



I received my DNA results!

Now What Do I Do With My Thousands of Matches?

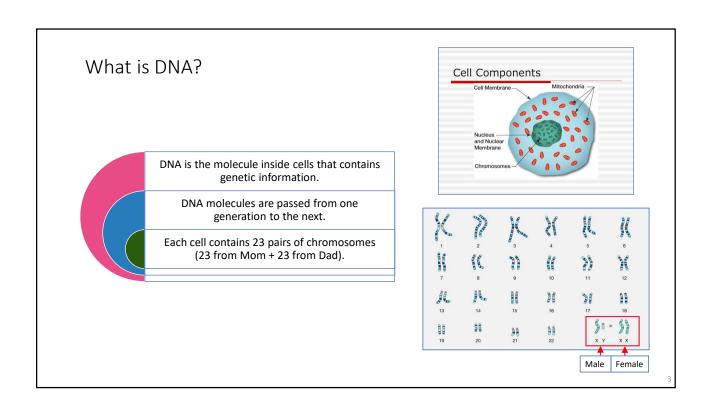
Ben Kempner Benjamin.Kempner@gmail.com

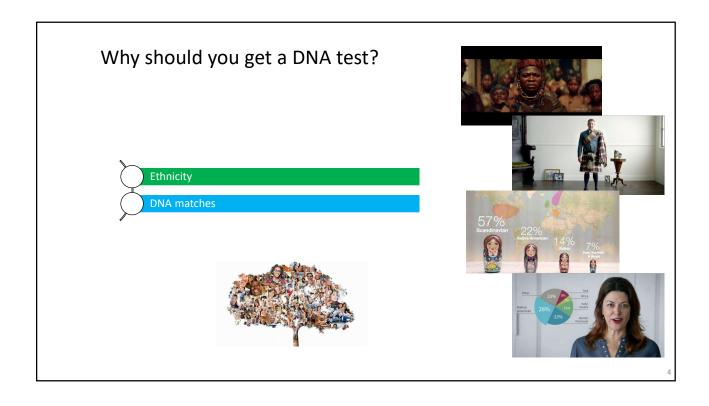
JGSSN March 19, 2023

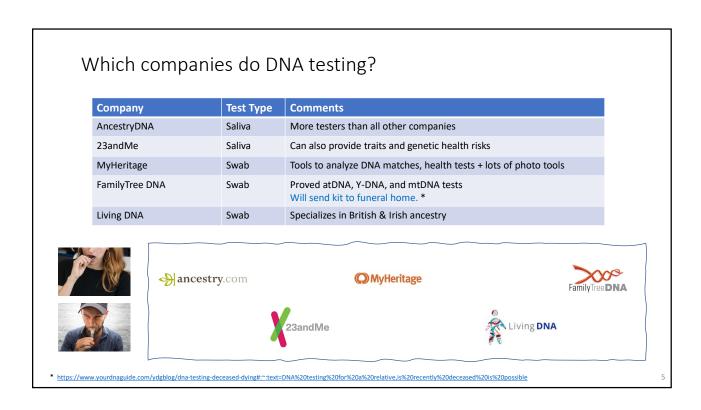
Agenda

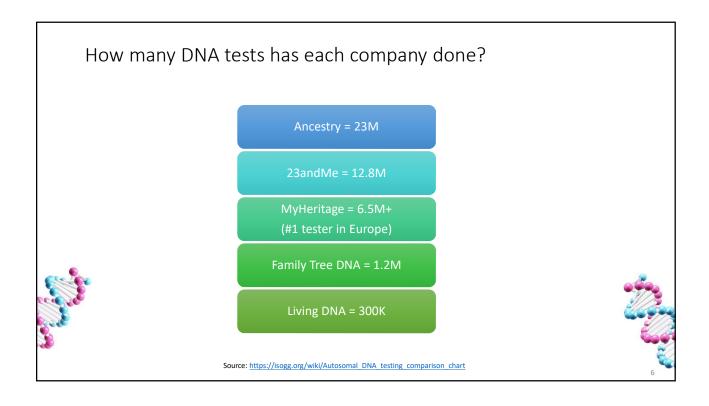
- DNA and DNA testing
- A little bit of science & history
- DNA test results
- Selecting your "best matches"
- Tips for contacting your "best matches"

