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### Custom Groups

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

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### Adding Custom Groups to DNA Matches

Match	Relationship	Action
2nd - 3rd Cousin 250,000 cM shared DNA Paternal side	3rd Great-Grandfather	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <b>Add to Custom Group</b>
2nd - 3rd Cousin 250,000 cM shared DNA Maternal side	3rd Great-Grandmother	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <b>Add to Custom Group</b>
2nd - 3rd Cousin 250,000 cM shared DNA Paternal side	3rd Great-Grandfather	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <b>Add to Custom Group</b>

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### Linking DNA Matches

- Attach someone's DNA results with someone in your tree
- Helps with maternal/paternal sorting of DNA matches

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Need a parent to test OR you can upload a GEDCOM file with your tree and assign relatives to start sorting by mother or father's side

[www.familytreedna.com](http://www.familytreedna.com)

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<https://tree.familytreedna.com/family-tree/pedigree-view>

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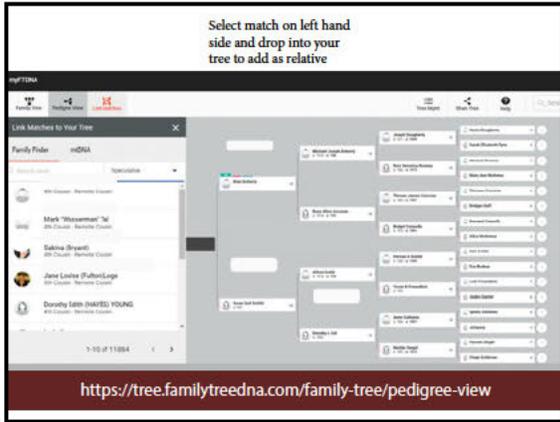
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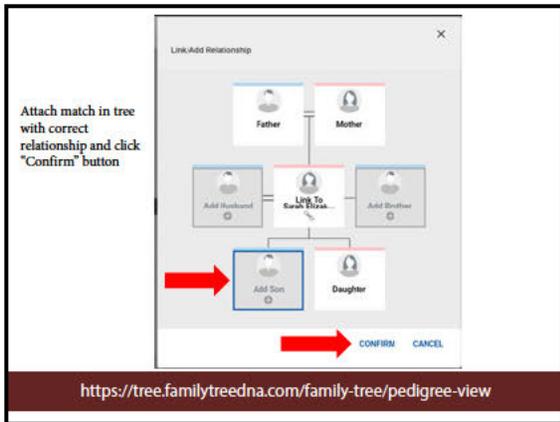
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**AutoClusters**

- Groups together DNA matches that likely descend from the same common ancestors
- Each color is a different group
- File is sent to your email

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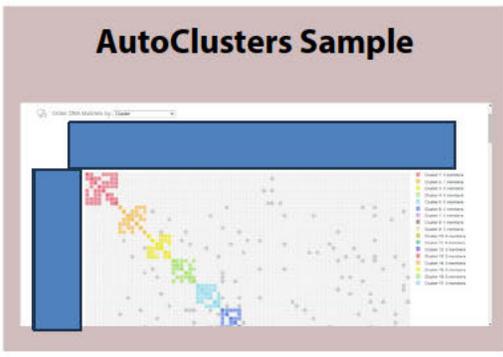
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**AutoClusters Sample**



The screenshot shows a grid of DNA matches. The top row is a solid blue bar. Below it, a diagonal line of colored dots (red, orange, yellow, green, blue) represents different clusters. A legend on the right side of the grid lists clusters 1 through 10 with corresponding colored squares.

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**Third Party Tools**

- GEDMatch
- DNA Painter
- Banyan DNA
- Genealogical Data Analysis Tool (GDAT)
- DNA GEDCOM
- AnceSTR

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**GEDMatch**

- Allows uploads from various DNA testing companies (ex. Ancestry, FamilyTree DNA, 23andMe, MyHeritage, etc.)
- Multiple free tools are available to compare results with users:
  - One to Many
  - One to One
- Tier 1 Tools
  - Triangulation
  - Phasing

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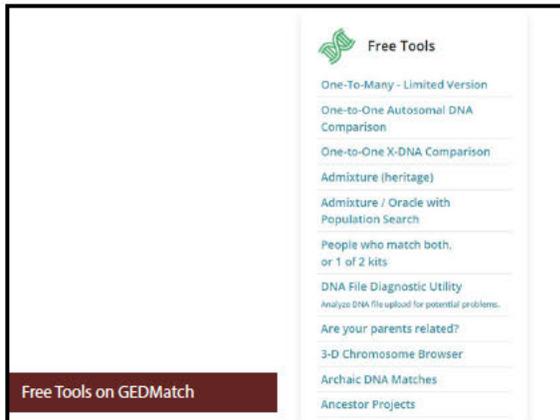
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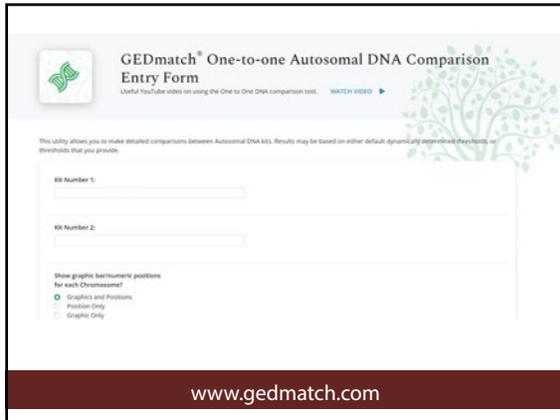
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Primary Individual

