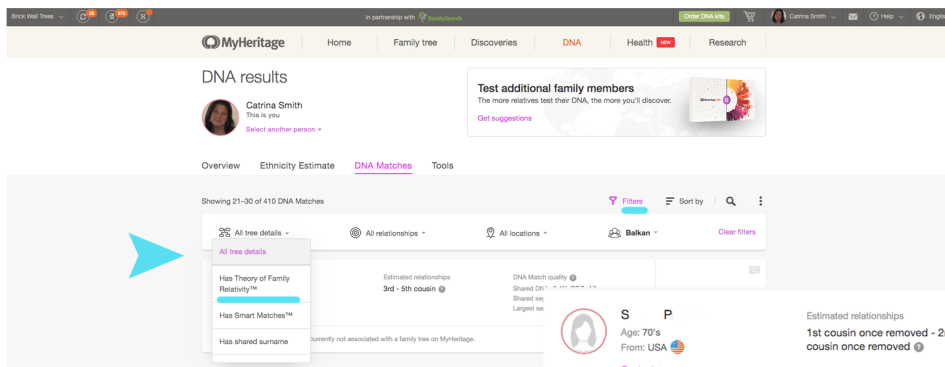
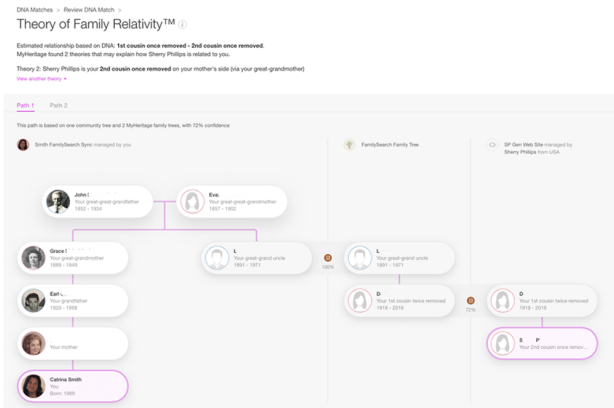


# MyHeritage DNA Tools

catrinajensen@me.com

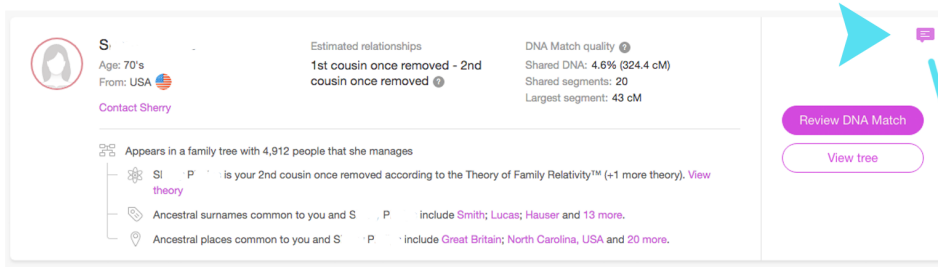
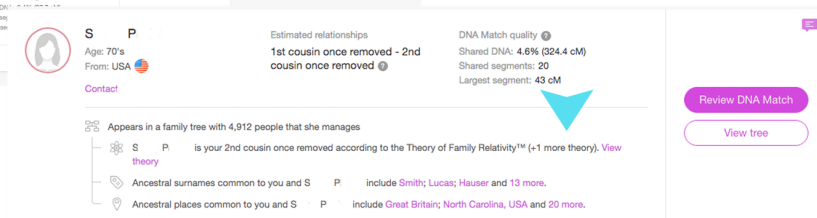
In this class we will cover the advanced tools MyHeritage offers for those with DNA results in their database.

Theory of Family Relativity - MyHeritage's matching technologies establish connections between people in trees and records to hypothesize how your DNA matches.

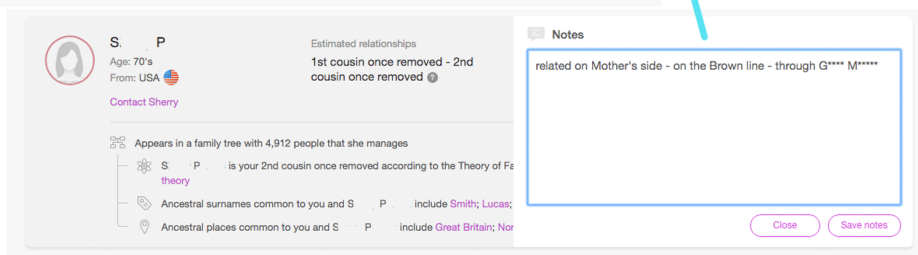


This tool is found in the DNA Matches by clicking Filters and then opening All tree details. It is also listed under each DNA match that has a theory.

