

Taking Ancestry DNA to the Next Level



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http://familytreeaz.com/presentations

FamilyTreeAZ.com

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All slides and handouts can be found at: http://www.familytreeaz.com/Presentations/



QR Code: take photo to open to presentations

Variety of Topics

- Downloading your match list
- Different types of subscriptions and add-ons
- Linking a tree to your DNA kit
- Timber algorithm
- ProTools
- ThruLines
- SideView
- Ways to save money

Ancestry DNA

- Most DNA tests in their database: 27 million as of 2025
- Excellent family tree tools with many trees
- Primarily best for American DNA testtakers
 - Most matches for those with colonial roots

DNA Kits in Database (estimated, 2024, in millions)



Ancestry Features

• Family Trees

There are **over 100 million** family trees on Ancestry[®], most of which are public. Family trees can contain a wealth of information, but they're only as accurate as the tree creators made them. Trees created by Ancestry members are not checked for accuracy.

Ancestry® Support
 https://support.ancestry.com - article - Searching-Public-...
 Searching Public Family Trees - Ancestry® Support

- Research Databases
 - Over 33,000 databases
- DNA
 - Ethnicity (now called Origins)

Breeds & Health

→ Health

→ Traits

\$149*

Already taken breeds test, and want health? Login to upgrade

→ Breeds

→ Matches

⊕ Learn More

Buy now

Excludes shipping

Breeds

- DNA Kit Matching
- Pet DNA



→ Breeds

→ Matches

⊕ Learn More

Buy now

Excludes shipping.

→ Traits

\$99*



Automatic (Included) Features of Having a DNA Kit on Ancestry

- DNA Matching with others in the database
 - Amount of shared DNA as measured in centiMorgans (cM)

-	2nd cousin Paternal side 194 cM 3% shared DNA	Public linked tree 116 people Common ancestor	+ Add
			C

- Ability to build a family tree and attach it to your DNA kit to help others find a common ancestry
- Ability to message your DNA matches
- Ancestral Regions and Journeys
- Ability to add notes to the DNA match
 ICIR
- All free for the price of a DNA kit



Downloading match list

- Various methods exist with varying difficulty and usefulness
 - These often change or become useless with each change of Ancestry's data structure
- My go-to:
 - DNAGedcom
 - Cost: \$5/mo or \$50/yr



Clean way to download all (or selected amount) of your matches into a spreadsheet

What is DNAGedcom?

- Website: <u>http://dnagedcom.com</u>
- Requires downloading a client to your Windows PC or Mac (note: I have only used the Windows version)
- Allows downloading full match data from Ancestry as well as other online services (subject to change)



WELCOME TO THE DNAGEDCOM TOOLS SITE

Special note: this program requires frequent updating due to changes in Ancestry rules and file formats. Luckily it is very carefully administered by Rob Warthen and his team.

Special Note!

- Using this application requires extensive "hits" to the Ancestry database
 - A few years ago Ancestry cracked down on several applications like this, resulting in removal of access for the applications
 - Ancestry allows DNAGedcom to run this client but at *reduced speeds* in order to prevent overtaxing the server at Ancestry



Step 1: Download and Open the client and log in

https://dnagedcom.com/

DNAGedcom Client requires a subscription. After you subscribe, you can install the application for Windows or for Mac.

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	Please enter your DNAGedco	m Login				
	Forgot Password	Change Password				

Step 2: Log into Ancestry (inside of DNAGedcom)

 Click "Gather" and then "Ancestry"

DNAGedcom		Home Gather Autosomal People Data	¢						
		DNAGedcom							
	Ancestry Gather data from Ancestry, including Matches, ICW and Matches Trees								
	X	23 and Me Gather data from 23andMe, including Matches, Chromosome and ICW.							
	FamilyTree DNA	Family Tree DNA Gather data from FamilyTreeDNA, including Matches, Chromosome, ICW and Matches Trees							
		My Heritage Gather data from My Heritage, including Matches, Chromosome, ICW and Matches Trees. (Beta)							
	[GED] match]	GEDmatch							

Gather data from GEDMatch....

Step 2: Log into Ancestry (inside of DNAGedcom)

			Real Ancestry Web Login - 🗌 🗙
DNAGedcom	Home Gather Autosomal People Data	0	→ ancestry
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	Click Web Login to start		Email or username
	Profile		Password
	cM Range minimu to maximu Gather ICW Gear ICW Gather DNA Data Gather Trees Image: Clear Trees Run Report Gather Ethnicity Clear Ithn Sync to GF		Sign in Don't know your password?