Sex:  Suffix:

First Name:  Last Name:

Birth Date:  Birth Place:

Death Date:  Death Place:

[www.gedmatch.com](http://www.gedmatch.com)

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Primary Individual

Sex:  Suffix:

First Name:  Last Name:

Birth Date:  Birth Place:

Death Date:  Death Place:

[www.gedmatch.com](http://www.gedmatch.com)

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GEDCOM Search Results

#	Uploaded	Email	GEDCOM ID: indiv ID	Details
1	2020-07-04 1:10:20:04			William Drougherty, b. 1820, Ireland, d. 3 Dec 1876, Tyrone Valley, Prince County, Edward Island, Canada; FATHER: ??, MOTHER: ??
2	2021-03-21 19:30:41			William Drougherty, b. 1820, Ireland, d. 1 Dec 1875, Tyrone Valley, Prince Edward Island, Canada; FATHER: ??, MOTHER: ??

[www.gedmatch.com](http://www.gedmatch.com)

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**Upgrade Your Membership**  
Join Tier 1 and gain access to more advanced tools to help you go deeper in your genealogical research!

Here are the top tools Tier 1 members find most useful:

- Matching Segment Search:** This tool sorts through your 2000 or so tested DNA matches on the site and finds those 100 closest based on where they match on each chromosome. You then can usually see which DNA matches match you on which chromosomes. Save HOURS of one over designs manually!
- Multiple Kit Analysis:** If you want to easily compare multiple kits you have uploaded or you matches in the One-to-Many tool, then Multiple Kit Analysis is for you! You can select up to 100+ kits for visual comparison using the cross-kit visual analysis tool.
- Triangulation:** Triangulation compares your top 500 One-to-many matches with each other and generates a report containing details of all those who match you and each other on the same segments. Triangulations are groups of three or more kits. The graphics display on screen, and below the main report is a separate table of match details by kit number. This report is useful for identifying matches who may descend from the same ancestor. You get access to 10 other advanced tools that will save you time and help you uncover more information about your matches!

[Learn More >](#)

**Tier 1 Tools**

- One-To-Many - Full Version
- One-To-Many - Classic Version
- Matching One-To-One
- Segment Search
- Phasing
- Triangulation
- Multiple Kit Analysis (MKA)
- LADDER
- My Evil Twin
- Combine multiple kits into 1 superkit
- Clusters With AutoFree, Closest to Single Kit Version **NEW**
- Find common ancestors (MRCA) from DNA matches **NEW**
- Find surname matches from DNA matches **NEW**

www.gedmatch.com

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**GEDMatch Tier 1 Discount for American Ancestors Members**

AmericanAncestors.com

Save 10% on a GEDMatch Tier 1 Membership

Make your GEDMatch membership address to the many benefits your membership gives you save 10% when you purchase a GEDMatch Tier 1 Membership.

Use the offer code **AAC2023** at checkout!

[Join GEDMatch Today](#)

Why join GEDmatch?

GEDmatch is a DNA comparison and analysis website for people who have tested their autosomal DNA using a direct-to-consumer genetic testing company such as 23andMe or AncestryDNA. Other websites...

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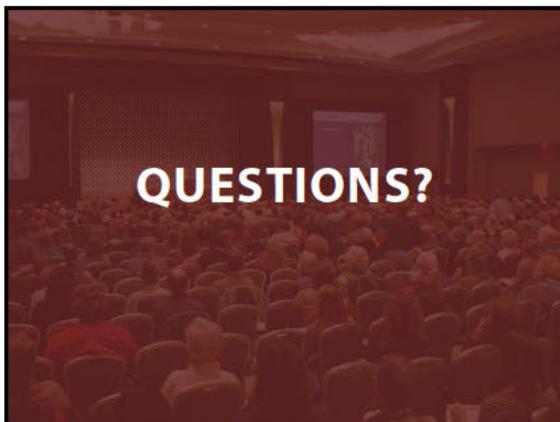
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**DNA Painter**

- Paint the segments of chromosomes you share with DNA matches
- Allows uploads of DNA from GEDMatch, MyHeritage and FamilyTree DNA
- What Are The Odds (WATO) Tool
- And more tools are being regularly added!

