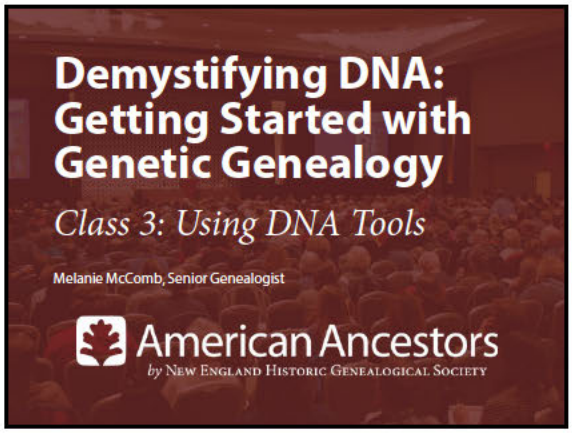


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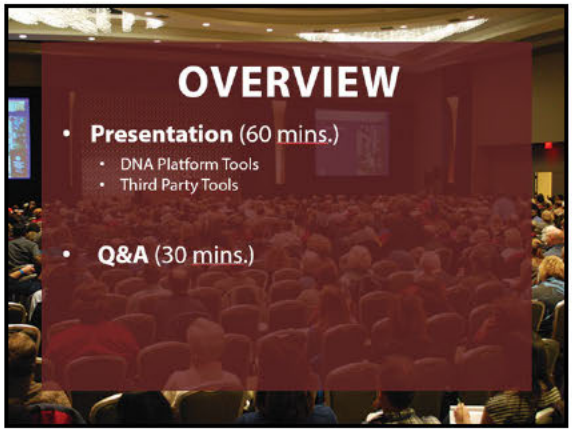


3



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## Ancestry

4

## 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)

5

## Adding Custom Groups to DNA Matches

6



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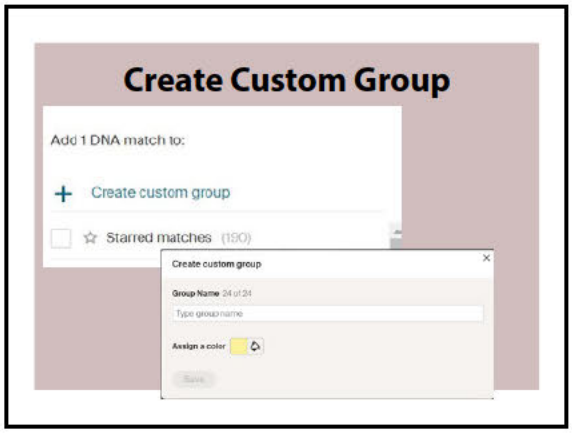


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## Linking DNA Matches

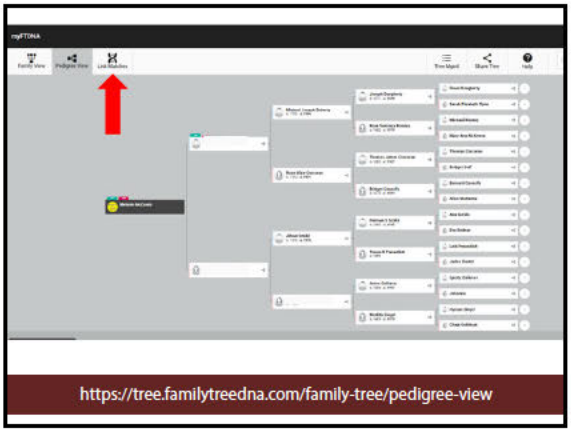
- Attach someone's DNA results with someone in your tree
- Helps with maternal/paternal sorting of DNA matches

10

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

11



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

12



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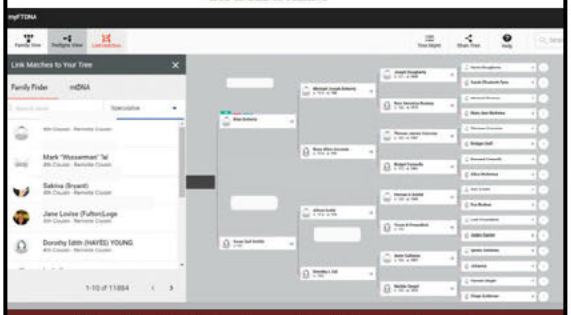
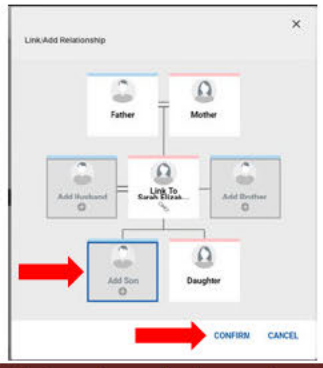
Select match on left hand side and drop into your tree to add as relative




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

13

Attach match in tree with correct relationship and click "Confirm" button




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

14

MyHeritage

15



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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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## AutoClusters Sample

