |
| K(324) | L(367) | M(701) | N(130) | O(120) | Ó(1) | P(410) | Q(24) | R(387) | S(804) | T(344) |
| U(23) | V(154) | W(367) | X(2) | Y(31) | Z(55) | (1)ᵀ | (10)ᵀ | (1)ᵀ | (1)ᵀ | (1)ᵀ |
| (5)ᵀ | (13)ᵀ | (1)ᵀ | | | | | | | | |
| Y-DNA GEOGRAPHICAL PROJECTS | | | | | | | | | | |
| 4(2) | A(27) | B(16) | C(23) | D(8) | E(17) | F(7) | G(11) | H(7) | I(12) | J(9) |
| K(14) | L(10) | M(11) | N(13) | O(3) | P(13) | Q(5) | R(6) | S(23) | T(8) | U(7) |
| V(6) | W(6) | X(1) | Y(2) | Z(2) | (2)ᵀ | (7)ᵀ | | | | |
| MTDNA GEOGRAPHICAL PROJECTS | | | | | | | | | | |
| A(3) | B(1) | C(6) | E(1) | F(1) | G(1) | H(2) | I(2) | M(5) | N(3) | P(1) |
| Q(1) | S(4) | T(1) | U(2) | V(1) | W(1) | | | | | |
| DUAL (Y-DNA AND MTDNA) GEOGRAPHICAL PROJECTS | | | | | | | | | | |
| 4(2) | 6(1) | A(61) | Á(1) | B(45) | C(72) | D(21) | E(25) | F(18) | G(41) | H(24) |
| I(24) | J(38) | K(29) | L(26) | M(46) | N(64) | O(19) | Ö(1) | P(47) | Q(4) | R(23) |

Recommended Projects by Surname of DNA Tester



Doherty Surname Group

O'Dochartaigh

761 members

[About](#)

[DNA Results](#)

[Surnames](#)

[Activity Feed](#)

[Photos](#)

[Links](#)

Administrators

- Bob Doherty
- Eva Doherty Gremmert
- Zack Daugherty

Co-Administrators

- Kay Schmid
- Paul Docherty

Y-DNA

[Classic Chart](#)

Members' STR results and subgroups

[Colorized Chart](#)

Members' STR results with colorized differences

[SNPs](#)

Member haplogroups and SNP test results

mtDNA

[Results](#)

Members' mtDNA test results

[Map](#)

Map of group member locations

www.familytreedna.com

DOHERTY SURNAME Y-DNA PROJECT - Y-DNA Classic Chart

For genealogy within the most recent fifteen generations, STR markers help define paternal lineages. Y-DNA STR markers change (mutate) often enough that most men who share the same STR results also share a recent paternal lineage. This page displays Y-Chromosome DNA (Y-DNA) STR results for the project. It uses the classic format. The columns display each project member's kit number, paternal ancestry information according to project settings, the paternal tree branch (haplogroup), and actual STR marker results. The color coding of STR marker names is explained [here](#). In the haplogroups column, haplogroups in green are confirmed by SNP testing. Haplogroups in red are predicted. You may learn more about Y-DNA STRs on the [Understanding Y-DNA STRs](#) learning page.

Markers: Y-DNA12 Page Size: 500 Show All Columns

| Row Number | Kit Number | Name | Paternal Ancestor Name | Country | Haplogroup | DYS393 | DYS390 | DYS19 | DYS391 | DYS385 | DYS426 |
|--|------------|-----------|---|------------------|------------|--------|--------|-------|--------|--------|--------|
| Group 01.0.0.0 — BY471+ [Ó Dochartaigh Basal Clade 850-900 AD; needs closer matches] | | | | | | | | | | | |
| 1 | IN30139 | Doherty | John Doherty, b. 1859, d. 1910 | Ireland | R-BY471 | 13 | 24 | 14 | 11 | 11-13 | 12 |
| 2 | 167261 | Dougherty | | Ireland | R-M269 | 13 | 24 | 14 | 11 | 11-13 | 12 |
| 3 | 248703 | Doherty | AlexanderDocherty,b.1837Rutherglen,Lanarkshr,SCT | Scotland | R-M269 | 13 | 24 | 14 | 11 | 11-13 | 12 |
| 4 | 136924 | Dougherty | | Ireland | R-M269 | 13 | 24 | 14 | 11 | 11-13 | 12 |
| 5 | 162586 | Dougherty | John Dougherty, ~1800 - ~1870's | Ireland | R-M269 | 13 | 25 | 14 | 10 | 11-13 | 12 |
| 6 | 211747 | Dyson | | Unknown Origin | R-M269 | 13 | 25 | 14 | 11 | 11-12 | 12 |
| 7 | 175246 | Doherty | Charles Doherty, 1773 - 1840 | Ireland | R-M269 | 13 | 25 | 14 | 11 | 11-13 | 12 |
| 8 | 185940 | Doherty | Charles Doherty, b. 1743, Creehenan, Co. Donegal, | Ireland | R-M269 | 13 | 25 | 14 | 11 | 11-13 | 12 |
| 9 | 297999 | Doherty | | Unknown Origin | R-M269 | 13 | 25 | 14 | 11 | 11-13 | 12 |
| 10 | 62770 | McAmis | William McCamish, 1750-1826, Tyrone, Ireland | Northern Ireland | R-FGC8739 | 13 | 25 | 14 | 11 | 11-13 | 12 |
| 11 | 67802 | McCammish | William McCamish, 1750-1826, Tyrone, Ireland | Ireland | R-M269 | 13 | 25 | 14 | 11 | 11-13 | 12 |
| 12 | 102643 | McDevitt | John McDaid, b 1780, Buncrana, Donegal, Ireland | Ireland | R-M269 | 13 | 26 | 15 | 11 | 11-13 | 12 |
| Group 01.1.0.0 — BY471 > BY470/BY472+ [Clann Ó Dochartaigh ~1250 AD] | | | | | | | | | | | |

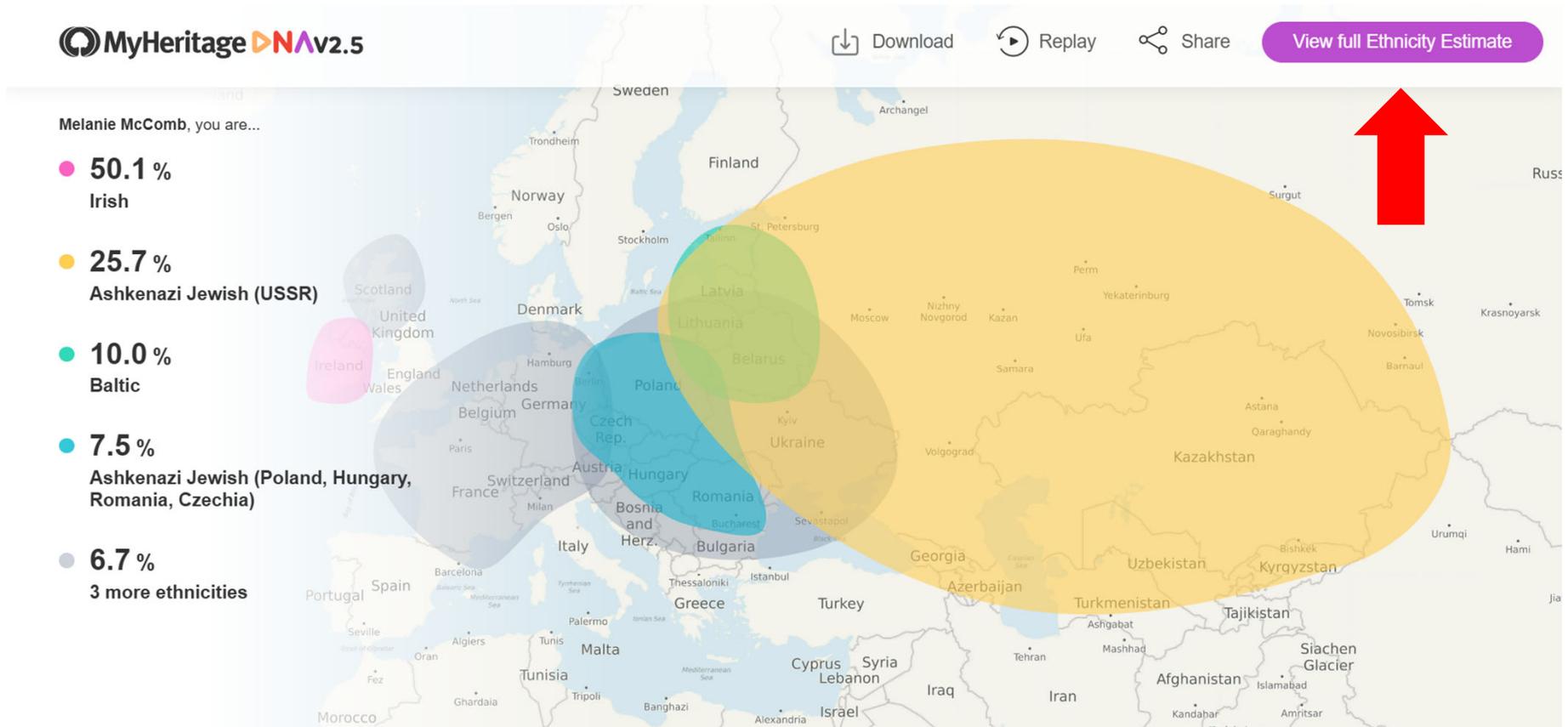
www.familytreedna.com

QUESTIONS?