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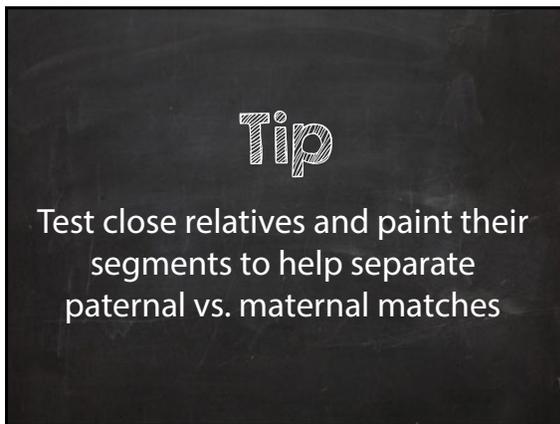
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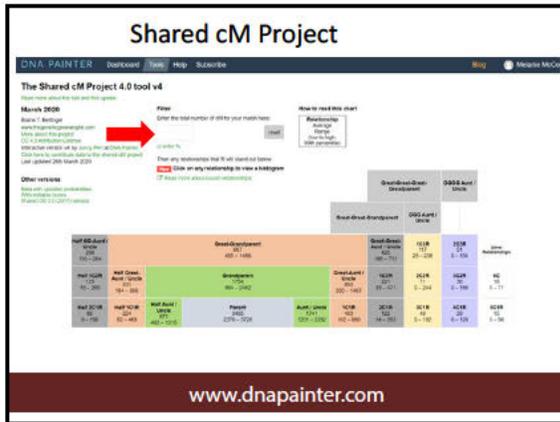
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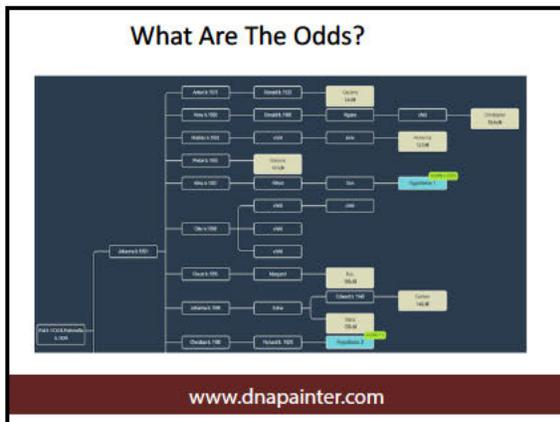
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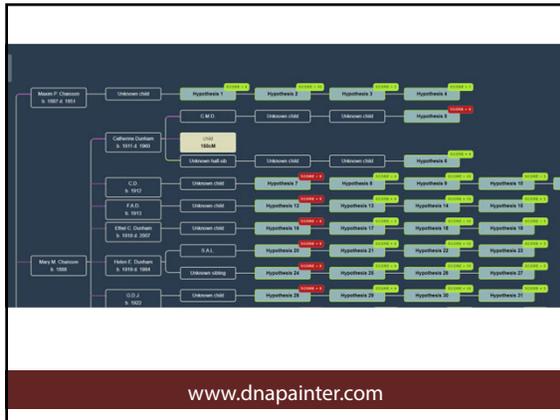
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### Background

- Analyze complex relationships including double cousins and pedigree collapse
- Run calculations within a few seconds to obtain statistical data on hypotheses.
- Free product
  - Create up to 50 people in a project
  - 1 saved project
  - 1 saved calculation
- Premium product (\$75/yr)
  - Create up to 500 people per project
  - 50 saved projects
  - 10 saved calculations per project
  - Advanced tree tools