Important Note: your credentials are not stored on DNAGedcom server but rather your own computer. This is one reason this application is allowed by Ancestry.

Step 3: Select options and run the Gather

• I recommend:

• "Gather ICW"		Ancestry Lo	gin			
 Enter a minimum cM value 						Web Login
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Step 4: All done with Gather

- This example for all matches on my kit down to 20 cMs took about 10 minutes to run
- If you selected ICW then it will take a bit more time to run the ICW report

Running Report ICW - 0% Complete 1 of 3

Creating Ancestry Reports Completed

Result is 3 CSV Spreadsheet Files

- "m" file is the spreadsheet with all the matches
- "a" file is the spreadsheet with tree data
- "icw" is the file showing shared match data

Name	Date modified	Туре	Size
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icw_Ken_Waters	5/3/2023 1:03 PM	Microsoft Excel Co	4,422 KB
💁 m_Ken_Waters	5/3/2023 1:01 PM	Microsoft Excel Co	466 KB
DNAGedcom	5/3/2023 1:01 PM	Data Base File	1,076,756

The "m" file contains all the matches gathered

• This file can now be manipulated and incorporated into other spreadsheets such as documenting shared networks

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The "a" file contains data for trees of your matches

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The "icw" file has all the shared match data

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Timber

- What is Timber?
 - An algorithm to try to remove segments that are common to many other matches

Timber mostly filters out shorter segments of shared DNA

The DNA you share with your matches is distributed across segments of DNA. If you think of you and your match's DNA like two books, shared DNA segments are like identical sentences or paragraphs in both books. The length of the longest segment you and a DNA match have in common can help <u>determine your relationship</u>. Sharing fewer, longer segments usually indicates a closer relationship. Shorter segments of shared DNA can indicate a distant relationship or identical DNA due to a shared region.

When we looked at the shared DNA segments removed by *Timber* for a study of 300,000 Ancestry customers, we saw that most of the removed segments are shorter (<10 cM). See the chart below.



However, we also found that in some cases, longer identical segments (>15 cM) were also removed by *Timber*. What this shows is that there is much more than just the sizes of the identical DNA segments to consider when trying to identify shared DNA from a recent common ancestor.

Timber

• To find the centiMorgans shared before the Timber algorithm is applied, click on the cM label



Real Timber Example

• sR match to my Mom's kit, 16 cMs

You and s R

Half 2nd cousin 3x removed or 3rd cousin 2x removed < 1% shared DNA: 16 cM across 1 segments

Message Edit Relationship

Add/edit groups Add note

Why is this important? Timber erroneously makes sR appear more

distant to Mom than to me, which is impossible (assuming I'm not related to the match on paternal side also)

emoved

 You and s
 R

 Predicted: half 2nd cousin 3x removed or 3rd cousin 2x removed

 Shared DNA: 16 cM across 1 segments

 Unweighted shared DNA: 23 cM

 Longest segment 23 cM

 Ancestry split a 23 cM segment in

• sR match to me, 23 cMs



You and s

3rd cousin 2x removed or half 3rd cousin 1x removed | Maternal side

Edit Relationship

R

<1% shared DNA: 23 cM across 1 segments

Connect to tree Message

You and s

Predicted: 3rd cousin 2x removed or half 3rd cousin 1x removed

half, reducing it to 16 cMs

R

- Shared DNA: 23 cM across 1 segments
- Unweighted shared DNA: 23 cM
- Longest segment 23 cM

Ancestry did not split the same 23 cM segment in her son!

Another Timber Example (new match 2/18/2025)

Post-Timber and Pre-Timber



Timber cuts the parent's segment below 20 cMs but not those from the two children. This results in erroneously removing the match from the mother's close matches list!

AR Match 2/18/2025

ProTools

Contains a variety of useful tools

Ancestry® Pro Tools Membership

Take your research to the next level with Ancestry® Pro Tools. This add-on membership gives you access to advanced DNA and family history tools designed to improve your tree's accuracy and showcase the people in your tree like never before.

What's included

Ancestry Pro Tools requires an active <u>Ancestry family history membership</u>. Family history memberships give you access to paid records, other member trees, and some DNA features.

Pro Tools provides access to advanced DNA and family history tools, including:

- Tree checker: Find potential duplicates and possible errors in your tree.
- Smart filters: Search, group, and sort people in your tree using key details beyond names.
- · Charts & reports: Create and share detailed family histories.
- Tree mapper: See where people in your tree lived in relation to one another.
- Tree insights: Discover familial trends and see patterns in your tree.
- Enhanced shared matches: See how much DNA your matches share and their predicted relationships to each other. (Separate DNA kit purchase required to access this feature.)

