




24,000 DNA Matches—Now What?

[Activate a Test](#)[View Another Test](#)[Settings](#)



Hello, David

This test is shown to matches as David Duncan  Linked to David Duncan




AncestryDNA® Traits

Now with new fitness traits and more nutrient traits

Traits await you, from how genetics influence your heart rate recovery after exercise to whether you sneeze in bright sunlight. See what else there is to learn about yourself—inside and out.

[Explore your traits](#)

Origins




Ethnicity Estimate

- 46% Scotland
- 23% Sweden & Denmark
- 6 Other regions

Discover the places, history, and cultures that shaped who you are today—using just your DNA.

[Discover Your Origins](#)

DNA Matches




★ 0 Starred matches

👤 420 4th cousins or closer

[View DNA Matches](#)


ThruLines®



ThruLines uses Ancestry trees to suggest how you may be related to your DNA matches through common ancestors.

[Explore ThruLines](#)

My first test was a gift—23andMe.

23andMe

HOMEANCESTRYHEALTH & TRAITSRESEARCHFAMILY & FRIENDS

Buy kits

Q🔔DD

ListFamily TreeMapFrequently Asked Questions

Edit profile

DNA Relatives

Get started with your predicted relationships, then connect and message to learn more.

We have temporarily disabled some features within the DNA Relatives tool as an additional precaution to protect your privacy. [Read more here.](#)

Filters

Showing 5000 of 5000 relatives

Sort byStrength of Relationship

Search keywords

Name, location, notes

Reset

JD

Son

47.46% DNA shared, 22 segments

Connected

GC

1st Cousin

10.34% DNA shared, 28 segments

Notifications

Frustration Central!!

- 23andMe does not host user trees.
- My match list was overwhelming.
- How do these relatives connect to me?
- Saw value so I tested elsewhere.

I have how many matches??


David Duncan's DNA Matches

[View Duncan Family Tree](#)

All matches [By parent](#) [By ancestor](#) [By location](#)

Filter by: [Unviewed](#) [Common ancestors](#) [Notes](#) [Trees](#) [Shared DNA](#) [Groups](#) [Search](#) | [Sort](#)


Full Sibling



Sister
2,694 cM | 48% - 55% shared DNA
Both sides


MRCA Burton Thomas Duncan, Jr = Audrie Vera Siddells

Close Family



Niece
1,647 cM | 24% shared DNA
Both sides

1st cousin
922 cM | 13% shared DNA
Paternal side



1st cousin
922 cM | 13% shared DNA
Paternal side

Public linked tree
4 People

[View in tree](#)
[View match](#)

[View in tree](#)
[View match](#)

[View in tree](#)
[View match](#)

☒ All matches (17,062)

☐ Close matches—4th cousin or closer (420)
20 - 3,490 shared centimorgans

☐ Distant matches (16,642)
6 - 20 shared centimorgans


☐ Custom centimorgan range

-
Min of 6 cM Max of 3,490 cM

[Reset](#) [Apply](#)

4

Have you DNA tested at multiple companies?

 LivingDNA

Ancestry

Dashboard

Recent Ancestry

Motherline

Fatherline

Family Matching

Wellbeing

Viking

Neanderthal

Classical New feature


Store

Relatives List

Messaging centre

Matchbox

Multiview browser

 David Duncan


David's DNA relatives

Search by initials or display name

Per page 10

Sort by Genetic distance

David's 7th degree matches



Very active

DNA Owner


2nd - 4th cousin

0.88% DNA shared (63.60cM)

5 shared segments

15 shared matches

Add to matchbox



Less active

DNA Owner

2nd - 4th cousin


0.64% DNA shared (46.30cM)

4 shared segments

4 shared matches

Add to matchbox

David's 8th degree matches



Less active

DNA Owner

3rd - 5th cousin

0.67% DNA shared (48.30cM)

2 shared segments

2 shared matches

Add to matchbox

5

Surprises? What you wanted to know?

- I learned a whole lot more than I thought I would.
- My traditional genealogy had holes.
- Surprise: a first cousin once removed I knew nothing about.
- I could see some matches shared the same common matches.
- These clusters showed I was connected to family groups I didn't know about and were not apparent in my paper trail.

Testing Companies are not Equal

<u>Company</u>	<u>Estimated Number of DNA tests as of May 2023</u>
Ancestry	23.0 Million
23andMe	13.8 Million
MyHeritage	7.0 Million
Family Tree DNA	1.5 Million
Living DNA	1.5 Million
GedMatch	1.5 Million

23andMe VS MyHeritage

Both Kits run on MyHeritage DNA Database

Metric	MyHeritage Kit	23andMe Kit	Difference
Close DNA Matches	20	20	0
Total DNA Matches	12,134	11,912	-222
AutoCluster Matches	97	103	6

**Stanley**

Age: 80's

DNA managed by Michelle Butson

[Contact Michelle](#)

Probable relationship

Parent's 1st cousin

DNA Match quality ?

Shared DNA: 4.9% (347.7 cM)

Shared segments: 19

Largest segment: 74.4 cM

NEW

[Review DNA Match](#)[View tree](#)

Appears in a family tree with 7 people, managed by Michelle Butson from New Zealand

**alana**

Age: 50's

From: Australia 🇦🇺

[Contact alana](#)

Probable relationship

2nd cousin's daughter

DNA Match quality ?

Shared DNA: 2.8% (197.6 cM)

Shared segments: 9

Largest segment: 62.7 cM

NEW

[Review DNA Match](#)[View tree](#)

Appears in a family tree with 3 people that she manages

**Mait**

Age: 70's

From: Sweden 🇸🇪

[Contact Mait](#)

Probable relationship

2nd cousin

DNA Match quality ?

Shared DNA: 2.6% (184.3 cM)







Shared segments: 6

Largest segment: 61.8 cM

NEW

[Review DNA Match](#)[View tree](#)

Appears in a family tree with 7 people that she manages

<input type="checkbox"/> ☆ 💬	 <div>Mait [REDACTED] Age: 70's From: Sweden 🇸🇪 Contact Mait</div>	Probable relationship <u>2nd cousin</u>	DNA Match quality ? Shared DNA: 2.6% (183.9 cM) Shared segments: 6 Largest segment: 61.8 cM	Review DNA Match View tree
 Appears in a family tree with 7 people that she manages				
<input type="checkbox"/> ☆ 💬	 <div>Amy [REDACTED] Age: 30's From: New Zealand 🇳🇿 Contact Amy</div>	Estimated relationships <u>2nd cousin's daughter, 3rd cousin's daughter</u>	DNA Match quality ? Shared DNA: 1.2% (83.8 cM) Shared segments: 3 Largest segment: 57.9 cM	Review DNA Match View tree
 Appears in a family tree with 1,024 people that she manages				
<input type="checkbox"/> ☆ 💬	 <div>Stanley [REDACTED] Age: 80's DNA managed by Michelle Butson Contact Michelle</div>	Probable relationship <u>Parent's 1st cousin</u>	DNA Match quality ? Shared DNA: 4.7% (329.7 cM) Shared segments: 20 Largest segment: 56.8 cM	Review DNA Match View tree
 Appears in a family tree with 7 people, managed by Michelle Butson from New Zealand				

Comparing 23andMe vs MyHeritage Kits

- Top three matches sorted by DNA segment length were not the same.
- Top DNA Segment length for each person not always the same.
- Number of shared DNA segments by match not the same.
- Total DNA shared not the same.
- Takeaway: There are differences but they are small.

MyHeritage

Review DNA Match



David Duncan
This is you
From: USA 🇺🇸
KIT: 23-DA1268



alana [redacted]
Age: 50's
From: Australia 🇦🇺



Appears in a family tree with 3 people that she manages. [view tree](#)

Contact

Probable relationship

2nd cousin's daughter

DNA Match quality ⓘ

2.7% (189.0 cM)
Shared DNA

11

Shared segments

40 cM
Largest segment

VS

Ancestry



AR

You and Alana [redacted]



2nd cousin 1x removed | Maternal side

3% shared DNA: 190 cM across 10 segments

[View in tree](#)

[Message](#)

[Edit Relationship](#)



[Add to group](#)



[Add note](#)

Alana: Ancestry versus MyHeritage

- “Most likely relationship” the same.
- DNA match in cM similar but not the same. 190 vs 189 cM.
- Number of matching DNA segments different. 10 vs 11.
- Longest DNA segment different: 45 cM Ancestry, 40 cM MyHeritage.
- Results are similar but not identical.