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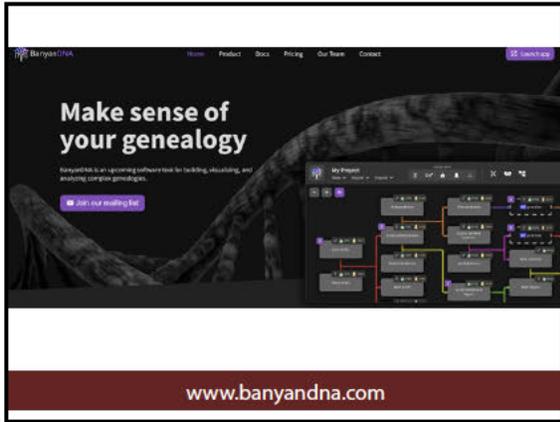
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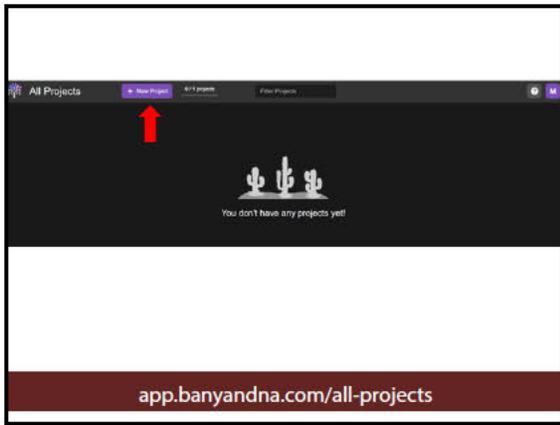
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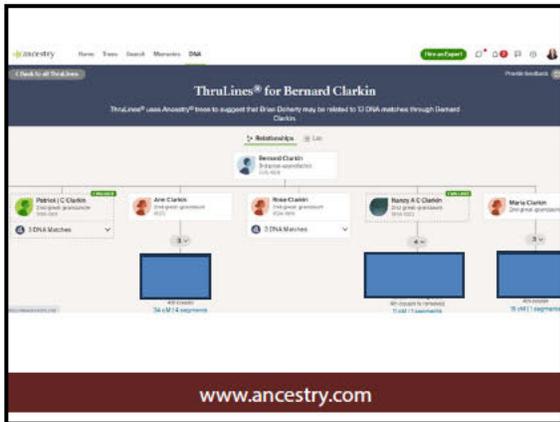
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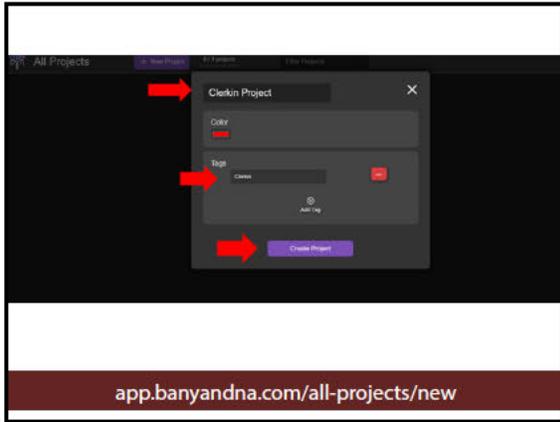
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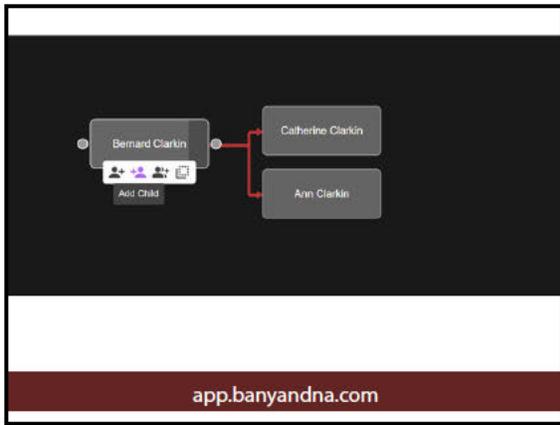
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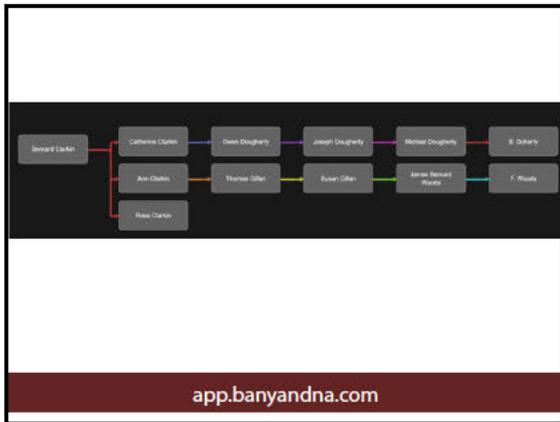
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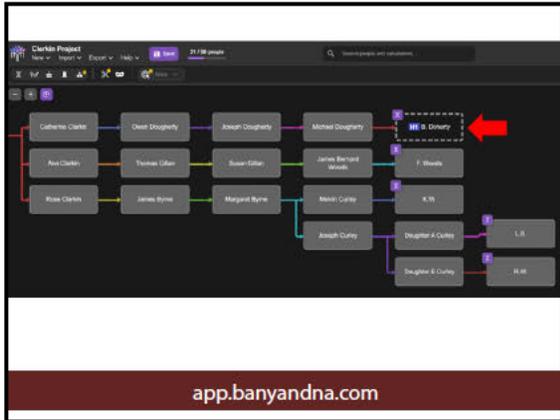
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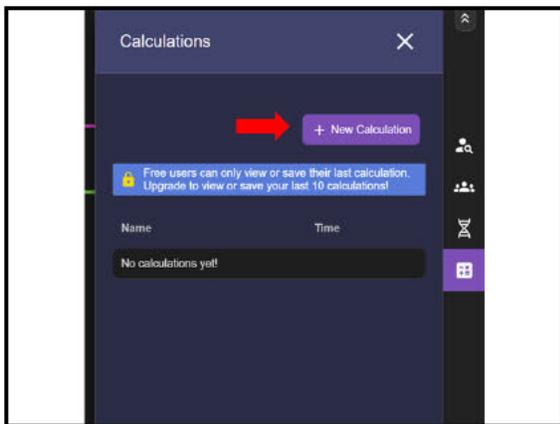
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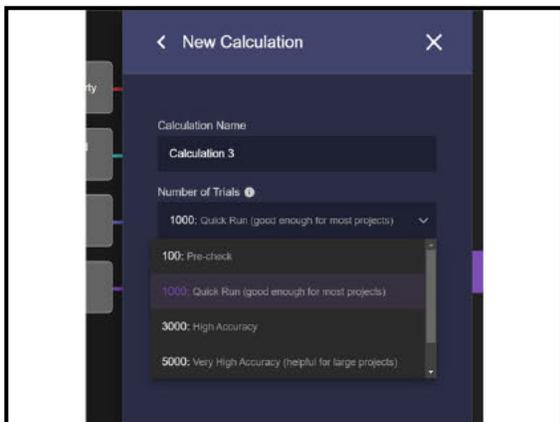
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Person A	Person B	Closest Relationship	Shared cM	Avg. cM	Common cM Range	Num. SDs	Quality
F. Woods	Hypothesis 1 (H1)	4C	34	8	0 - 34	1.0	🟢
K.W.	Hypothesis 1 (H1)	4C	5	8	0 - 33	0.1	🟢
L.S.	Hypothesis 1 (H1)	4C1R	31	3	0 - 19	1.4	🟡
R.W.	Hypothesis 1 (H1)	4C1R	51	3	0 - 19	2.1	🟡