ProTools -- TreeChecker

• While not a DNA tool it can help a lot to clean up your tree



 It takes a lot of time to go through all these but can help improve your linked tree

Quackenbosch, Pieter	1702 Albany, New York, USA	1772 Niskayuna, Albany, New York, United States
Quackenbush, Pieter Johannese	from 1678 to 1680 Albany, Albany, New York	20 July 1748 Albany, Albany, New York
Lil	ely not a duplicate	
Goode Many	1720	1750

Goode, Mary	1720 Whitby Plantation, Richmond, Virginia, USA	1758 Albermarle, , Virginia, USA
Goode, Mary	1720 Richmond County, Virginia, British Colonial America	1758 Albemarle County, Virginia, British Colonial America
	A likely duplicate	

ProTools – Charts & Reports

- Descendancy chart
 - One of my Mayflower lines
 - Up to 7 generations so I had to break into two reports

Descendancy

1. Peregrine White b: Nov 1620. d: 20 Jul 1704 in Marshfield, Plymouth, Massachusetts, USA; age: 83.	
+ Sarah Bassett b: 1630 in Plymouth, Plymouth, Massachusetts, USA. d: 22 Jan 1711 in Marshfield, Plymouth, Massachusetts, US	SA; age: 81.
2. Silvanus White d: Deceased.	
+ Deborah Church d: Deceased.	
3. William White b: 1683, d: Bef. 3 Oct 1780 in Dartmouth, Bristol, Massachusetts, USA; age: 97.	
+ Elizabeth Cadman, b: Abt, 1684 in Dartmouth, Bristol, Massachusetts, USA, d: Aft, 6 Jan 1768; age: 84	
4 Roger White b 1708 d 17 lun 1802 age 94	
+ Reference Crimell b: 16 Dec 1710 in Little Compton Newport Rhode Island United States d: 17 Jun 1902 in Little C	omptop
Newsort Dead Lead Letter Strategies (1	ompton,
Newport, Knode Island, United States, age: 91.	
5. Hannan White b: 17 Sep 1/34 in Little Compton, Newport, Rhode Island, USA. d: 1766 in New York, USA; age: 3	I.
+ Abraham Utter b: 18 Nov 1/32. d: 5 Jan 1819; age: 86.	
6. Sarah Utter b: 12 Jul 1761 in Stonington, New London, Connecticut, United States. d: 29 Jun 1801; age: 39.	
+ Capt. David Larkin b: November 1751 in Hope Valley, Hopkinton, Kings, British Colonial America, Rhode Isla	nd, USA. d: 11
November 1839 in Hope Valley, Hopkinton, Washington, Rhode Island, USA; age: 88.	
7. Sarah "Sally" Larkin b: 29 Dec 1797 in Hopkinton, Washington, Rhode Island, United States. d: 18 Apr 182	28 in Clarence,
Erie, New York, United States; age: 30.	
+ Aaron Davis b: 22 August 1794 in Rhode Island, United States of America. d: 25 January 1859 in Clinton	County,
Michigan, United States of America; age: 64.	
Generated on February 19th, 2025	
[DNA] Waters' Iree Email:satwatcher.gen@gmail.com	
Aeron Davis	
Descendence	
Descendancy	
1. Aaron Davis b: 22 August 1794 in Rhode Island, United States of America. d: 25 January 1859 in Clinton County, Michigan, United States of	
America; age: 64.	
+ Sarah "Sally" Larkin b: 29 Dec 1797 in Hopkinton, Washington, Rhode Island, United States. d: 18 Apr 1828 in Clarence, Erie, New York, United	
States; age: 30.	
2. Mary Davis b: 5 April 1812 in Rhode Island. d: 8 April 1881 in Wexford, Wexford, Michigan; age: 69.	
+ Ira Gilman Buttler b: 1797 in New York, USA. m: Abt 1834 in New York, USA. d: 15 Sep 1878 in Marcellus, Cass Co., MI, age: 81.	
3. Elizabeth Ann Butler b: Jul 1835 in Rochester NY. d: 30 Sep 1914 in Springville, Wextord, Michigan, USA; age: 79.	
+ Jetterson N Campbell b: Jan 1833 in Michigan. m: 6 Nov 1890 in Charlotte, Eaton, Michigan, USA. d: Deceased.	
+ Nathan G Spencer b: 12 Dec 1829 in Hartland, Windsof, Vermont, USA. d: 20 Apr 18/7 in Battle Creek, Calnoun, Michigan, USA; age:	
4/. 4 Adeline Spaneer braht 1954 in Michigan di Depassed	
4. Ademie Spericer D. abi 1634 in Michigan. G. Decesseu. 4. Culture P. Songer, b. Nav1856 in Waten Mich d: 12. Jan 1928 in Les Angeles Les Angeles California, LISA: age 71	
 A careful a Company by Nov robot in warron, which a no some zoo in robot anygores, careful a Company and the first and the second s Second second sec	
ISA du linggi la 22 opri los anoles Las Anoles California 11SA are 73	
5 Nellie, Julia Spencer, br 24 Ort 1878 in Jackson Jackson Michigan USA dr 30 Sen 1932 in Los Angeles Los Angeles	
California, USA: age: 53.	
+ Eugene Huntley b: May 1846 in Burlington, Chittenden, Vermont, USA, m: 29 Sep 1900 in Cedar Rapids, Linn, Iowa, d: 25 Oct	
1900 in Cedar Rapids, Linn County Iowa, United States of America: age: 54.	
+ Frank Gustav Pohlmann b: 26 Jan 1880 in Waszminker, Germany, m: 23 Mar 1926 in Colorado Springs, Colorado, USA, d: 4 Jan	
1976 in Stanton, Orange, California, USA; age: 95.	
+ Unknown	
6. Mardell Lillian Huntley b: 2 Feb 1908 in Clinton, Clinton, Iowa, USA. d: 28 Aug 2005 in Las Vegas, Clark, Nevada; age: 97.	
+ Charles Noble Craddock b: 16 Apr 1905 in Mount Vernon, Jefferson, Illinois, USA. m: 10 Dec 1931 in Los Angeles, California,	
USA. d: 15 Jan 1983 in Las Vegas, Clark, Nevada, USA; age: 77.	
7. Joan Anita Craddock b: 12 May 1929 in Los Angeles, Los Angeles, California, USA. d: 11 Oct 2015 in Mesa, Maricopa,	
Arizona LISA: age: 96	

