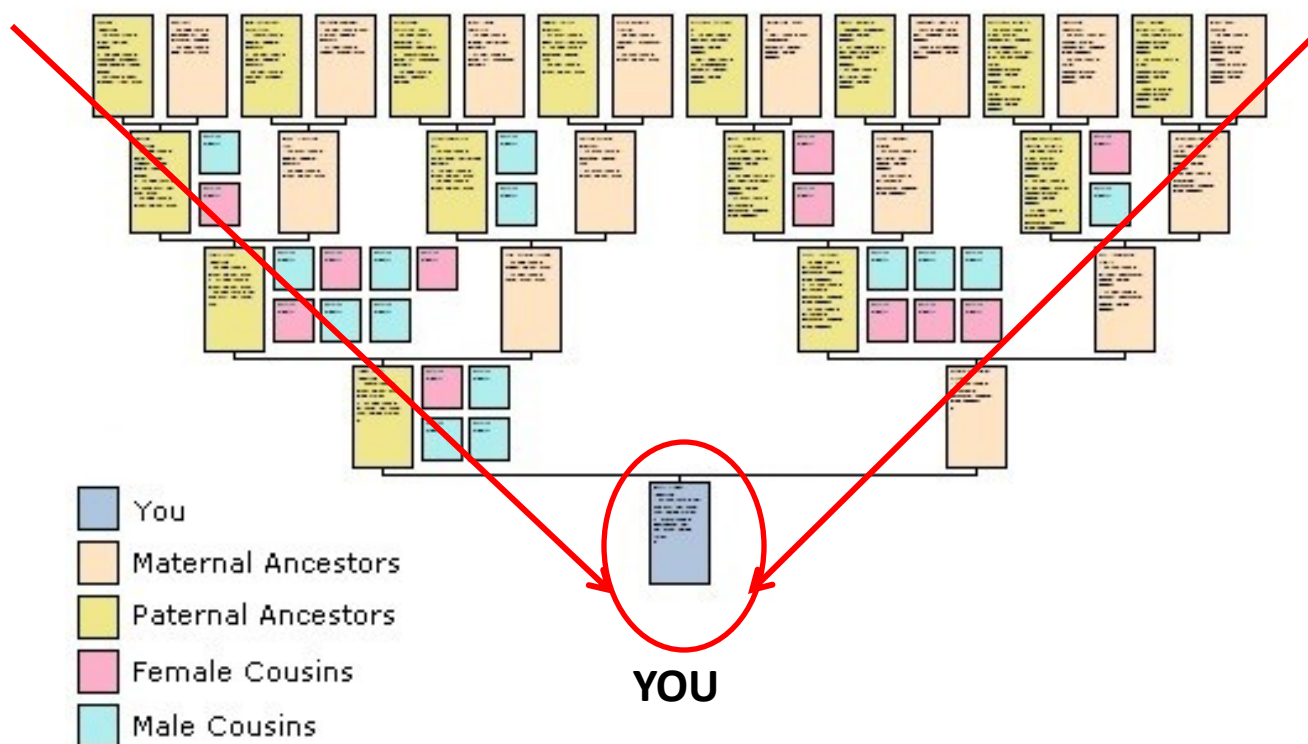




S. C. Computer / Genealogy Class SIG
Thursday, January 8, 2015, 10:00 a.m.
Karen Ristic

Frequently Asked Questions About Ancestry's Autosomal DNA (atDNA)





FAQ About atDNA

1. What is DNA and Why Should I Care?

2. What is Ancestry Autosomal DNA?

3. How Is It Different from Y-DNA & MtDNA

4. How Do I Inherit AtDNA

5. What Will My Test Results Tell Me?

6. What About My Ethnicity?

7. How Do I Get An Ancestry DNA Test?

For more information:

<http://c.mfcreative.com/email/newsletters/amu/2013/1113/AncestryDNA101.pdf>

http://help.ancestry.com/app/answers/detail/a_id/5442/kw/What%20should%20I%20know%20about%20AncestryDNA

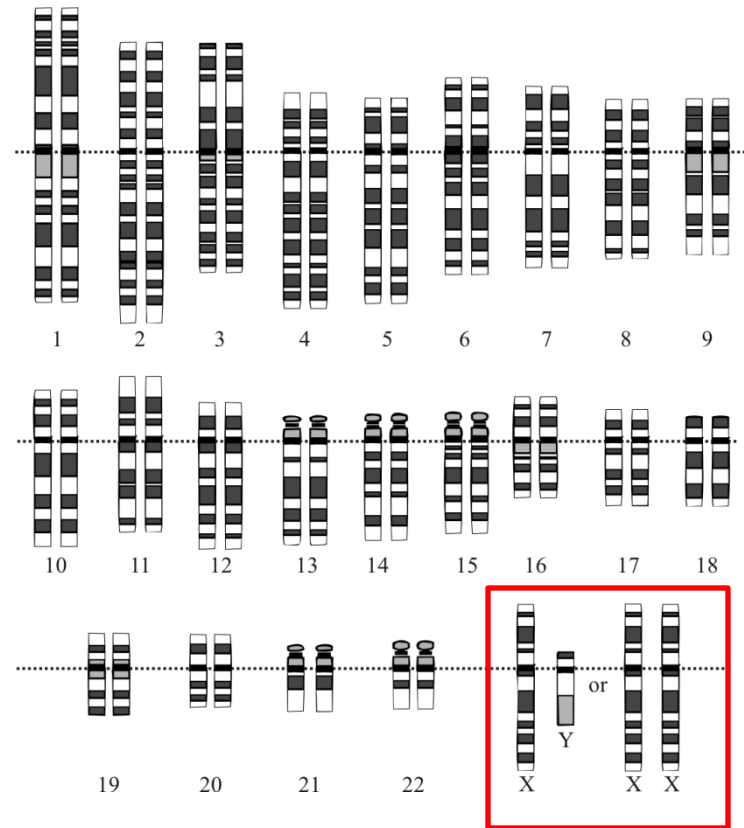
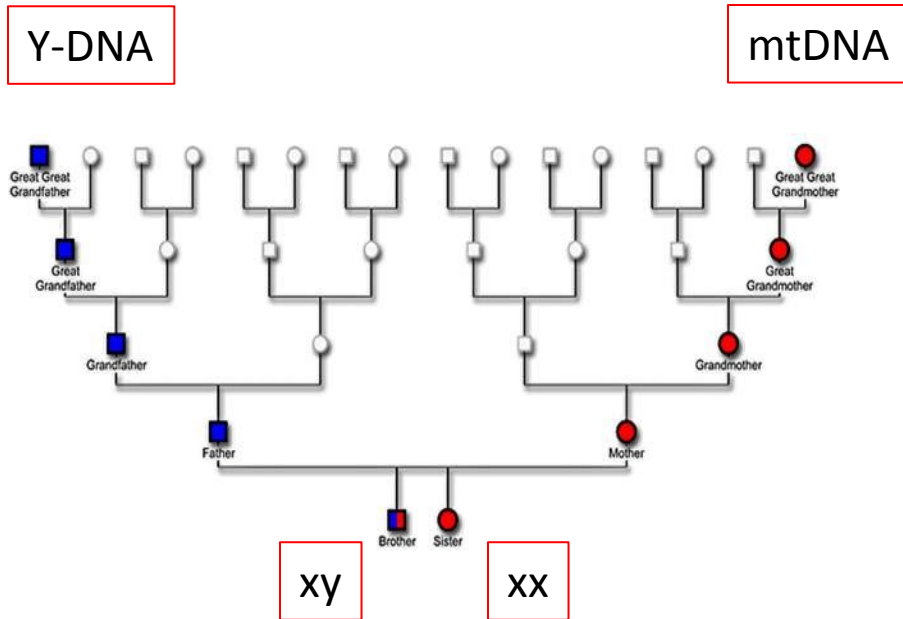