You can upload Ancestry, 23andMe, and
Family Tree DNA results to MyHeritage. Free.
Do it!!!

Uploading your DNA results from one company to another.

The **North of Ireland Family History Society** has a comprehensive instruction set for transferring your DNA results from **any** company to another here: <https://www.nifhs.org/dna/uploading-your-dna/>

Diahan Southard covers DNA uploads from Ancestry to other DNA testing companies here:
<https://www.yourdnaguide.com/transferring>

MyHeritage's page on how to upload your DNA results to MyHeritage:
<https://education.myheritage.com/article/how-to-upload-your-dna-data-to-myheritage/#:~:text=Go%20to%20www.myheritage.com,%2C%20then%20click%20%E2%80%9CUpload.%E2%80%9D>

Why upload to another DNA company?

- Gain access to more DNA matches.
- Gain access to more Family Trees.
- Gain access to a different suite of DNA tools.
- Gain ability to combine tools from different companies to extend results.

Disclaimer

- My Cousin Method relies on the DNA data of living people.
- So there are privacy issues in sharing your DNA work employing that data with others.
- You need to 'vet' each DNA match you put into the 'Cousin Method' template so that all the DNA matches in a group share the same ancestral pair. Hint: in Ancestry you can use the DNA-match-linked-to-tree designation to mark this.

The 'Cousin Method'.

Groups your target DNA matches by how they are related to you and each other.

For new matches, determines the MRCA—Most Recent Common Ancestor Couple.

You enter the target DNA match into the correct MRCA bucket in the template.

As you progress, the template more accurately defines where a new match fits.

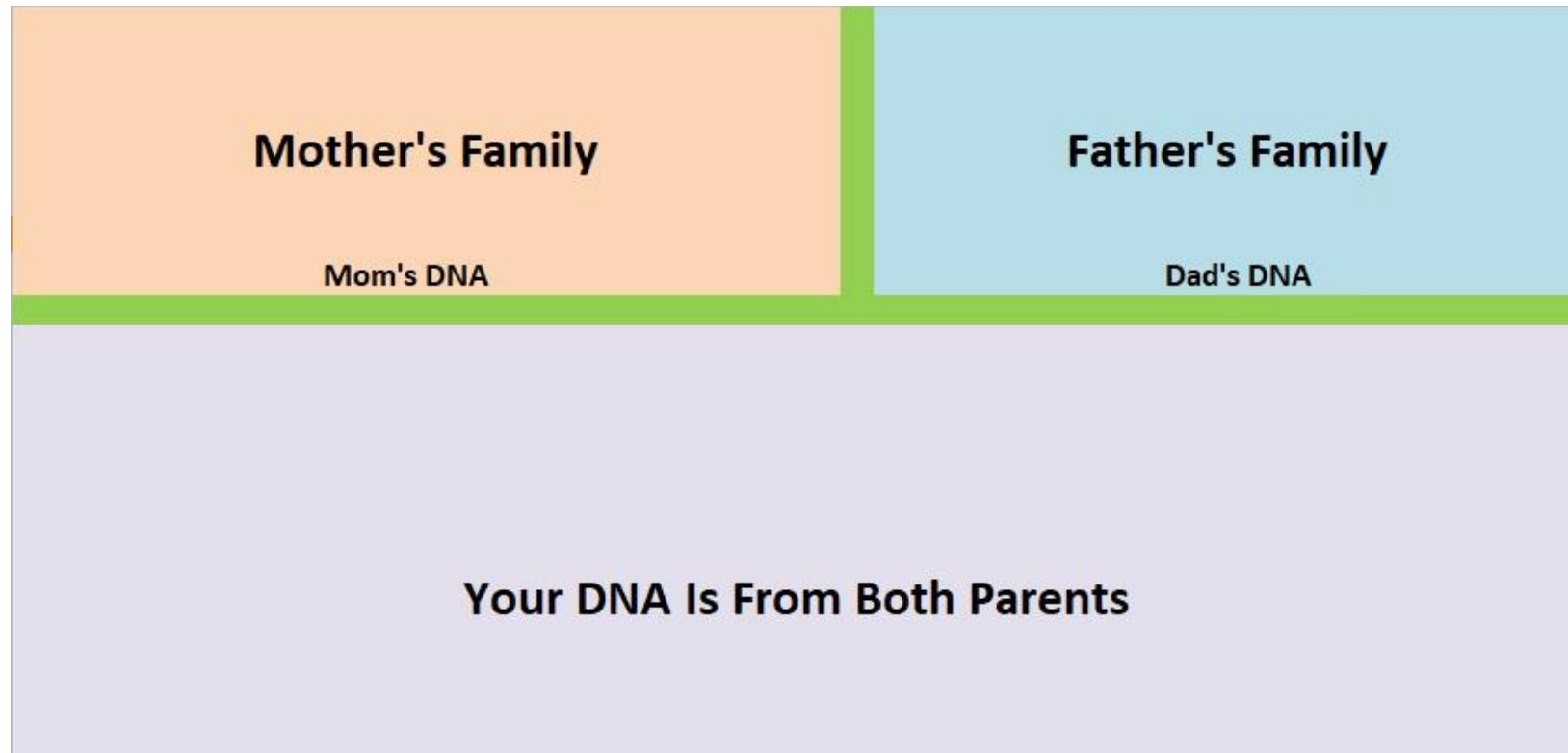
Your First Cousins tell if your DNA match is on your Mother or Father's side.

Your Second Cousins tell if your DNA match is on that parent's Mother or Father's side.

Your Third Cousins tell if your DNA match is on that grand parent's Mother or Father's side.

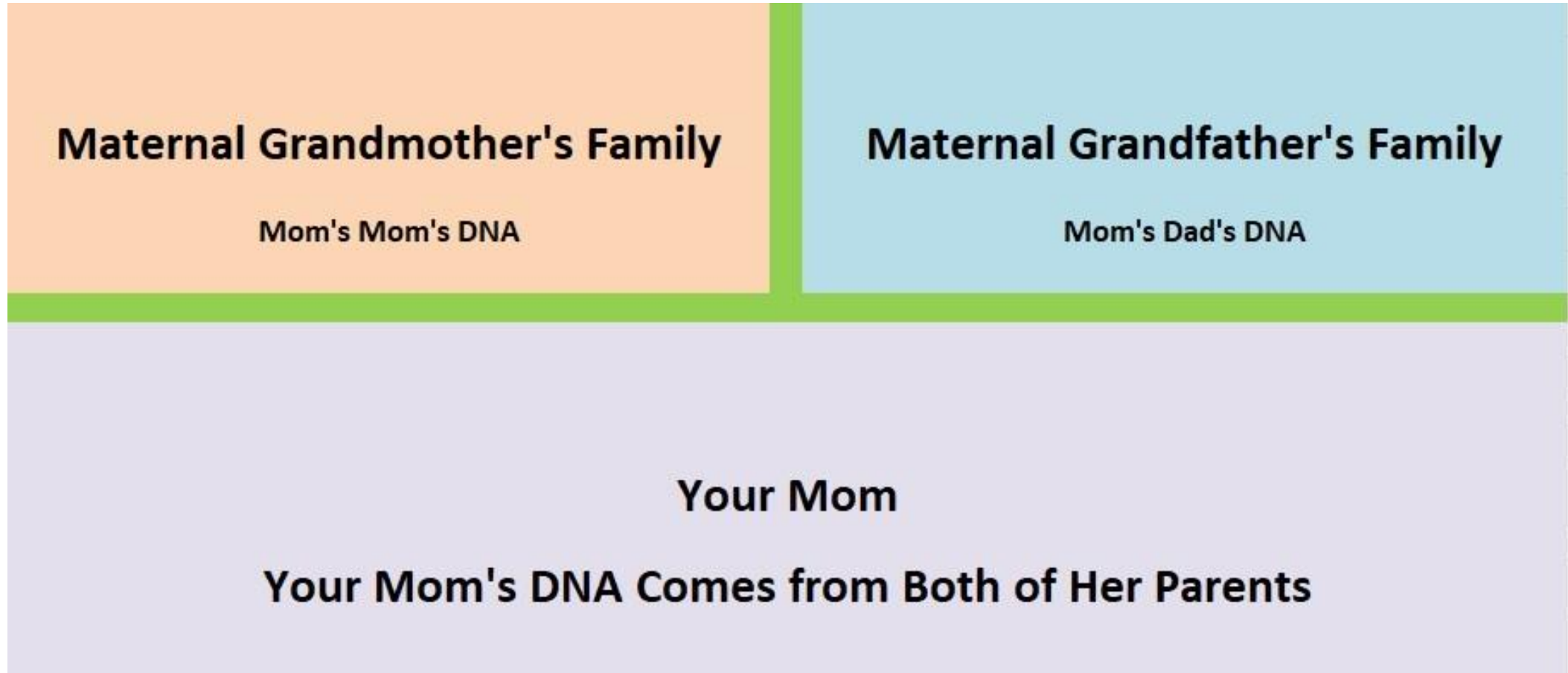
And so on.