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## Third Party Tools

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

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## GEDMatch

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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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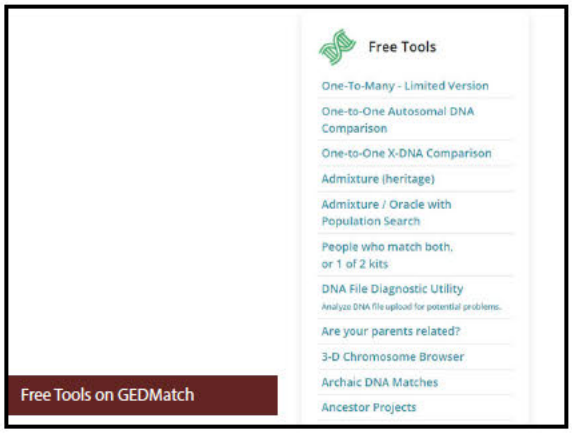


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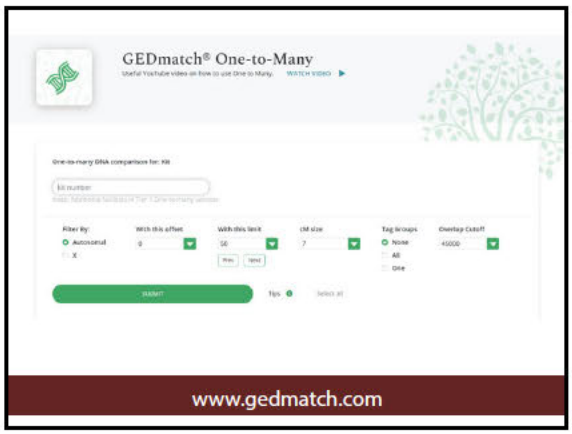


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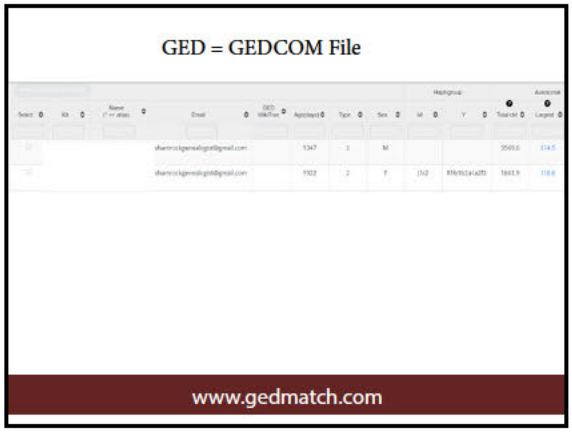


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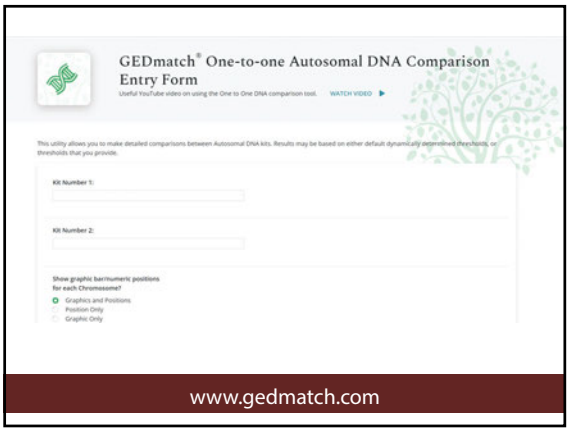


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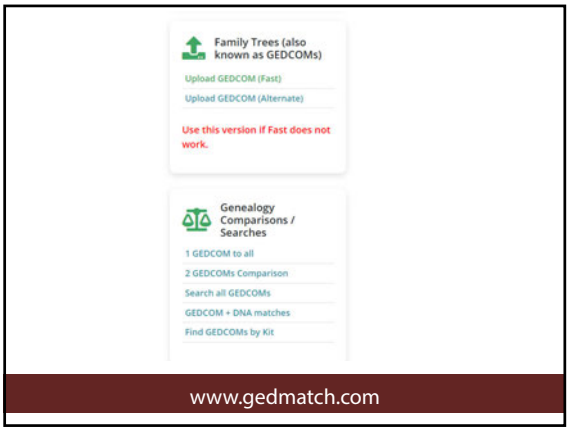


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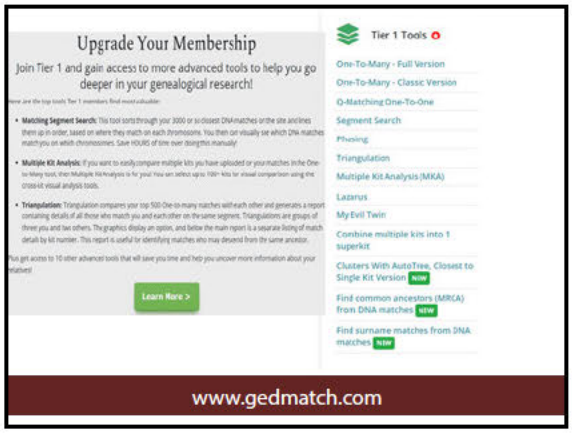