Goal of atDNA

- The goal of using atDNA is to connect with distant cousins and use what they know about their family tree to break through the brick wall(s) of ours.
- Ancestry takes our DNA results and compares them to others (right now, about a million people). A match is someone who has an identical segment of DNA compared to you.
- Once a novelty, genetic genealogy is now a full-blown industry and legitimate genealogy research tool.

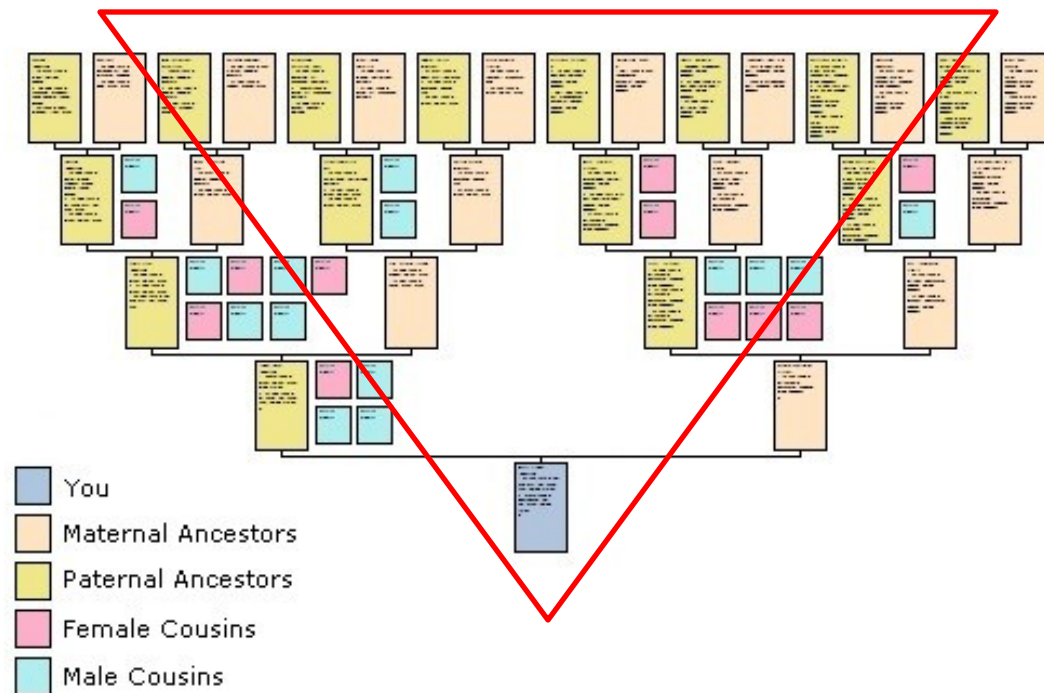
A phylogenetic tree showing the relationships between various species of the genus *Culex*. The tree is rooted at the bottom and branches outwards. The species names are listed at the tips of the branches. The tree is labeled with "1. W" at the top and "DNA in the m" at the bottom.

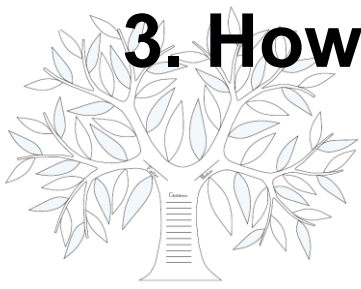
DNA is the molecule that contains each cell's genetic code, organized into 23 pairs of chromosomes. Genetic genealogy tests analyze your Y-DNA, mtDNA, or autosomal DNA. DNA is found in every human cell with the exception of red blood cells. Test results can be used to provide evidence that two individuals are closely related or not closely related.



2. What is Ancestry Autosomal DNA?

- We all have DNA. It's the genetic code that tells your body how to build you. You inherit half of your DNA from each parent: 50% from Mom and 50% from Dad, though exactly which DNA gets passed down is random. Because they inherited their DNA in the same way from their parents, your DNA is made up of pieces of DNA passed down from your ancestors going back generations.

