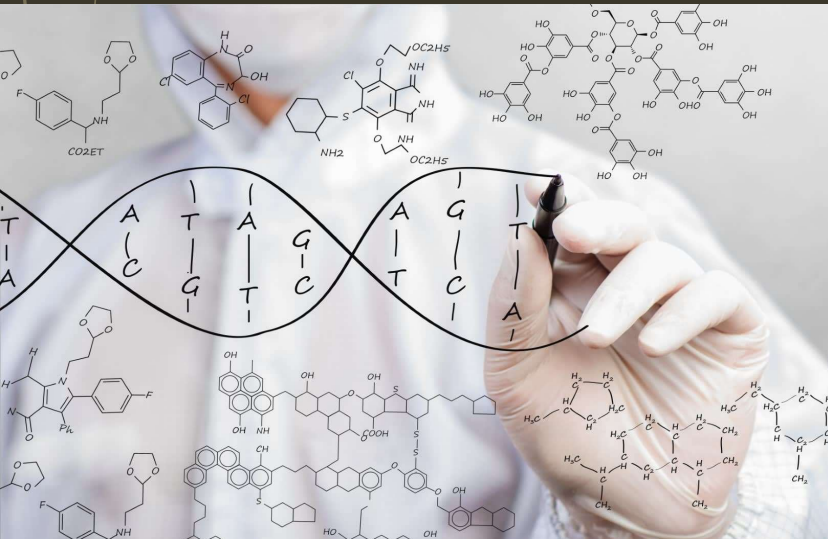


# DNA Testing Companies

Pros and Cons, Costs and Features

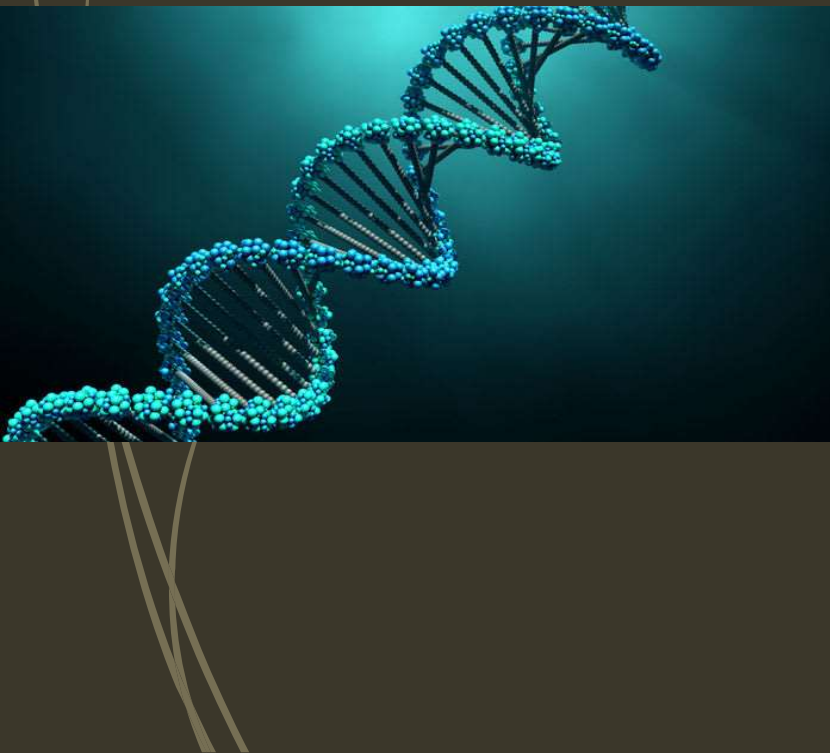


# What is DNA?



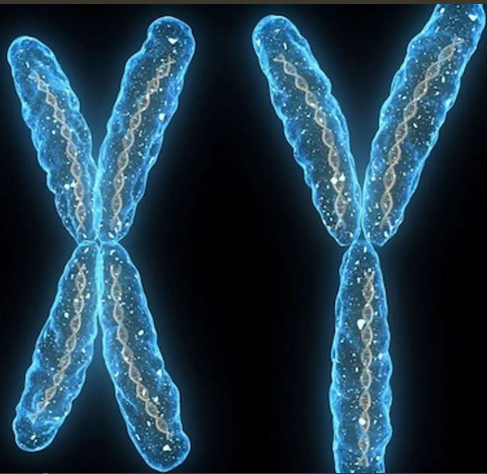
- DNA or deoxyribonucleic ( De-Oxy-Ribo-Nucleic) acid is a long molecule that contains our unique genetic code. Like a recipe book it holds the instructions for making all the proteins in our bodies.
- The complete set of DNA makes up your genome, the encyclopedia of life. It makes your eyes blue or brown, your body tall or short.

# Why do we use DNA for genealogy?



- We use DNA testing to find and analyze DNA matches to understand the family unit we are part of and to find out about unknown ancestry and heritage.
- In today's modern world and through scientific breakthroughs there are several companies that offer DNA testing.
- These tests usually are done by you submitting a sample of your saliva which contains your DNA or a mouth swab that collects DNA material from inside your cheek.
- The most popular DNA testing companies are AncestryDNA®, 23 and Me®, My Heritage®, and Family Tree DNA (FTDNA) ®
- These companies provide autosomal DNA tests. Not all provide testing for Y-DNA or for Mitochondrial DNA.

# Autosomal – Mtdna – YDna



Autosomal DNA tests trace a person's autosomal chromosomes, The first 22 of the 23 chromosomes are called Autosomes which contain the segments of DNA the person shares with everyone to whom they're related (maternally and paternally, both directly and indirectly).

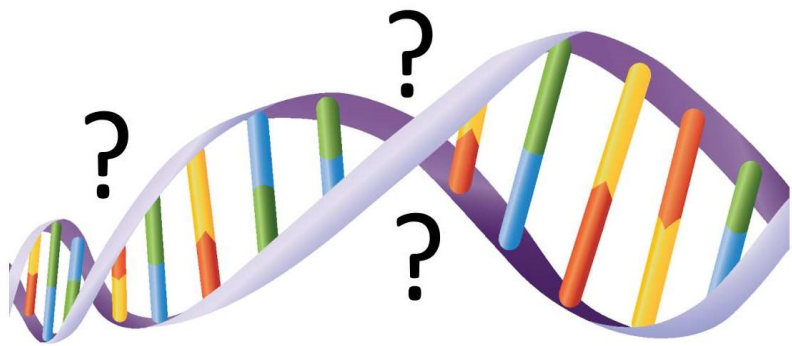
Mitochondrial DNA tests trace people's matrilineal (mothers-line) of ancestry through their mitochondria, which are passed from mothers to their children.

Since everyone has mitochondria, both males and females can take mtDNA tests.

Because Y-chromosomes are passed from father to son virtually unchanged, males can trace their patrilineal (male-line) of ancestry by testing their Y-chromosome.

Since women don't have Y-chromosomes, they can't take y-DNA tests (though their brother, father, paternal uncle, or paternal grandfather could).