MyHeritage

MyHeritage DNA

- Match List
- Contact Matches
- Exporting Matches
- \$29 Unlock Fee per Kit
 - Ethnicity Estimates
 - Chromosome Browser
 - Shared Matches
 - Theory of Relativity (similar to Ancestry's ThruLines tool)
 - Auto Clusters



Ethnicity Estimates – V2.5



Melanie McComb, this is you



Test additional family members

Get suggestions

Overview

Ethnicity Estimate

DNA Matches

DNA Tools

Your ethnicity results **UPDATED**

Ethnicity version: v2.5

GENETIC GROUPS CONFIDENCE LEVEL



EUROPE

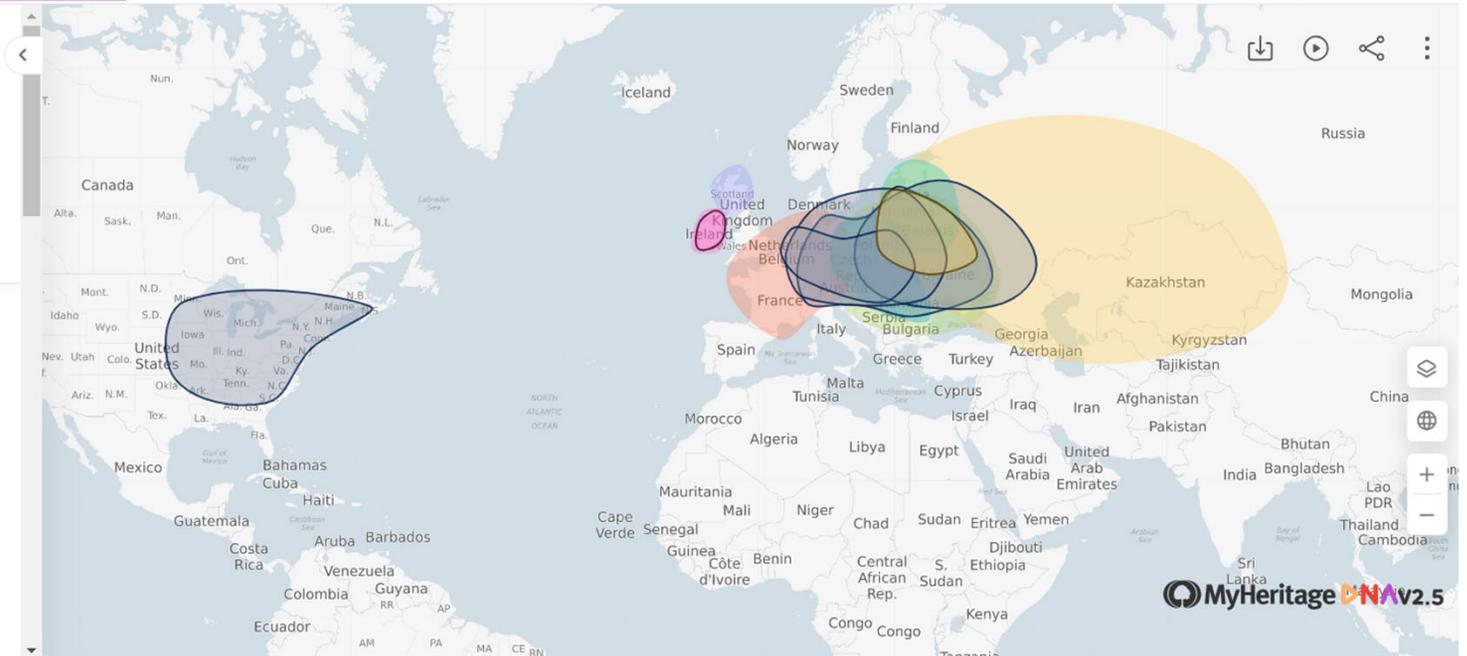
Irish 50.1%

Ireland, Northern Ireland, Scotland and England

Ashkenazi Jewish (USSR) 25.7%

Eastern Europe, mostly Belarus, Russia, Ukraine, Poland and Lithuania

Baltic 10.0%



Ethnicity Estimates – V2.5 Full Version



this is you | Showing 1–10 of 32,224 DNA Matches

- Age: 70's
DNA managed by [redacted]

Probable relationship
Parent's 1st cousin

DNA Match quality

Shared DNA: 4.4% (312.5 cM)
Shared segments: 8
Largest segment: 158.3 cM

Review DNA Match

View tree

Appears in a family tree with 6 people, managed by [redacted] from Canada
- Age: 70's
DNA managed by [redacted]

Probable relationship
Parent's 1st cousin

DNA Match quality

Shared DNA: 4.4% (312.5 cM)
Shared segments: 8
Largest segment: 158.3 cM

Review DNA Match

View tree

Appears in a family tree with 70 people, managed by [redacted] from Canada
- Age: 70's
DNA managed by [redacted]

Probable relationship
Parent's 1st cousin

DNA Match quality

Shared DNA: 4.2% (298.7 cM)
Shared segments: 7
Largest segment: 157.2 cM

Review DNA Match

View tree



Match List

DNA Matches >

< Previous match | Next match >

Review DNA Match



This is you
From: USA 



Age: 70's
DNA managed by 

Appears in a family tree with 6 people, managed by  from Canada [view tree](#)





Probable relationship

Parent's 1st cousin

DNA Match quality 

4.4% (312.5 cM)

Shared DNA

8

Shared segments

158.3 cM

Largest segment

Review DNA Match - # of cM's

Profile header showing two users. The left user is labeled "This is you". The right user has a profile picture and text: "Shared DNA: 4.4% (312.5 cM)". There are star and bookmark icons on the right.

Possible relationships ?

| Relationship | Probability | | Most Recent Common Ancestor(s) |
|----------------------------|-------------|--|--------------------------------|
| Parent's 1st cousin | 70.4% | | Great-grandparents |
| Parent's half 1st cousin ? | 10.8% | | Great-grandparent |
| 2nd cousin | 7.0% | | Great-grandparents |
| Grandparent's 1st cousin | 5.7% | | Great-great-grandparents |

[Show more relationships plus diagram](#)

Review Match – Possible Relationships

Shared DNA Matches ?

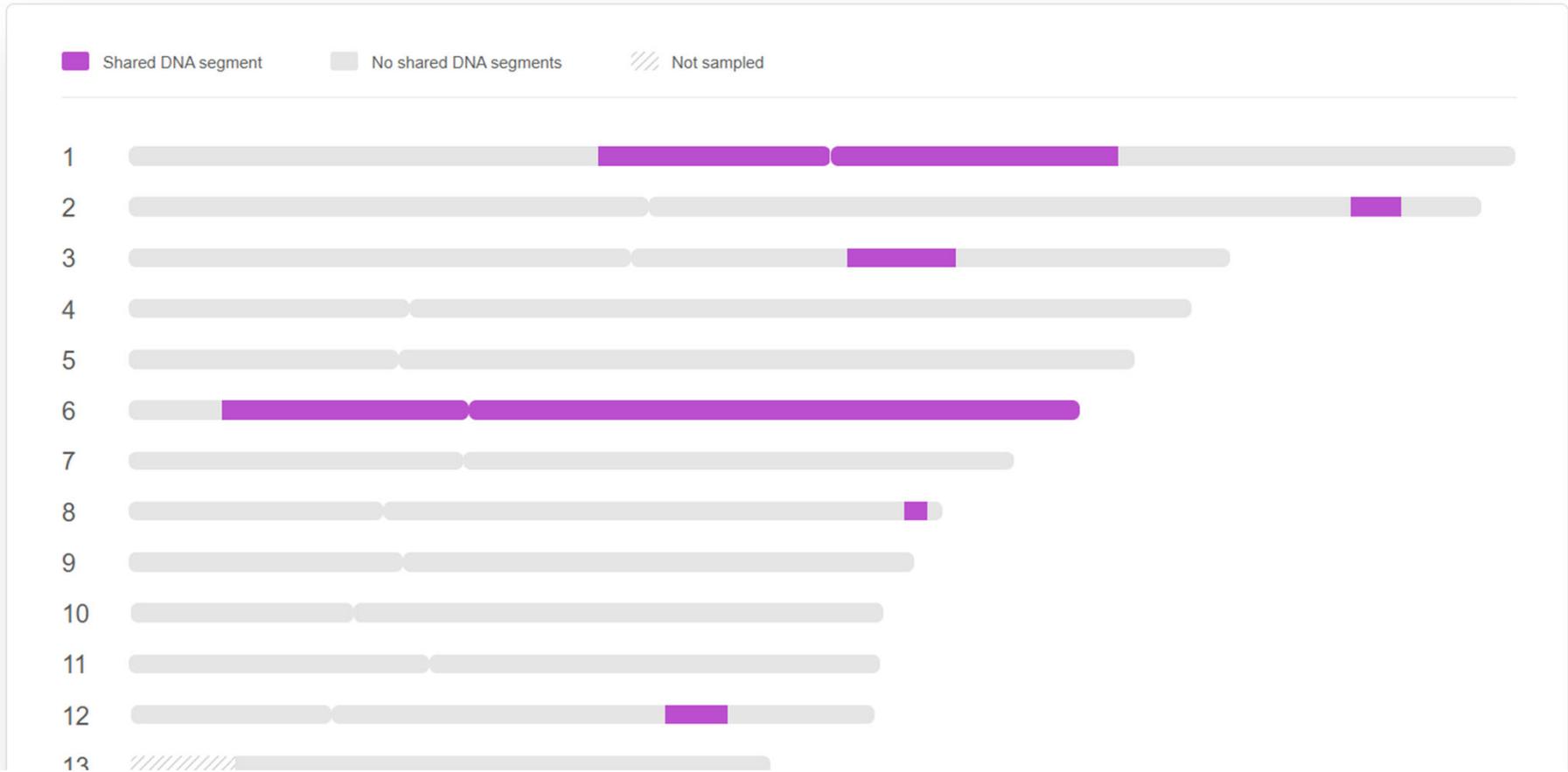
Sort by

| Probable relationship to you | Shared match | Probable relationship to [redacted] |
|------------------------------|--|--|
| Father | <p>49.8% (3,530.1 cM)</p>  <p>4.8% (340.6 cM)</p> <p><input type="checkbox"/> [redacted]</p> <p>☆ ●● 🔗</p> | 2nd cousin  |
| Parent's 2nd cousin | <p>2.0% (142.2 cM)</p>  <p>2.4% (171.3 cM)</p> <p><input type="checkbox"/> [redacted]</p> <p>☆ 🔗 💬</p> | 2nd cousin  |

Review Match – Shared DNA Matches

Chromosome Browser – Shared DNA Segments

Advanced options



Review Match – Chromosome Browser



this is you | Showing 1–10 of 32,224 DNA Matches

- ☆
💬
 **██████████**
Age: 70's
DNA managed by ██████████

Probable relationship
Parent's 1st cousin

DNA Match quality ?
Shared DNA: 4.4% (312.5 cM)
Shared segments: 8
Largest segment: 158.3 cM

Review DNA Match
View tree

Appears in a family tree with 6 people, managed by ██████████ from Canada
- ☆
💬
 **██████████**
Age: 70's
DNA managed by ██████████

Probable relationship
Parent's 1st cousin

DNA Match quality ?
Shared DNA: 4.4% (312.5 cM)
Shared segments: 8
Largest segment: 158.3 cM