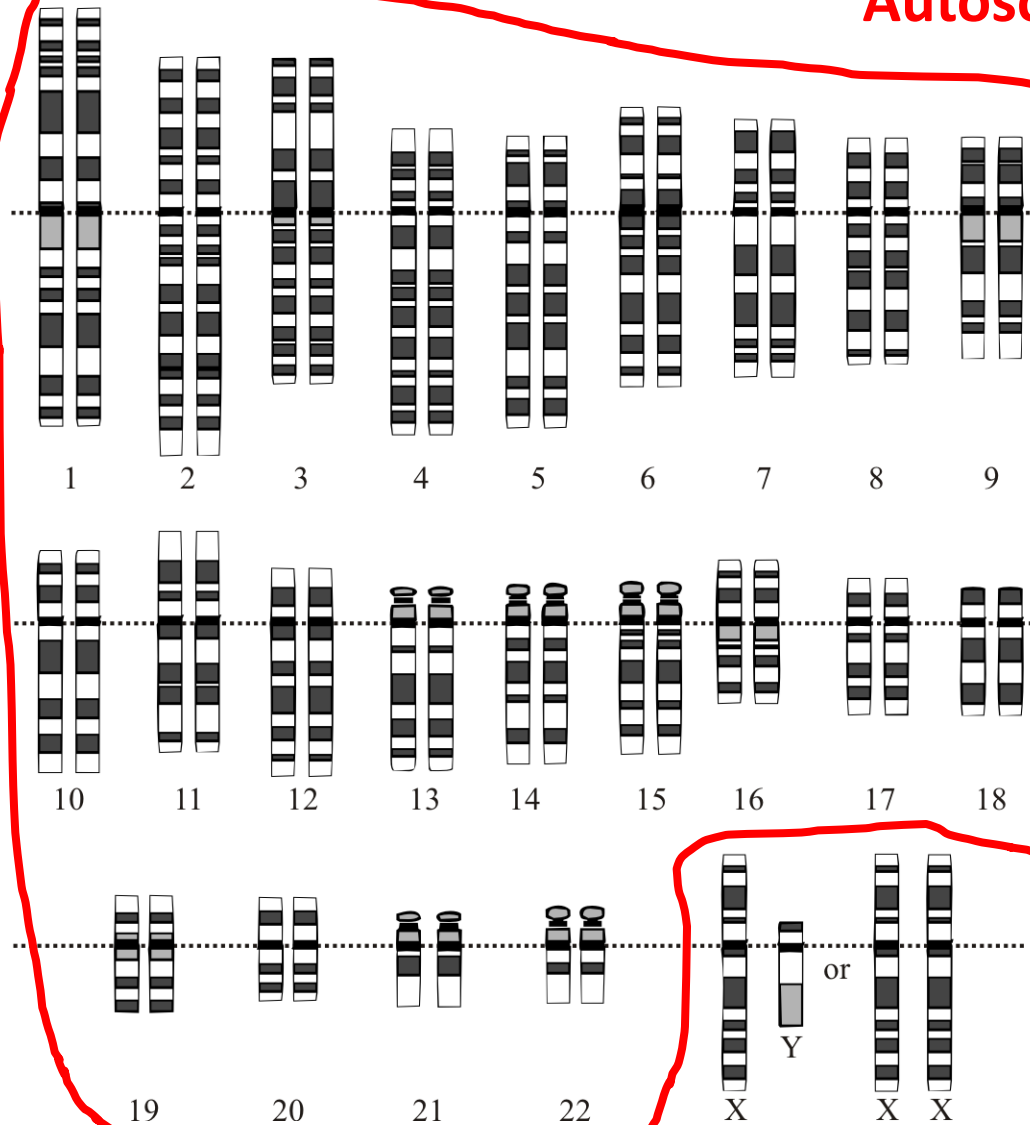




3. How is it Different from Y-DNA and MtDNA?

Autosomal DNA

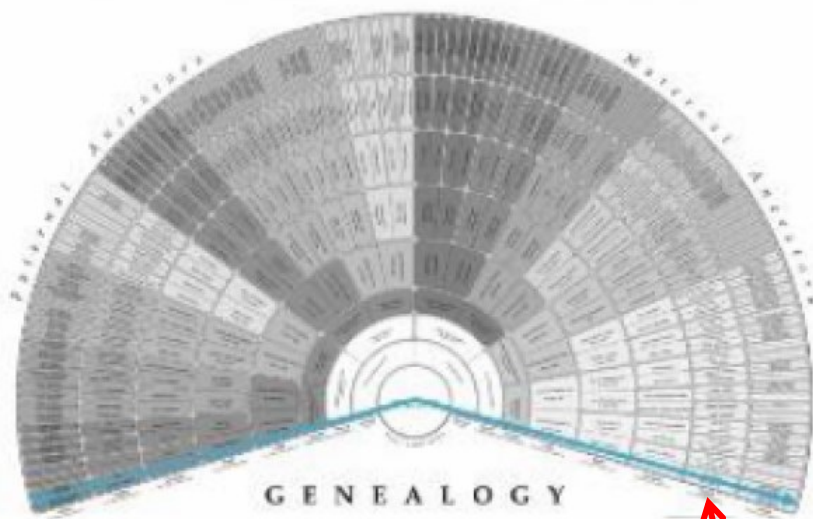
700,000 locations





Another Look at the Difference

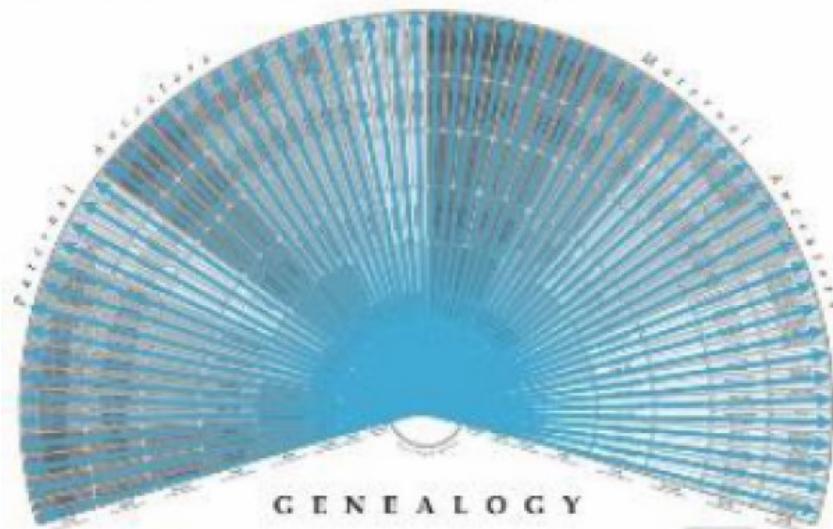
Y chromosome & Mitochondrial chromosome



Y-DNA

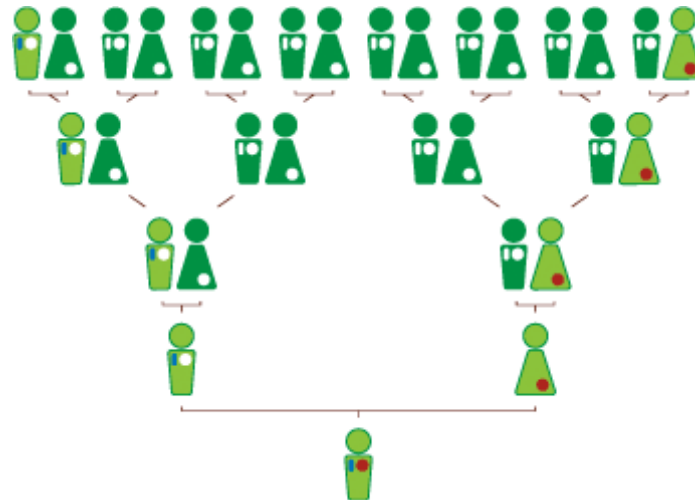
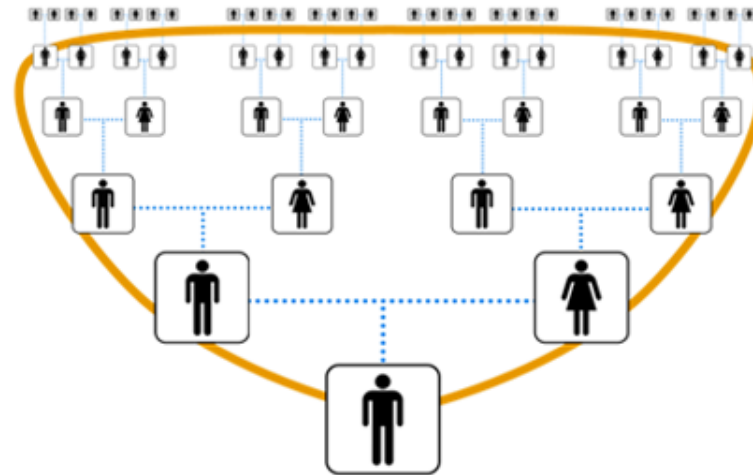
MtDNA

Autosomal DNA Testing - AncestryDNA





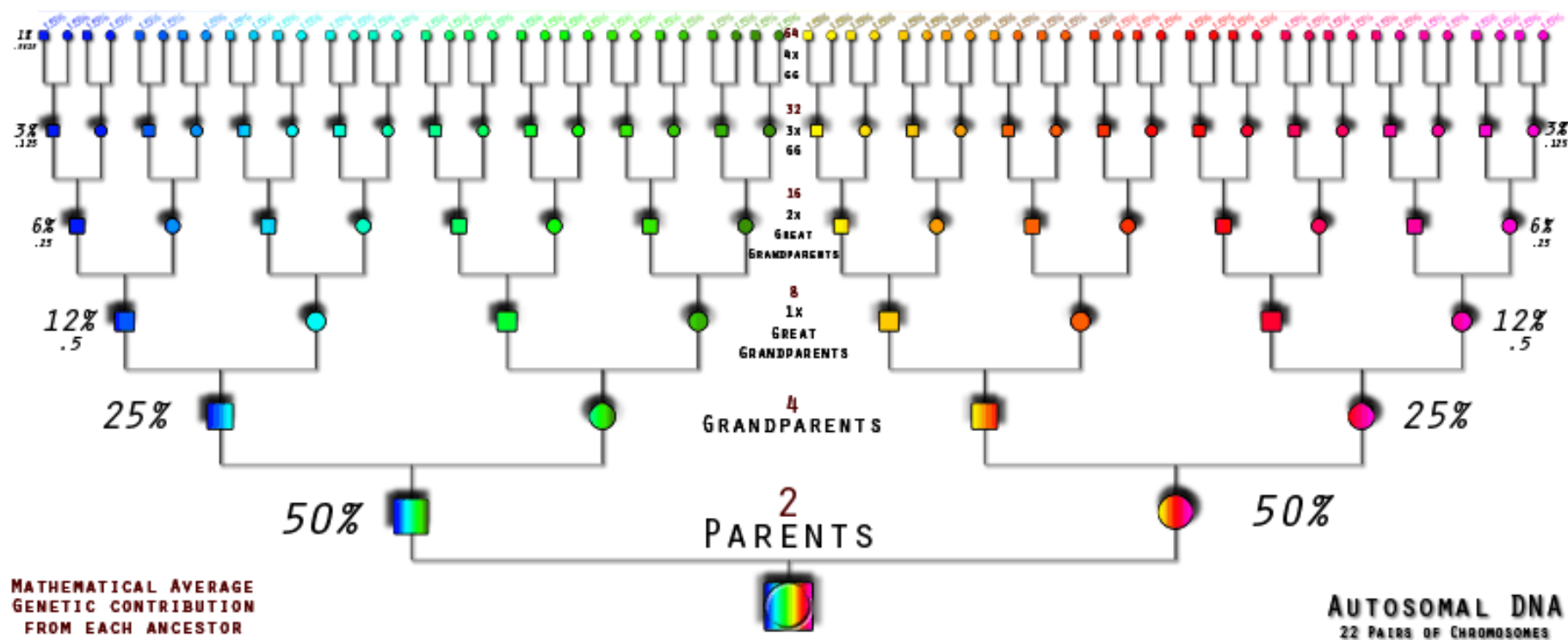
Still Another Look at the Different Tests

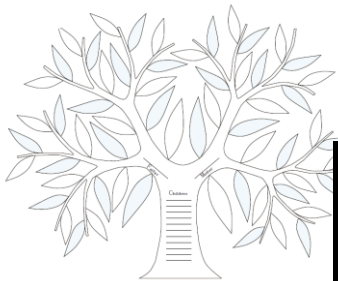


The AncestrybyDNA™ test provides information about your ancestors who are not in your direct maternal and paternal lines. In the illustration, this is represented by all the figures, shaded in light green or dark green. In contrast, other ancestry tests, such as the maternal and paternal lineage tests, only trace one direct line on either side (represented by the figures shaded in light green).