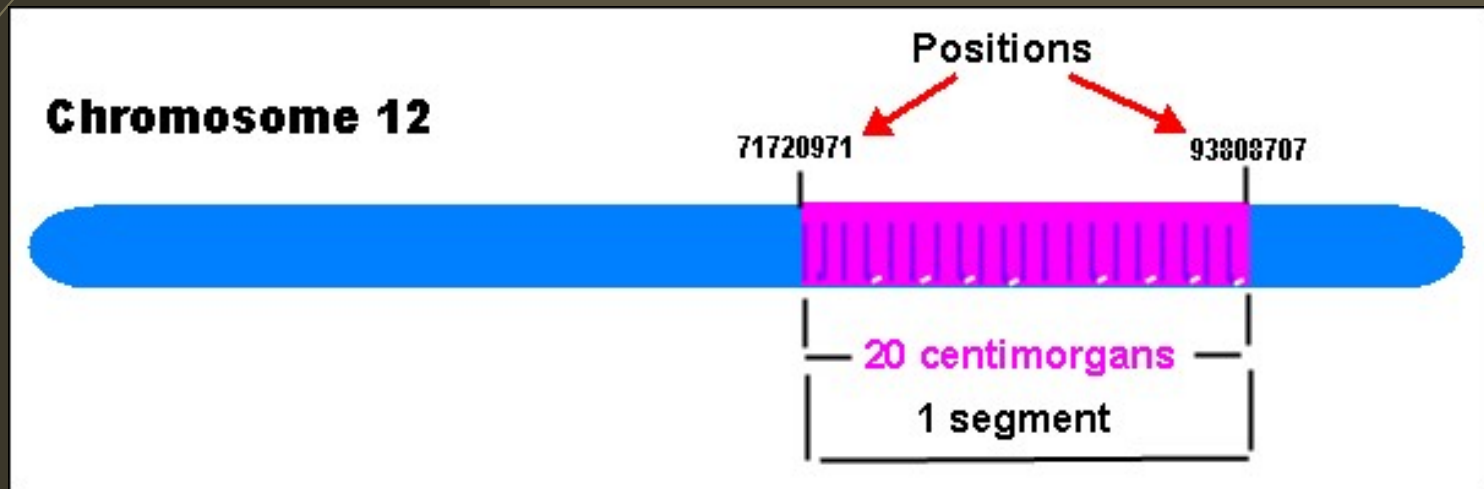
# What is a centimorgan?



- A centimorgan (cM) is just a fancy word that geneticists use to describe the length of DNA segments – specifically, the difference between chromosome positions. We inherit DNA on each chromosome from each parent, and we will share segments of genetic material of varying sizes with our relatives.
- The distance between the location on the chromosome where the shared DNA segment starts to the point where it ends is measured in centimorgans.

# What is a segment?

- ▶ A DNA segment is a block, chunk, piece, or string of DNA on a chromosome.
- ▶ I use segments to determine if DNA matches are linked together by the same segments of DNA they share.



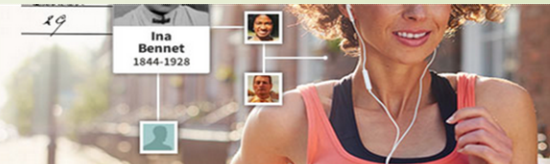
## AncestryDNA U.S. Based in Utah



- Receive percentages of your ethnicity estimate and regions
- Identify other relatives who have also taken Ancestry.com's DNA test
- The ability to contact DNA matches.
- Research your family.
- Build family trees as large as you need.
- DNA Collection Type: Saliva Collection
- DNA Test Type: Autosomal
- Time to Result: 6-8 Weeks
- Pricing – DNA test kit \$99.00 They do have sales.

# Ancestry.com Current Price List for Subscriptions

Explore millions of fascinating records and delve into your family's past.  
Just pick the membership that's right for you below.



|  | U.S. Discovery<br>Access all U.S. records on Ancestry  | <b>MOST POPULAR</b><br>World Explorer<br>Access all U.S. & international records on Ancestry   | All Access<br>Get full membership to:<br>Ancestry.com, Fold3.com,<br>& Newspapers.com Basic <sup>‡</sup>  |
|--|--|--|---|
| Monthly<br><i>Auto Renewing,<br/>Cancel Anytime.</i> |  \$24 <sup>99</sup>   |  \$39 <sup>99</sup>   |  \$49 <sup>99</sup>  |
| 6 month<br>or pay<br>upfront                         |  \$16 <sup>50</sup><br>per month <sup>\$</sup><br><b>SAVE \$50*</b> |  \$24 <sup>83</sup><br>per month <sup>\$</sup><br><b>SAVE \$90*</b> |  \$33 <sup>16</sup><br>per month <sup>\$</sup><br><b>SAVE \$100*</b> |

Upgrade membership

[Auto Renewing, Cancel Anytime.](#)

<sup>\$</sup> You are committing to a six-month subscription, but you will be billed on a monthly basis. If you cancel before the end of your subscription, an early termination fee of up to \$25 may apply. See our [Renewal and Cancellation Terms](#) for more details.



# Eric Migdal's DNA Matches

[View Fuhrer Skerke Family Tree](#)

[List](#) [Map](#)

Filter by:

[Unviewed](#)

[Common ancestors](#)

[Messaged](#)

[Notes](#)

[Trees](#)

[Shared DNA](#)

[Groups](#)

[Search](#) | [Sort](#)

## Parent/Child



**Amanda Migdal**

Daughter  
3,464 cM | 50% shared DNA  
Both sides

[Public linked tree](#)  
15 People  
[Common ancestor](#)

[View in tree](#)

[View match](#)



## Close Family



**Linda Wilson**

Half sister  
1,915 cM | 27% shared DNA  
Father's side

[Public linked tree](#)  
62 People  
[Common ancestor](#)

[View in tree](#)

[View match](#)



**Susan Sonkin**

Half sister  
1,748 cM | 25% shared DNA  
Mother's side

[Public linked tree](#)  
432 People  
[Common ancestor](#)

[View in tree](#)

[View match](#)



**shanandersen**

1st cousin 1x removed  
501 cM | 7% shared DNA  
Mother's side

[Unlinked Tree](#)