Your DNA Match List Can be Divided into Three Groups. Always.



Three Groups: Mom's, Dad's, Both Mom & Dad's.

What If Your Mom has DNA Tested?



Three Groups: Mom's Mom, Mom's Dad, Both Mom's Mom & Mom's Dad.
Your Mom's 'Both' Group is the same as your 'Mother's Family'.

Combining Generations: The Cousin Template

Mom's Mom's Mom	Mom's Mom's Dad	Mom's Dad's Mom	Mom's Dad's Dad	Dad's Mom's Mom	Dad's Mom's Dad	Dad's Dad's Mom	Dad's Dad's Dad	Great Grands
Great Grandmother	Great Grandfather	Great Grandmother	Great Grandfather	Great Grandmother	Great Grandfather	Great Grandmother	Great Grandfather	Three Gens Up
							His Sibs, 2nd Grt Aunt/Un	Three Gens Up
							Their kids, your 1C2R's	Two Gens Up
							Their grandkids, 2C1R's	One Gen Up
							Third cousins	Same Gen
Mother's Mother		Mother's Father		Father's Mother		Father's Father		Grand Parents
Maternal Grandmother		Maternal Grandfather		Paternal Grandmother		Paternal Grandfather		Two Gens Up
Her Sibs, your Great Aunts and Uncles		His Sibs, your Great Aunts and Uncles		Her Sibs, your Great Aunts and Uncles		His Sibs, your Great Aunts and Uncles		Two Gens Up
Their children; your 1C1R's		Their children; your 1C1R's		Their children; your 1C1R's		Their children; your 1C1R's		One Gen Up
Their grandchildren, your 2C's		Their grandchildren, your 2C's		Their grandchildren, your 2C's		Their grandchildren, your 2C's		Same Gen
Mother's Side				Father's Side				Parents
Mother				Father				One Gen Up
Mother's Sibs = Your Maternal Aunts and Uncles				Father's Sibs = Your Paternal Aunts and Uncles				One Gen Up
Maternal First Cousins				Paternal First Cousins				Same Gen
Children of Maternal First Cousins				Children of Paternal First Cousins				One Gen Down
Both Parents								
								Same Gen
								One Gen Down
								Two Gens Down
								20

How to ID the MRCA of a DNA target match.

- Note which of your first cousins are on the target's match list. Your target match is on your Mom's side if **all** 1C's are maternal 1C's.
- Note which second cousins are on the target's match list. Your second cousins are children of your parent's first cousins. Your target match is on **Mom's** Mom's side if all your second cousin matches with your target are children of your mom's maternal 1C's.
- Repeat with each level of cousins—3rd, 4th and so on until the cousins of that level don't fall into one group.
- Your DNA target match belongs to the highest level group where all cousins are in one group at that level AND all cousins of the next higher level fall into two groups.
- All DNA matches in a group share a common ancestral couple (MRCA).

What Can Go Wrong?

- Endogamy. You share more than one relationship with target.
- “Half” Relationships. Children from multiple marriages.
- Misattributed parentage—children from affairs, rape, incest, ‘open’ marriage.
- Adoption and other ‘official’ obfuscation.
- Inadequate or non-existent genealogical and DNA records to connect DNA matches.

Cousin Matching Conclusions


- Only use cousins where you know the descent path up to your MRCA and down to your match (mine are marked with the tree icon).
- Work to define the whole pathway for each candidate.
- As you add known confirmed cousins your template becomes better.
- Be aware that as the cousin level goes up, the error chance goes up.
- There are strategies to reduce the chance of error.
- Beyond the 2nd cousin level, use those strategies.

Strategies to Improve Accuracy.

- Ethnicity
- Triangulation—work with shared *identical* DNA segments.
- Geographic location/time line info
- Tools from multiple DNA sites.

MyHeritage Tools: “cM Explainer”

Applies Age Filter to Bettinger’s Shared cM Project

HomeFamily treeDiscoveriesPhotosDNAResearch

cM Explainer™

Enter the total amount of shared DNA with a DNA Match to view relationship predictions.
For improved predictions, enter the ages as well.


Shared DNA (cM)
189

Your age
73
Optional

Match's age
55
Optional

Submit

Test additional family members
[Order more kits](#)



Most probable relationship: **2nd cousin's child**

Most Recent Common Ancestor (MRCA): You and this DNA Match most likely share a pair of **Great-grandparents**

Possible relationships

Relationship	Probability		<u>Most Recent Common Ancestor(s)</u>
2nd cousin's child	42.2%	<div><div></div></div>	Great-grandparents
2nd cousin	27.3%	<div><div></div></div>	Great-grandparents
3rd cousin	13.6%	<div><div></div></div>	Great-great-grandparents

Probable relationship to you	Shared match	Probable relationship to alana rankmore
Parent's 1st cousin	4.7% (329.7 cM) <input type="checkbox"/> Stanley [redacted] <input type="star"/> <input type="share"/>	Parent's 3rd cousin
4th cousin	0.7% (50.2 cM) <input type="checkbox"/> Edward [redacted] <input type="star"/> <input type="share"/>	Parent's 1st cousin
4th cousin	0.7% (52.0 cM) <input type="checkbox"/> Cheryl [redacted] <input type="star"/> <input type="share"/>	Parent's 1st cousin, 2nd cousin
3rd cousin	1.0% (89.5 cM) <input type="checkbox"/> Brian [redacted] <input type="star"/> <input type="share"/>	Parent's 2nd cousin
2nd cousin	2.9% (202.3 cM) <input type="checkbox"/> Kerry [redacted] <input type="star"/> <input type="share"/>	3rd cousin
2nd cousin's son	2.5% (176.4 cM) <input type="checkbox"/> James [redacted] <input type="star"/> <input type="share"/>	3rd cousin

MyHeritage DNA Match Page

Alana

Triangulation Indicator—Stanley, Alana, and I share identical DNA.

Column: Alana's
Relationship to each DNA
match in this column.

Triangulation indicator—Kerry, Alana, and I share identical DNA.

James, Alana, and I share identical DNA.