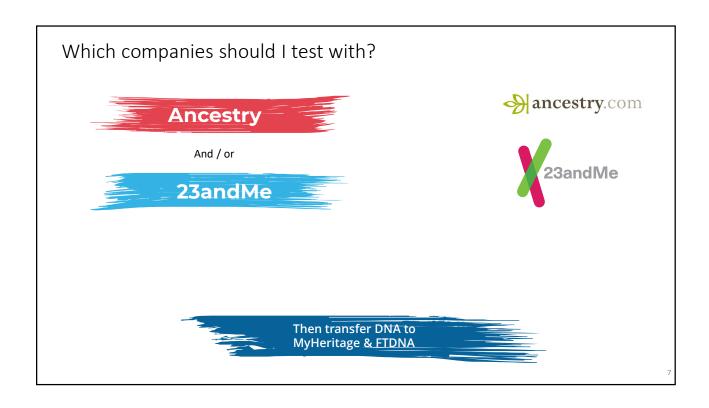


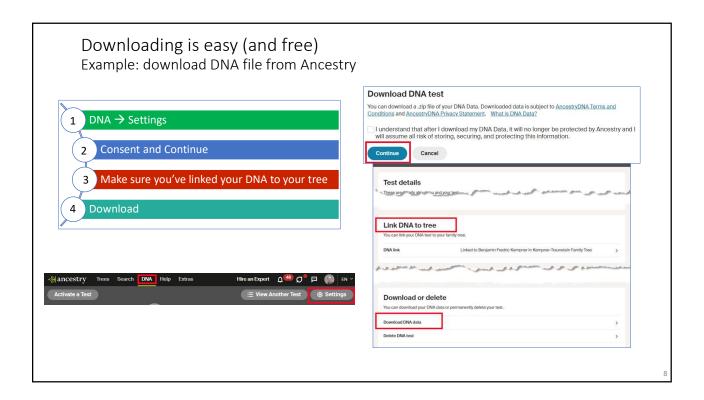


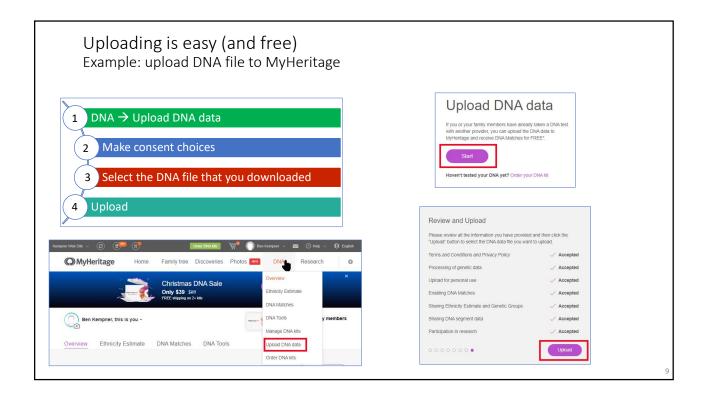












Q: What do you get for free?

A: You will see all your DNA matches for people who tested or uploaded their DNA to MyHeritage (or FTDNA or Living DNA or GEDmatch, etc.)

If you want to use the DNA analysis tools such as a chromosome browser that the company has, you pay:

- MyHeritage = \$29
- Family Tree DNA (FTDNA) = \$19
- Living DNA free (limited tools)
- GEDmatch = free, advanced tools = \$10/month



Wow – so many matches!

My DNA matches		
Ancestry	157,645	
23andMe	1,502 (max that they show)	
MyHeritage	21,274	
Family Tree DNA (FTDNA)	35,132	
TOTAL	215,553	



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If you are genetically Jewish, you may ask these Four DNA Questions:

שאצ וב שצ באם DIFFERENT FROM ALL OTHERS?

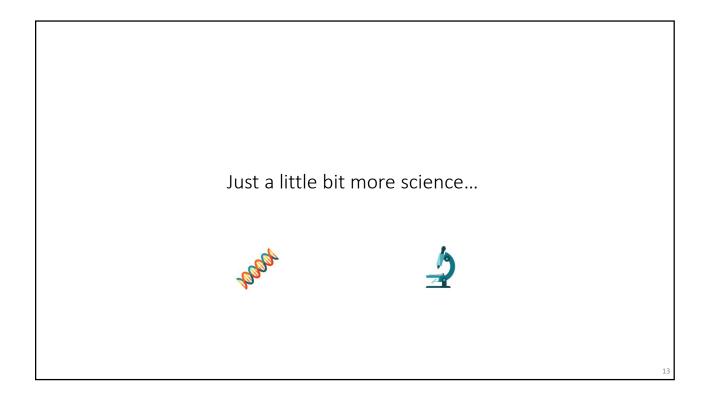


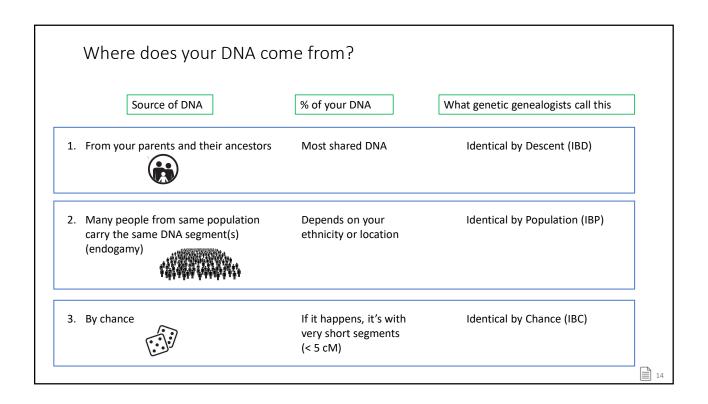
שאש סם ו אמע כם שמאש שמדכאפב?

WHY DO SOME OF MY MATCHES HAVE SO MANY DNA SEGMENTS:



שמא ו סם נאשר SMALL SESMENTS OF SHARED DNA?



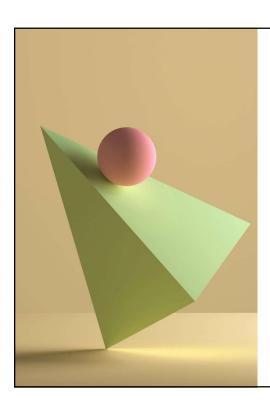


What is endogamy?

Practice of marrying within the same ethnic, cultural, social, religious or tribal group

Over several generations, descendants of this population begin to share many segments of DNA with each other

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A few examples of endogamous groups

- Jews
- Polynesians
- · Low German Mennonites
- Amish
- · Acadians or Cajuns (French settlers in what is now Nova Scotia)
- French Canadians
- People from many Arabic countries
- Newfoundlanders
- People from many islands
- Members of the Church of Jesus Christ of Latter-day Saints

How did Jewish endogamy occur?

A little bit of history...