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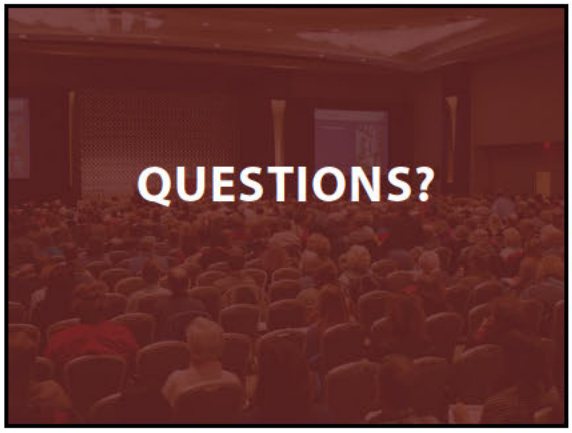


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## DNA Painter

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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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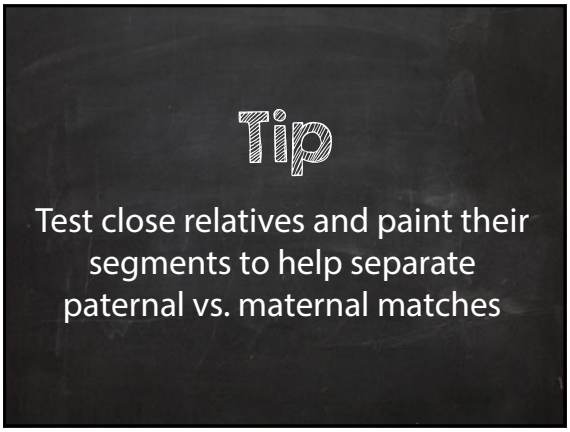


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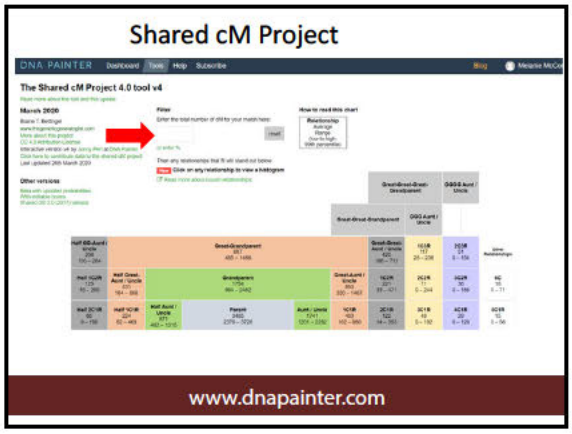


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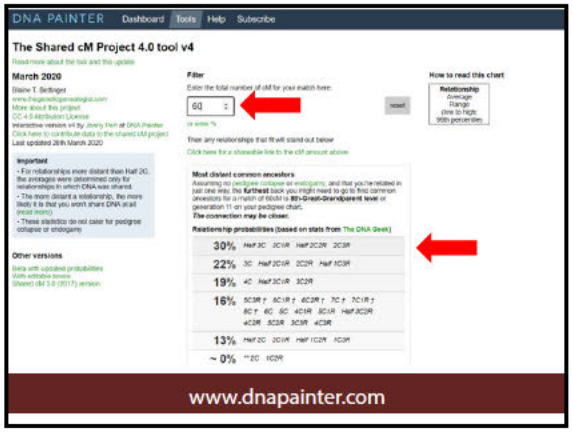


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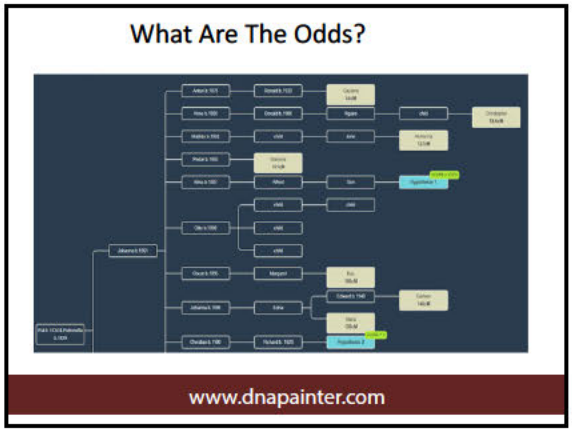


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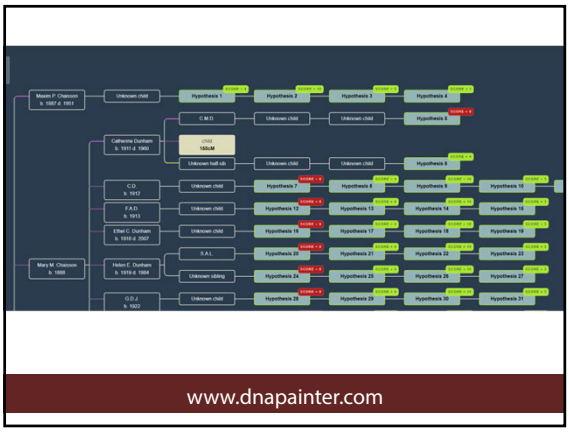