MyHeritage AutoCluster Tool Kit MH-HXN342

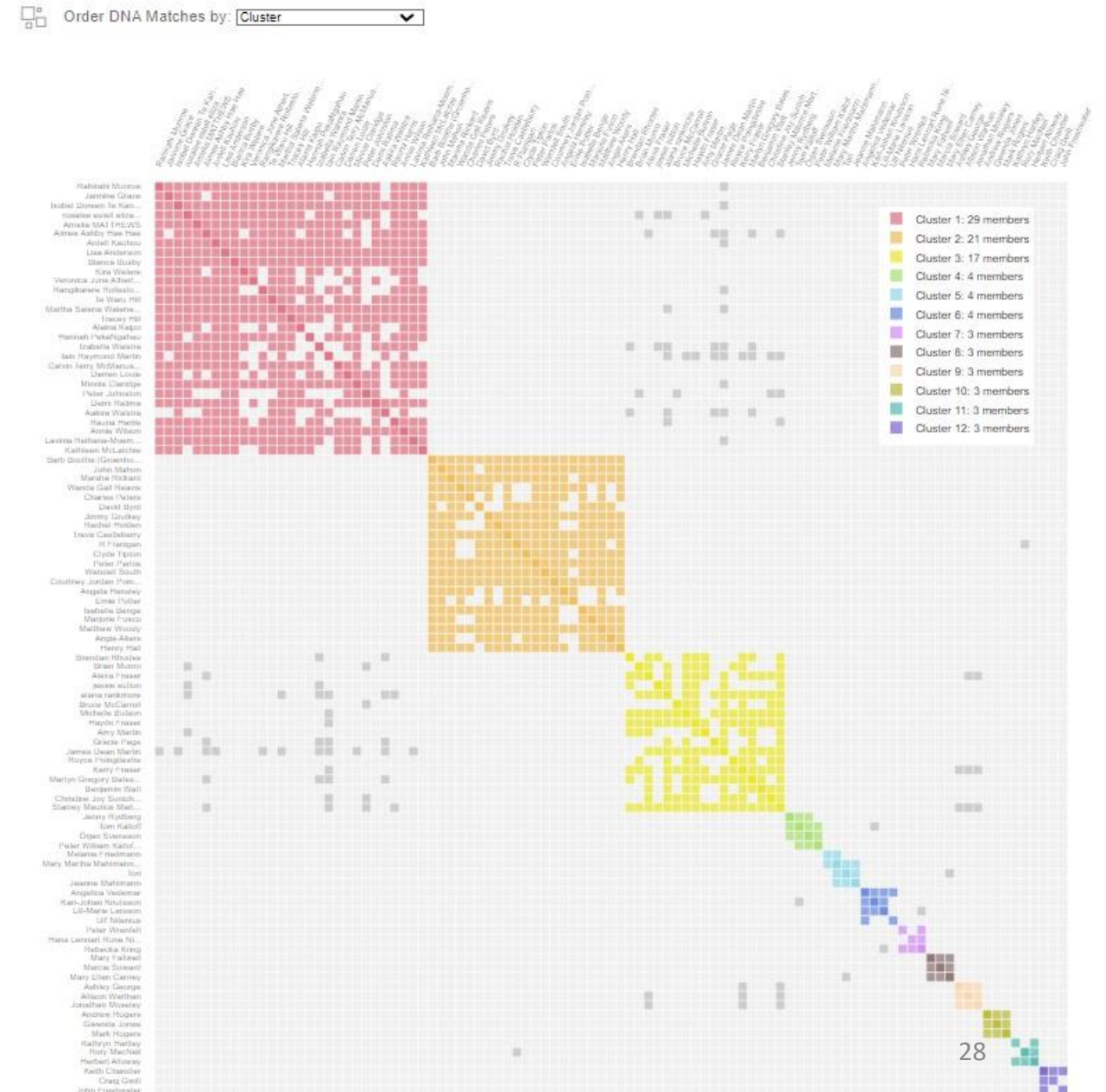
This Tool groups your DNA matches by relationship to each other. Each group shares a common ancestor.

Each person in a group shares DNA with you and at least one other person in the same group.

I have two DNA kits at MyHeritage so I have two AutoCluster graphs. They are not the same.



For: David Duncan · Kit: MH-HXN342 · February 6 2024



MyHeritage AutoCluster Tool

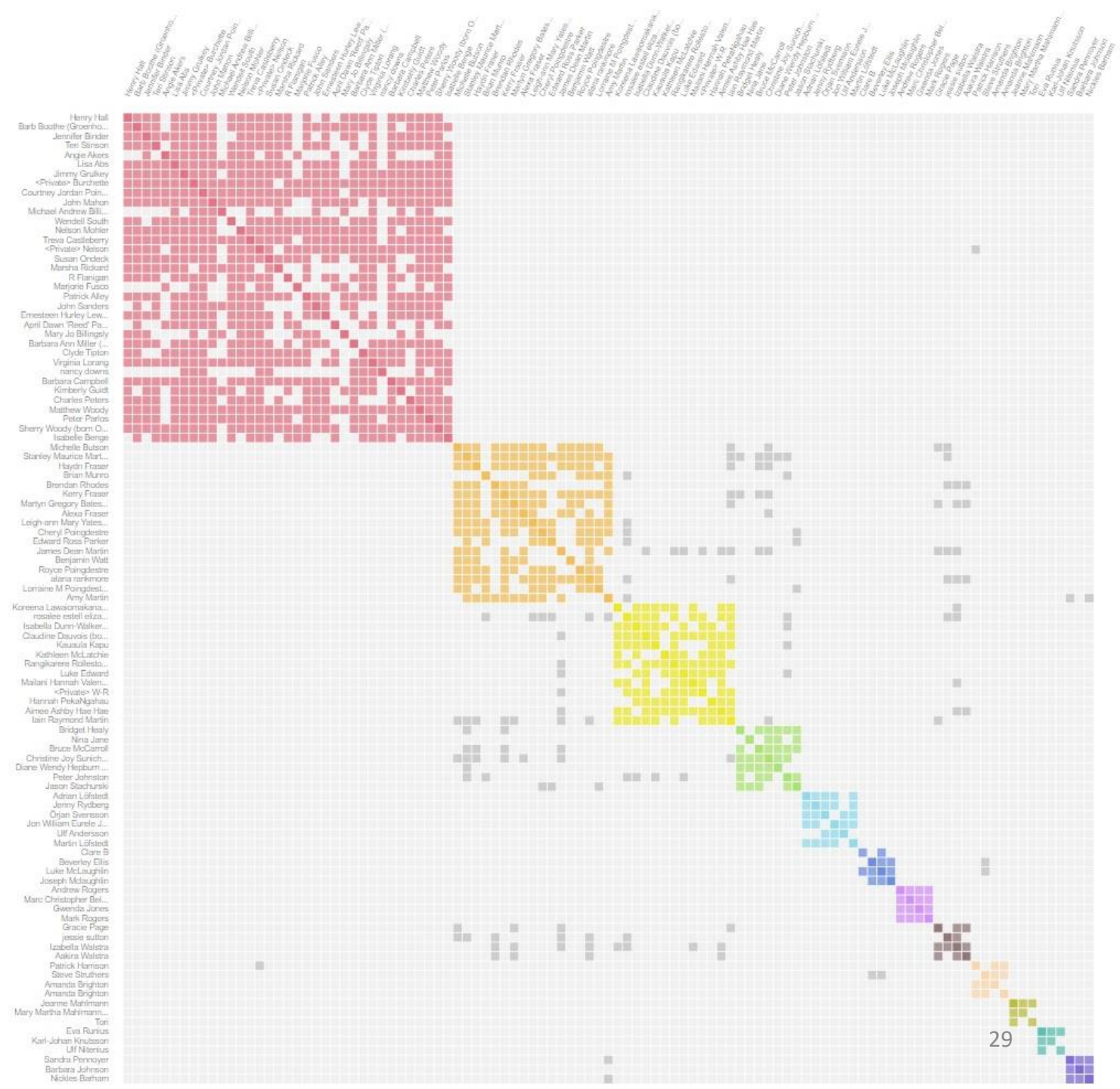
Kit 23-DA1268

You would research all the members of a group together. MyHeritage is telling you that everyone in each colored group shares a common ancestor.

The grey squares indicate a person DNA matches someone else in a different colored group.

To facilitate, a link for each person is provided (not shown but handy).