+ Richard J Waters b: 22 Dec 1919 in San Francisco, California. m: 7 Sep 1951 in Norfolk, Independent Cities, Virginia, USA. d: 8 Nov 1979 in Petaluma, Sonoma, California, USA; age: 59.

ProTools – Family Group Sheet

Generated on February 19th, 2025

[DNA] Waters Tree Email:satwatcher.gen@gmail.com Richard J Waters

Family Group Sheet Name: Richard J Waters Birth: 22 Dec 1919 in San Francisco, California. Joan Anita Craddock Spouses: Thelma M Greenwood Helen L Bockoven Jeanne Claire Mills Death: 8 Nov 1979 in Petaluma, Sonoma, California, USA; age: 59. Burial: San Rafael, Marin County, California, USA. Father: Joseph John Waters Mother: Caroline Margaret Sylvia Joan Anita Craddock Spouse: Birth: 12 May 1929 in Los Angeles, Los Angeles, California, USA. Marriage: 7 Sep 1951 in Norfolk, Independent Cities, Virginia, USA. Death: 11 Oct 2015 in Mesa, Maricopa, Arizona, USA; age: 86. Charles Noble Craddock Father: Mother: Mardell Lillian Huntley Thelma M Greenwood Spouse: Birth: 14 Apr 1914 in San Francisco, California. Marriage: 4 May 1969 in Monterey, California, USA. 12 March 2005 in Petaluma, Sonoma County, California, United States of America; age: 90. Death: San Rafael, Marin County, California, United States of America. Burial: Lester Errol Greenwood Father: Emily G Battaill Mother: Helen L Bockoven Spouse: Birth: 23 Mar 1914 in Oklahoma. Marriage: Divorce: Apr 1968 in Alameda City, California, USA. Death: Jan 1979; age: 64. Father: George Bockoven Mother: Maude L Bockoven Jeanne Claire Mills Spouse: Birth: 1 Feb 1922 in Portland, Multnomah, Oregon, USA. Death: 12 Dec 1995 in Laguna Hills, Orange, California, USA; age: 73. Father: David Mills Mother: Doris Lucile Desilets Children of Richard J Waters and Joan Anita Craddock: 2

ProTools – TreeMapper



ProTools – Enhanced Shared Matches

- In my opinion, this feature alone makes it worth it to have this subscription
- Provides how much each of your matches shares with other matches in the genetic network