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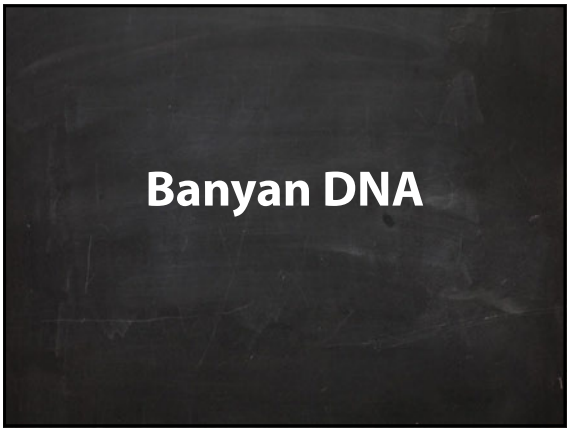


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## Background

- 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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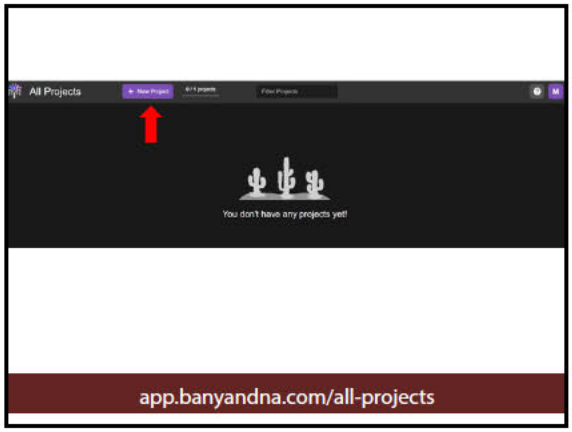


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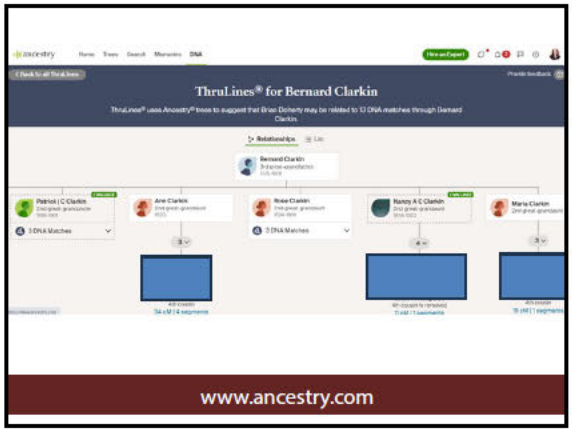


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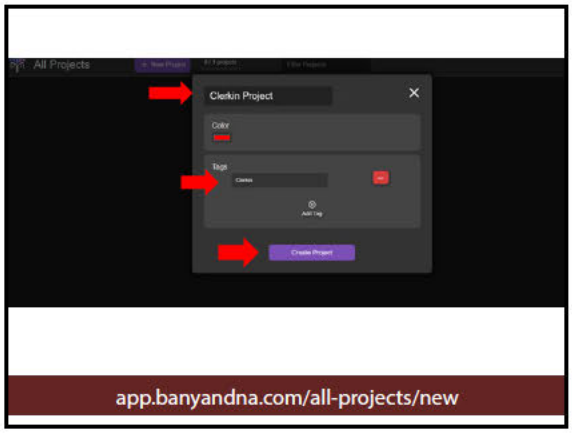


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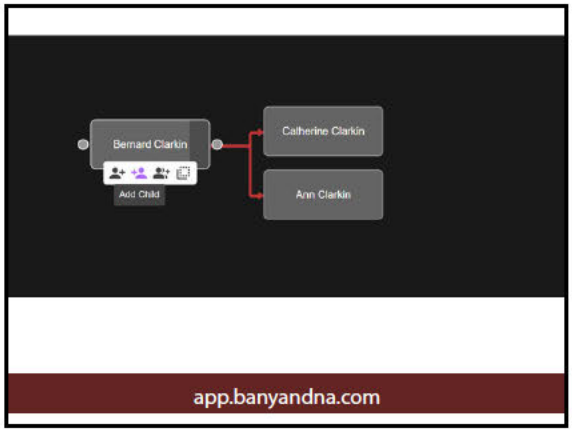


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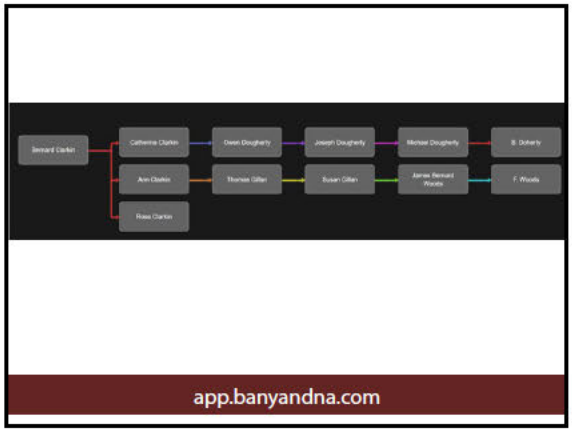