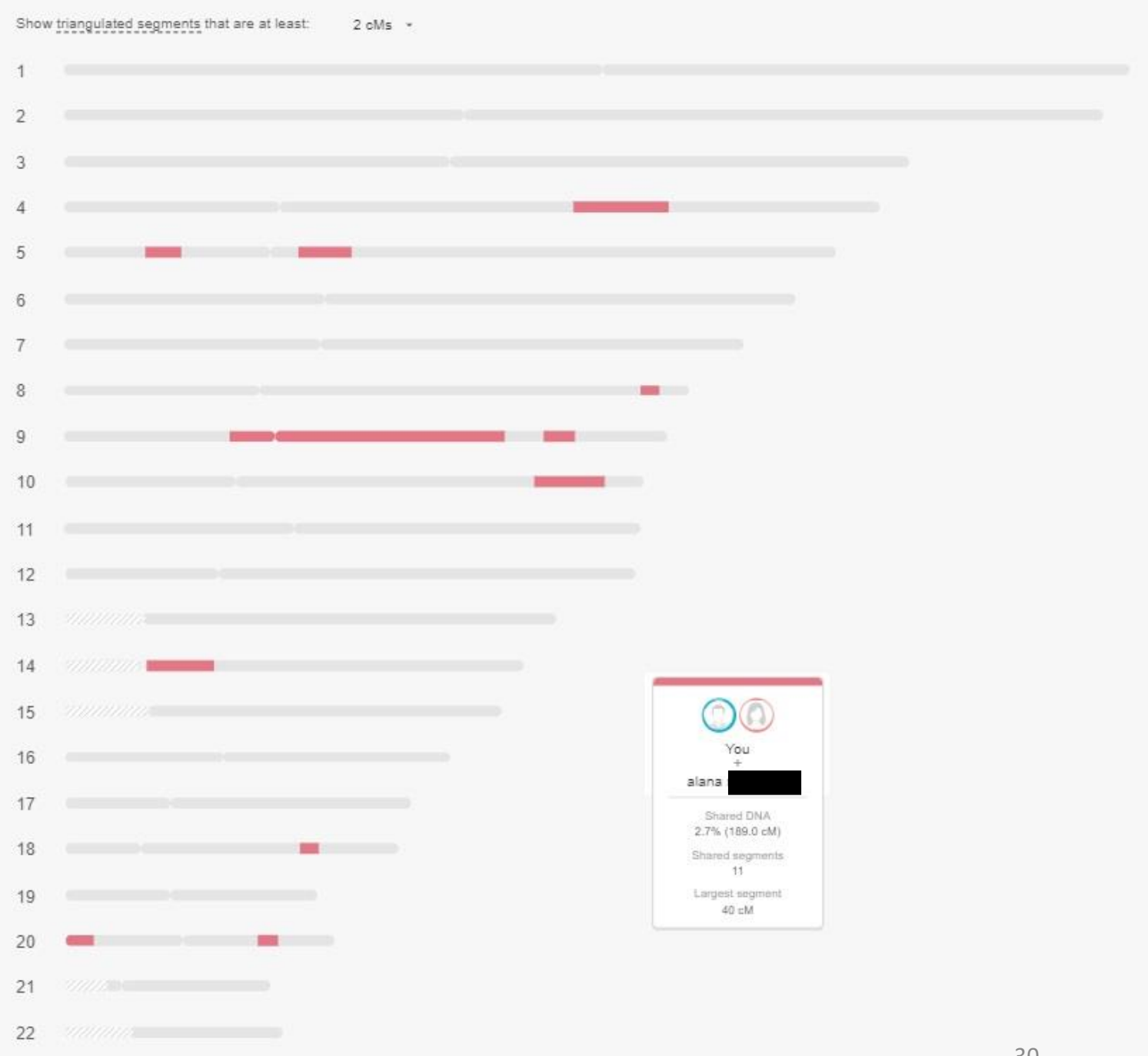
People who DNA match you but don't DNA match anyone else are listed in report but not graphed.



MyHeritage Chromosome Browser

The Chromosome Browser shows the gene segments you match with your target. In this case the target is Alana.

Up to 7 peoples' chromosomes can be compared at one time.



MyHeritage Chromosome Browser Tool “One to Many”.

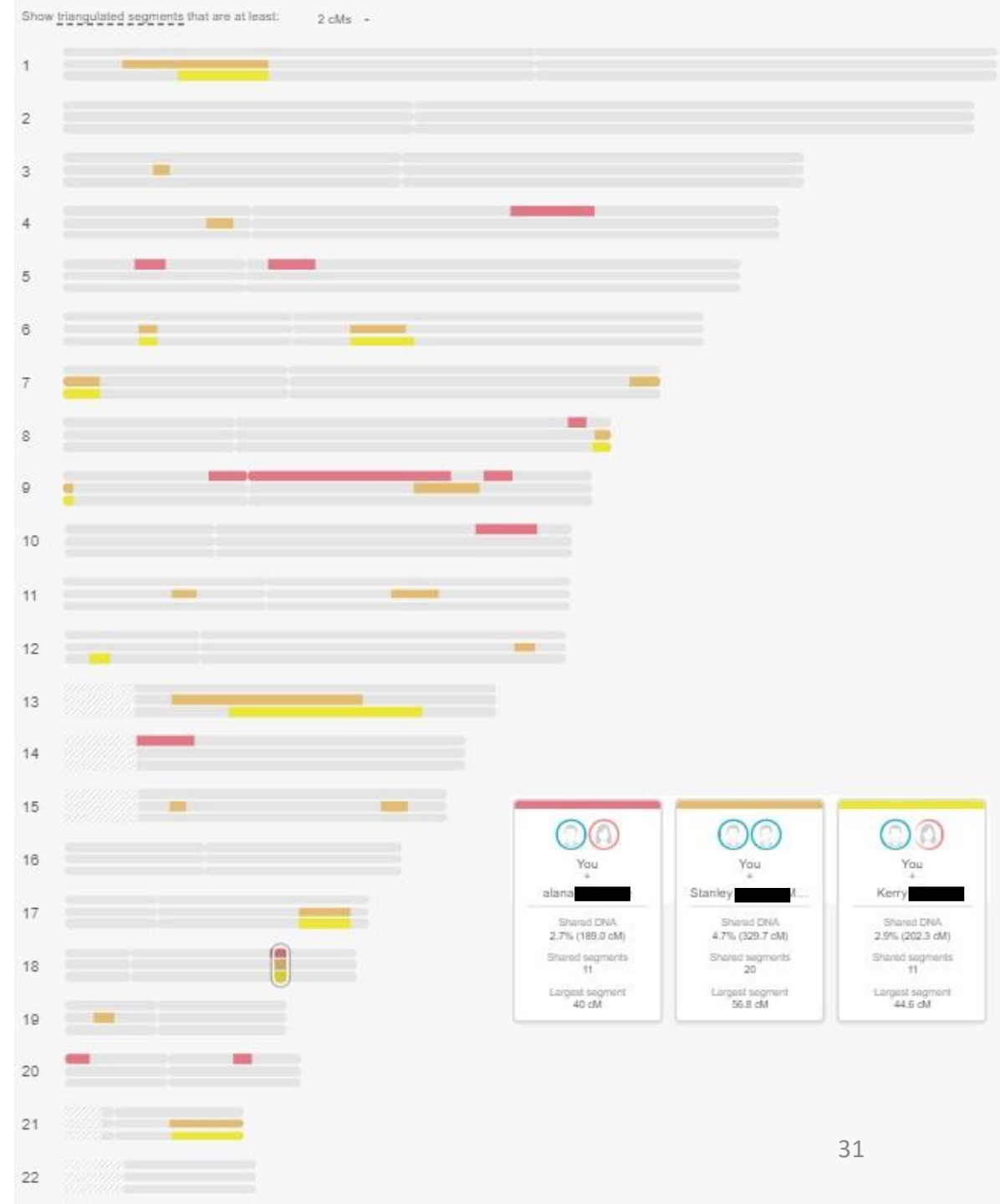
This tool allows you to compare DNA of up to 7 people on one screen. Shared identical segments of DNA are marked.

In this example, the DNA of Alana, Stanley, Kerry, and I are being compared.

The more people compared, the smaller any shared identical DNA segments will be.

Kerry shares much more DNA with Stanley than with Alana, indicating they are more closely related.

Identical DNA Segment on Chromosome 18—David, Alana, Stanley, Kerry share this DNA segment.