Review DNA Match
View tree

Appears in a family tree with 70 people, managed by ██████████ from Canada
- ☆
💬
 **██████████**
Age: 70's
DNA managed by ██████████

Probable relationship
Parent's 1st cousin

DNA Match quality ?
Shared DNA: 4.2% (298.7 cM)
Shared segments: 7
Largest segment: 157.2 cM

Review DNA Match
View tree



Match List

You are not a member [Request membership](#)

cooper Web Site



Melanie McComb



Home

Family tree

Photos

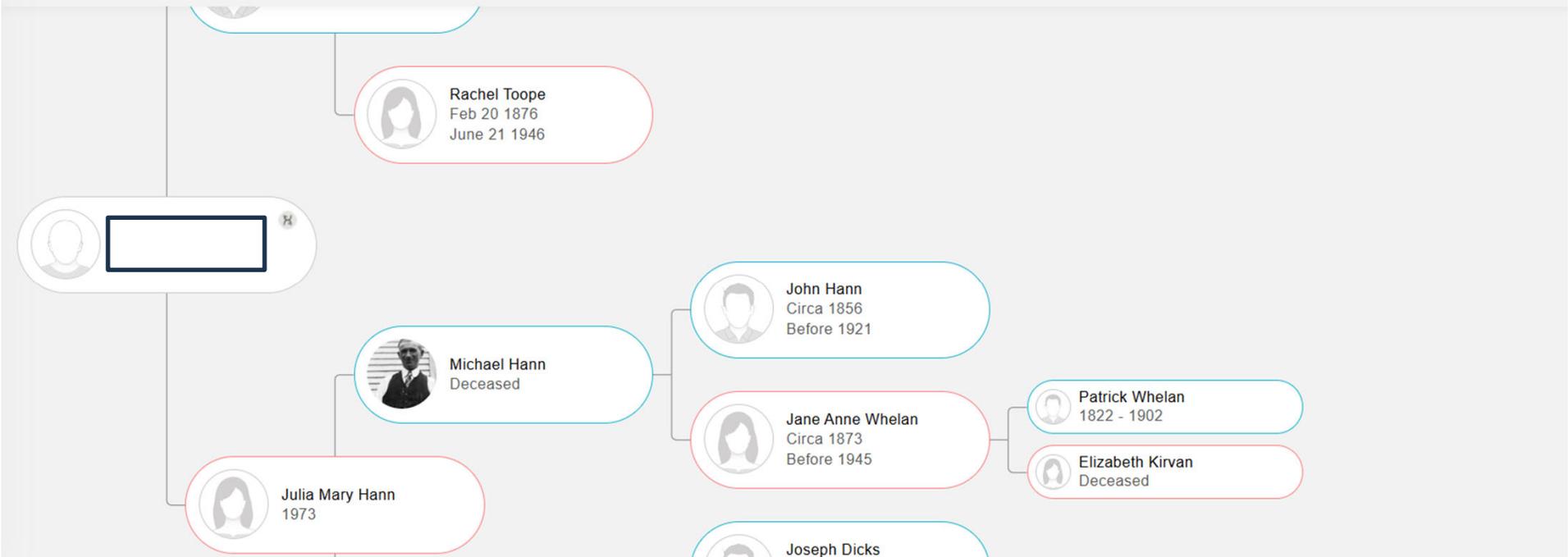
DNA

Research



16 of 70 people

Find a



Tree – Pedigree View

The screenshot shows the MyHeritage website interface. At the top, the navigation bar includes the MyHeritage logo and links for Home, Family tree (highlighted in red), Photos, DNA, and Research. Below the navigation bar, the user's profile is shown as 'Cooper | <Private> Cooper'. A red arrow points to the 'Family view' button, which is also highlighted in red. The main content area displays a family tree for 25 of 70 people. The tree shows two couples at the top level: Edward Joseph Cooper (1876-1955) and Rachel Toope (1876-1946) on the left, and Michael Hann (Deceased) and Susannah Dicks (Deceased) on the right. Below them are their children: Cooper 909, Eli Cooper (1912-1912), John Cooper (1915-1996), Leo Malcolm Cooper (?-1973), and Julia Mary Hann (?-1973). A large white rectangular box obscures the bottom portion of the tree. On the right side of the tree, there are several icons for navigation and search, including a search icon, a refresh icon, a home icon, and a plus/minus icon.

Tree View – Family View



Home

Family tree

Discoveries

Photos

DNA

Research



[Blurred name]

Overview

Ethnicity Estimate

DNA Matches

DNA Tools



Test additional family members

[Get suggestions](#)

Showing 1–10 of 32,224 DNA Matches

Filters

Sort by



Tree details

Relationships

Locations

Labels



this is you | Showing 1–10 of 32,224 DNA Matches



Age: 80's
From: USA

Probable relationship
Parent's 2nd cousin

DNA Match quality
Shared DNA: 1.8% (127.7 cM)
Shared segments: 7
Largest segment: 38.5 cM

Review DNA Match

View tree

Appears in a family tree with 3 people that she manages



[Blurred family tree details]

[View theory](#)



Your family tree has one Smart Match™ with this tree. [View Smart Match](#)

Match List Details



Home

Family tree

Discoveries

Photos

DNA

DNA Matches > Review DNA Match >

Theory of Family Relativity™

Probable relationship based on DNA: **Parent's 2nd cousin.**
MyHeritage found a theory that may explain how  related to you.

Theory:  our **parent's 2nd cousin** on your father's side

Is this theory correct?

Path 1 Path 2 Path 3

This path is based on 2 MyHeritage family trees, with 20% confidence

 Melanie's Family Tree managed by you

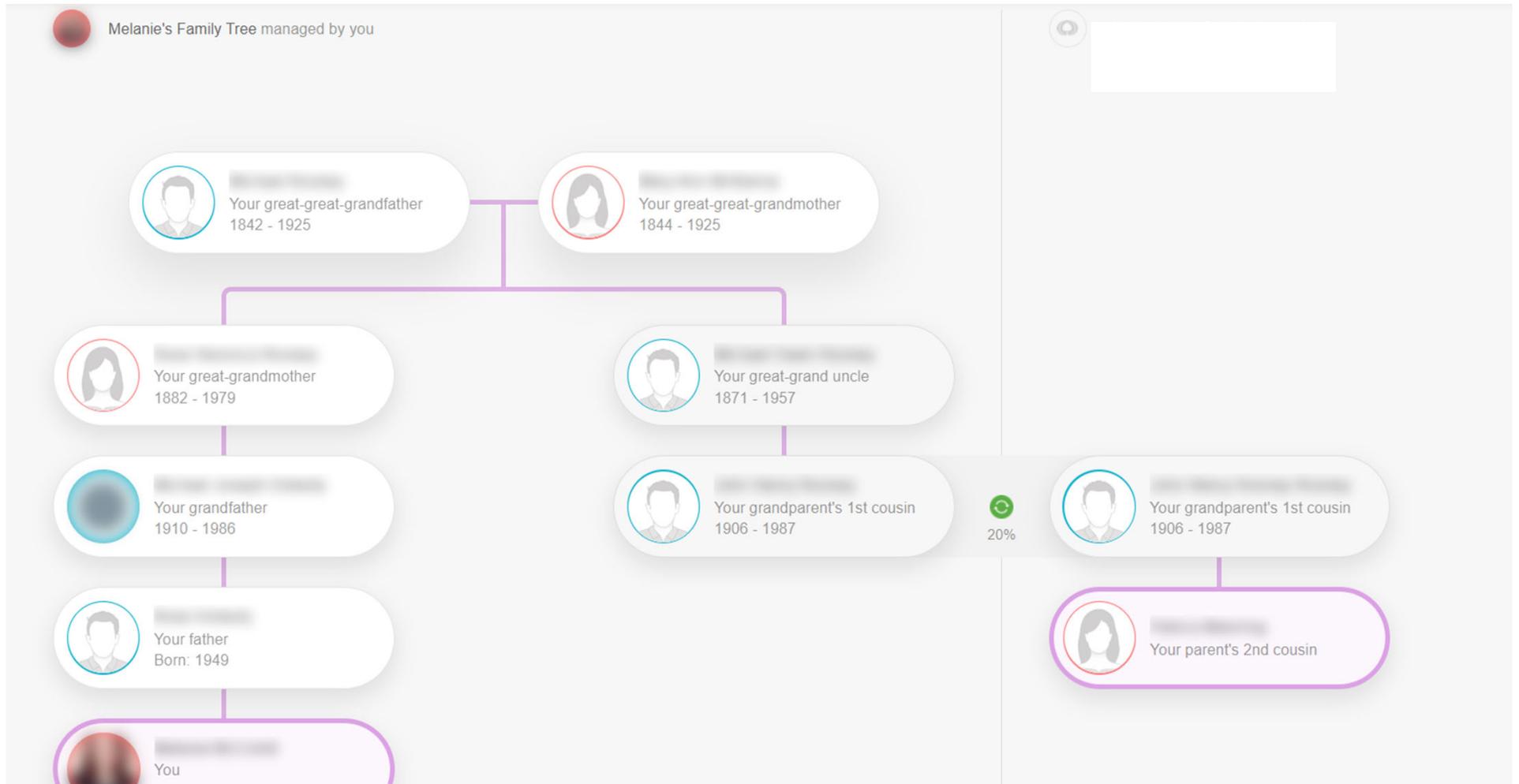



Your great-great-grandfather
1842 - 1925




Your great-great-grandmother
1844 - 1925

Match with Theory of Relativity



Match with Theory of Relativity



Home

Family tree

Discoveries

Photos

DNA

Research



[Name]

Overview

Ethnicity Estimate

DNA Matches

DNA Tools



Test additional family members

[Get suggestions](#)

Showing 1–10 of 32,224 DNA Matches

Filters

Sort by



Tree details

Relationships

Locations

Labels



this is you | Showing 1–10 of 32,224 DNA Matches



Age: 80's
From: USA

Probable relationship
Parent's 2nd cousin

DNA Match quality
Shared DNA: 1.8% (127.7 cM)
Shared segments: 7
Largest segment: 38.5 cM

Review DNA Match

View tree

Appears in a family tree with 3 people that she manages

- [View theory](#)
- [View Smart Match](#)



Match List Details

Matches by source >



from USA

In your tree



John Henry Rooney

Grandfather's cousin

Birth Jan 28 1906 - Atlantic, Massachusetts

Death June 10 1987 - Bridgeport, Fairfield, Connecticut, USA

Parents Michael Owen Rooney and Bridget Delia Rooney (born McGuirk)

Brothers Robert Joseph, Michael Francis, Wilfred Leo and Charles Edward

Wife Rosalie Mabel Rooney (born Miller)

Children Donald M, John H, Mary B, Brian P and Patricia

In matching tree

Sort by: Value ▾



John Henry Rooney Rooney

✔ Confirmed

Birth 1906 - USA?