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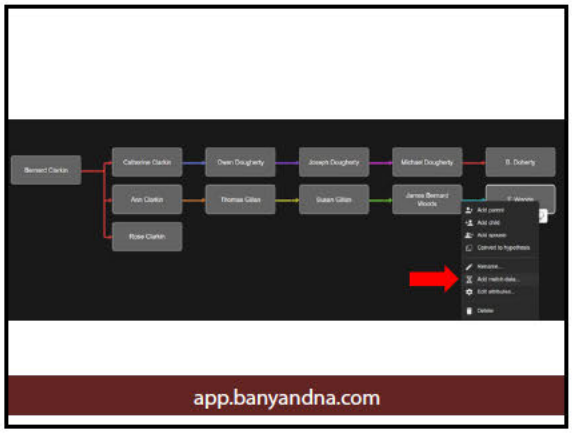


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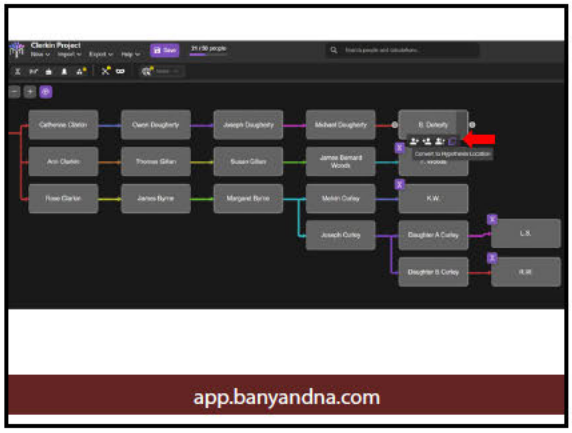


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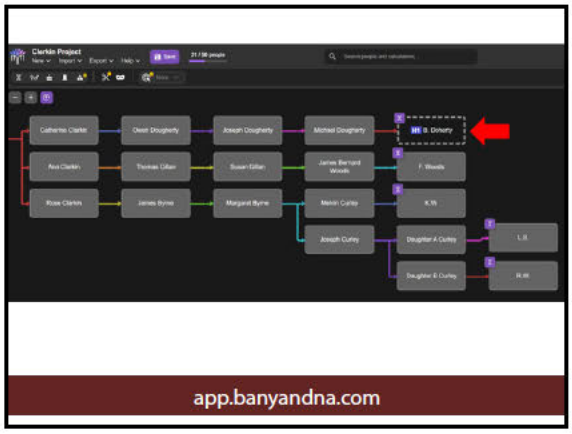


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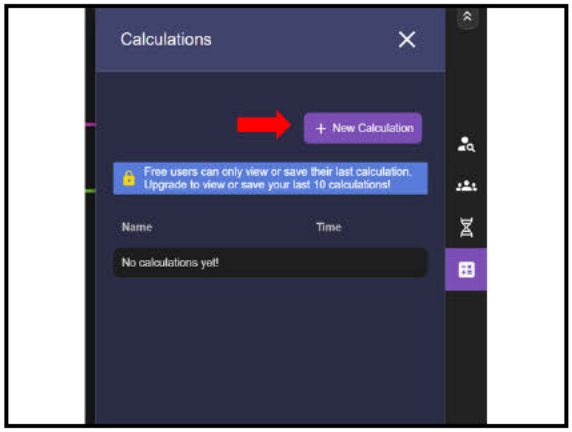


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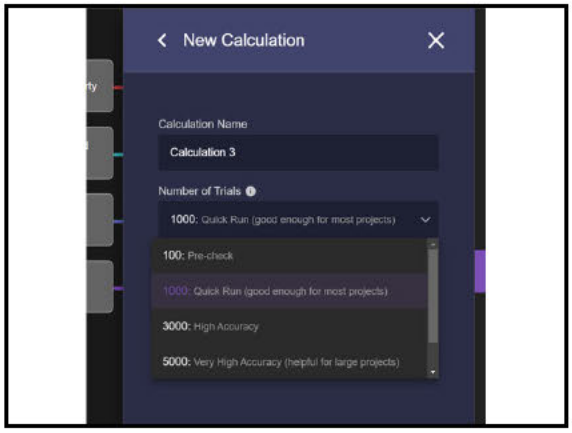


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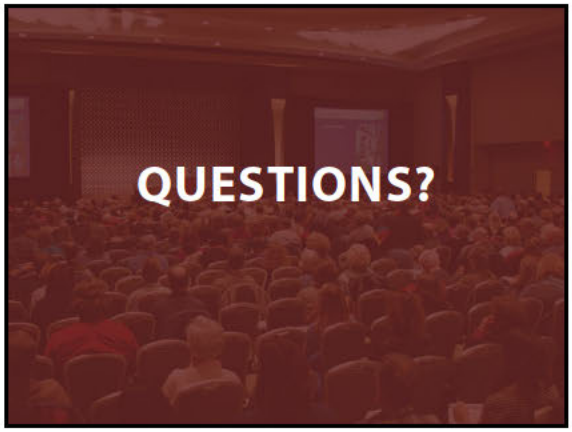