app.banyandna.com

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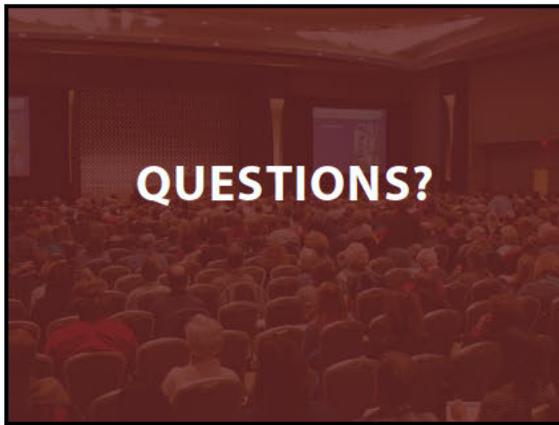
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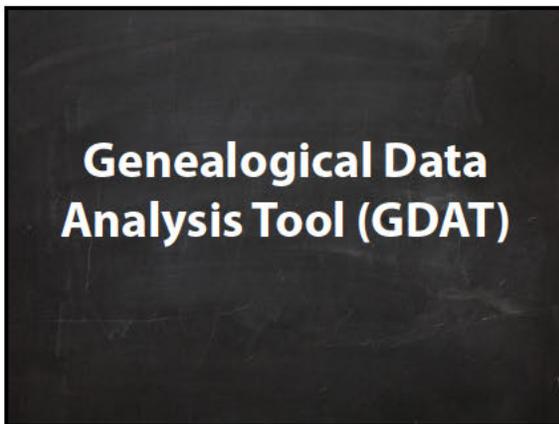
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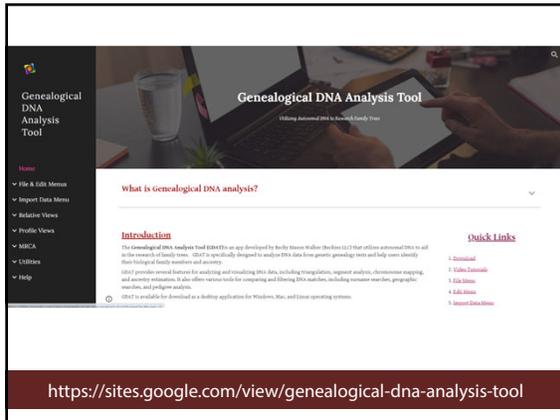
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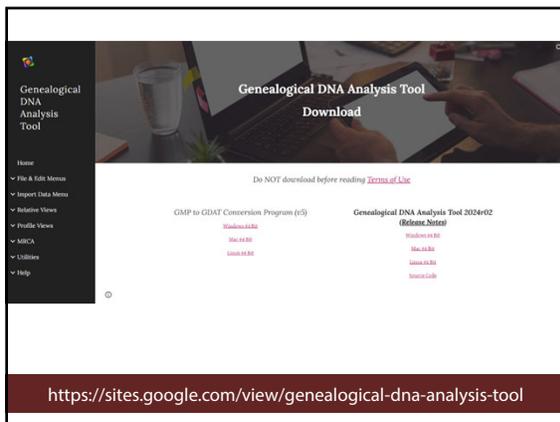
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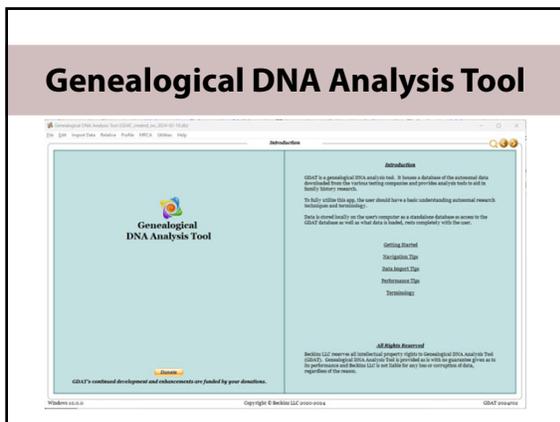
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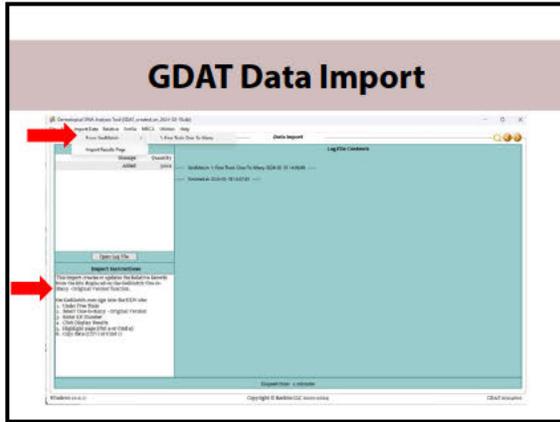