Death 1987

Wife Rosalie Mabel Miller Rooney (born miller)

Child <Private>

Review match

SmartMatch with DNA Match



cM Explainer™

A tool for suggesting how you might be related to a DNA Match based on the amount of shared DNA and ages.

Explore



Chromosome Browser

A tool for viewing shared DNA segments between you and multiple DNA Matches, which can help point to a common ancestor.

Explore



AutoClusters

An automatic tool that organizes your DNA Matches into clusters that likely descended from common ancestors

Explore

DNA Tools Dashboard



Home

Family tree

Discoveries

Photos

DNA

Research

cM Explainer™ ⓘ

Enter the total amount of shared DNA with a DNA Match to view relationship predictions.
For improved predictions, enter the ages as well.

Test additional family members

[Get suggestions](#)



Shared DNA (cM)

75

Your age

40

Optional

Match's age

65

Optional

Submit

cM Explainer

Most probable relationships: **Parent's 2nd cousin, Parent's 3rd cousin**

Possible relationships

| Relationship | Probability | | <u>Most Recent Common Ancestor(s)</u> |
|----------------------------|-------------|--|---------------------------------------|
| Parent's 2nd cousin | 35.6% | | Great-great-grandparents |
| Parent's 3rd cousin | 33.3% | | 3rd great-grandparents |
| 3rd cousin | 17.4% | | Great-great-grandparents |
| 4th cousin | 4.4% | | 3rd great-grandparents |
| Parent's half 2nd cousin ? | 3.4% | | Great-great-grandparent |
| Half 2nd cousin ? | 2.1% | | Great-grandparent |
| Grandparent's 2nd cousin | 2.1% | | 3rd great-grandparents |
| Half 3rd cousin ? | 1.7% | | Great-great-grandparent |

cM Explainer – Possible Relationships



Home

Family tree

Discoveries

Photos

DNA

Research

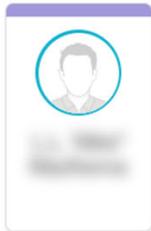
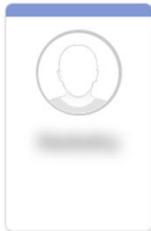
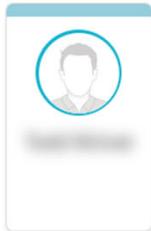
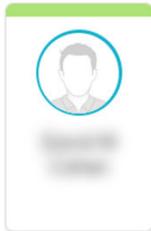
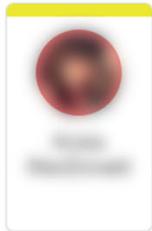
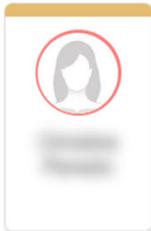
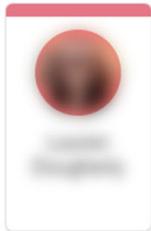
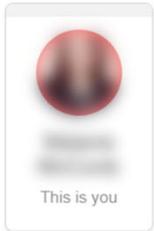
Chromosome Browser — One-to-many ⓘ

Select up to 7 DNA Matches to view shared DNA segments

▼ Compare

To 7 DNA Matches —Remove or replace a DNA Match or compare now

Clear



Compare

Chromosome Browser – One to Many

Chromosome Browser — One-to-many ⓘ

You and all of the selected DNA Matches share no triangulated segments

Add or remove DNA Matches

| Match 1 | Match 2 | Match 3 | Match 4 | Match 5 | Match 6 |
|------------------------------|------------------------------|-------------------------------|-------------------------------|------------------------------|-------------------------------|
| Shared DNA 1.1% (79.8 cM) | Shared DNA 1.2% (84.5 cM) | Shared DNA 1.7% (122.7 cM) | Shared DNA 1.5% (107.2 cM) | Shared DNA 1.3% (94.9 cM) | Shared DNA 1.9% (136.3 cM) |
| Shared segments 3 | Shared segments 3 | Shared segments 7 | Shared segments 7 | Shared segments 4 | Shared segments 8 |
| Largest segment 43.2 cM | Largest segment 61.6 cM | Largest segment 26.4 cM | Largest segment 31.2 cM | Largest segment 48.2 cM | Largest segment 43.4 cM |

Chromosome Browser – One to Many Results



Home

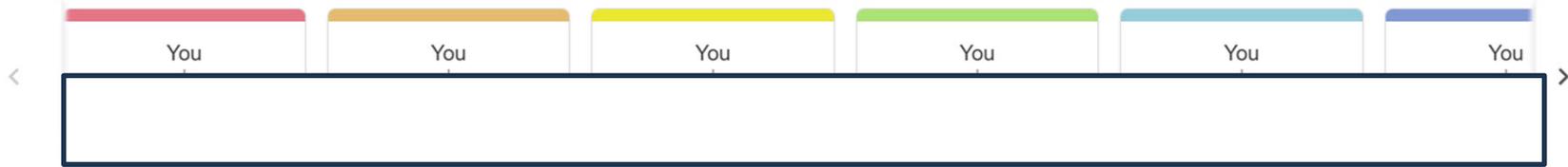
Family tree

Discoveries

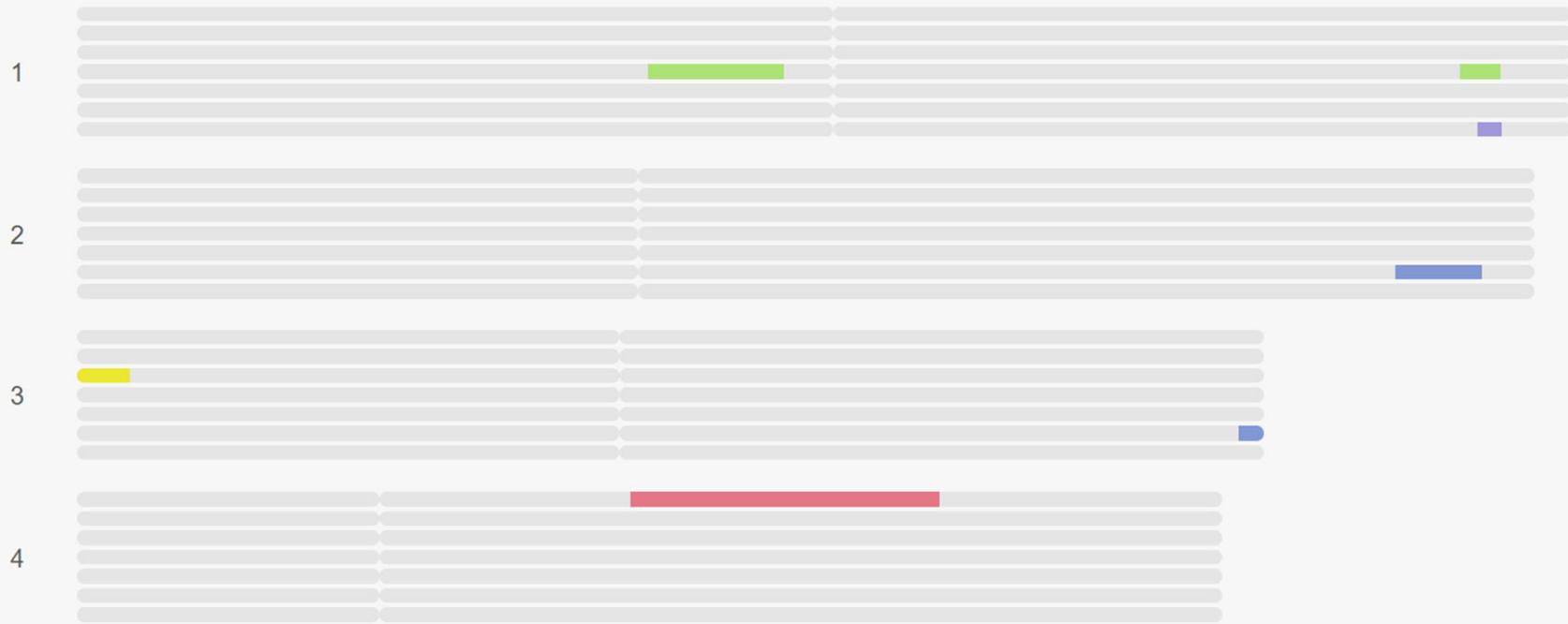
Photos

DNA

Research



Show triangulated segments that are at least: 8 cMs



Chromosome Browser Results with Triangulated Segments

AutoClusters

An automatic tool that organizes your DNA Matches into clusters that likely descended from common ancestors

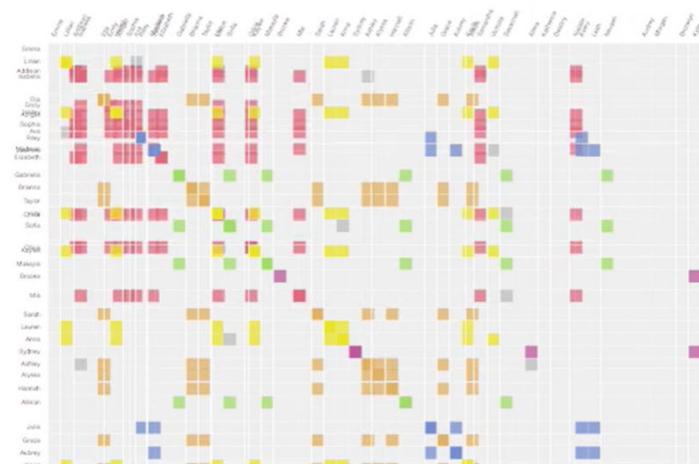
AutoClustering organizes your MyHeritage DNA Matches into shared match clusters that likely descended from common ancestors. Each of the colored cells represents an intersection between two of your matches, meaning that both individuals match you and each other. These cells are grouped together physically and by color to create a powerful visual chart of your shared match clusters. Each color represents one shared match cluster. Members of a cluster match you and most or all of the other cluster members.

Generate clusters for:

Melanie McComb ▾

Generate

Example of AutoClusters



AutoClusters

23andMe

23andMe

- Ancestry Composition (Ethnicity Estimates)
- DNA Match List
- Shared Match List
- Assigned haplogroup
- Can generate family tree with DNA matches.
- Medical reports available for an additional fee
- Note: If you previously tested with 23andMe, you may need to order a new kit to receive the most current reports

Ancestry Composition

View your ancestry timeline, parental inheritance, and ancestry chromosome painting in [Ancestry Overview](#).