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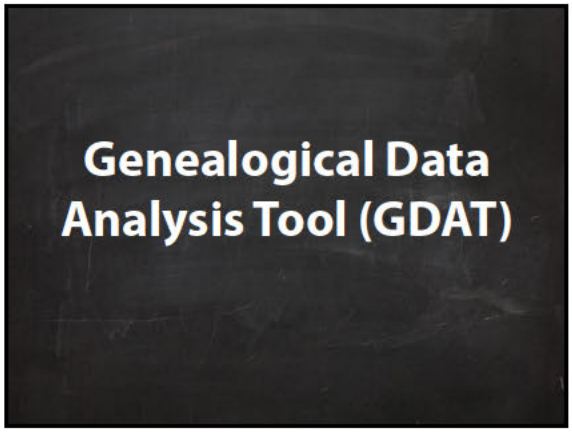


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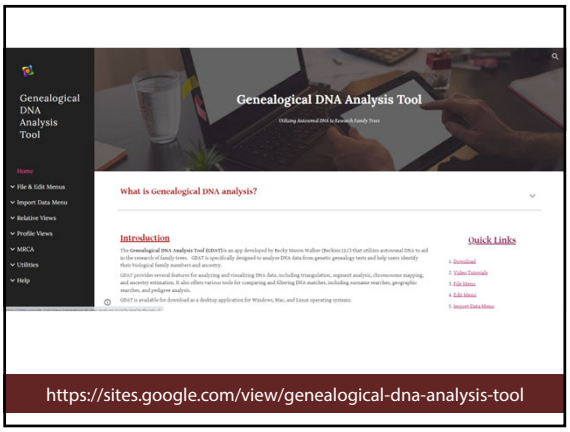


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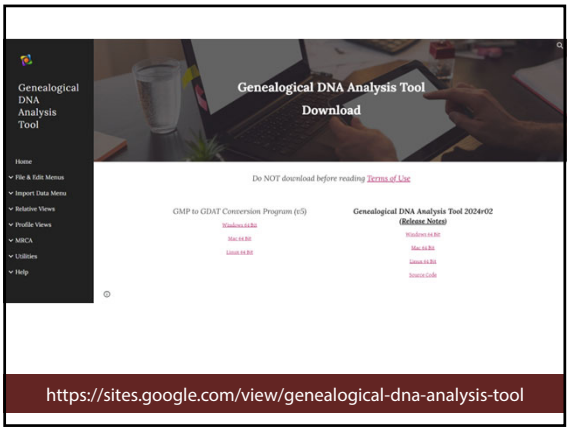


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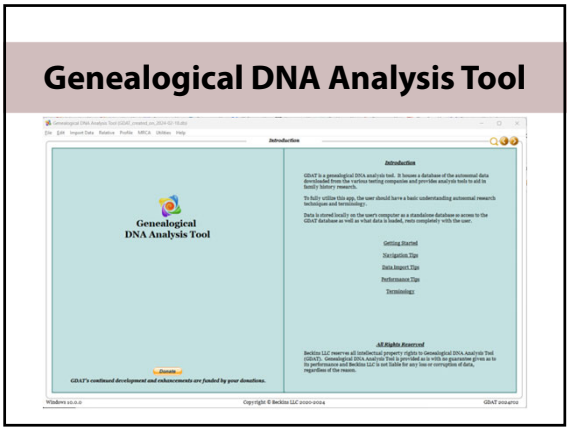


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## Genealogical DNA Analysis Tool

***Getting Started***

Before starting a database in earnest, experiment with the app to see what it can do. Start with one profile and one testing company.

Follow these steps:

1. Set up a profile (Edit-Profiles)
2. Load gedcom (Utilities-Load Gedcom)
3. Activate a Import Data template (Edit-Import Templates)
4. Import the .csv files from one DNA testing company
5. Explore the data on the Relative List (F8), Relative Detail (F1-F4) and Chromosome Browser (F7) pages
6. Assign a MRCA (Relative-DNA Comparison)
7. Review the Segment Map page (Profile-Segment Map)

When comfortable with all of these steps then it is time to extend the database to multiple profiles and multiple testing company downloads.

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## GDAT Import Data Templates

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## Activating an Import Data Template

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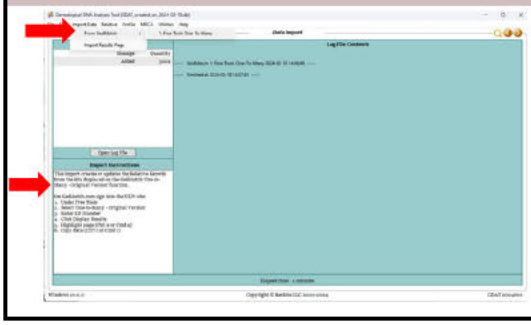
## GDAT Data Import



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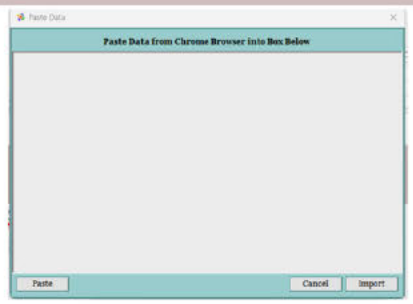
## GDAT Paste Data

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Tip

Review data templates to make sure that data is up to date. Run a test file before importing full files.