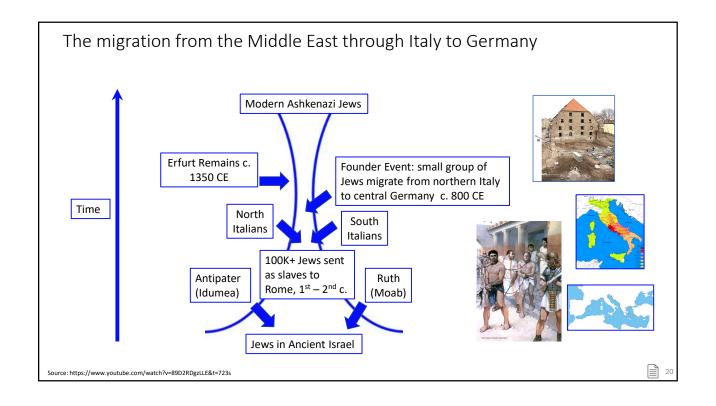
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Ashkenazic, Sephardic and other Jews



Video source: https://www.youtube.com/watch?v=M-TjGJ9bgKQ&t=125:

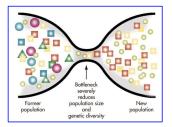




Founder Event and Genetic Bottleneck reviewed

Founder Event:

- Occurs when a small group becomes separated from the larger population.
- · Over time, new subpopulation (i.e., Ashkenazis) will have the genes of the initial small group



Bottleneck:

- Occurs with a sharp reduction in the size of a population i.e. the migration from Italy to Germany
- Bottlenecks reduce the variation in the gene pool & cause people to share the SAME SEGMENTS OF DNA – endogamy!

Ashkenazi Jews have strong levels of endogamy due to:

- Traditional marriage within the religion
- Isolation of the founder group & the severe genetic bottlenecks

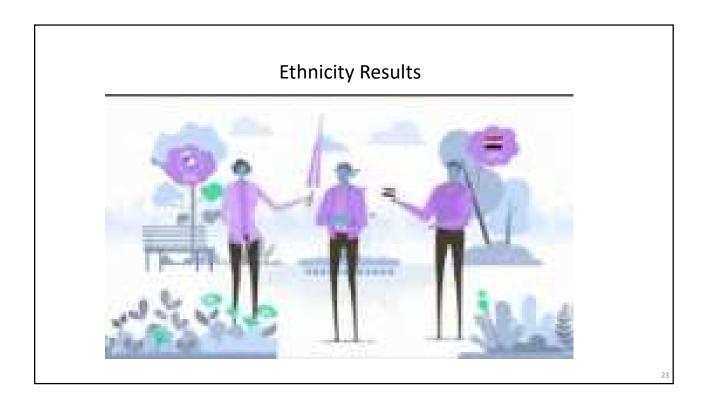


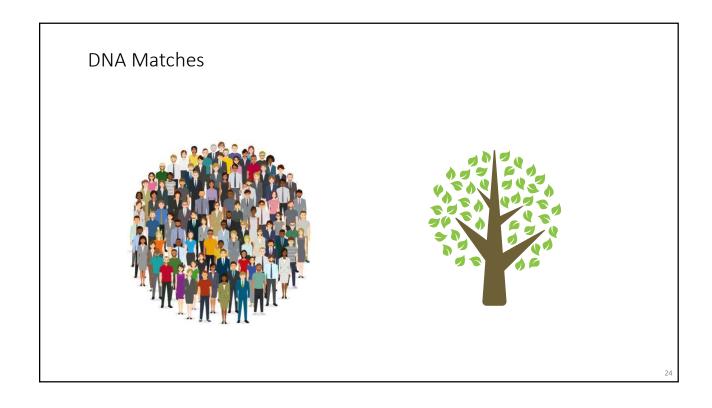
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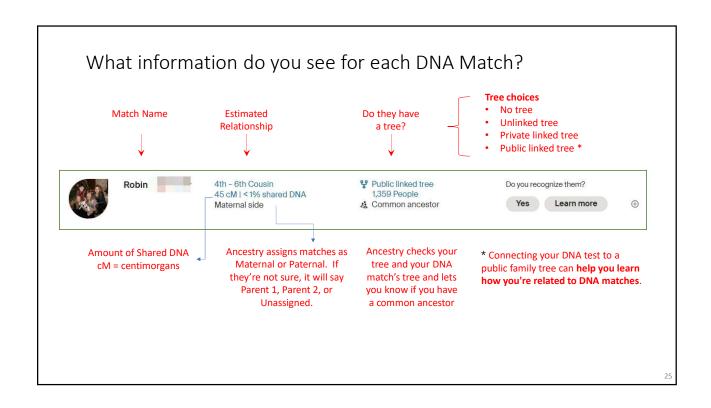
Back to our DNA tests...what do we get and what do we do with our thousands of matches?