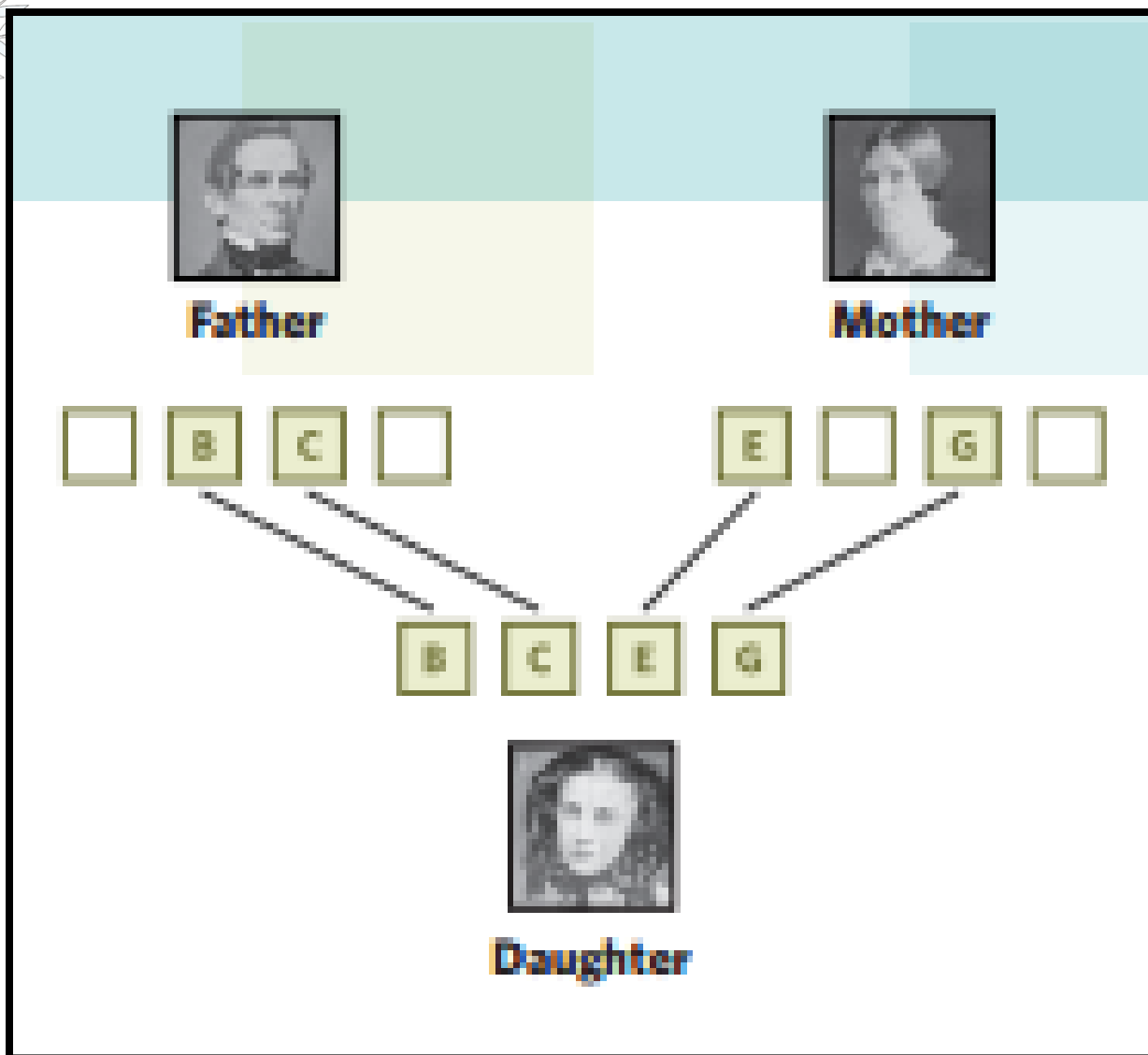


4. How Do I Inherit Autosomal DNA (atDNA)?





Autosomal DNA Inheritance



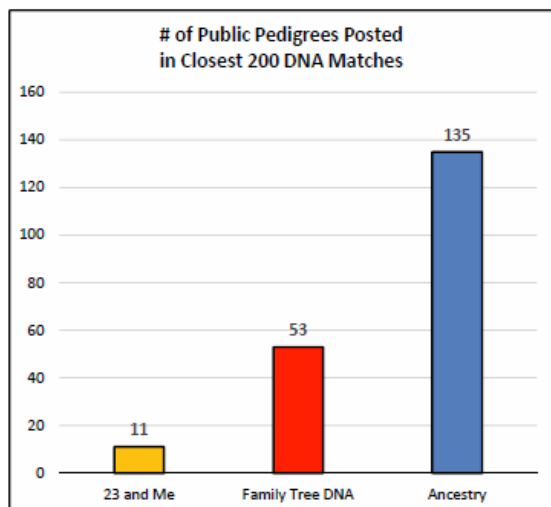


The Three Autosomal Testing Companies

Dixie Hansen's Anecdotal Cousin-Finding Experience with 3 Major Autosomal DNA Testing Services