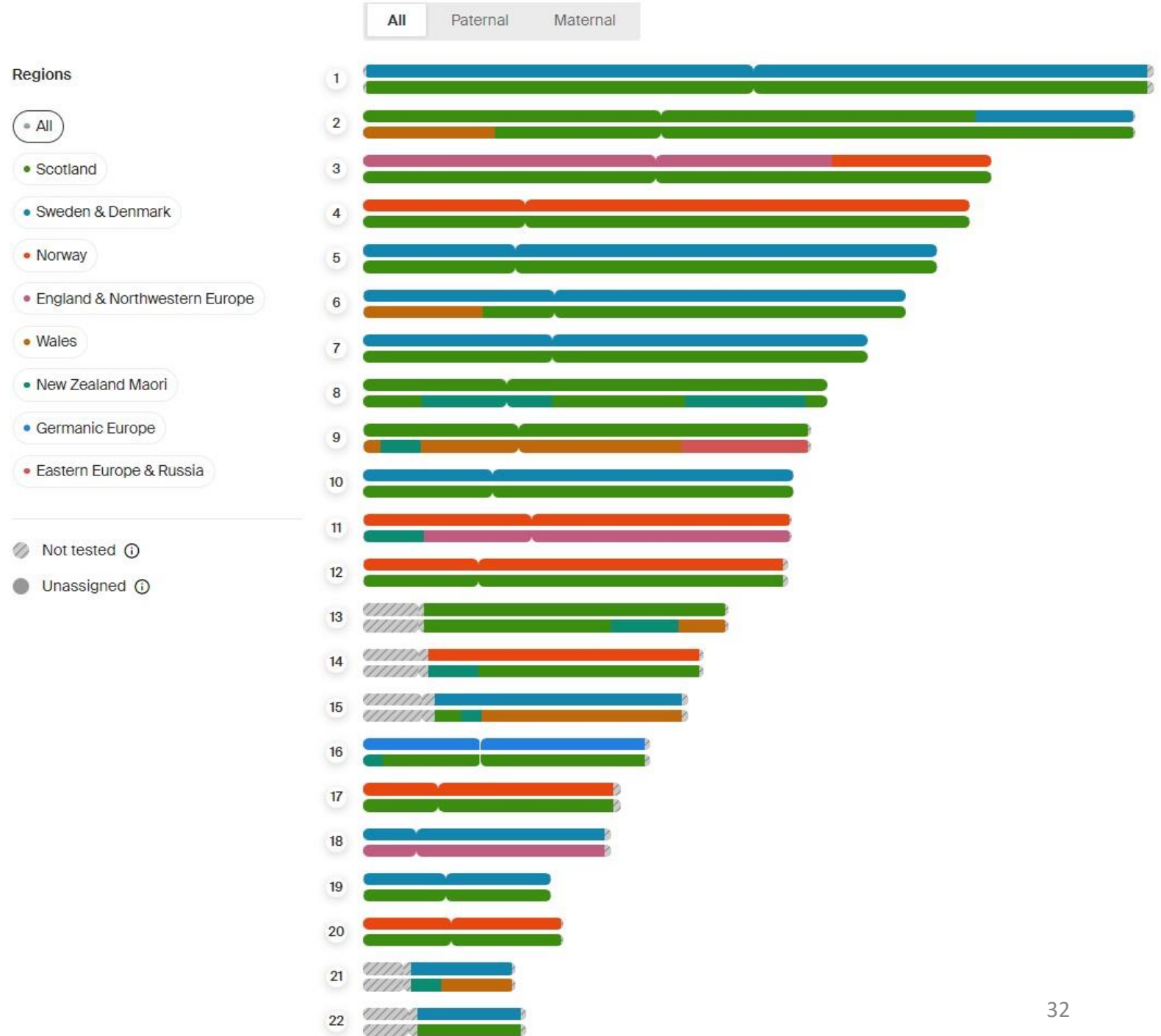


Ancestry's Chromo Painter—Dave's

Shows genetic location of your ethnicity.

Can screen by ethnicity.

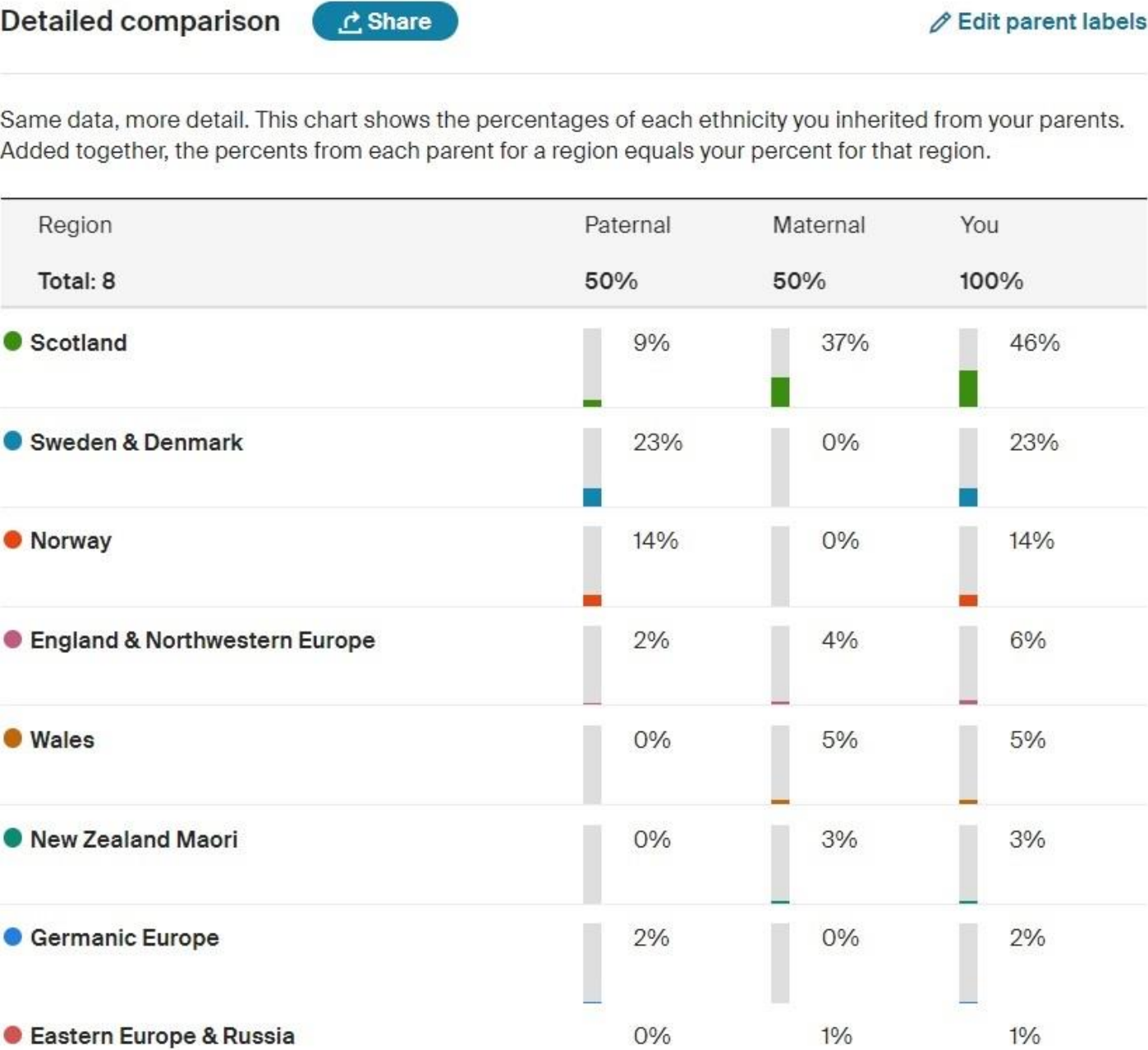
Can combine with MyHeritage Chromosome Browser to predict if a research target has 'marker' ethnicity(ies).



Dave's Ethnicity By Parent

Ethnicities on Mom's side that aren't on Dad's side:
Wales, Maori, Russia/East Europe.