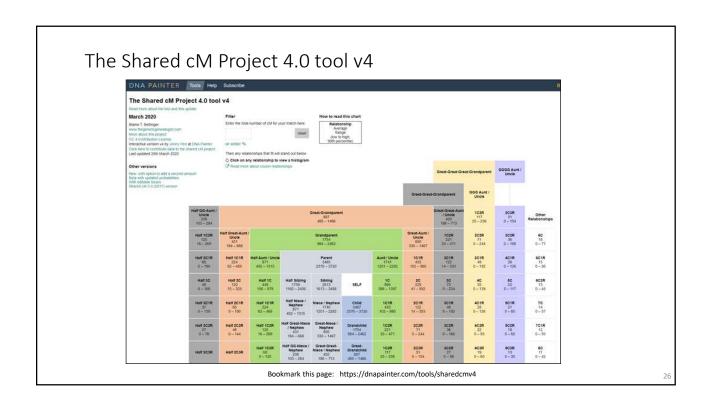


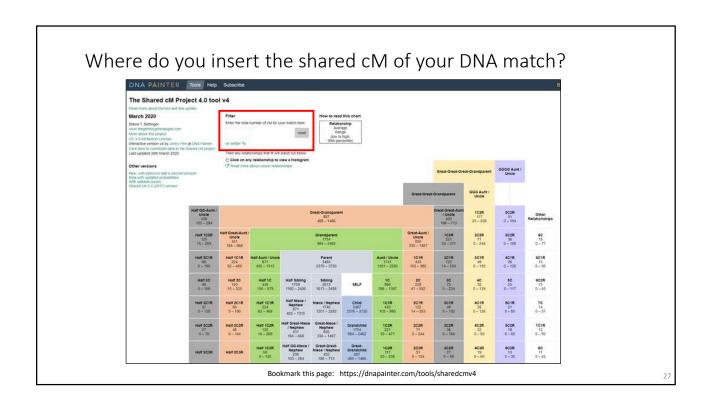
At seven generations back, less than 1% of your DNA is likely to have come from any given ancestor

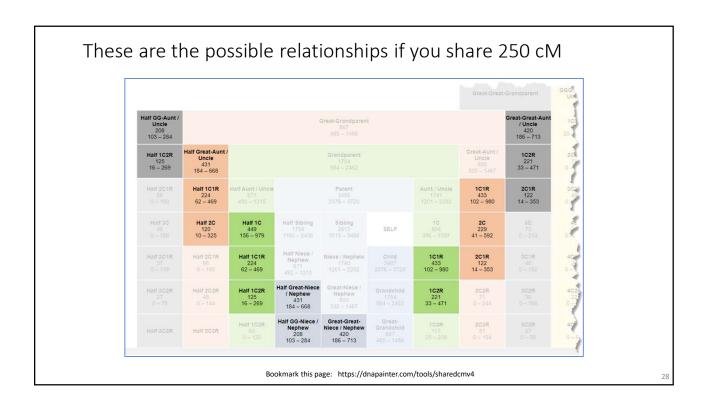


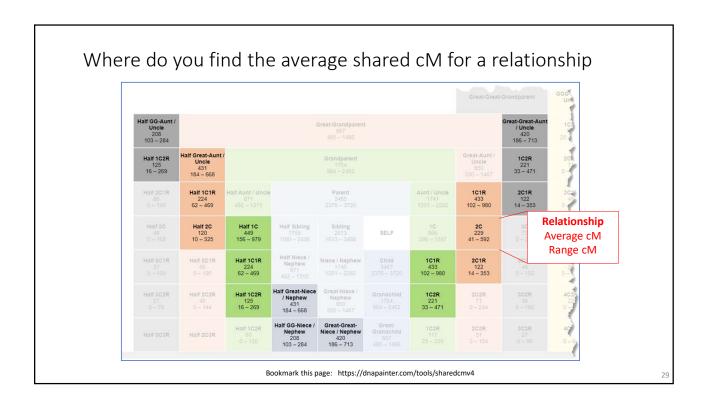


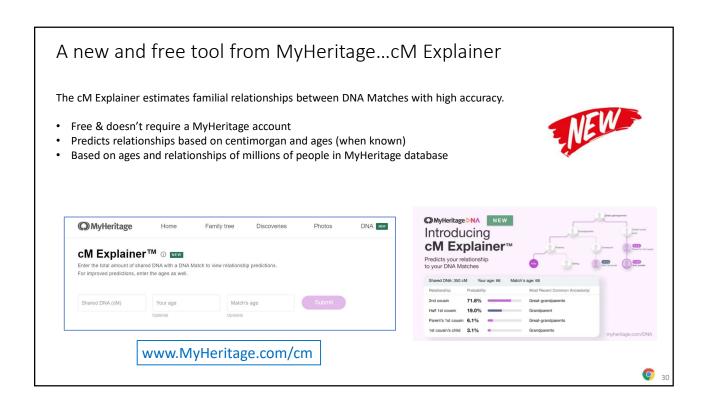












Ashkenazic Shared DNA Survey – August 2022 Update

- Jewish genealogist, Lara Diamond, is collecting data to reflect shared DNA from Jewish respondents.
- As of August 2022, she has collected 6455 data points.
- Jews (& partial Jews) with the same relationship (i.e., 1C, 2C, etc.)
 share more DNA than non-Jews = effects of endogamy



Example comparisons of average cM shared at different relationship levels

Relationship	Shared cM Project	Ashkenazic Shared DNA Survey
1C	866	922
2C	229	272
3C	73	113
4C	35	53
5C	25	48



Source: https://larasgenealogy.blogspot.com/2022/08/ashkenazic-shared-dna-survey-august.html

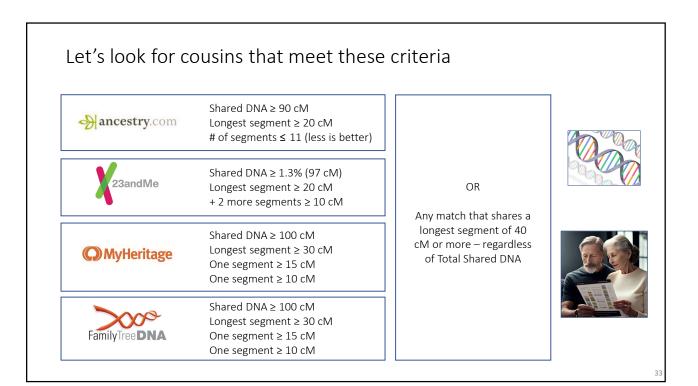
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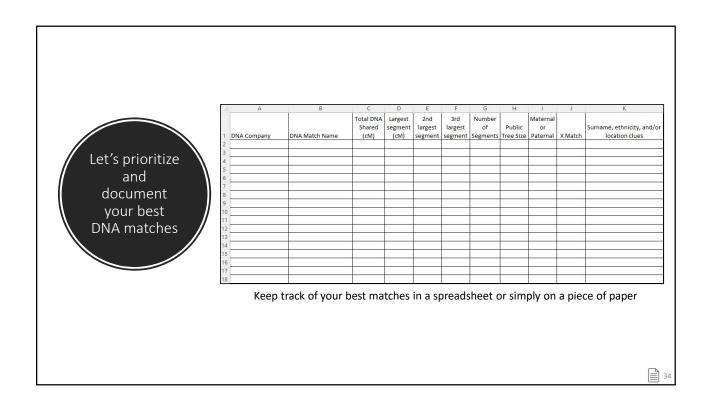
Techniques for finding your best DNA matches ancestry.com