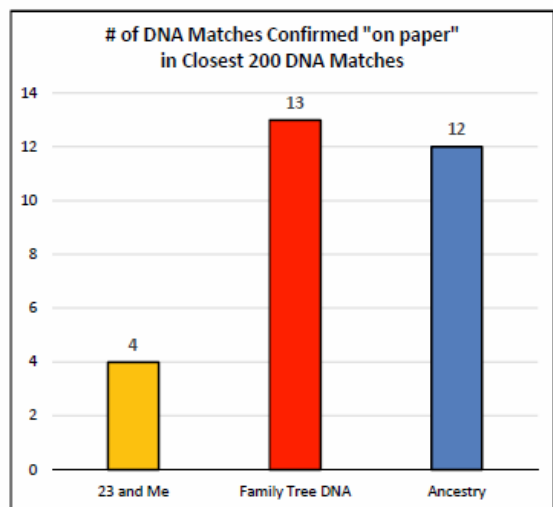
23 And Me			
Estimated Relationship	DNA Matches	Confirmed Matches	Pedigree Posted
Close	1	1	0
2nd-3rd Cousin	3	3	2
3rd-4th Cousin	5	0	1
3rd-5th Cousin	33	0	0
3rd-6th Cousin	158	0	8
Total	200	4	11
Percentage		2.0%	5.5%

Total DNA Matches	998
Total Paper DNA w/ Paper Matches	4



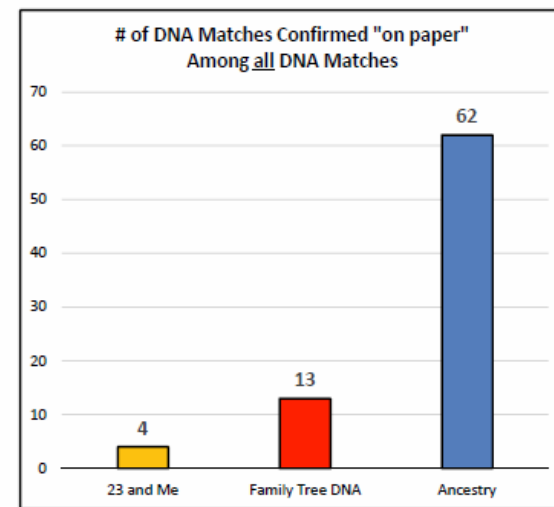
Family Tree DNA			
Estimated Relationship	DNA Matches	Confirmed Matches	Pedigree Posted
Close	3	3	3
1st-3rd Cousin	1	1	0
2nd-4th Cousin	21	4	7
3rd-5th Cousin	83	4	23
4th/5th-Remote Cousin	92	1	20
Total	200	13	53
Percentage		6.5%	26.5%

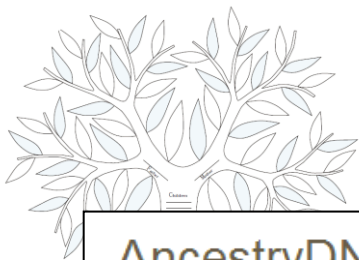
Total DNA Matches	525
Total Paper DNA w/ Paper Matches	13



Ancestry			
Estimated Relationship	DNA Matches	Confirmed Matches	Pedigree Posted
Close & Immediate	2	2	2
1st/2nd-3rd Cousin	3	3	3
3rd-4th Cousin	1	0	1
4th - 6th Cousin	77	6	55
5th - 8th Cousin	117	1	74
Total	200	12	135
Percentage		6.0%	67.5%

Total DNA Matches	11,522
Total Paper DNA w/ Paper Matches	62






5. What Will My Test Results Tell Me?

AncestryDNA



View order history

Activate a test



Karen Ristic

This test is shown to matches as K. R.

 Linked to Private  SETTINGS

Scan

Resume Scan


Retry Skipped Matches

Download Matches

Download Ancestors of Matches

2

Ethnicity estimate



Regions:

■ 58% Europe West

■ 28% Europe East

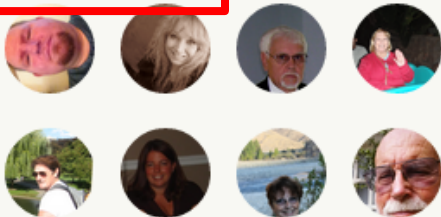
■ 4% Finland/Northwest Russia

+ 4 Other regions




See full ethnicity estimate

1

DNA matches



Quick Links:

-  0 Shared ancestor hints
-  Starred matches
-  37 4th cousins or closer

View All DNA matches

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01/08/15

13

“Matches”

AncestryDNA home > Member Matches

AncestryDNA Results for Karen Ristic

Name

☐ Exact

Search

☒ Users (this test) ☐ Users (any test) ☐ Surnames (this test) ☐ Notes (this test)