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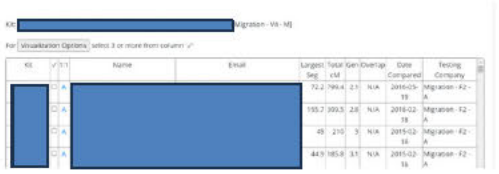
## GEDMatch One to Many List



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## Import Data Templates

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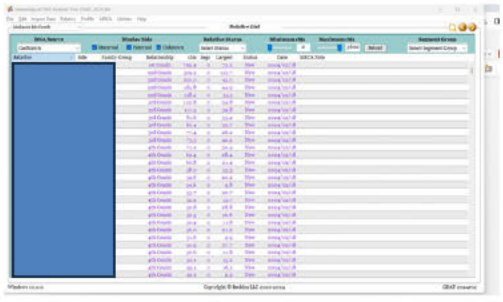
## GDAT – Relative List



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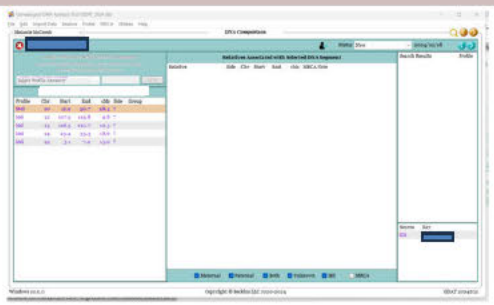
## GDAT – Data Comparison



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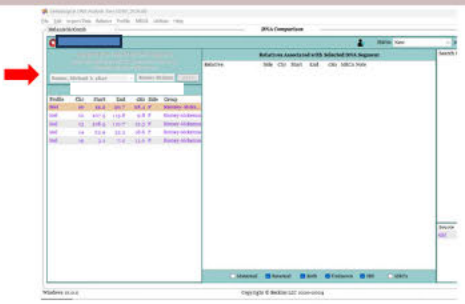
## GDAT - Assigning MRCA



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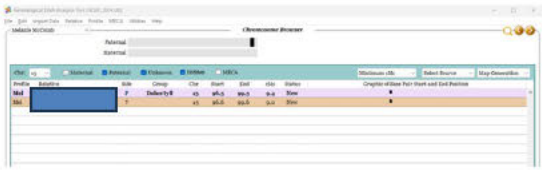
## GDAT – Chromosome Browser



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# DNA GEDCOM

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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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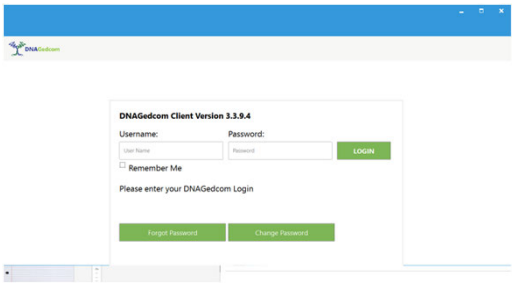
## DNA GEDCOM Client (Login Page)

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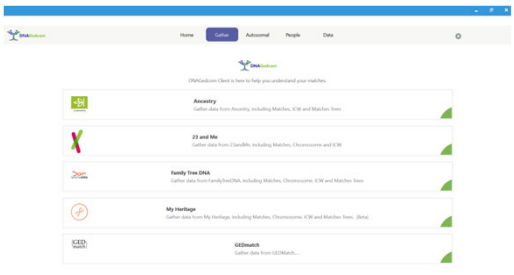
## Gather Tab

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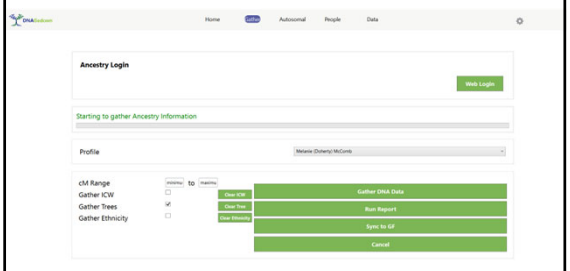
## DNA GEDCOM – Gather Ancestry DNA Results

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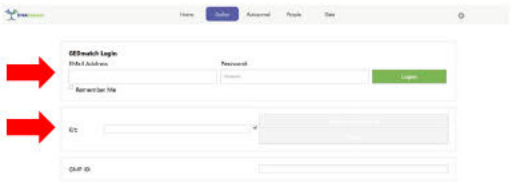
## Gather - GEDMatch