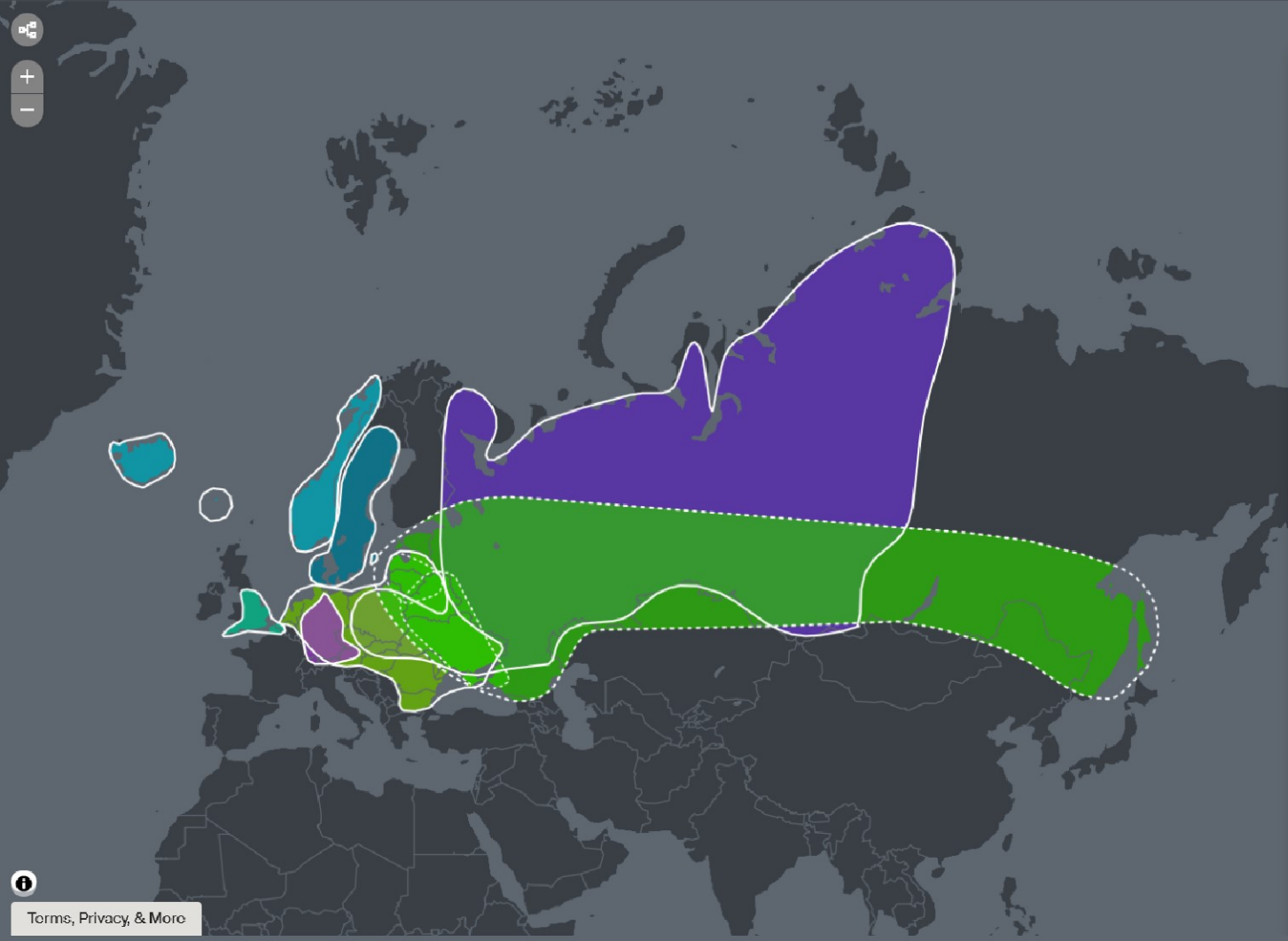
[View match](#)



# Ethnicity Results



- Ethnicity results are only estimates.
- The DNA testing companies using data from people who have tested with them get a benchmark of patterns of ethnicity from the DNA patterns.
- You also receive ethnicity results based where your ancestors and the ancestors of your DNA matches come from over the years.
- Migration formed the basis of all ethnicity since we all come from somewhere else.
- Based on my DNA Matches I found that my maternal side (mother) came mostly from Russia, Hungary and Latvia though most of the areas have changed country ownership or control over the centuries.
- My paternal side (father) came mostly from Belgium, France and Germany. I also have a little Scandinavian ethnicity.



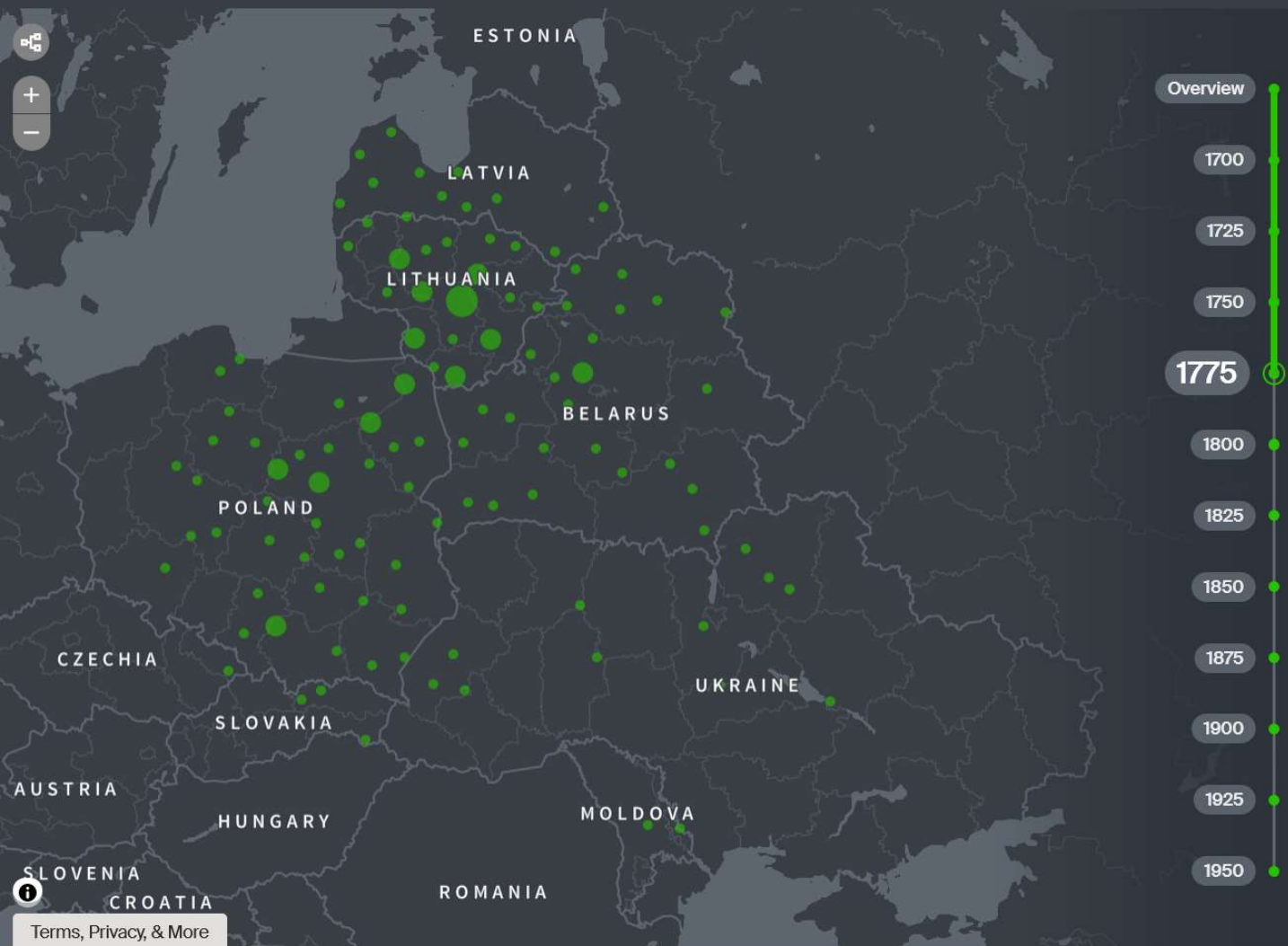
### Ethnicity Estimate

Your DNA looks most like DNA from these 6 world regions

We compare your DNA against a worldwide reference panel to see which populations your DNA looks most like.