Melanie 100%

| European | 99.9% |
|------------------------------------|-------|
| Northwestern European | 51.5% |
| British & Irish | 51.5% |
| County Dublin, Republic of Ireland | |
| Glasgow City, United Kingdom | |
| +18 regions | |
| Ashkenazi Jewish | 36.4% |
| Eastern European | 10.8% |
| Lithuania | |
| Lesser Poland Voivodeship, Poland | |

Summary Scientific Details Frequently Asked Questions

Share Print

Feedback

Ancestry Composition

Melanie, explore your ancestry through your DNA



[Overview](#) [All Reports](#)

All Ancestry Reports

| | | |
|----------------------|------------------------|---|
| Neanderthal Ancestry | 275 Variants | > |
| Maternal Haplogroup | J1c | > |
| Paternal Haplogroup | See Report | > |
| Ancestry Composition | See Report | > |
| British & Irish | 51.5% British & Irish | > |
| Ashkenazi Jewish | 36.4% Ashkenazi Jewish | > |
| Eastern European | 10.8% Eastern European | > |
| Korean | 0.1% Korean | > |

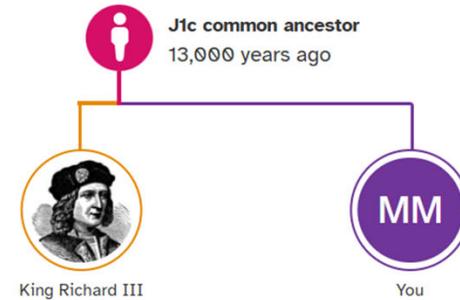
Ancestry Reports

Help us improve this report. Answer a few quick questions 

You and King Richard III are descendants of a European woman who lived around 13,000 years ago.

The much-maligned English Monarch, King Richard III, died in the Battle of Bosworth Field in 1485 – likely the result of a severe blow to the back of his head. Richard's body was buried in a friary church in Leicester, but the structure was demolished less than 100 years later thanks to the dissolution of the Catholic Church in England, and many thought his skeleton lost to time.

In 2012, a team of researchers decided to launch a hunt for the monarch's remains. On the first day of excavations, archaeologists uncovered a human skeleton with signs of scoliosis and severe head wounds, which matched descriptions of the English King. To confirm his identity, scientists tested the skeleton's mitochondrial DNA and found an exact match with a documented maternal-line descendant of Richard's sister, Anne of York. In early 2013, the University of Leicester announced that the skeleton undoubtedly belonged to Richard.

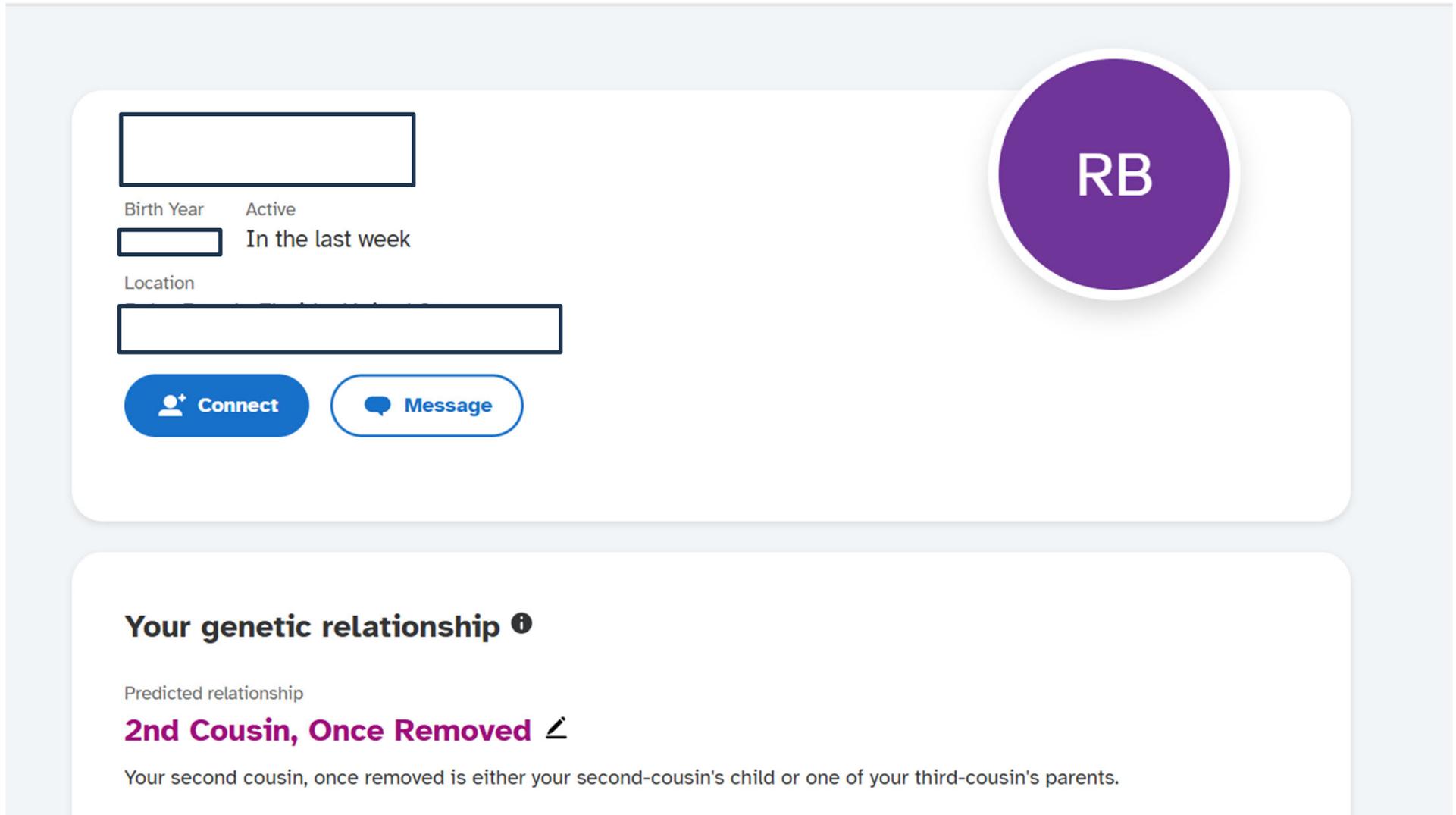


[See references](#) 

Ancestry Reports Sample

| Search keywords | | |
|--|---|--|
| <input type="text" value="Name, location, notes"/> | ★ | <p>Uncle 22.51% DNA shared, 46 segments Invitation sent</p> |
| <p>Reset</p> | ★ | |
| <p>Notifications ⓘ</p> | | <p>Aunt 22.38% DNA shared, 42 segments Connected</p> |
| <p>Profile features and activity ⓘ</p> | ★ | <p>Great-Grandfather 1.15% DNA shared, 4 segments Connected</p> |
| <p>Mother's side/Father's side ⓘ</p> | ☆ | |
| <p>Ancestor birthplaces ⓘ</p> | ☆ | <p>Great-Aunt 11.80% DNA shared, 33 segments Invitation sent</p> |
| <p>Connections ⓘ</p> | ☆ | <p>1st Cousin, Once Removed 4.49% DNA shared, 16 segments Invitation sent</p> |
| <p>Family names ⓘ</p> | ☆ | <p>1st Cousin, Twice Removed 3.40% DNA shared, 13 segments Invitation sent</p> |
| | ☆ | |
| | ☆ | <p>1st Cousin, Twice Removed 2.35% DNA shared, 11 segments Invitation sent</p> |

Match List



The screenshot shows a user profile for 'RB' with a purple circular profile picture. The profile includes a name field, a birth year field, an 'Active' status indicator, a last active time of 'In the last week', and a location field. Below these are 'Connect' and 'Message' buttons. A section titled 'Your genetic relationship' shows a predicted relationship of '2nd Cousin, Once Removed' with an edit icon. A descriptive text explains that this relationship is either a second-cousin's child or a third-cousin's parent.

Birth Year Active
In the last week
Location

[Connect](#) [Message](#)

Your genetic relationship ?

Predicted relationship
2nd Cousin, Once Removed ✎

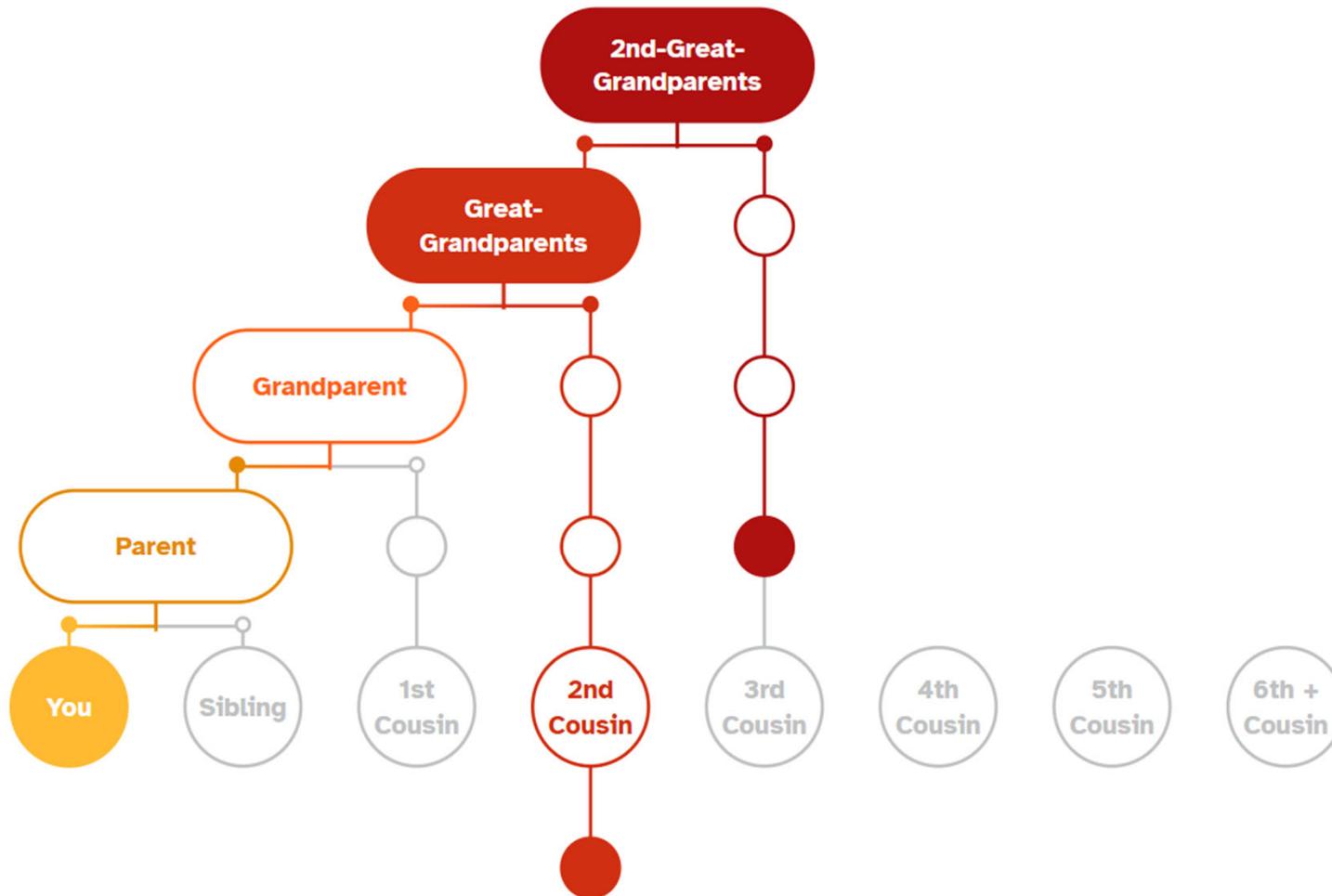
Your second cousin, once removed is either your second-cousin's child or one of your third-cousin's parents.