Be sure to create Notes about how you are related that will carry to other tools in MyHeritage.

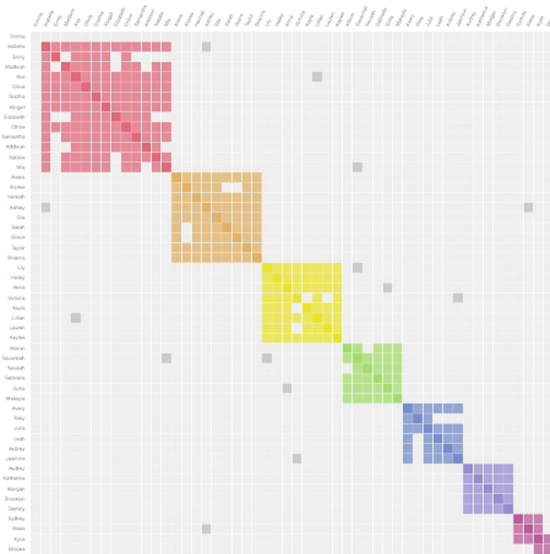


The note box will be gray when empty and purple when a note has been created.



The AutoClusters Tool - organizes your MyHeritage DNA Matches into shared match clusters that likely descended from common ancestors.

Example of AutoClusters



You begin creating your autocluster analysis by clicking on DNA Tools under DNA.

Click Explore

Click Generate

Autoclusters will then be emailed to you. This can be a few minutes or a couple of hours depending on demand.

Save the zipped file to your computer. When you unzip the file you will have three files - a Readme PDF, a CSV file with a spreadsheet, and an HTML file that shows your clusters.

**Generating AutoClusters**

We have started creating the AutoClusters for you. This process can take between a few minutes and several hours.

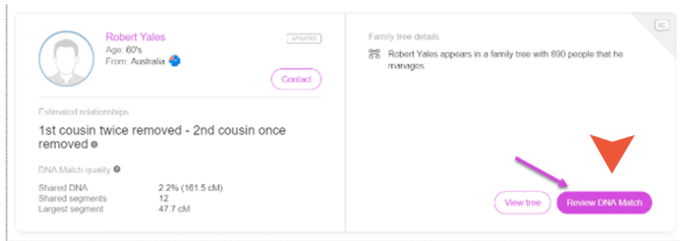
We will email the AutoClusters report to you at [catrinajensen@mac.com](mailto:catrinajensen@mac.com) as soon as it is ready.

[Return to DNA results](#)

Name	Date Modified	Size	Kind
Catrina Smith AutoClusters - AN-ES9EFO - January 16 2020.csv	Today, 2:00 PM	29 KB	comm...values
Catrina Smith AutoClusters - AN-ES9EFO - January 16 2020.html	Today, 2:00 PM	292 KB	HTML
Readme.pdf	Today, 2:00 PM	174 KB	PDF Document