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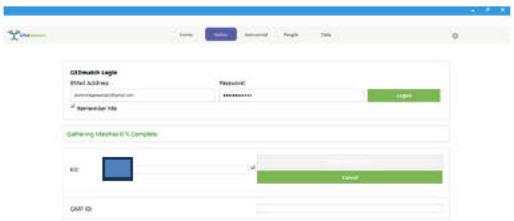
## DNA GEDCOM – Gathering GEDMatch Data by Kit



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## DNA GEDCOM – Data Tab

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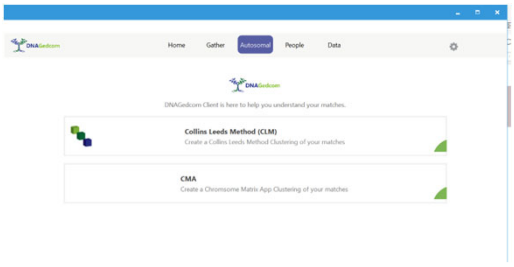
## DNA GEDCOM – Autosomal Tab

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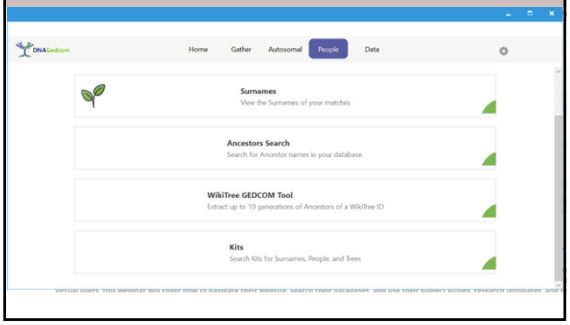
## DNA GEDCOM – People Tab

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## AncesTREES

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## AncesTREES DNA Tools

- Triangulation
- Chromosome Browser

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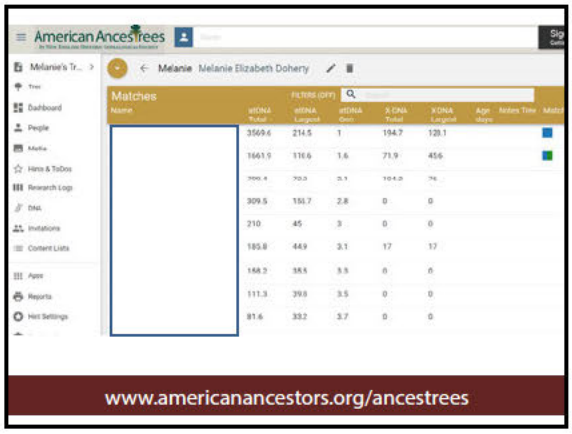


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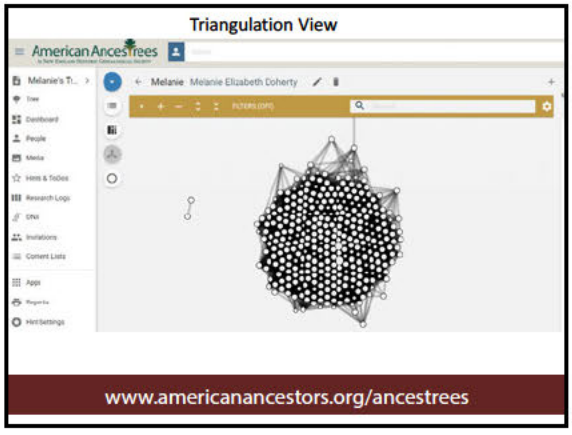


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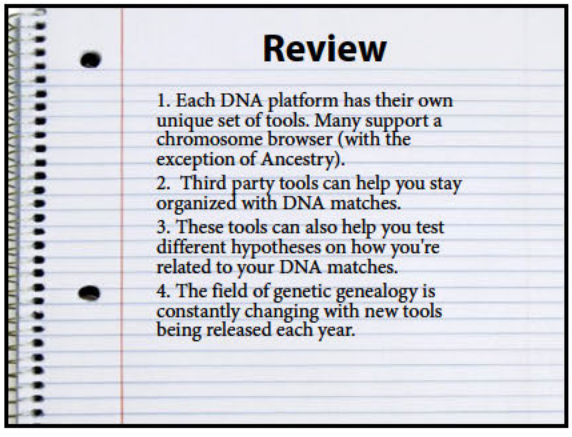


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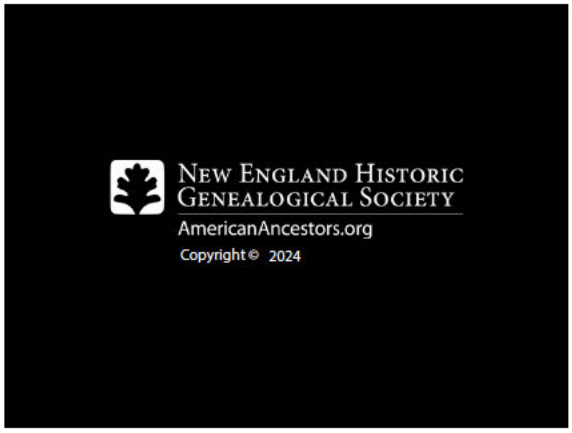


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