Match Profile

Predicted relationship

2nd Cousin, Once Removed

Your second cousin, once removed is either your second-cousin's child or one of your third-cousin's parents.



Match Profile – Predicted Relationship

Shared DNA
2.16%

[Hide DNA details ^](#)

Ready to add to your tree?



Confirm your relationship to add

[Manually add to family tree](#)

Family Background

| | | |
|-----------------------------------|---------------|----------------------|
| | You | <input type="text"/> |
| Maternal grandmother's birthplace | United States | |
| Maternal grandfather's birthplace | United States | |
| Paternal grandmother's birthplace | United States | |
| Paternal grandfather's birthplace | Canada | |

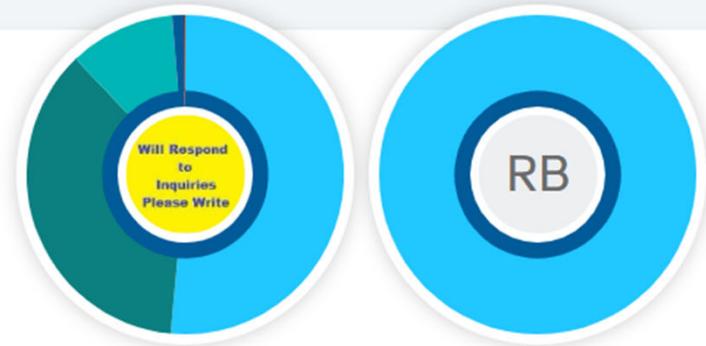
Match Profile – Shared DNA and Family Background

Compare your Ancestry

Compare your genetic ancestries to discover your shared origins and unique family histories.

Ancestry Composition

Compare your DNA connections to populations around the world.



You
[See full report](#)



99.9% ● European

100% ▼

0.1% ● East Asian & Indigenous American

0.0% ▼

Match Profile – Ancestry Composition

You
[See full report](#)

| 99.9% | European | 100% | ^ |
|-------------|---|-------------|----------|
| 51.5% | ● Northwestern European | 100% | |
| 51.5% | ● British & Irish | 100% | |
| 36.4% | ● Ashkenazi Jewish | 0.0% | |
| 10.8% | ● Eastern European | 0.0% | |
| 1.2% | ● Broadly European | 0.0% | |
| 0.1% | ● East Asian & Indigenous American | 0.0% | ∨ |

Match Profile – Ancestry Composition (Detailed)

Maternal Haplogroup

maternal haplogroup is a more specific branch of your haplogroup.

You

J1c

[See full report](#)

Robert

J1c2b

Your haplogroups may be consistent because you share ancient roots, but it is also possible you are recently related through a direct line of female ancestors.

Paternal Haplogroup

Paternal haplogroups identify ancient lines of men that all trace back to the same common ancestor.

You

Not available

Robert

R-A923

Although women inherit roughly 50% of their DNA from their fathers, they do not inherit Y chromosomes and, as a result, do not have paternal haplogroups.

Neanderthal Ancestry

You have more Neanderthal variants than

47% of 23andMe customers.

[See full report](#)



has more Neanderthal variants than

75% of 23andMe customers.

Match Profile – Haplogroups and Neanderthal Ancestry

You have Relatives in Common

Each Relative in Common shares at least one small segment of DNA with Robert.

| Relative in common | You | Robert |
|--------------------|--|---------------------------------------|
| MD | Uncle (22.51) | 2nd Cousin, Once Removed (2.80) |
| RC | Aunt (22.38) | 2nd Cousin, Once Removed (2.66) |
| JM | 1st Cousin, Once Removed (4.49) | 3rd Cousin, Once Removed (0.48) |
| EK | 1st Cousin, Twice Removed (3.40) | 3rd Cousin, Once Removed (0.44) |
| CS | 1st Cousin, Twice Removed (2.35) | 3rd Cousin (0.77) |
| MM | 2nd Cousin (3.99) | 3rd Cousin (0.66) |
| KM | 1st Cousin, 3x Removed (1.30) | 3rd Cousin, Once Removed (0.30) |

Match Profile – Relatives in Common

Living DNA

Living DNA

- Autosomal Test
 - Ethnicity Estimate
 - DNA Match List
 - Shared Matches List
 - Custom Groups (Matchbox)
 - Chromosome Browser (upgrade fee required)
- Fatherline - Y-DNA test (Males Only)
 - Match List
- Motherline - Mitochondrial Test (Everyone)
 - Tests the direct maternal line only
 - Match List

The screenshot displays the Ancestry DNA interface. On the left is a dark blue navigation sidebar with icons and text for various features: Living DNA Ancestry, Dashboard, Recent Ancestry (highlighted), Motherline, Fatherline, Family Matching, Viking, Neanderthal, Classical (with a 'New feature' tag), Store, Wellbeing, Health (with an 'Explore' tag), and Help. The top navigation bar includes 'Overview', 'Map', 'Versions', 'Book', and a 'New' button. The main content area features a banner image of a drum band, followed by the heading 'Your recent ancestry results'. Below this is a table showing the percentage of ancestry for different regions in Europe. To the right of the table is a map of Europe with regions highlighted in blue and green, corresponding to the data in the table.

| Region | Percentage |
|---------------------------|------------|
| Europe | 100% |
| Great Britain and Ireland | 100% |
| Northwest England | 14.8% |
| South England | 13.7% |
| Central England | 13.2% |
| Ireland | 11.2% |
| Southeast England | 9.3% |
| South Central England | 8.7% |

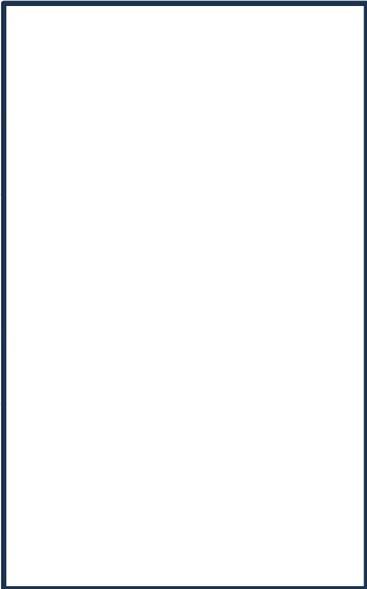
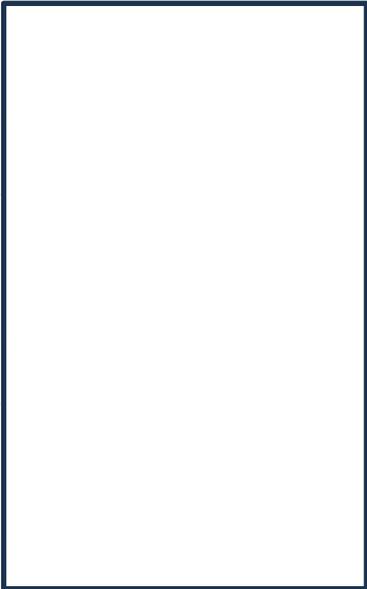
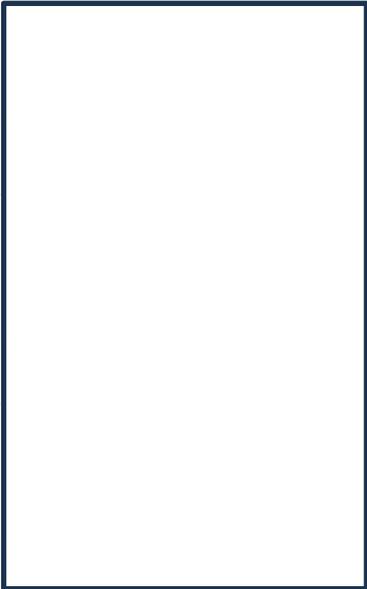
Recent Ancestry (Ethnicity Estimates)

| | | | | |
|---|---|---|---|---|
|  |  | 2nd - 3rd cousin 1.92% DNA shared (139.10cM) 4 shared segments | 17 shared matches Edit matchbox  |  |
|  |  | 2nd - 3rd cousin 1.51% DNA shared (109.49cM) 9 shared segments | 28 shared matches Add to matchbox |  |
|  |  | 2nd - 3rd cousin 1.29% DNA shared (93.67cM) 10 shared segments | 14 shared matches Add to matchbox |  |