[How do we calculate this?](#)

|   |        |   |
|---|--------|---|
| <div></div> Jewish Peoples of Europe                                | 48%    | > |
| Your community with a connection to this ethnicity region ⓘ         |        |   |
| <div></div> Jews In Northeastern Europe                             |        | > |
| <div></div> Jews in Southwest Latvia, Lithuania & Northwest Belarus |        |   |
| <div></div> Jews in Belarus & Ukraine                               |        |   |
| <div></div> England & Northwestern Europe                           | 28%    | > |
| <div></div> Norway  | 9%     | > |
| <div></div> Sweden & Denmark  | 5%     | > |
| <div></div> Eastern Europe & Russia                                 | 5%     | > |
| <div></div> Germanic Europe   | 5%     | > |
| <a href="#">See other regions tested</a>                            | 1,500+ |   |



## < 📍 Jews In Northeastern Europe

maintained a distance from others. Synagogues prohibited members from reading books not in Yiddish or Hebrew. However, schools were founded that offered general subjects like science and math, not just religious instruction. Reformers also encouraged Jews to discard their distinctive clothing, adopt the vernacular languages of their countries, and cease child marriages for women.

1775–1800

### Shtetl and the Pale of Settlement

In the late 18th century, Russia expanded West and gained over a million Jews who were soon only allowed to settle in the western and southwestern provinces, called the Pale of Settlement. Eastern European Jews spoke Yiddish, dressed differently, and men wore beards and sidelocks (payot). They also lived in small towns and were in close contact with Slavic Christian peasants. Life in the shtetl was centered around synagogues. Women ensured observance of religious laws and instilled faith in their children. Wives also typically worked as peddlers or traders in the market, contributing to their family's income, especially if their husbands pursued religious study.

1800–1825

### Vilna, Jerusalem of the North

Vilnius, the historic capital of Lithuania (known as Vilna in Yiddish), was one of the largest cities in the Russian empire and had a thriving Jewish population. By this time, the Haskalah had found a home in Vilna. Some of the city's



+

-

6

66

8

23

86

90

19

MH

LA

Jews In Northeastern Europe

1700–1975

Connected to your region: European Jewish

Jews in Southwest Latvia, Lithuania & Northwest Belarus

Jews in Belarus & Ukraine

DNA Matches

Where your family lives today

You are genetically related to these other AncestryDNA members.

55,548

Total DNA matches

307

Matches sharing their location

View all DNA matches

Add location in your profile so we can show it on the map.

Do more with your results

View Stories of Your Ancestors

Terms, Privacy, & More



# Family Trees

- Your DNA matches and how they are related to you are estimated based on the amount of DNA you share with them.
- You must build a family tree and place your matches in the correct places in order to understand the true relationship you share with your DNA matches.
- Ancestry gives you the ability to build as many trees as you wish and to make them as large as you need.

1866-1944 1893-1919 1852-1892 1855- 1866-1944 1849-1909 1849-1925

Fuhrer Skerke Family Tree

Share

Print

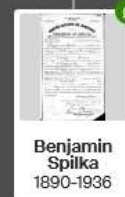
Tree Search



Joseph or Y  
Fuhrer  
1885-1963



Jehudis J  
Spilka  
1889-1958



Benjamin  
Spilka  
1890-1936



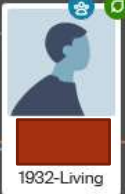
Fannie  
Levinson  
1891-1937



John M  
Harrison  
1923-1996



Bella  
Fuhrer  
1927-2003



1932-Living



Michael  
Poleski  
1925-1995



David  
Spilka  
1913-2004



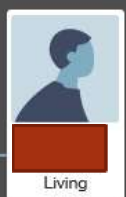
Harold  
Spilko  
1922-1985



Living



1955-Living



Living



1962-Living



1963-Living



1963-Living



Living



1967-Living



Living





LifeStory

Facts

Gallery

Hints 2

Facts

Filter

Add

1885 (AGE)

Birth

20 JUN 1885 • Natafalva, Hungary

9 sources

1888 3

Birth of brother David Fuhrer (1888–1944)

4 Sep 1888 • Natafalva, Hungary

1891 5

Birth of brother Moricz Moshe Fuhrer (1891–1944)

14 Apr 1891 • Natafalva, Hungary

1892 7

Death of mother Sali Szali Eigner (1852–1892)

1892 • Natafalva, Hungary

1894 9

Birth of half-brother Aaron Armin Fuhrer (1894–1964)

August 17, 1894 • Natafalva, Hungary

1905 20

Arrival

1905


1 source


1911


Sources


Add


Ancestry sources


1920 United States Federal Census

1930 United States Federal Census

1940 United States Federal Census

Ancestry Family Trees


Cook County, Illinois Death Index, 1908–1988


Illinois, Federal Naturalization Records, 1856–1991

Family

Add


Parents


Ignacz Yitzchak Fuhrer  
1853–1919


Sali Szali Eigner  
1852–1892


Siblings


Spouse and children

Jehudis Julia Spilka  
1889–1958

Sam Saul David Fuhrer  
1913–1981

Sylvia Fuhrer  
1914–1945

Molly Bertha Fuhrer  
1917–1998

Abraham Fuhrer



# Search

Researching your family will help build your tree

First & Middle Name(s)

Last Name

Place your ancestor might have lived

Birth Year



**Search**

[Show fewer options](#) ^

☐

Match all terms exactly

**Add event:** [Birth](#) [Marriage](#) [Death](#) [Lived In](#) [Any Event](#) [More](#) v

**Add family member:** [Father](#) [Mother](#) [Sibling](#) [Spouse](#) [Child](#)

**Keyword**

**Gender**

**Race/Nationality**

**Collection Focus**

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☒ Stories & Publications

☒ Family Trees

☒ Photos & Maps

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[New York City, New York, U.S., Immigrants \(Austria, Galicia, Poland\), 1890](#)

[North Carolina, U.S., Birth Indexes, 1800-2000](#)

[Hamburg Passenger Lists, 1850-1934](#)

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[Historical Records](#)

**[Birth, Marriage & Death](#)**

[Birth, Baptism & Christening](#)

[Marriage & Divorce](#)

[Death, Burial, Cemetery & Obituaries](#)

**[Census & Voter Lists](#)**

[U.S. Federal Census Collection](#)

[UK Census Collection](#)

[Canadian Census Collection](#)

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[Passenger Lists](#)

[Citizenship & Naturalization Records](#)

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#### Top Collections:

- [1940 United States Federal Census](#)
- [1930 United States Federal Census](#)
- [U.S. City Directories](#)



|                                      |                          |                               |                                |                                |                               |
|--------------------------------------|--------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------|
| <a href="#">Alabama</a>              | <a href="#">Florida</a>  | <a href="#">Louisiana</a>     | <a href="#">Nebraska</a>       | <a href="#">Oklahoma</a>       | <a href="#">Vermont</a>       |
| <a href="#">Alaska</a>               | <a href="#">Georgia</a>  | <a href="#">Maine</a>         | <a href="#">Nevada</a>         | <a href="#">Oregon</a>         | <a href="#">Virginia</a>      |
| <a href="#">Arizona</a>              | <a href="#">Hawaii</a>   | <a href="#">Maryland</a>      | <a href="#">New Hampshire</a>  | <a href="#">Pennsylvania</a>   | <a href="#">Washington</a>    |
| <a href="#">Arkansas</a>             | <a href="#">Idaho</a>    | <a href="#">Massachusetts</a> | <a href="#">New Jersey</a>     | <a href="#">Rhode Island</a>   | <a href="#">West Virginia</a> |
| <a href="#">California</a>           | <a href="#">Illinois</a> | <a href="#">Michigan</a>      | <a href="#">New Mexico</a>     | <a href="#">South Carolina</a> | <a href="#">Wisconsin</a>     |
| <a href="#">Colorado</a>             | <a href="#">Indiana</a>  | <a href="#">Minnesota</a>     | <a href="#">New York</a>       | <a href="#">South Dakota</a>   | <a href="#">Wyoming</a>       |
| <a href="#">Connecticut</a>          | <a href="#">Iowa</a>     | <a href="#">Mississippi</a>   | <a href="#">North Carolina</a> | <a href="#">Tennessee</a>      | <a href="#">USA</a>           |
| <a href="#">Delaware</a>             | <a href="#">Kansas</a>   | <a href="#">Missouri</a>      | <a href="#">North Dakota</a>   | <a href="#">Texas</a>          |                               |
| <a href="#">District of Columbia</a> | <a href="#">Kentucky</a> | <a href="#">Montana</a>       | <a href="#">Ohio</a>           | <a href="#">Utah</a>           |                               |

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[Periodicals & Magazines](#)


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# ThruLines<sup>®</sup> for Elias Halper

ThruLines<sup>®</sup> uses Ancestry<sup>®</sup> trees to suggest that you may be related to 5 DNA matches through Elias Halper.

## Ancestry's Thrulines

Relationships List

 **Elias Halper**  
3rd great-grandfather  
1821-1892

 **Stephan Halper**  
2nd great-granduncle  
1846-1905  
3 DNA Matches ^

 **Joseph John Halper**  
1st cousin 3x removed  
1879-1955

 **Joseph John Halper**  
2nd cousin 2x removed  
1907-1989

 **Marie Rose Halper**  
2nd cousin 2x removed  
1909-1962


 **Melvin L Dathe**  
3rd cousin 1x removed  
1940-


 **Michael Halper**  
2nd great-granduncle  
1849-



**Robert Vasilopoulos**  
4th cousin  
9 cM | 1 segments

 **Anna Halper**  
2nd great-grandmother  
1852-

 **Louis Rosignal**  
Great-grandfather  
1876-1959

 **Mary E Rosignal**  
Paternal grandmother  
1912-2002

 **James G. Skerke**  
Father  
1932-

 **Linda Wilson**  
Half sister  
1,915 cM | 42 segments

 **Eric Migdal**

 **1\_**  
3rd cousin 1x removed  
34 cM | 3 segments

 **EH**  
E.H.  
3rd cousin 1x removed  
58 cM | 5 segments

 **ED**  
elaine dathe  
4th cousin  
13 cM | 1 segments

# 23andMe U.S. Based in California



- 2000+ Geographic regions of Ancestry Reports
- 50+ reports including Ancestry Composition , Ancestry Detail Reports, Maternal & Paternal Haplogroups , Neanderthal Ancestry
- DNA Match List
- Collection type – Saliva
- 4-6 weeks to results
- Find and connect with relatives in the 23andMe database who share DNA with you.
- Automatic Family Tree Builder starts a family tree automatically based on your DNA. You only get one tree.
- No subscription cost. Tools are free after the DNA test.

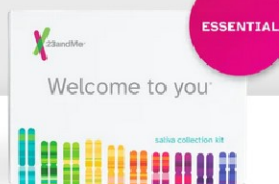

**BASIC**

## Ancestry + Traits Service

**\$99**

If you want the most comprehensive ancestry breakdown on the market.

- 2000+ Geographic regions
- Automatic Family Tree Builder
- 30+ Trait reports
- DNA Relative Finder
- [Learn more](#)


**ESSENTIAL**

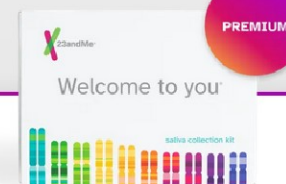
## Health + Ancestry Service

**\$199**

If you want to get a more complete picture of your health with insights from your genetic data.

### ← Everything in Basic, plus...

- 65+ health reports and features including:
- Health Predisposition reports \*
- Wellness reports
- Carrier Status reports \*
- Family Health History Tree
- [Learn more](#)


**PREMIUM**

## 23andMe+ Membership

~~\$199~~  
**\$169** + **\$29**  
 kit one year prepaid membership

If you want our Health + Ancestry Service plus access to new premium reports and features throughout the year.

### ← Everything in Essential, plus...

- Instant access to exclusive reports and features, including:
- Heart Health reports
- Pharmacogenetics reports (how you process certain medications) \*\*
- Migraine report (Powered by 23andMe research) ⓘ
- Skin Cancer (Basal and Squamous Cell Carcinomas) and Skin Cancer (Melanoma) reports (Powered by 23andMe research) ⓘ
- Plus new reports and features as more discoveries are made

Search keywords

Name, location, notes

Q

Reset

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Profile features and activity ⓘ ▼

Mother's side/Father's side ⓘ ▼

Ancestor birthplaces ⓘ ▼

Connections ⓘ ▼

Family names ⓘ ▼

|   |    |    |  |
|---|----|----|--|
| ☆ | LW |    | Half Sister<br>26.24% DNA shared, 38 segments<br>Invitation sent             |
| ☆ | LF |    | 1st Cousin<br>14.49% DNA shared, 36 segments                                 |
| ☆ | JN | JN | 1st Cousin, Once Removed<br>8.02% DNA shared, 21 segments<br>Invitation sent |
| ☆ | SA |    | 1st Cousin, Once Removed<br>7.34% DNA shared, 25 segments<br>Connected       |
| ☆ | KS |    | 1st Cousin, Once Removed<br>7.02% DNA shared, 17 segments<br>Connected       |
| ☆ | SN |    | 1st Cousin, Once Removed<br>6.64% DNA shared, 16 segments                    |
| ☆ | SP |    | 1st Cousin, Once Removed<br>1.37% DNA shared, 7 segments                     |



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Eric ▾

## Ancestry Composition

[Summary](#)[Scientific Details](#)[Frequently Asked Questions](#)[Share](#)[Print](#)