2 2	nd cousin 1x re % shared DNA	moved Mate : 152 cM acro	rnal side ss 8 seg						
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					Trees Origins Shared Matches PRO				
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(P)	Joan Anita Craddock	ŝ	뫟	+	Your: Mother 3,474 cM Maternal side	Michelle 1st cousin 1x removed or half grandaunt 360 cM			
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?		Å	뫟	+	Your: Daughter 3,470 cM Both sides	Michelle 3rd cousin or half 2nd cousin 1x removed 106 cM			
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🕞 Brothe	er.					1 🛃			
			뫟	+	Your: Ist cousin 1x removed 369 cM Maternal side ①	Michelle 2nd cousin 1x removed or 1st cousin 2x removed 184 cM			
🕞 Jim Au	ulc	my grand au	nt Laven	ne Crac	Idock, 369/20.	5 6			
	Leland		2	+	Your: 2nd cousin 309 cM Maternal side	Michelle Uncle 1,624 cM			
🖻 2C, grandson of Stella Mae Craddock my great aunt. 309/15. Sent message 8/26/2018 and 🔋 🔞 🚭									

ProTools – Enhanced Shared Matches

Before I only knew that Michelle and Leland were shared matches to me. I didn't know they were related to each other. With Enhanced Shared Matches I was able to see how they were related to each other and so I could put both in my family tree properly.



- Attempts to build your direct ancestors
- NOTE: this is primarily based on trees --- both yours and your matches
- It can provide hints of how you might be related to your DNA matches



0

Ken Waters

- Important notes:
 - If there are common errors in other people's trees then that will r esult in bad errors in ThruLines --- carefully verify these tips!
 - Many mystery matches will not show up in ThruLines because of weaknesses in links between your tree and others trees (e.g., NPEs, donor conceived, etc.)
 - Some suggested relationships are using very low DNA values (e.g., 8 cMs) – so be careful – they could be valid but use some other verification (traditional genealogy to verify)





ThruLines[®] for Rhoda Gay

Ken Waters



Home > AncestryDNA®

AncestryDNA® ThruLines®

ThruLines® shows you how you may be related to your DNA matches. ThruLines are based on information from family trees they don't change the information in trees. If there's inaccurate information in your tree, you may receive inaccurate ThruLines. Only you and anyone you've invited to view your DNA results can see your ThruLines.

We use the family tree linked to your test to find people who are in your tree and are also in your matches's linked trees. If your tree is private and not searchable, you won't be able to see ThruLines, and information from your matches' trees that are private and not searchable won't be available to you. DNA matches may appear in more than one of your ThruLines.

ThruLines are available for ancestors through 5th great-grandparents. ThruLines won't appear for 6th great-grandparents and beyond.

You must have a public tree (or private but searchable) and have it linked to your DNA kit in order to see any ThruLines.

Search DNA Help Extras

Your DNA Results Summary

DNA Story

DNA Matches

ThruLines®

DNA Surveys

Activate A Test

Buy Another Test

Traits

- Starting with parents
- Goes down to 5th great-grandparents

Elizabeth R. Randolph

5th great-grandmother

1778-1837

In your tree



2nd great-grandfather

2nd great-grandmother

Lemos

2nd great-grandfather

Jose

2nd oreat-orandmothe

Look at quantity (and *quality* of those DNA matches)

Susan Eliza Thurman 2nd great-grandmother 844-1910

18 DNA matches n 9 and 3 474 cM Evaluate relationship paths 2nd great-grandmother

"Mousing" over a name can reveal the number of **DNA** matches Ancestry finds



Be careful: having a lot of DNA matches may simply be because of your close tested matches

You need "breadth" of matches from other matches outside your close family

TIP: Try moving the mouse over each person. When you see lots of matches that is an indication that the person in the tree may be properly placed.

My 3rd Great-grandmother

- This was entered as found from one of my known cousin's tree
- Only a couple of sources with none showing birth surname



Surprise DNA Matches when opening ThruLines



Surprise DNA Matches



Note the breadth of matches from so many siblings! Very good sign of validation

Surprise DNA Matches



What does this mean??

Likely that "Buchannon" is not Elizabeth's actual surname but it may be Saunders/Sanders instead

The large number of DNA matches that descend from the other Saunders siblings seems to indicate this! Need to dig deep: look at public trees of these siblings

Build Q&D trees for this line to look for confirmatory sources

A limitation: These people were all born a few decades before the 1850 census

SideView

• What is SideView?