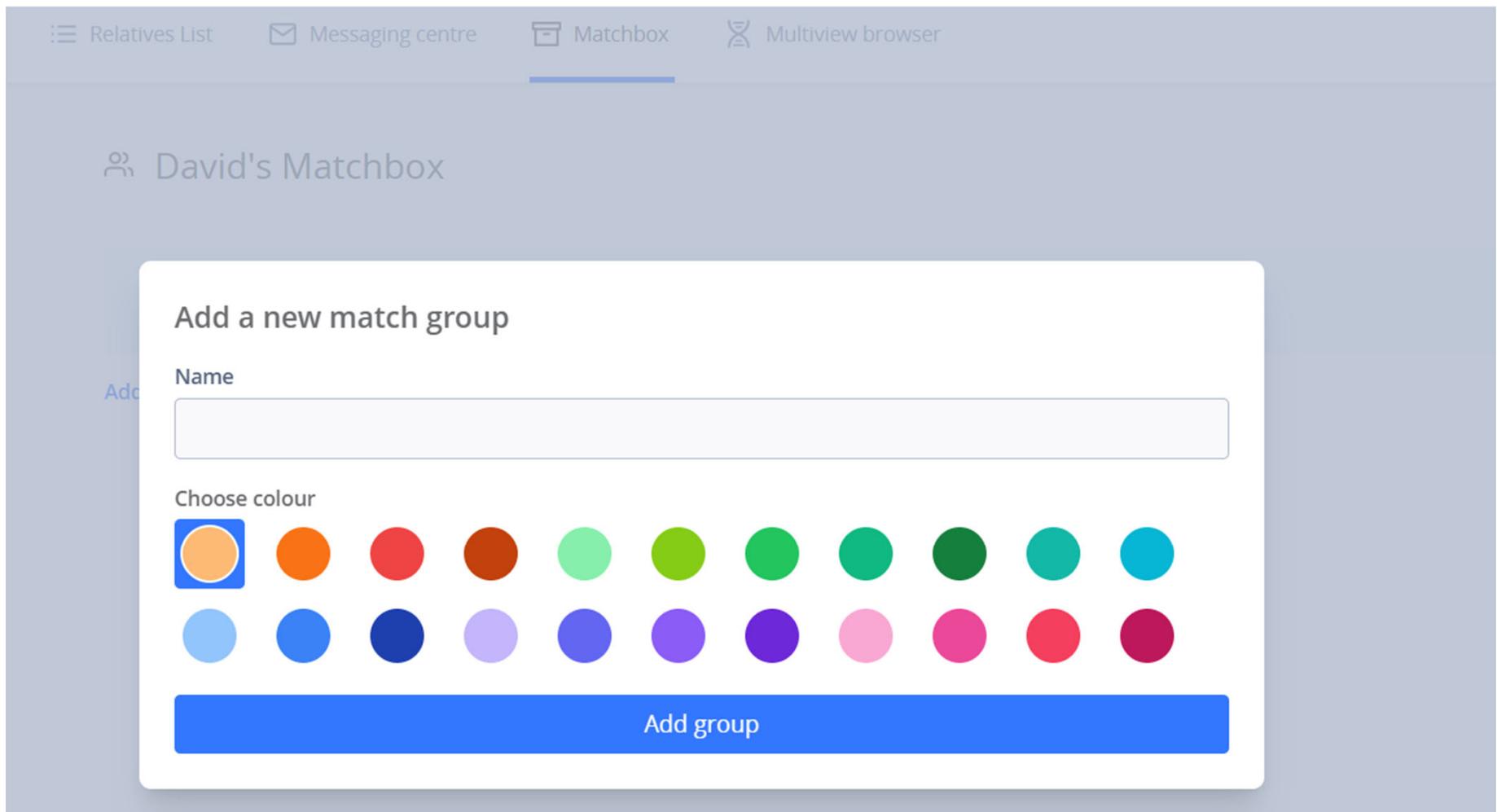
Family Matching (Match List)

The screenshot shows a user profile for a DNA match. On the left is a circular profile picture placeholder with a small American flag icon. To the right of the picture, the text reads: "2nd - 3rd cousin", "1.92% DNA shared (139.10 cM)", "17 shared matches", and a blue link "Click here to view >". Below this is the section "Matchbox groups" with a blue "Edit" button. A horizontal menu below the profile has five tabs: "Conversation" (selected), "Relationship", "Notes", "Shared map", and "Shared DNA". The "Conversation" tab is active, displaying a light gray message box that says "You have not yet exchanged messages with this user. Say hello!".

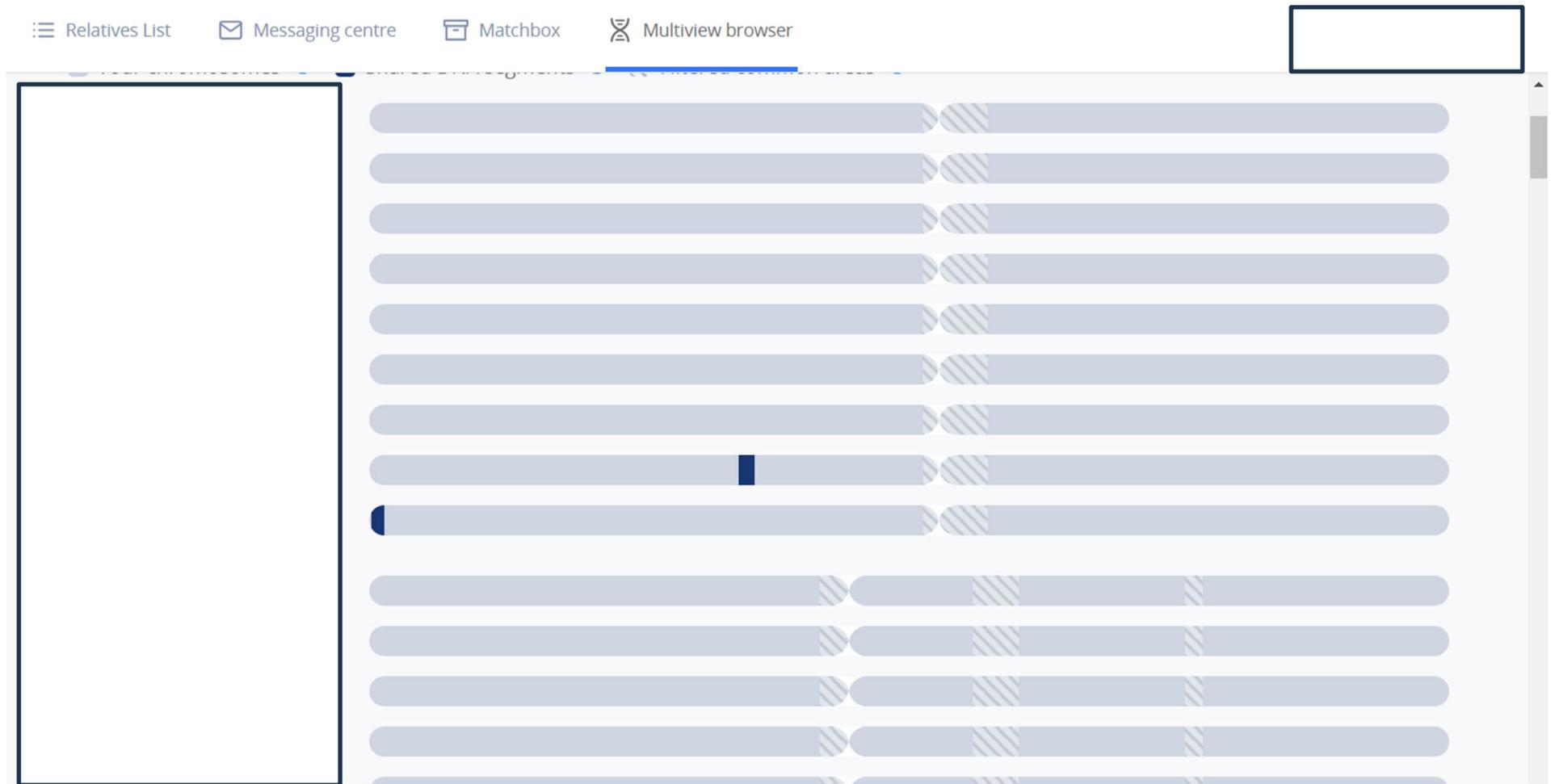
Family Matching – Match Profile

| | | | | |
|---|---|--|--|---|
|  |  | 4th cousin or greater 0.17% DNA shared (12.12cM) 1 shared segment | 7 shared matches Edit matchbox  |  |
|  |  | 4th cousin or greater 0.18% DNA shared (12.79cM) 1 shared segment | 9 shared matches Edit matchbox  |  |
|  |  | 4th cousin or greater 0.18% DNA shared (12.95cM) 1 shared segment | 4 shared matches Edit matchbox  |  |

Family Matching – Shared Matches



Matchbox (Adding New Match Groups)



Multiview Browser

Living DNA Ancestry

Overview History Distribution Map Migration Map

Dashboard
Recent Ancestry
Motherline
Fatherline
Family Matching
Viking
Neanderthal
Classical **New feature**
Store
Wellbeing



Your fatherline

The Y chromosome is one of a pair of your sex chromosomes. It is passed from father to sons, relatively unchanged which allows us to explore your paternal lineage.

As females do not carry a Y chromosome they cannot test their paternal ancestry themselves but could have a relative take a test to understand this part of their heritage.

Your haplogroup is **I2**

Your haplotype is **I-L1287**

History of your haplogroup

Discover the history of your haplogroup (and your haplotype if you have one)

[Haplotype history](#)



Distribution map

See where people who share your haplogroup are living today



Fatherline

Living DNA Ancestry

Overview History Distribution Map Migration Map

Fatherline Distribution Map

You're viewing your distribution map which shows you where people who share your haplogroup live today.

Your distribution map shows you where in the world today people with your paternal haplogroup are living. The percentage represents the number of people in that region who share your haplotype.

| | |
|--------------------------|---------|
| ● Bosnia and Herzegovina | 55% > |
| ● Sardinia | 39.5% > |
| ● Croatia | 38% > |
| ● Serbia | 33% > |
| ● Montenegro | 31% > |
| ● Romania | 28% > |

Dashboard
Recent Ancestry
Motherline
Fatherline
Family Matching
Viking
Neanderthal
Classical New feature
Store
Wellbeing

Fatherline Distribution Map

Living DNA Ancestry

Overview History Distribution Map Migration Map

Dashboard
Recent Ancestry
Motherline
Fatherline
Family Matching
Viking
Neanderthal
Classical **New feature**
Store
Wellbeing

Your motherline

Mitochondrial or MT DNA is found in the mitochondria cells. It contains 16,500 DNA bases, meaning it is much smaller than the autosomal genome (3 billion) or the Y chromosome (50,000). You will see this if you choose to download your raw data.