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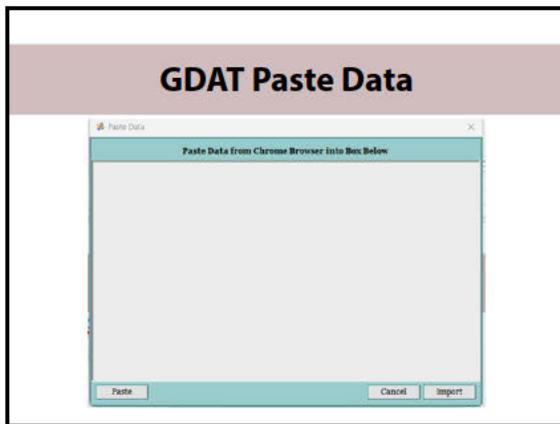
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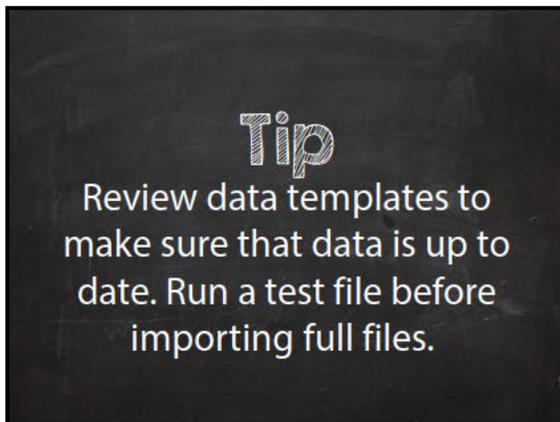
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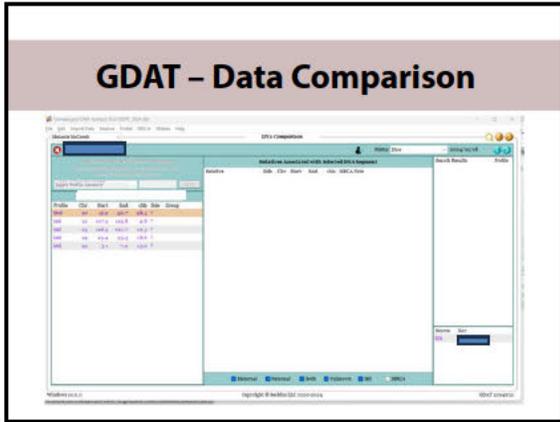
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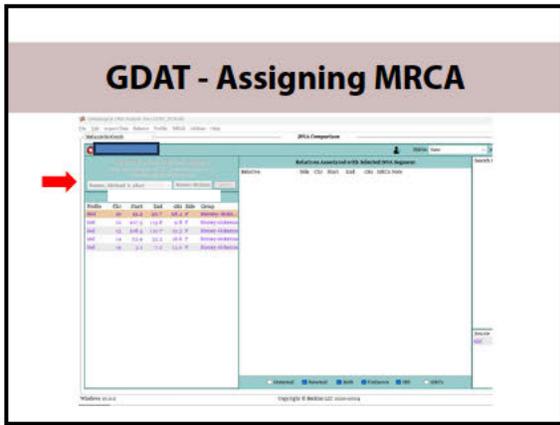
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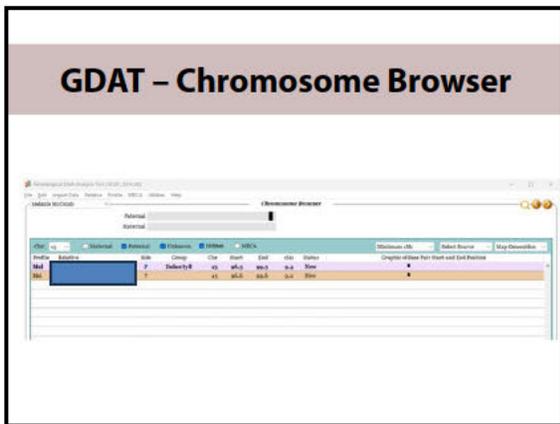
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### Background