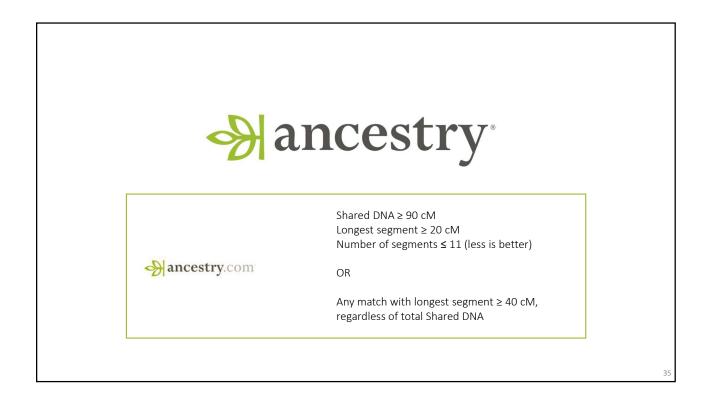


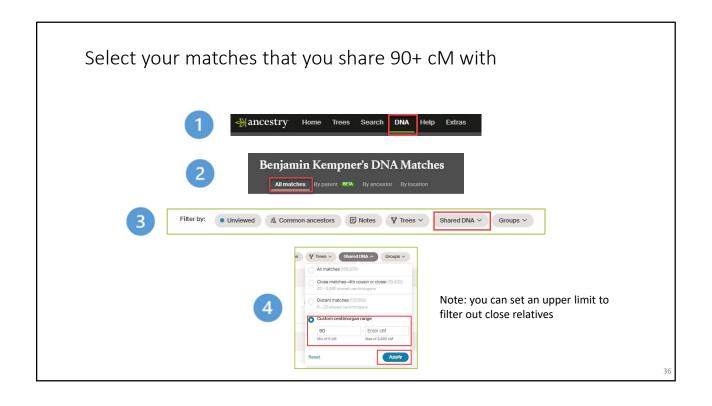


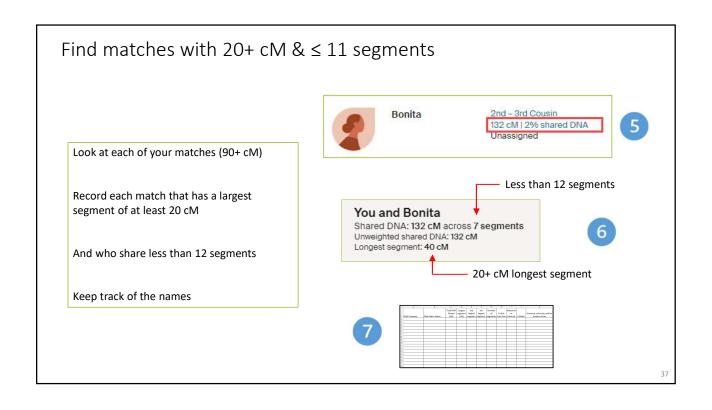


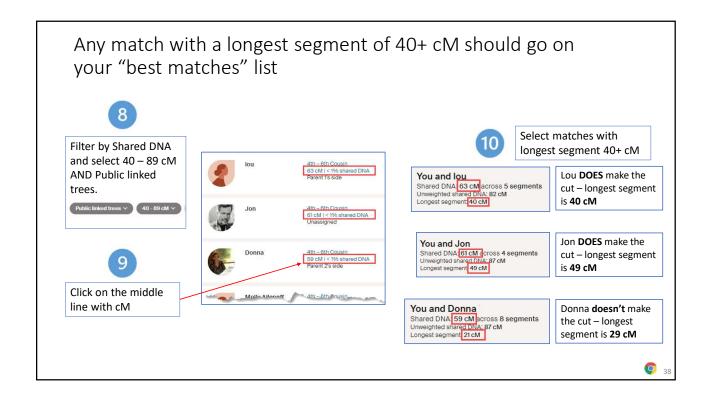


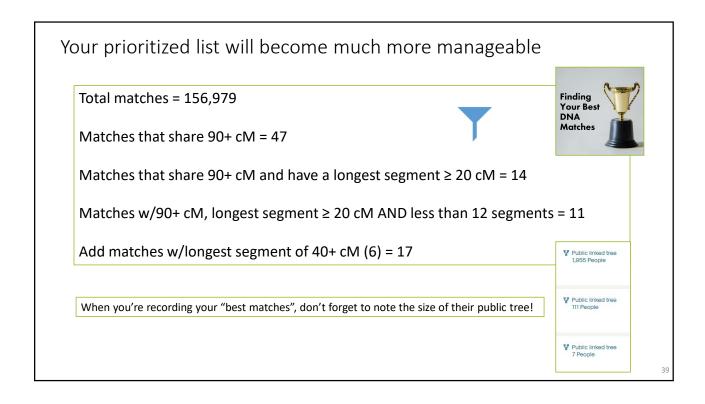


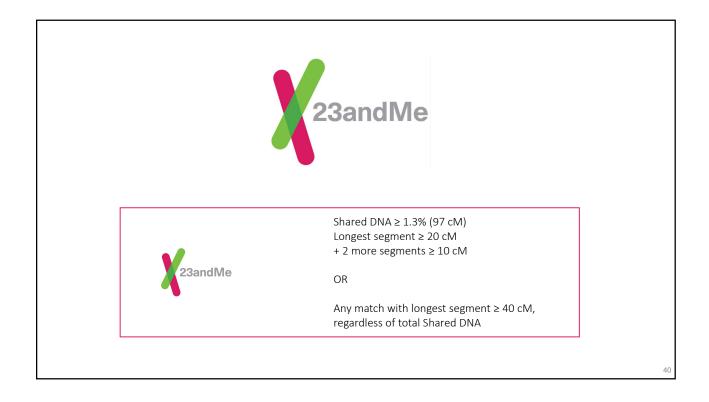


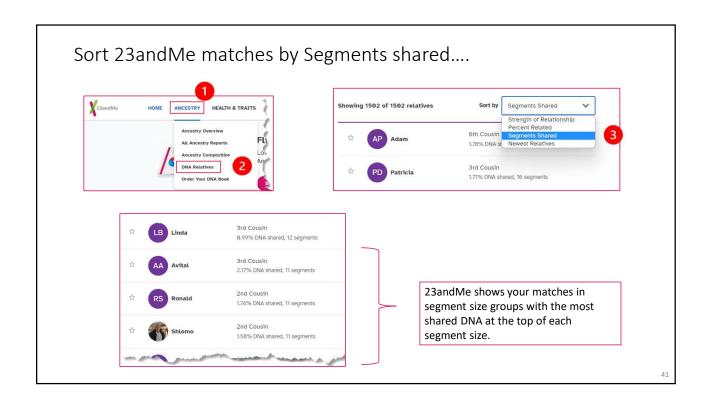


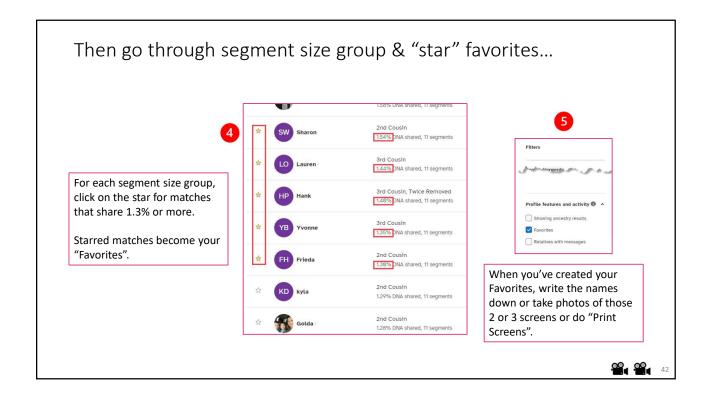


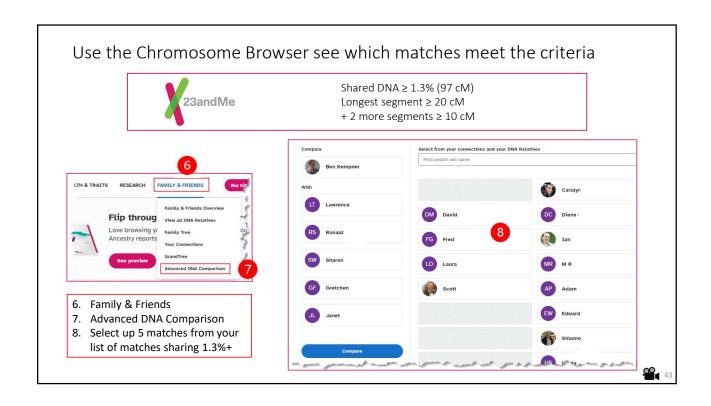


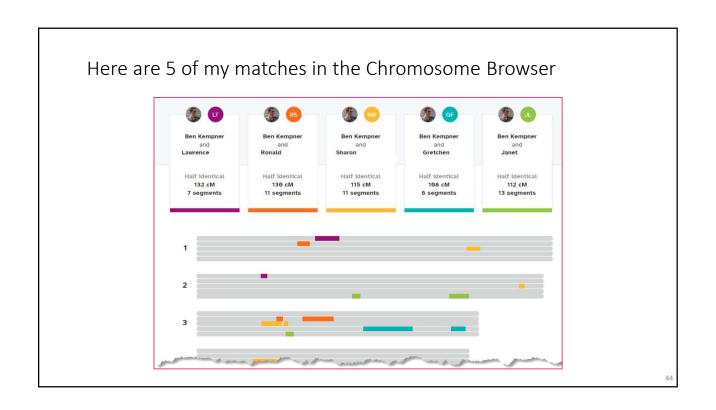


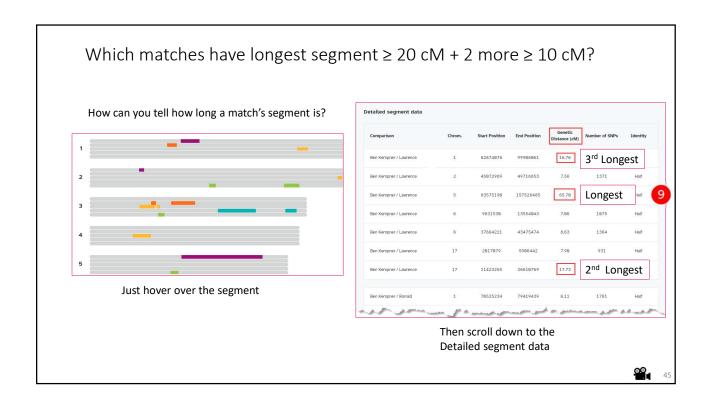




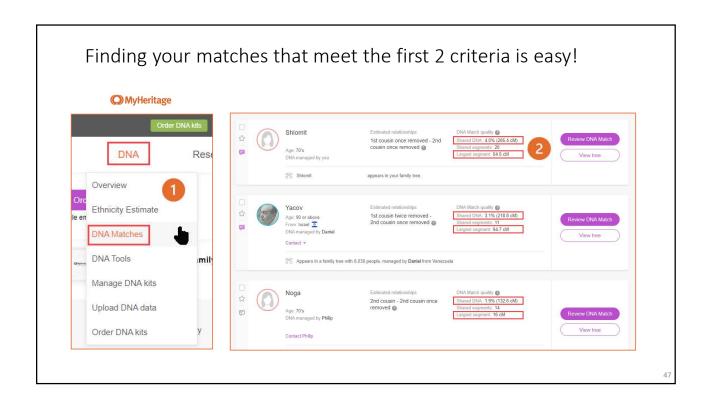