Eric

100%

**European 100%****Ashkenazi Jewish 50.7%** >**Northwestern European 43.7%** ▾**French & German 43.7%** >

Flanders, Belgium

North Rhine-Westphalia, Germany

+6 regions

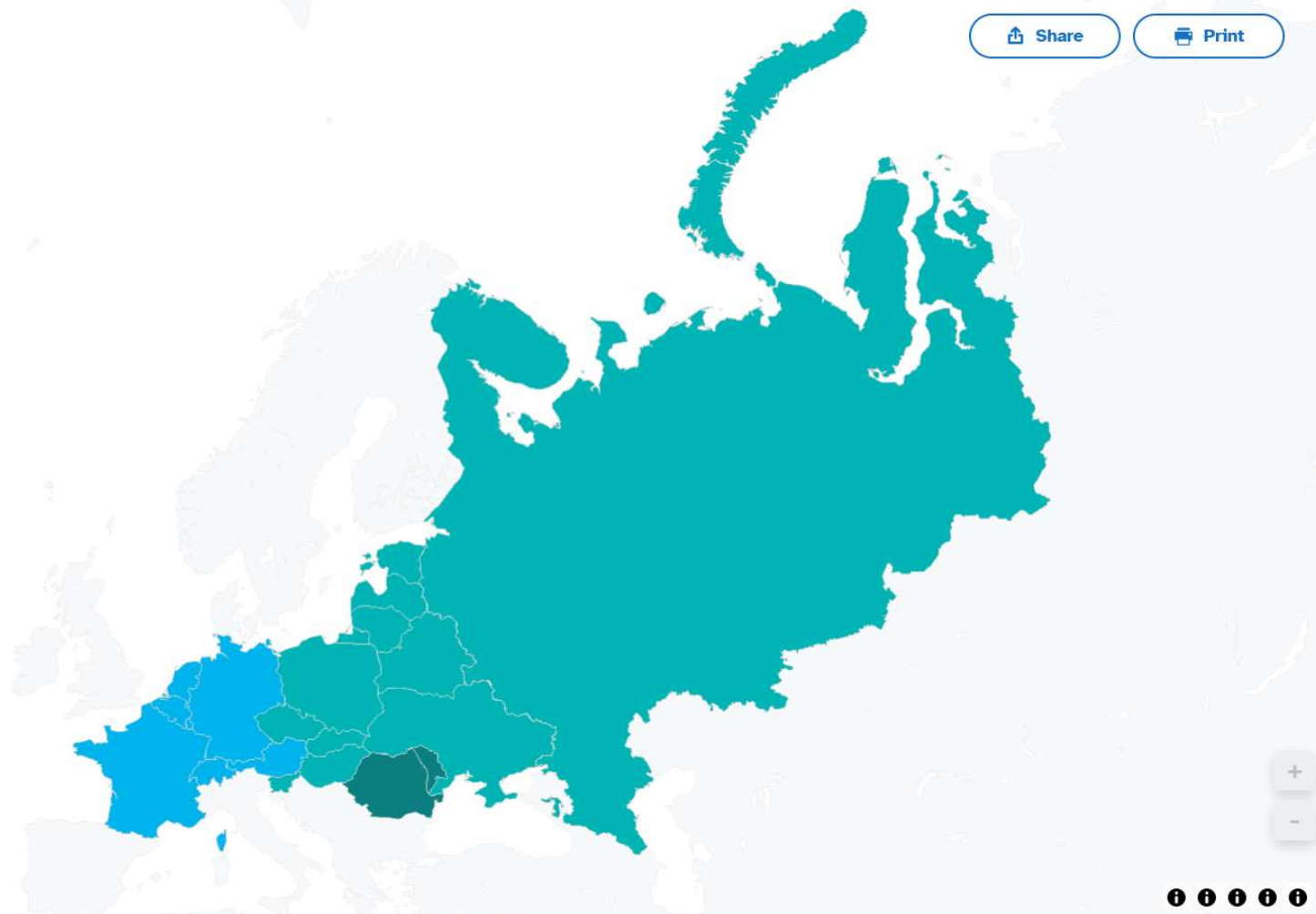
**Eastern European 5.6%** >

Masovian Voivodeship, Poland

Ivano-Frankivsk Oblast, Ukraine

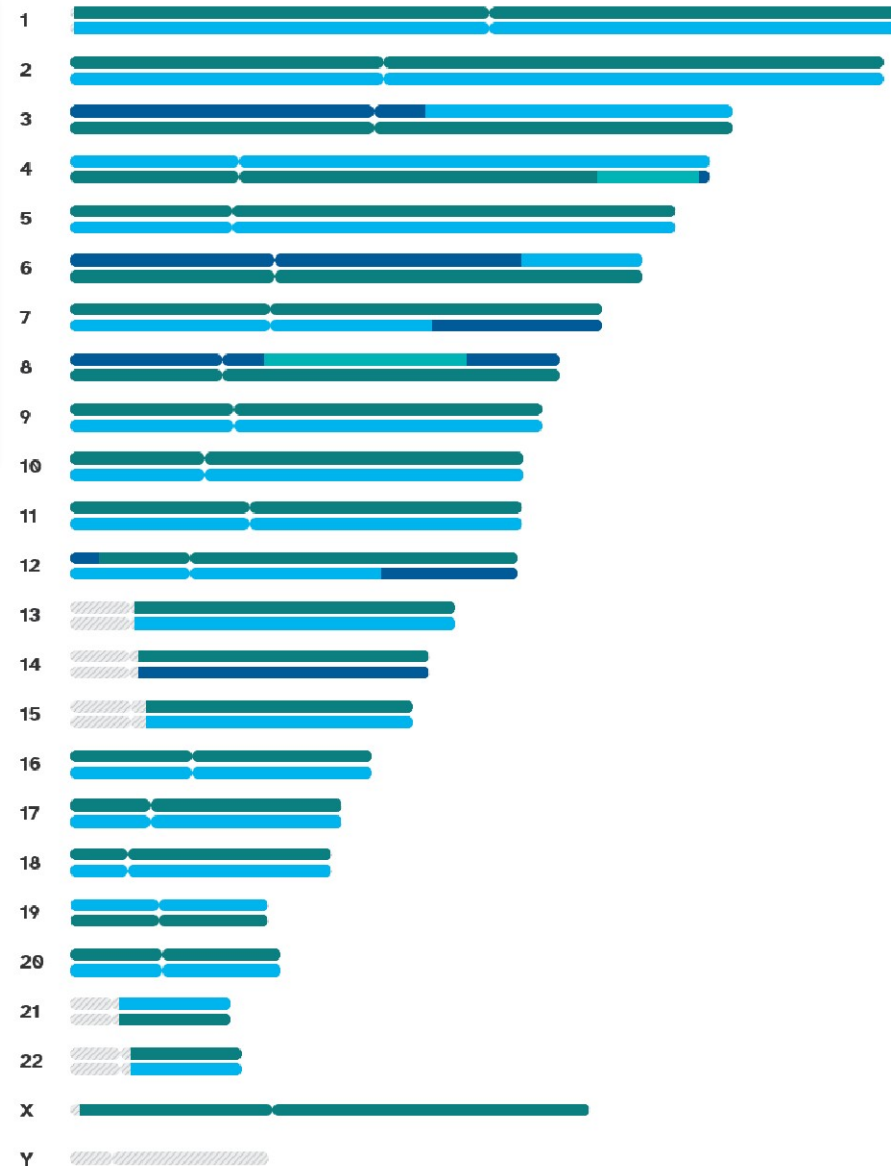
+9 regions

Updated: July 28, 2021 ⓘ

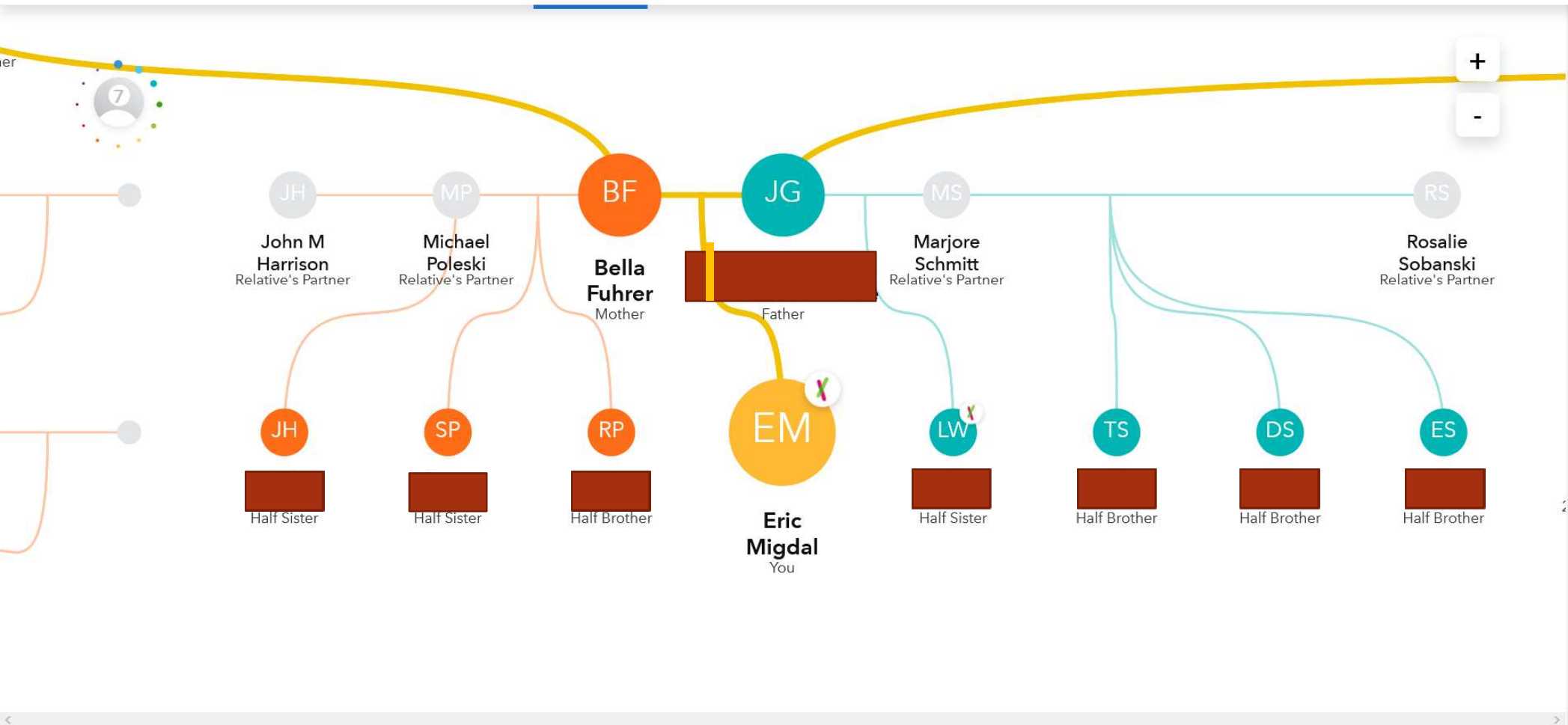
[See all tested populations](#)

| Eric Migdal           |       |
|-----------------------|-------|
|                       | 100%  |
| European              |       |
| 100%                  |       |
| Ashkenazi Jewish      | 50.6% |
| Northwestern European | 38.8% |
| French & German       | 38.8% |
| Eastern European      | 1.6%  |
| Broadly European      | 9.0%  |
| No Data Available     |       |

Your ethnicity based on each chromosome.





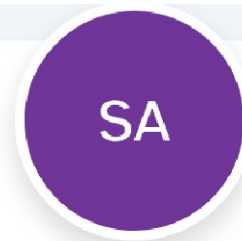


Shannon Andersen

Active

In the last month

 Message

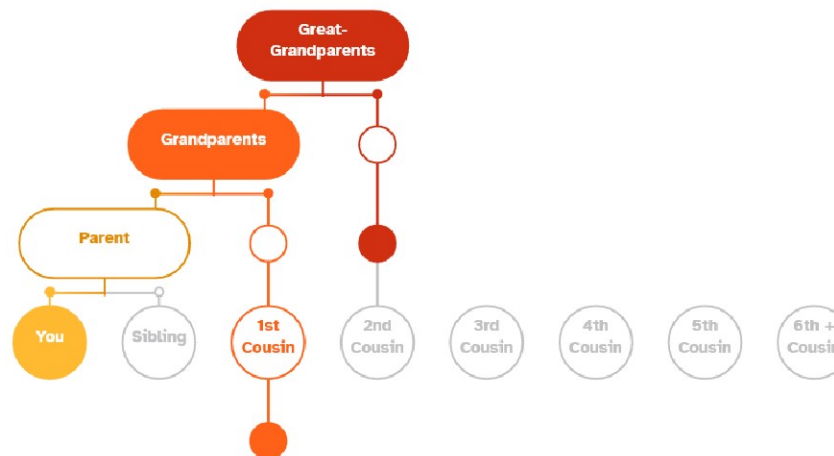


## Your genetic relationship

Relationship 

### 1st Cousin Once Removed

Your first cousin, once removed is either the child of your first cousin or a parent of your second cousin.



## Maternal Haplogroup

Maternal haplogroups identify ancient lines of women that all trace back to the same common ancestor.

You

**T1b**

[See full report](#)

Shannon

**T1b**

[See full report](#)

It is possible that you are recently related through a direct line of female ancestors, but it is also possible that you match because you share much older roots in the same part of the world.

## Paternal Haplogroup

Paternal haplogroups identify ancient lines of men that all trace back to the same common ancestor.

You

**R-L51**

[See full report](#)

Shannon

Not available

Although women inherit roughly 50% of their DNA from their fathers, they do not inherit Y chromosomes and, as a result, do not have paternal haplogroups.

## Neanderthal Ancestry

You have more Neanderthal variants than

**38%**

of 23andMe customers.

[See full report](#)

Shannon has more Neanderthal variants than

**34%**

of 23andMe customers.










[See full report](#)

## You have Relatives in Common

Each Relative in Common shares at least one small segment of DNA with Shannon.