Filters

Search matches

Search by birth location

Search

Cancel

☐ Include similar surnames

Filters

Hints

New

Starred

6

Search matches

Sort by: Relationship | Date

< 1 of 34 >

CLOSE FAMILY



iflanagan17

Possible range: Close family - 1st cousins

Confidence: Extremely High

Last logged in Jul 9, 2014

4

5

30 people

View match

7

8

3RD COUSIN



Awala0644

Possible range: 3rd - 4th cousins

Confidence: Extremely High

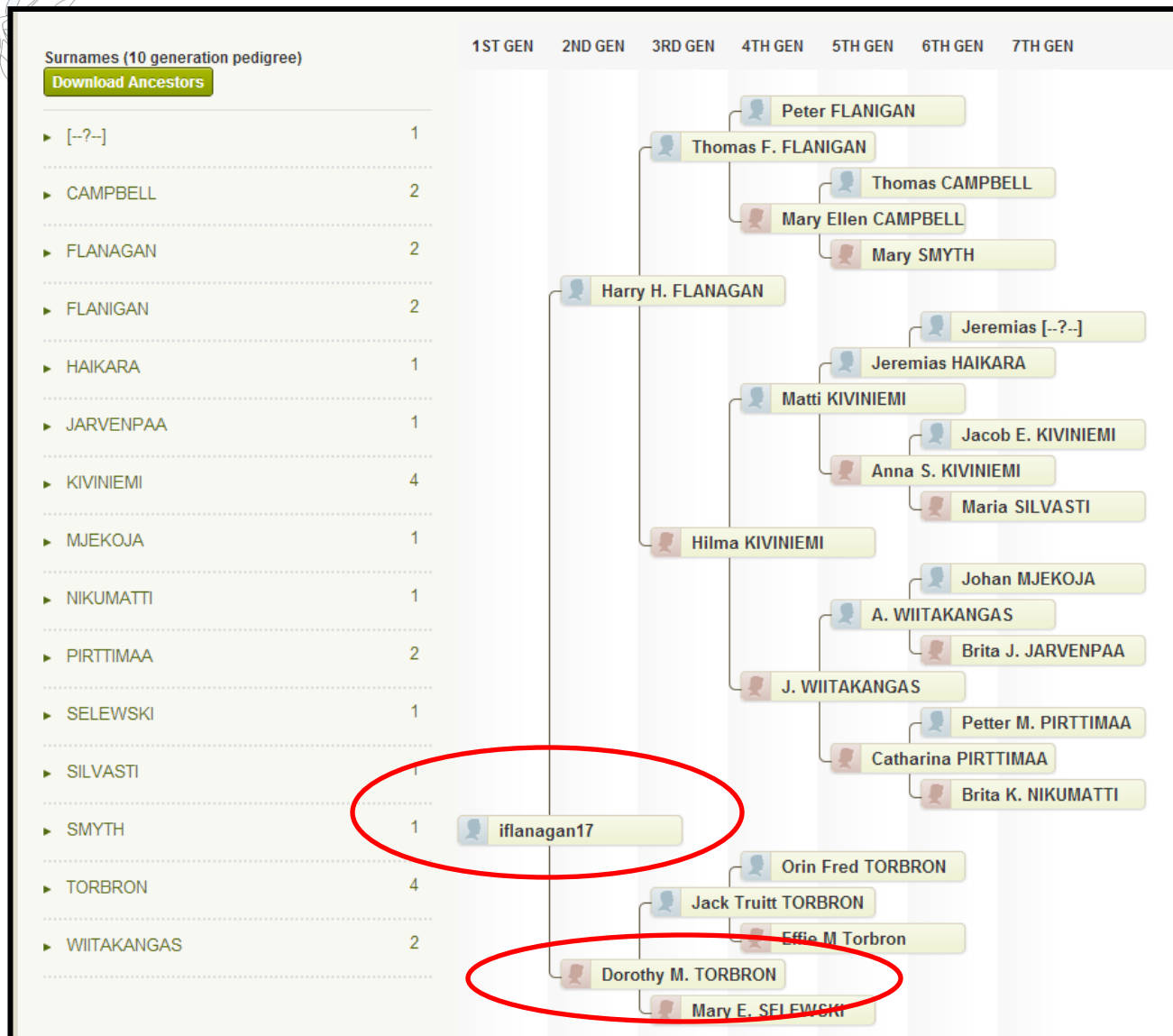
Last logged in Nov 27, 2014

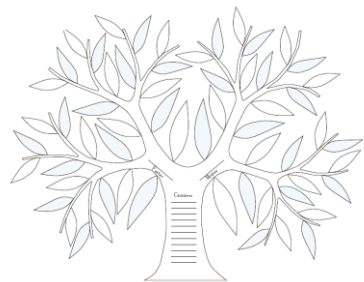
25 people

View match



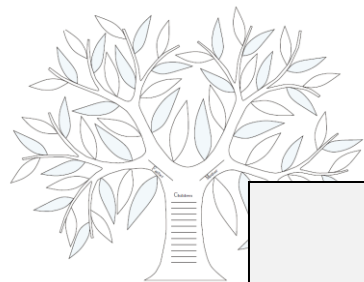
View Match



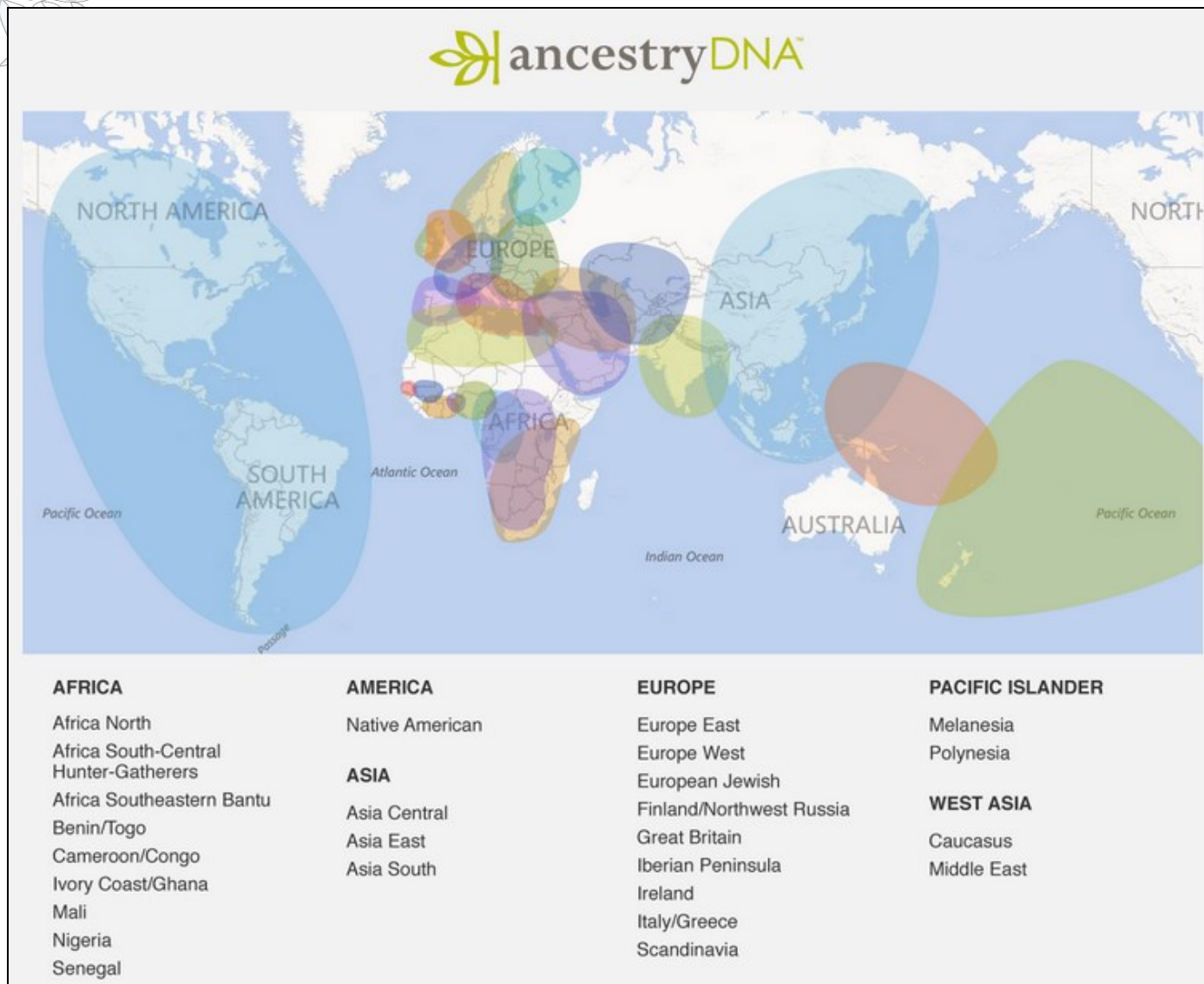


Potential Matches

<u>Generations</u>	Relationship	Possible People	Identified People in Karen's Tree
1	Me	1	1
2	 Parents	2	2
3	Grandparents	4	4
4	Great Grandparents	8	6
5	2nd Great Grandparents	16	8