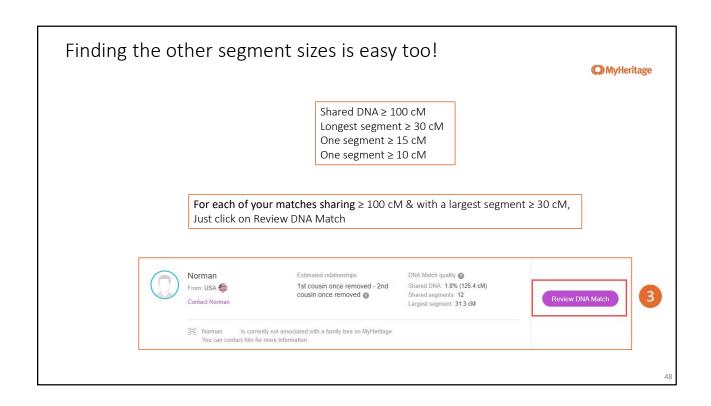


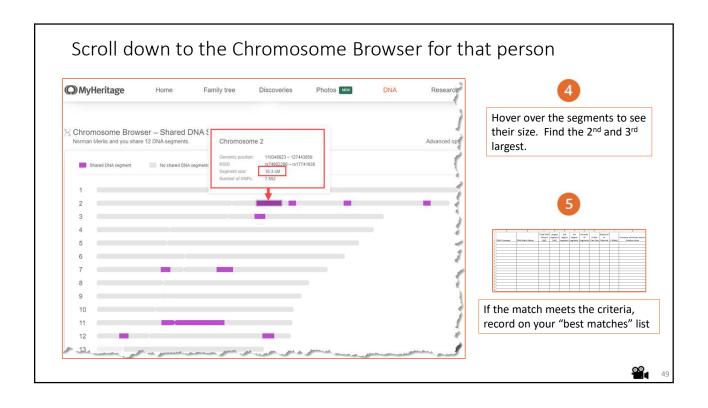


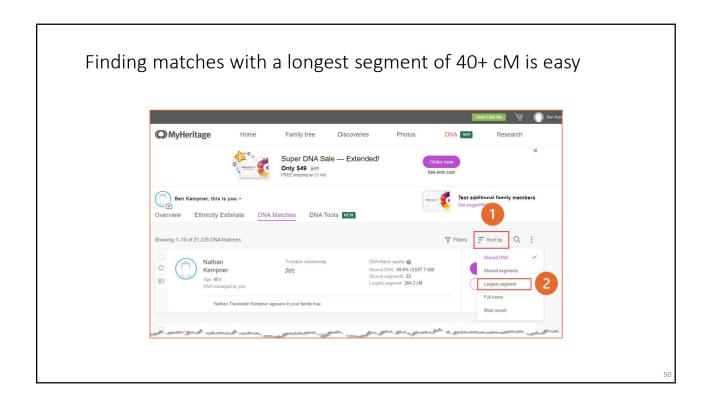


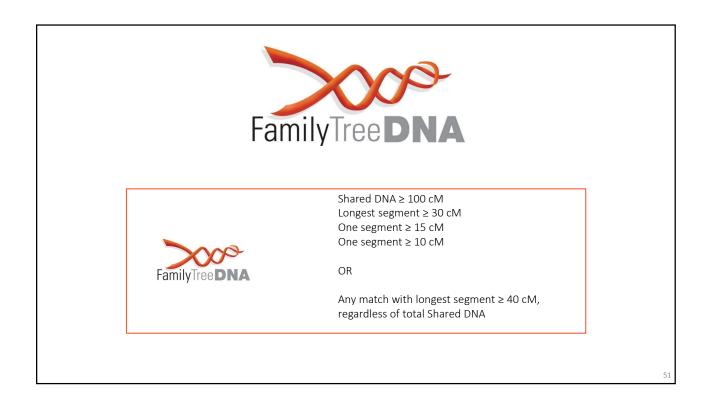


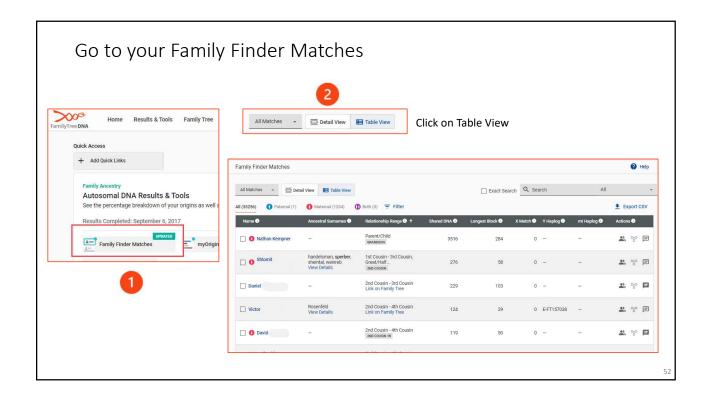


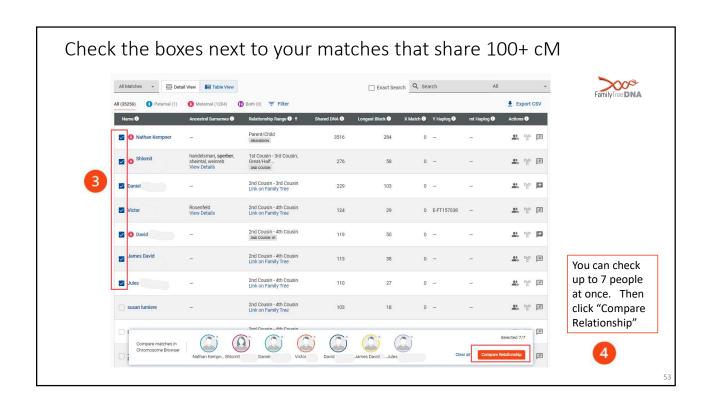


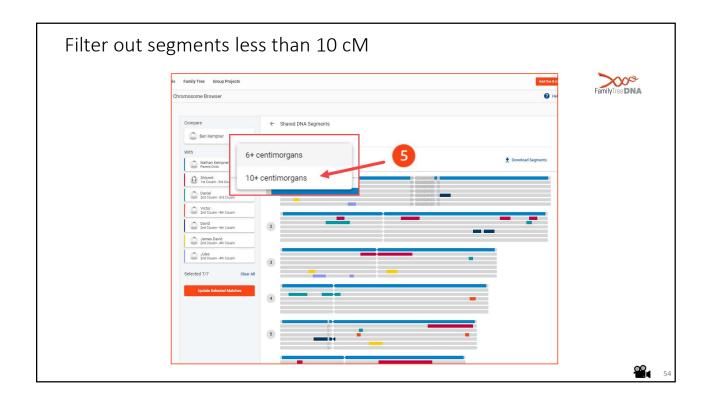


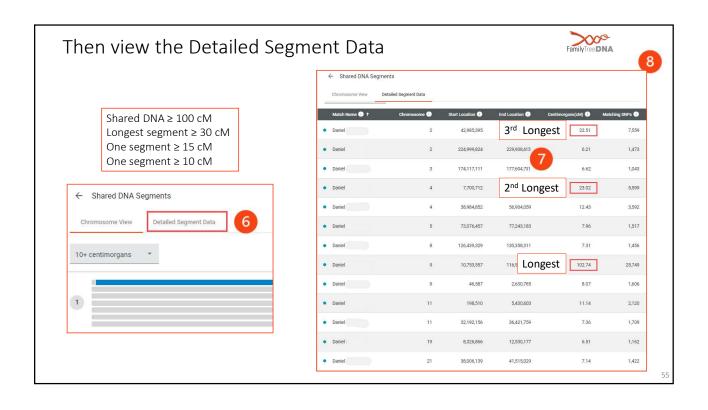


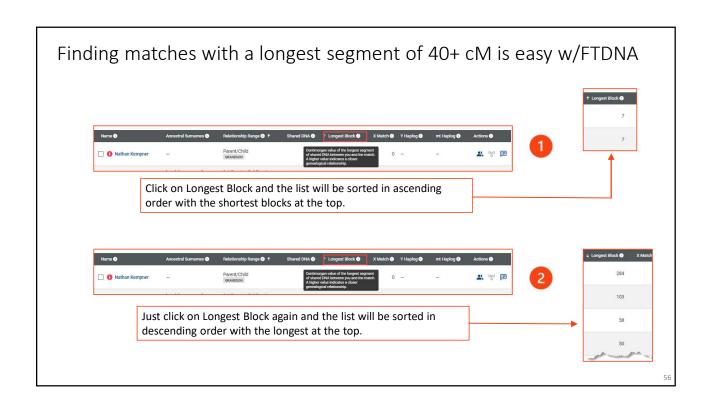






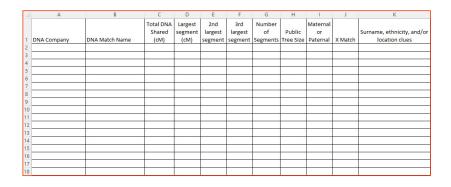






Finish adding your matches that meet the criteria to your list

Shared DNA \geq 100 cM Longest segment \geq 30 cM One segment \geq 15 cM One segment \geq 10 cM



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Next steps!

- Congratulate yourself on a job well-done!
- Look for additional clues for the people on your "best matches" list.
 - Surnames
 - Locations
 - Shared matches
 - Family trees be sure to check to see if they've provided sources for their people BMD records, etc.
- Now you're ready to contact your matches to learn more about your family history!



5.8

Reaching out to DNA matches



Tips for contacting your DNA matches

- Start with their name it's more personal. As some people administer more than one DNA account, make sure they know you're talking about.
- · Keep it short.
- Ask a simple question keep locations & names general (i.e. counties, states, surnames, not streets and full names).
- Start with Qs about deceased relatives, not living until they're more comfortable.
- Don't mention centimorgans it can be intimidating.
- Give them an easy action item.
- Always be respectful of their privacy.