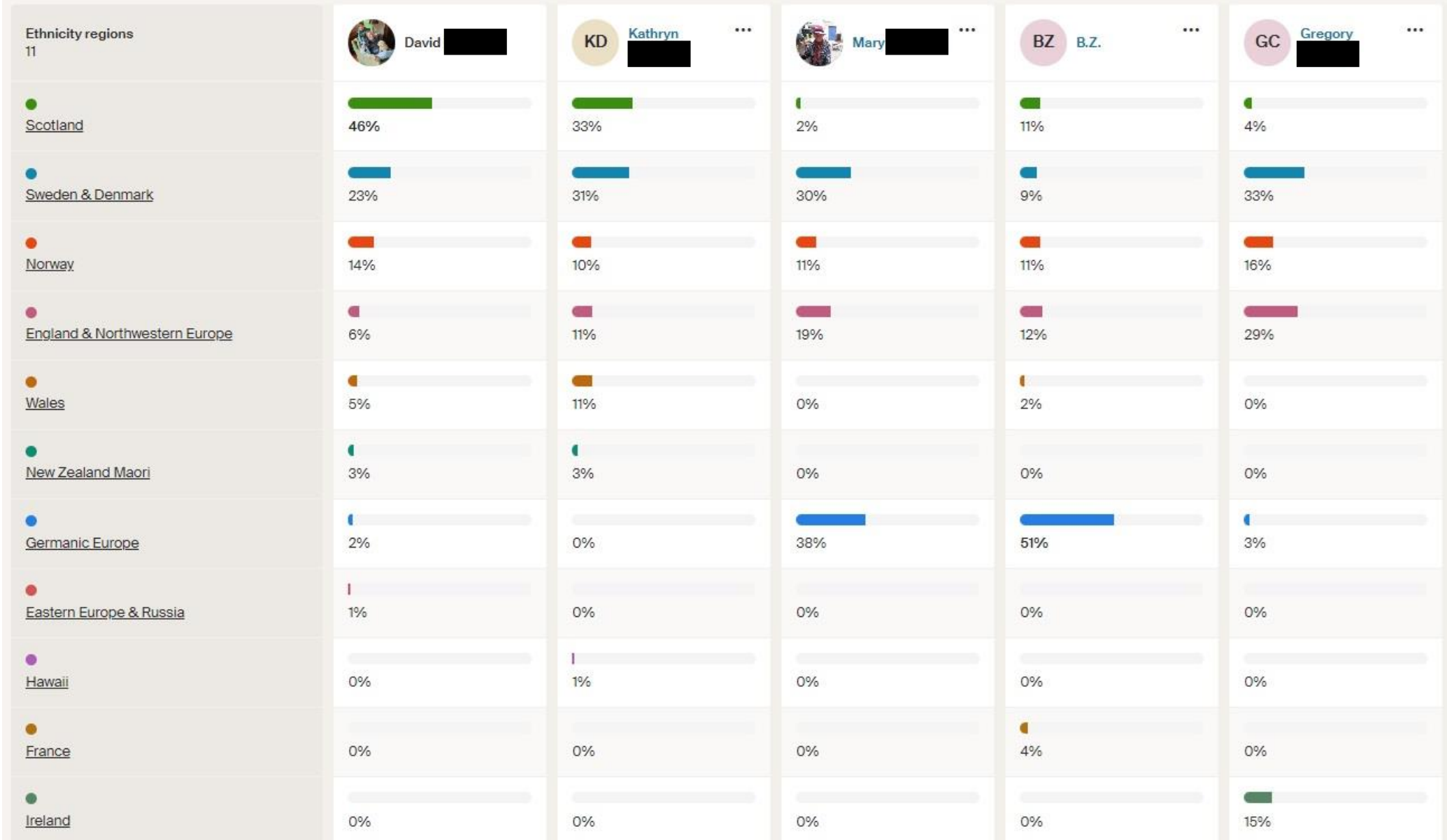
Ethnicities on Dad's side that aren't on Mom's side:
Sweden, Norway, Germanic Europe.



Ancestry's Ethnicity Comparison Tool

Ethnicity estimates DNA communities

Compare your ethnicities with family and friends. [Learn more](#)



Notes on previous slide.

- All five people in chart share one set of grandparents. David and Kathryn's dad, Mary and B.Z.'s mom, and Greg's mom are siblings with same parents.
- David and Kathryn are siblings with same parents, but their ethnicity estimates are quite different.
- Mary and B.Z. are siblings with same parents and are first cousins to David and Kathryn. Their ethnicity estimates are quite different.
- Greg is a first cousin to the other four.

Dave's Scotch Ancestry—On Both Sides. Probably too much Scotch.

Inherited from both sides so uncertainty as to where 'Scotch' comes from in target match.

Common in New Zealand so introduced into the descent line through marriage, possibly at multiple generations.

This is where identical DNA segments are better.

Choose **Maternal** or **Paternal** to see who passed down which chromosomes.



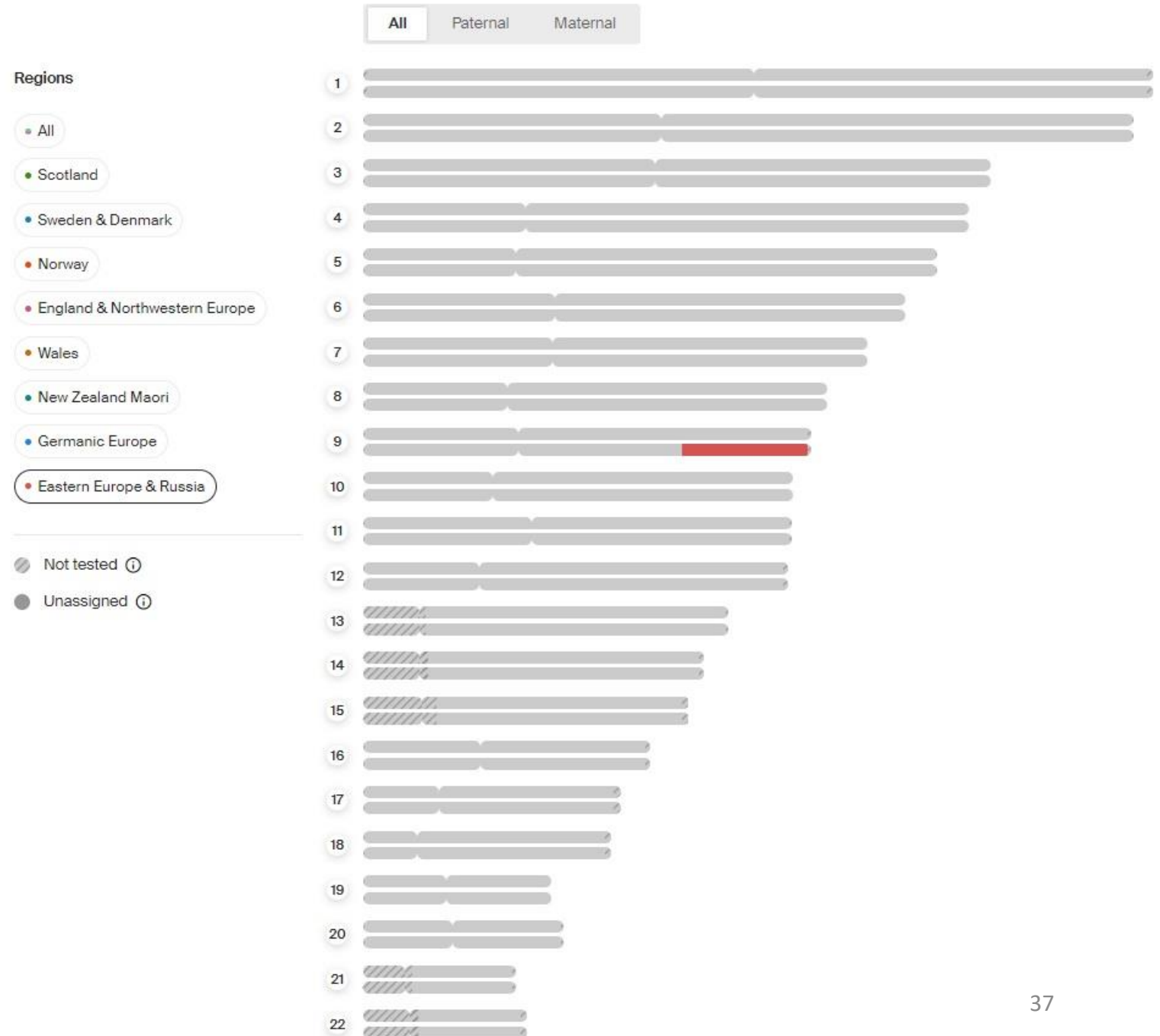
Dave's Russian East European Ancestry

This ethnicity could be useful
BECAUSE:

Only one known direct line
ancestor has this ethnicity.

This ethnicity is uncommon in
New Zealand—so unlikely to be
introduced into the descent line
through marriage.

Choose **Maternal** or **Paternal** to see who passed down which chromosomes.



Dave's Maori Ancestry.

Can be useful because:

Only one known Maori ancestor, a 3rd Great Grand Parent.

This would give me 1/32nd Maori.
This is my test result.*

English/Maori families followed requirements for English birth/marriage/death registration.
A paper trail.

*Pacific Islander DNA at 99% accuracy threshold.

Choose **Maternal** or **Paternal** to see who passed down which chromosomes.