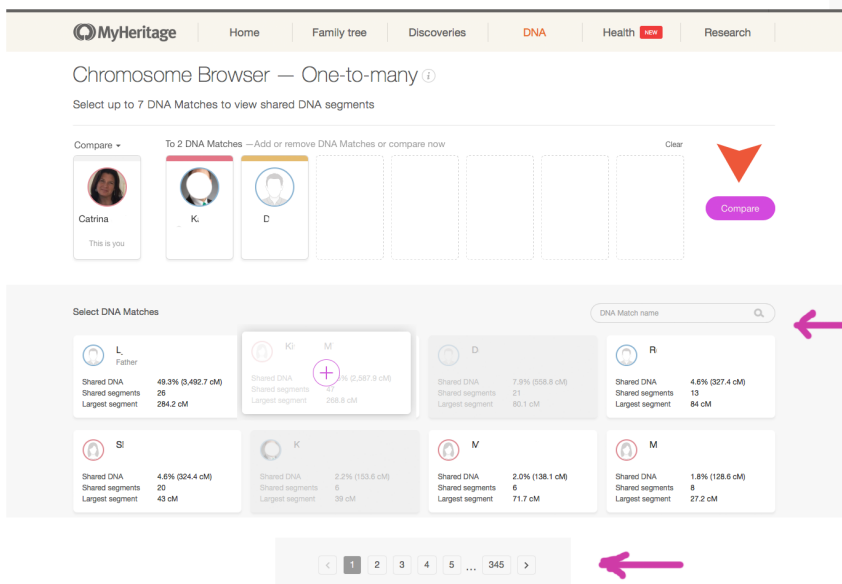
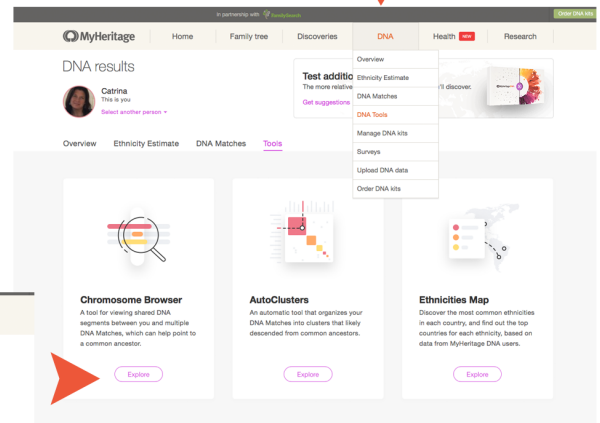
The Chromosome Browser ~~ is a tool that shows your chromosomes graphically. It is used to visualize shared DNA segments that people who share DNA have in common. MyHeritage locates such shared segments when it analyzes your DNA results and determines that you are a match with someone else when there are sufficient shared segments of sufficient size between you.



To view Click on Review DNA Match and scroll down to see the Chromosome browser.



The Chromosome Browser One to Many ~~ is a tool that shows triangulation of the DNA segments that match you and several other people to view if there are intersecting DNA segments. Click on DNA at the top Menu bar - click on DNA tools in the drop down menu. Click Explore under Chromosome Browser.



You can now select individuals to compare DNA segments. Click the add button while hovering over their profile card. You may need to search by name or scroll through pages by clicking arrows at the bottom. Click Compare.

If you and two matches share a segment (inherited from a common ancestor or ancestors), then you have a triangulated segment. In MyHeritage these are framed.

Chromosome Browser — One-to-many

You and all of the selected DNA Matches share 6 triangulated segments

Add or remove DNA Matches

Shared DNA segments info

Advanced options

Download shared DNA info

- You and all of the selected DNA Matches share 6 triangulated segments
- Karl Greenwood and you share 6 DNA segments
- Dean Messersmith and you share 21 DNA segments

Click Advanced Options and then click download the shared DNA information to be given in a CSV file format with exact locations and lengths of shared segments which is useful for mapping your DNA.

Match Name	Chromosome	Start Location	End Location	Start RSID	End RSID	Centimorgan	SNPs
Catrina Smitl All selected C	1	147807277	159783148	rs481176	rs25650803	11.9	5120
Catrina Smitl All selected C	5	3079891	31618475	rs16871030	rs250806	39	15360
Catrina Smitl All selected C	9	10883851	36808623	rs7873741	rs116974445	35.6	16000
Catrina Smitl All selected C	12	30389264	50319003	rs10771674	rs2276188	11.9	8192
Catrina Smitl All selected C	14	73085926	93418952	rs11844834	rs1006888	24.5	11776
Catrina Smitl All selected C	17	10054070	32332830	rs145352875	rs8081899	27.2	9600
Catrina Smitl K	1	147807277	161488017	rs481176	rs150991486	14.8	6272
Catrina Smitl K	5	3079891	31618475	rs16871030	rs250806	39	15360
Catrina Smitl K	9	10883851	36808623	rs7873741	rs116974445	35.6	16000
Catrina Smitl K	12	30389264	50319003	rs10771674	rs2276188	11.9	8192
Catrina Smitl K	14	73085926	93418952	rs11844834	rs1006888	24.5	11776

“Chromosome Mapping ~ With enough shared segments among different close cousins, you can assign specific segments to known ancestors. To know which segments are inherited through your maternal grandfather versus which segments are inherited through your maternal grandmother, you can group and triangulate the segments with close cousins and collateral relatives (non-direct ancestors) of the individuals comparing shared segments.” *MyHeritage Education Information*