6	3rd Great Grandparents	32	28
7	4th Great Grandparents	64	44
8	5th Great Grandparents	128	78
9	6th Great Grandparents	256	125
10	7th Great Grandparents	512	56
	TOTAL	1,023	352

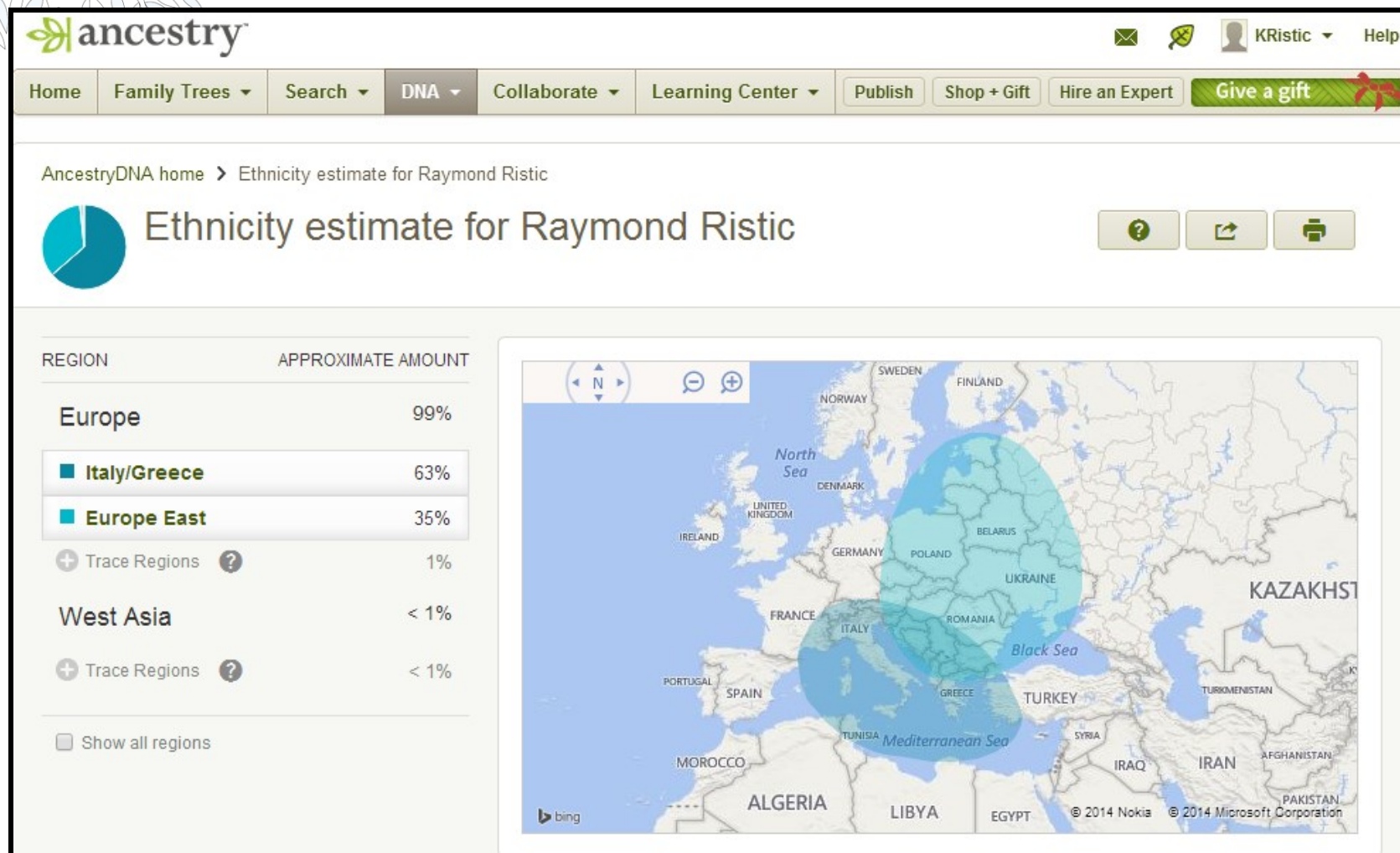


6. How Can Ancestry DNA Estimate My Ethnicity?





What About My Ethnicity?





6. How Do I Get An Ancestry DNA test?

- **How do I get an AncestryDNA test?**
 - To order a test, go to **www.ancestrydna.com** and click the **Get Ancestry DNA button**. Then follow the simple steps to order your AncestryDNA test.
- **How do I take the test?**
- All you need for an AncestryDNA test is a small saliva sample. Your test kit will arrive in the mail with everything you need, including a prepaid mailer to return your sample to our lab. The test has three easy steps:
 - **1. Activate your test online**
 - **2. Collect your DNA sample.**
 - **3. Mail in your sample.**