Ethnic Descendancy Markers

Evans = Johnston	King = Martin	Ross = Sutherland	Smith = Siddells	Fagerberg = Jonsson	Jonsdotter = Nilsson	Diringer = Allgeyer	Zimmerman = Duncan	Couple Surnames
Mom's Mom's Mom	Mom's Mom's Dad	Mom's Dad's Mom	Mom's Dad's Dad	Dad's Mom's Mom	Dad's Mom's Dad	Dad's Dad's Mom	Dad's Dad's Dad	Great Grands
Russian/East Europe	Maori 1/4th			Sweden	Sweden	Germanic Europe	Germanic Europe	
Welsh				Norway	Norway			
</								

Ethnic Marker Recap



















- Use ethnicities that are on one side of your tree.
- Favor use ethnicities that are uncommon in population.
- Favor use of ethnicities that have a unique descent path.
- Verify ethnic composition of known cousins—Ancestry's ethnic comparison tool.
- Regard ethnic results with skepticism. A guide, not fact, but better than nothing.

Example of Ethnicity's Use to Parse Matches

- South India is an extremely uncommon ethnicity in New Zealand.
- My great uncle married a woman of South Indian descent.
- She was 1/2 South Indian.
- Her South Indian genes “mark” all her descendants.

Ethnicity estimates DNA communities

Compare your ethnicities with family and friends. [Learn more](#)

Ethnicity regions 15	 David	 K	 Anastasia	 Janice	 RG Ross	 Hayden	 HANA-LEIGH
 Scotland	<div><div></div></div> 46%	<div><div></div></div> 26%	<div><div></div></div> 61%	<div><div></div></div> 12%	<div><div></div></div> 19%	<div><div></div></div> 22%	<div><div></div></div> 22%
 Sweden & Denmark	<div><div></div></div> 23%	<div><div></div></div> 4%	<div><div></div></div> 0%	<div><div></div></div> 9%	<div><div></div></div> 0%	<div><div></div></div> 1%	<div><div></div></div> 0%
 Norway	<div><div></div></div> 14%	<div><div></div></div> 2%	<div><div></div></div> 3%	<div><div></div></div> 4%	<div><div></div></div> 0%	<div><div></div></div> 1%	<div><div></div></div> 0%
 England & Northwestern Europe	<div><div></div></div> 6%	<div><div></div></div> 20%	<div><div></div></div> 15%	<div><div></div></div> 49%	<div><div></div></div> 52%	<div><div></div></div> 7%	<div><div></div></div> 18%
 Wales	<div><div></div></div> 5%	<div><div></div></div> 1%	<div><div></div></div> 1%	<div><div></div></div> 5%	<div><div></div></div> 3%	<div><div></div></div> 3%	<div><div></div></div> 1%
 New Zealand Maori	<div><div></div></div> 3%	<div><div></div></div> 29%	<div><div></div></div> 2%	<div><div></div></div> 1%	<div><div></div></div> 1%	<div><div></div></div> 42%	<div><div></div></div> 42%
 Germanic Europe	<div><div></div></div> 2%	<div><div></div></div> 0%	<div><div></div></div> 8%	<div><div></div></div> 0%	<div><div></div></div> 0%	<div><div></div></div> 0%	<div><div></div></div> 0%
 Eastern Europe & Russia	<div><div></div></div> 1%	<div><div></div></div> 1%	<div><div></div></div> 0%	<div><div></div></div> 0%	<div><div></div></div> 2%	<div><div></div></div> 0%	<div><div></div></div> 1%
 Ireland	<div><div></div></div> 0%	<div><div></div></div> 7%	<div><div></div></div> 7%	<div><div></div></div> 10%	<div><div></div></div> 16%	<div><div></div></div> 12%	<div><div></div></div> 0%
 Southern India	<div><div></div></div> 0%	<div><div></div></div> 6%	<div><div></div></div> 3%	<div><div></div></div> 9%	<div><div></div></div> 6%	<div><div></div></div> 3%	<div><div></div></div> 2%
 Hawaii	<div><div></div></div> 0%	<div><div></div></div> 4%	<div><div></div></div> 0%	<div><div></div></div> 0%	<div><div></div></div> 0%	<div><div></div></div> 9%	<div><div></div></div> 13%

Relationships in previous table.

- All have South Indian Ancestry (except me).
- K's great grandmother is 50% South Indian.
- K is my 2C1R. His test shows 6%.
- Hana Leigh is K's daughter. Her test shows 2%.
- Hayden is K's nephew. His test shows 3%.
- Hana Leigh and Hayden are first cousins.
- Anastasia (3%), Ross (6%), Janice (9%) are new-to-me DNA matches. Where do they fit?

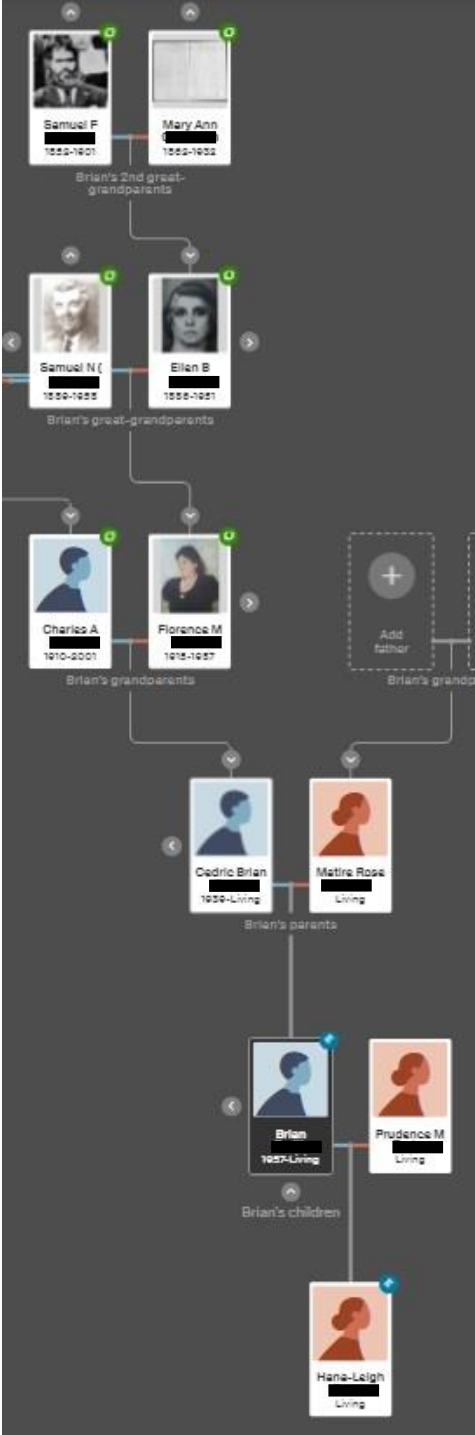
Ethnicity ‘Flag’= South Indian

South India ‘Flag’ indicates new DNA matches Janice and Ross relate to me like K--2C1R. Anastasia relates to me the same as Hana-Leigh and Hayden—2C2R.

Not proven but probable.

Needs corroboration from traditional research. But ethnicity gives us a good idea how these people relate.

Samuel T.	100%
Ellen	50%
Florence	25%
Cedric	12.5%
Brian	6.25%
Hana-Leigh	2%
Hayden	3%



Combining Ancestry's Chromosome Painter with MyHeritage's Chromosome Browser.

- Ancestry's Chromosome Painter colors your genes by ethnicity.
- MyHeritage's Chromosome Browser marks gene segments you share with a target.
- By combining this information you can predict if a target has specific ethnicities.
- Both companies could do this for you, but it looks like they have a "Gentleman's Agreement" to not directly compete.
- The limitation is that your target must have tested on MyHeritage and you must have tested on Ancestry.

Alana's DNA match to Dave Aligns With His Welsh and Maori.



- Combining these two tools can suggest research ideas and, if unusual ethnicities are involved, flag relationships.

Conclusions

- The DNA common match list you share with a DNA target match tells how you are related to that DNA target match. See excel attachment for template.
- By grouping your known and verified cousins by MRCA you create a tool (Cousin Template) that helps locate DNA matches by MRCA.
- Uploading your Ancestry or other DNA test to MyHeritage gives you more matches, more Family Tree info, and more DNA tools.
- Ethnicity *can* be a useful marker for tracking descendants through generations. Use carefully.
- This is an abbreviation of a presentation given 13 Feb 2024 to the Ancestry Detectives group of Silverton, Oregon.