- A software client that runs on your computer
- PC and Mac versions available
- Subscription required to use program
  - Cheapest option is \$5/month or \$50/yr for Silver Subscriber

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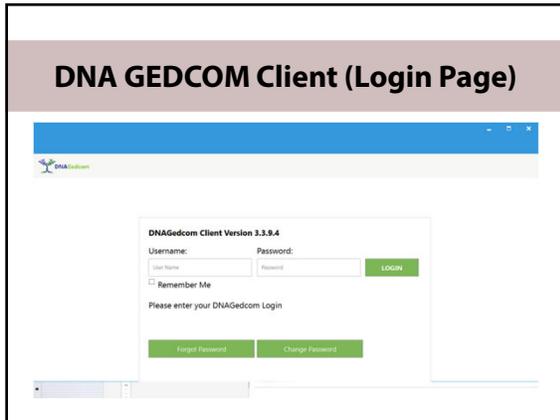
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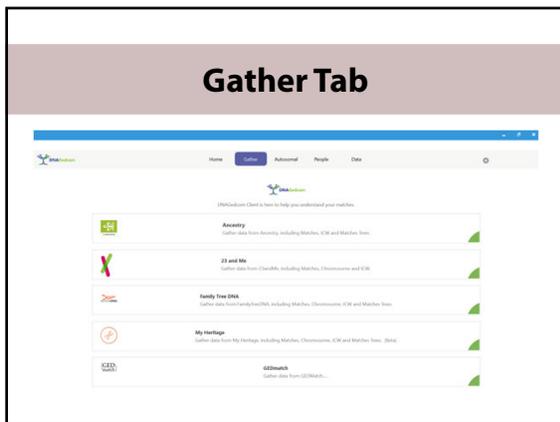
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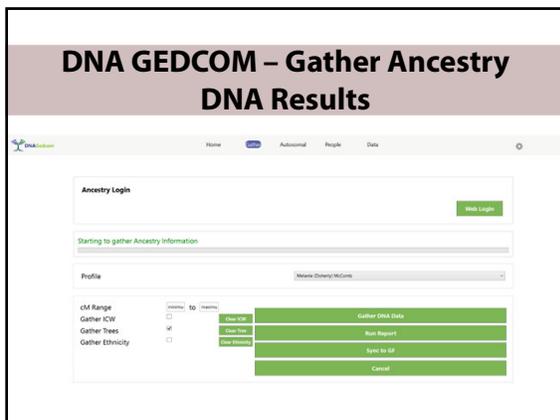
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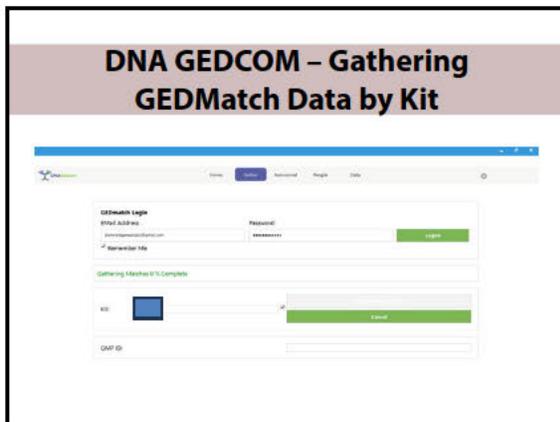
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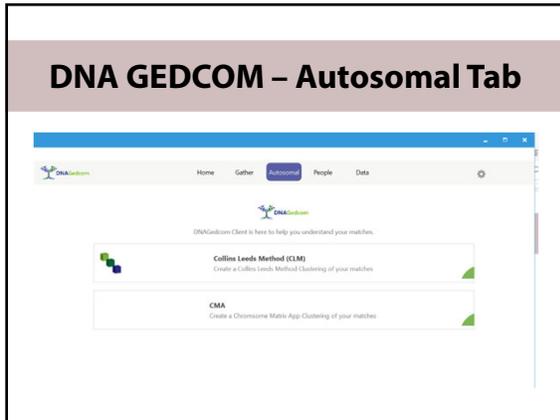