How SideView[™] Technology Splits Your DNA Results by Parent

When we first read your DNA, we don't know which parts of your DNA came from each parent.

Ancestry® developed a technology called SideView[™] to figure this out using DNA matches. Because a match is usually related to you through only one parent, your matches can help us "organize" the DNA you share with them.

SideView[™] technology powers the DNA inheritance features that show which regions, journeys, matches, and traits you inherited from each parent, even without testing your parents (though we don't know which parent is which).

The ability to divide your DNA into parental sides, one paternal, one maternal

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

Ma	aternal Paternal			You
Select one or more regions to highlight.				
• All • England & Northwestern Europe	• Ireland • Soc	• Portug	gal • Wales • Sw	eden
Detailed comparison Chare			/ Edit parent labels	Give Ar
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Detailed comparison Annual Stare	a percentages of each regent for a region equals yo Maternal 50% 24% 4% 20%	gion you inherited ur percent for that 50% 4% 23% 2%	<pre> Edit parent labels from your parents. region. You 100% 28% 27% 22% </pre>	Give Ar Give your by testing members Give Inherita [] Regi not a <u>Tell r</u>
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Detailed comparison Chare Same data, more detail. This chart shows the Added together, the percents from each pare Region Total: 6 • England & Northwestern Europe • Ireland • Scotland	a percentages of each re- ent for a region equals yo Maternal 50% 24% 4% 20% 0%	gion you inherited ur percent for that 50% 4% 23% 2% 18%	<pre> Edit parent labels from your parents. region. You 100% 28% 27% 22% 18% </pre>	Give Ar Give your by testing members Give Inherita I Regi not a Tell r Their ha C This -not

SideView

- Initially, Ancestry won't know which side is which and so will just label as 'Parent1' and 'Parent2'
- You'll have the ability to declare which is which

The ability to divide your DNA into parental sides, one paternal, one maternal. NOTE: this feature requires an updated account like AncestryDNA Plus or paid membership. This is my SideView showing which side I get different "ethnicity" contributions from



Tips to save



- Wait for the 50% off membership deals that come up once in awhile
 - When they do come up, buy a "gift" membership for yourself setting it to be "gifted" one day after your subscription expires
 - Don't forget to make sure your current subscription does not "auto-renew" by either cancelling it, removing the credit card, or calling Ancestry
 - I've done this the last 3 years and so have only paid \$99 to \$109 for a one-year U.S. subscription --- half price

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Tips to save



- Use one account to manage multiple kits
 - Then, when you upgrade to a membership, ProTools, or AncestryDNA Plus you will only have to pay once for them and they will apply to all your managed kits!
- Look out for specials on ProTools such as reduced subscription for 6 months

NOTE: All of this is always subject to change!

	Cost	Description	I have
DNA Kit	\$0 (beyond cost of kit)	See matches, ethnicity, basic tools	
Membership	\$99-\$300/yr	Ability to search trees, records, etc.	
ProTools	\$5 - \$10/mo	Many useful tools, in particular the shared matches (note: requires a full paid membership to add on)	
AncestryDNA Plus	\$30/6 mo	Basic shared matches (included with membership)	



AncestryDNA Plus™ membership.

AncestryDNA Plus™ is a premium DNA membership that gives you access to helpful tools and new features to make it easier than ever to make continuous discoveries about your family.

> \$29.99 FOR 6 MONTHS* (Effectively \$5 a month)

Questions?



Upcoming Classes/Presentations

Mon, Apr 14, 3 pm Topic: Beginning DNA



Presentations:

http://familytreeaz.com/Presentations



All library classes (highlighted blue) are free to attend and require no registration. Classes are held at the Red Mountain Mesa Public Library at 635 N Power Rd in Mesa (unless otherwise noted above).

Remember---all presentations online

Presentations: <u>http://familytreeaz.com/Presentations</u>



Genealogy Presentations

2023 <u>Identifying Your DNA Matches (Jan 2023)</u>

2022 <u>A Unified Process for DNA Matches (Dec 2022)</u> <u>Intro to DNA (Dec 2022)</u>

DNA Painter Dec 2022 GEDMatch (Trilogy) DNA Relational Diagrams First Look at Ancestry SideView Matching Deep Dive into MyHeritage DNA Oct 2022 What Can DNA Do For You Sep 2022 New Match Methodology 2022 GEDMatch Apr 2022 Handout

DNA Tips & Tricks

Intro to DNA (Mar 2022)





Presentations: http://familytreeaz.com/Presentations



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