Your Mitochondrial DNA is passed directly to you by your mother, and to her by her mother and so on without undergoing any changes (recombination). This means your MT DNA information is identical to your mother,

Your haplogroup is **H**

Your haplotype is **H**

History of your haplogroup
Discover the history of your haplogroup (and your haplotype if you have one)
[Haplotype history](#)

Distribution map
See where people who share your haplogroup are living today

Motherline

Living DNA Ancestry

- Dashboard
- Recent Ancestry
- Motherline**
- Fatherline
- Family Matching
- Viking
- Neanderthal
- Classical New feature
- Store
- Wellbeing

Overview History **Distribution Map** Migration Map

Motherline Distribution Map

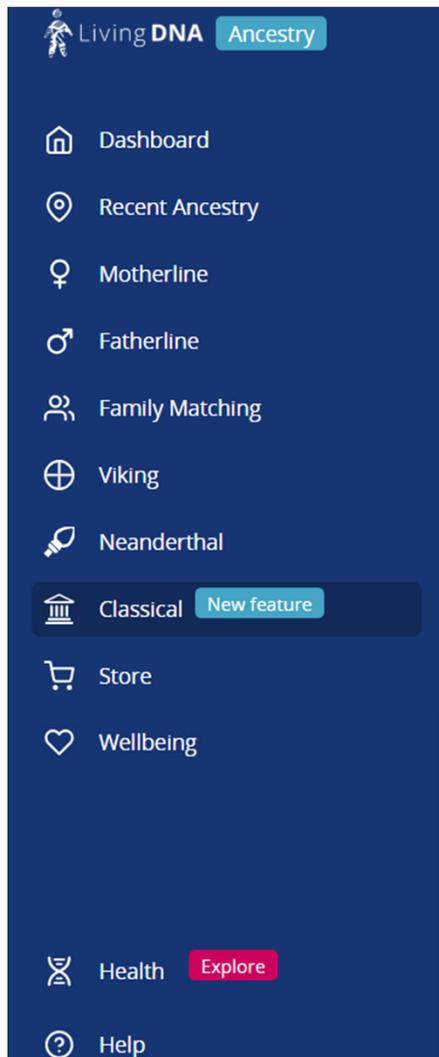
You're viewing your distribution map which shows you where people who share your haplogroup live today.

Your distribution map shows you where in the world today people with your maternal haplogroup are living. The percentage represents the number of people in that region who share your haplotype.

- Tuareg (Fezzan) 61% >
- Wales 60% >
- Galicia 58% >
- Spain 54% >
- Romania 39% >
- Belarus 39% >
- Ukraine 39% >



Motherline Distribution Map



LivingDNA Ancestry

- Dashboard
- Recent Ancestry
- Motherline
- Fatherline
- Family Matching
- Viking
- Neanderthal
- Classical** New feature
- Store
- Wellbeing
- Health Explore
- Help

Classical ancestry

Discover your genetic similarity to ancient groups

With our Classical DNA analysis we estimate the amount of DNA you share with the ancient Romans, Greeks, and Egyptians. Learn about the ancient samples to which you are most similar.

 **Index score.** The genetic similarity between your DNA and the DNA obtained from classical samples, showing your similarity to each of the three Classical groups.

 **Percentiles.** We compare your values to those of all other Living DNA users. This yields your percentile score for each of the population groups, which allows you to see where your result falls in comparison to the whole range of the Living DNA user base.

 **Closest group.** We have identified 13 distinct Classical



Romans of Italy

[Zoom](#)

Time range of samples: 79 - 631 CE

The geographic location and age of the Roman remains that make up this population group corresponds to Italia (Roman Italy) itself. This period of time represents the Roman Empire in its entirety, from its beginning (31 BCE - 476 CE) through its height, until its fracture into part of the Western Roman Empire, and its eventual invasion by the Ostrogoths in 476 CE.

Under Roman rule - beginning with Julius Caesar in 49 BCE - the Italian peninsula experienced great achievements in literature, architecture, and the arts that was particularly focussed in Rome and its surrounding areas. Rome, the Eternal City, is the largest municipality on the European continent today, mostly owed to its history as the capital of the Roman Empire.

One of the most impressive monuments surviving from the Roman Empire, the Colosseum is the largest of all the Roman amphitheaters. Construction of the Colosseum began under Emperor Vespasian in around 70 CE. Built upon the private lake estate of his predecessor, Nero, the Colosseum was built to accommodate around 70 thousand people and stood 48 metres tall. The opening ceremony in 80 CE included 100 days of games that, naturally, included gladiatorial contests. Construction was not completed until two years later.

Classical DNA – Additional Fee

Consultations

Book a one-on-one
consultation with
a genealogist and
receive help with your
family history research!

[AmericanAncestors.org/
Expert-Help/Consultations](https://AmericanAncestors.org/Expert-Help/Consultations)



QUESTIONS?

Hire Research Services

research@americanancestors.org

Chat with a Genealogist

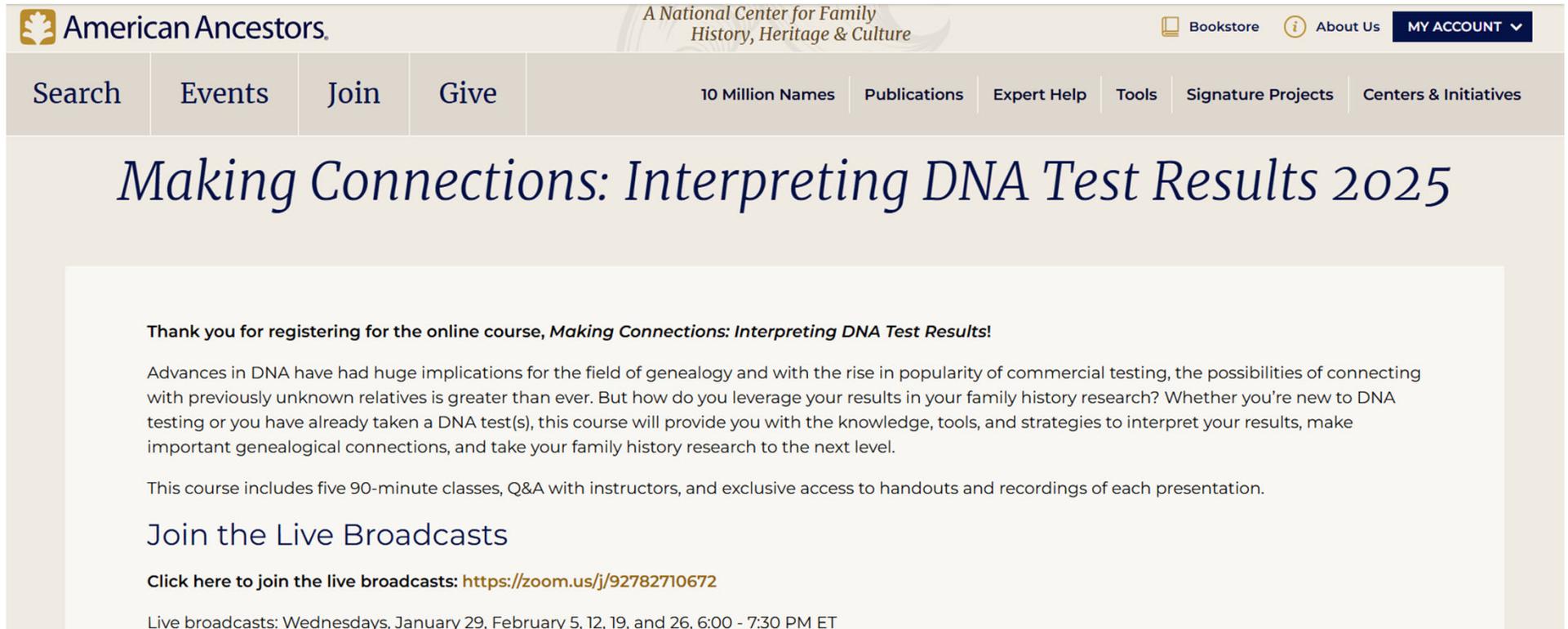
AmericanAncestors.org/chat

Consultations

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[AmericanAncestors.org/
Expert-Help/Consultations](https://AmericanAncestors.org/Expert-Help/Consultations)





The image shows the top portion of the American Ancestors website. At the top left is the American Ancestors logo, which includes a stylized tree icon and the text "American Ancestors". To the right of the logo is the text "A National Center for Family History, Heritage & Culture". Further right are links for "Bookstore", "About Us", and a "MY ACCOUNT" button with a dropdown arrow. Below the logo and text is a navigation bar with buttons for "Search", "Events", "Join", and "Give". To the right of these buttons are links for "10 Million Names", "Publications", "Expert Help", "Tools", "Signature Projects", and "Centers & Initiatives". The main content area features a large heading "Making Connections: Interpreting DNA Test Results 2025". Below the heading is a text block that says "Thank you for registering for the online course, *Making Connections: Interpreting DNA Test Results!*". This is followed by a paragraph explaining the course's focus on leveraging DNA test results for family history research. Below that is another paragraph stating the course includes five 90-minute classes, Q&A sessions, and access to handouts and recordings. A section titled "Join the Live Broadcasts" includes a link to join the live broadcasts: <https://zoom.us/j/92782710672>. At the bottom of this section, it lists the live broadcast schedule: "Live broadcasts: Wednesdays, January 29, February 5, 12, 19, and 26, 6:00 - 7:30 PM ET".

American Ancestors. A National Center for Family History, Heritage & Culture

Bookstore About Us MY ACCOUNT

Search Events Join Give 10 Million Names Publications Expert Help Tools Signature Projects Centers & Initiatives

Making Connections: Interpreting DNA Test Results 2025

Thank you for registering for the online course, *Making Connections: Interpreting DNA Test Results!*

Advances in DNA have had huge implications for the field of genealogy and with the rise in popularity of commercial testing, the possibilities of connecting with previously unknown relatives is greater than ever. But how do you leverage your results in your family history research? Whether you're new to DNA testing or you have already taken a DNA test(s), this course will provide you with the knowledge, tools, and strategies to interpret your results, make important genealogical connections, and take your family history research to the next level.

This course includes five 90-minute classes, Q&A with instructors, and exclusive access to handouts and recordings of each presentation.

Join the Live Broadcasts

Click here to join the live broadcasts: <https://zoom.us/j/92782710672>

Live broadcasts: Wednesdays, January 29, February 5, 12, 19, and 26, 6:00 - 7:30 PM ET

AmericanAncestors.org/making-connections-interpreting-dna-test-results-2025



THANK YOU!

AmericanAncestors.org



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