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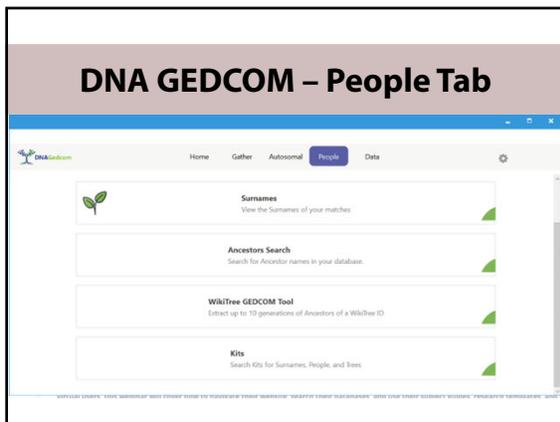
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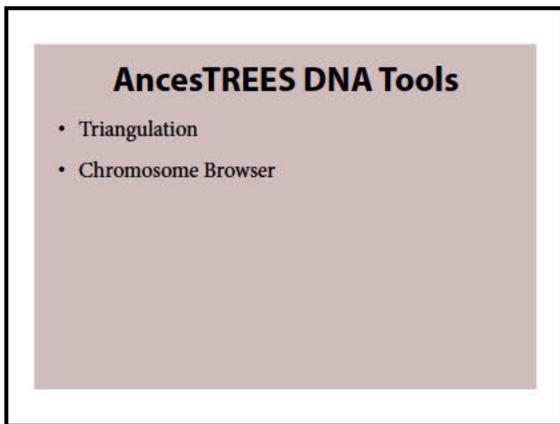
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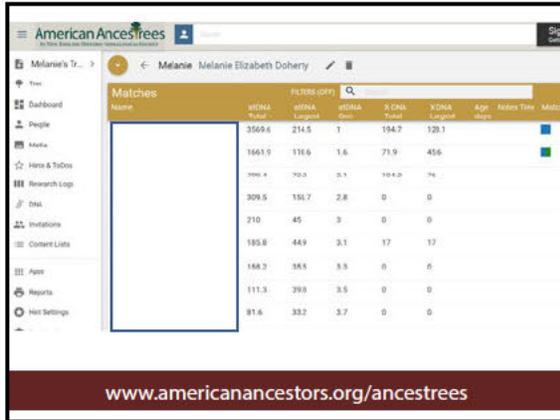
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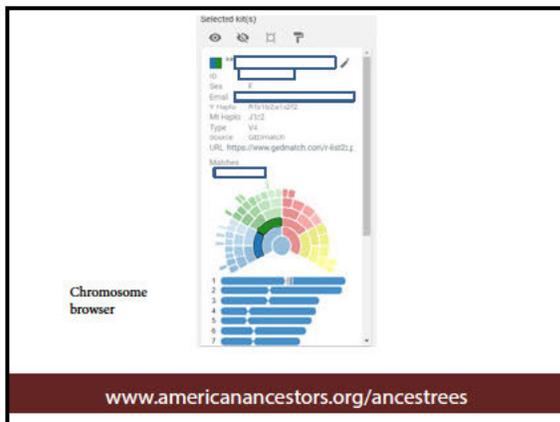
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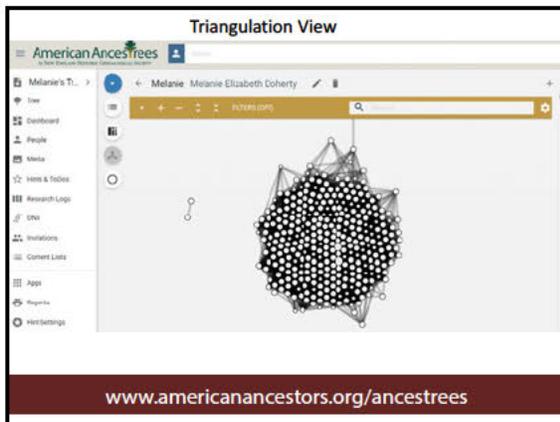
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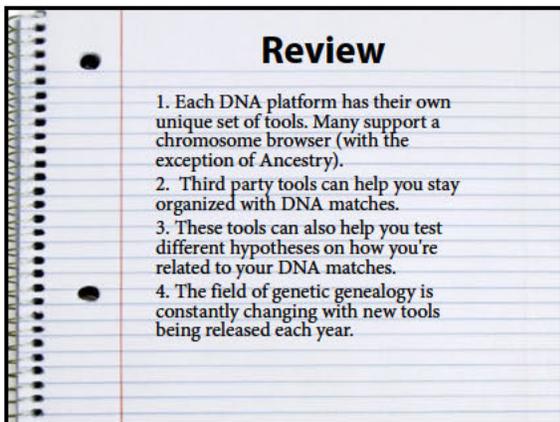
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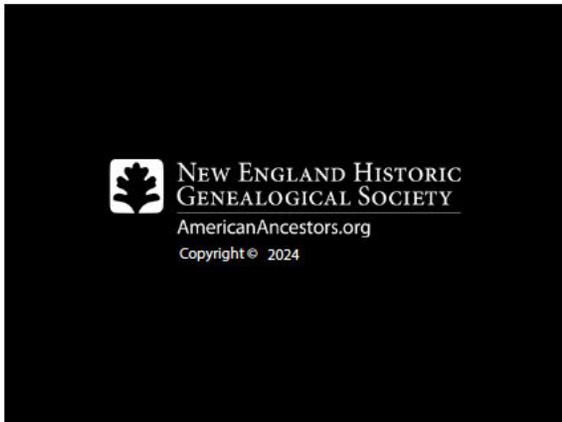
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