## You have Relatives in Common

Each Relative in Common shares at least one small segment of DNA with Shannon.

| Relative in common  |                         | You                                   | Shannon                  | DNA Overlap  |
|---|-------------------------|---------------------------------------|--------------------------|---|
|    | <b>Lesly Fountain</b>   | Half Niece<br>(14.49)                 | 2nd Cousin<br>(3.55)     | Yes   |
|    | <b>JN</b>               | 1st Cousin, Once<br>Removed<br>(8.02) | Half Brother<br>(25.13)  | Request sent  |
|    | <b>Kimberly Sussman</b> | 1st Cousin, Once<br>Removed<br>(7.02) | 2nd Cousin<br>(2.40)     | Yes   |
|    | <b>Sean Nilles</b>      | 1st Cousin, Once<br>Removed<br>(6.64) | Half Brother<br>(25.72)  | Yes   |
|  | <b>NS</b>               | 2nd Cousin<br>(2.71)                  | 3rd Cousin<br>(1.27)     | Connect to view   |
|  | <b>Amy LaDeroute</b>    | 2nd Cousin<br>(2.33)                  | 3rd Cousin<br>(0.82)     | Connect to view   |
|  | <b>Jack Moss</b>        | 2nd Cousin<br>(2.12)                  | Distant Cousin<br>(0.20) | Yes   |
|  | <b>Stephen Sanoff</b>   | 2nd Cousin<br>(1.15)                  | Distant Cousin<br>(0.26) | Yes   |

# My Heritage DNA – Based in Israel



- Over 100 million users and 20 billion historical records available
- Uncover the geographic and ethnic origins of your ancestors
- DNA Match List
- Build your family tree
- Available in over 40 languages
- DNA Collection Type: Cheek Swab
- GEO Regions: 200 Regions
- DNA Test Type: Autosomal
- Time to Result: 3-4 Weeks

## Subscription plans

The Basic plan is free and gives you a family tree of up to 250 people.

The four annual subscription plans provide access to additional features and content.

|                                 | <br>Limited family tree | <br>Enhanced family tree                |  | <br>Access to all historical records  | <br>The ultimate package                  |
|---------------------------------|-------------------------|---|--|---------------------------------------|---|
|                                 | Basic<br>Free           | Premium<br>\$129/year<br>1st year: \$89 | PremiumPlus<br>\$209/year<br>1st year: \$149 | Data<br>\$189/year<br>1st year: \$129 | Complete<br>\$299/year<br>1st year: \$199 |
| Family tree size                | 250 people              | 2,500 people                            | Unlimited                                    | 250 people                            | Unlimited                                 |
| Priority customer support       | —                       | ✓                                       | ✓  | ✓                                     | ✓   |
| Smart Matches™                  | —                       | ✓                                       | ✓  | —                                     | ✓   |
| Advanced DNA features           | —                       | ✓                                       | ✓  | —                                     | ✓   |
| Instant Discoveries™            | —                       | —                                       | ✓  | —                                     | ✓   |
| Tree Consistency Checker        | —                       | —                                       | ✓  | —                                     | ✓   |
| 15.7 billion historical records | —                       | —                                       | —  | ✓                                     | ✓   |
| Record Matches                  | —                       | —                                       | —  | ✓                                     | ✓   |
| Save records to your tree       | —                       | —                                       | —  | ✓                                     | ✓   |
|                                 |                         | <a href="#">Learn more</a>              | <a href="#">Learn more</a>                   | <a href="#">Learn more</a>            | <a href="#">Learn more</a>                |

Showing 1–10 of 25,533 DNA Matches

Filters

Sort by

**amanda migdal**

Age: 20's

From: USA

[Contact amanda](#)

Estimated relationship

**Daughter**

DNA Match quality

Shared DNA: **49.2%** (3,486.8 cM)Shared segments: **25**Largest segment: **217.5 cM**[Review DNA Match](#)[View tree](#)

Appears in a family tree with 62 people that she manages

Ancestral surnames common to you and amanda migdal include [Migdal](#) and [Fuhrer](#).Your family tree has 3 Smart Matches™ with this tree. [View Smart Matches](#)**Kimberly Sussman**

Age: 40's

From: USA

[Contact Kimberly](#)

Estimated relationships

**1st cousin once removed - 2nd cousin**

DNA Match quality

Shared DNA: **6.4%** (453.5 cM)Shared segments: **17**Largest segment: **58 cM**[Review DNA Match](#)[View tree](#)

Appears in a family tree with 94 people that she manages

Kimberly Sussman is your 1st cousin once removed according to the Theory of Family Relativity™. [View theory](#)Ancestral surnames common to you and Kimberly Sussman include [Fuhrer](#).Your family tree has one Smart Match™ with this tree. [View Smart Match](#)

Tree limit exceeded Upgrade now

Migdal Web Site



eric migdal



Help



English



Home

Family tree

Discoveries

Photos NEW

DNA

Research



Migdal Eric Migdal

Family view



Eric Migdal

This is you

\* May 4 1966 (age 56)

Research this person >



Profile



Edit



Add



More

#### DISCOVERIES

One confirmed Smart Match™

3 pending Record Matches

DNA Matches

#### PHOTOS & VIDEOS

+ Add

#### BIOGRAPHY

+ Add

#### IMMEDIATE FAMILY

+ Add

#### FACTS

+ Add

8 of 8 people

Generations: 5+

Find a person...



Add father

Add mother

Discovery!

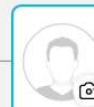
Discovery!



Unknown



Bella Poleski  
(born Fuhrer)  
Deceased



Unknown



Eric Migdal  
1966



Amy Migdal  
(born Wiessberg)  
1967



Susan Sonkin  
(born Poleski)



Amanda Migdal  
1997



Stephen Chester  
2003

By continuing to use our site, you agree to our [cookie policy](#). You can [opt out](#) of some cookies.



We found



**Bella Fuhrer**  
Mother

**Birth:** Aug 21 1927 - Zeigler, Franklin, Illinois, USA  
**Death:** May 10 2003 - Miami, Miami-dade, Florida, USA  
**Parents:** Joseph Fuhrer and Julia Spilka  
**Sisters:** Molly, Sophie and Idie  
**Partners:** John M Harrison and Michael Poleski  
**Children:** Ronald S and Susan

From tree managed by K. Sussman from USA



**Joseph Fuhrer**  
Her father



**Julia Spilka**  
Her mother



**Ignacz Yitzchak Fuhrer**  
Her grandfather



**Sali Szali Eigner**  
Her grandmother



**Molly Fuhrer**  
Her sister



**Sophie Fuhrer**  
Her sister



**Idie Fuhrer**  
Her sister



**Schaya-David Spilka**  
Her grandfather



**Rosa Lotz**  
Her sister

[Back to discoveries](#)

[Reject Discovery](#)

[Add to your tree](#)



eric migdal, this is you

Kit: AN-DC045F



Test additional family members

Get suggestions

Overview

Ethnicity Estimate

DNA Matches

DNA Tools

### Your ethnicity results

GENETIC GROUPS CONFIDENCE LEVEL



#### EUROPE

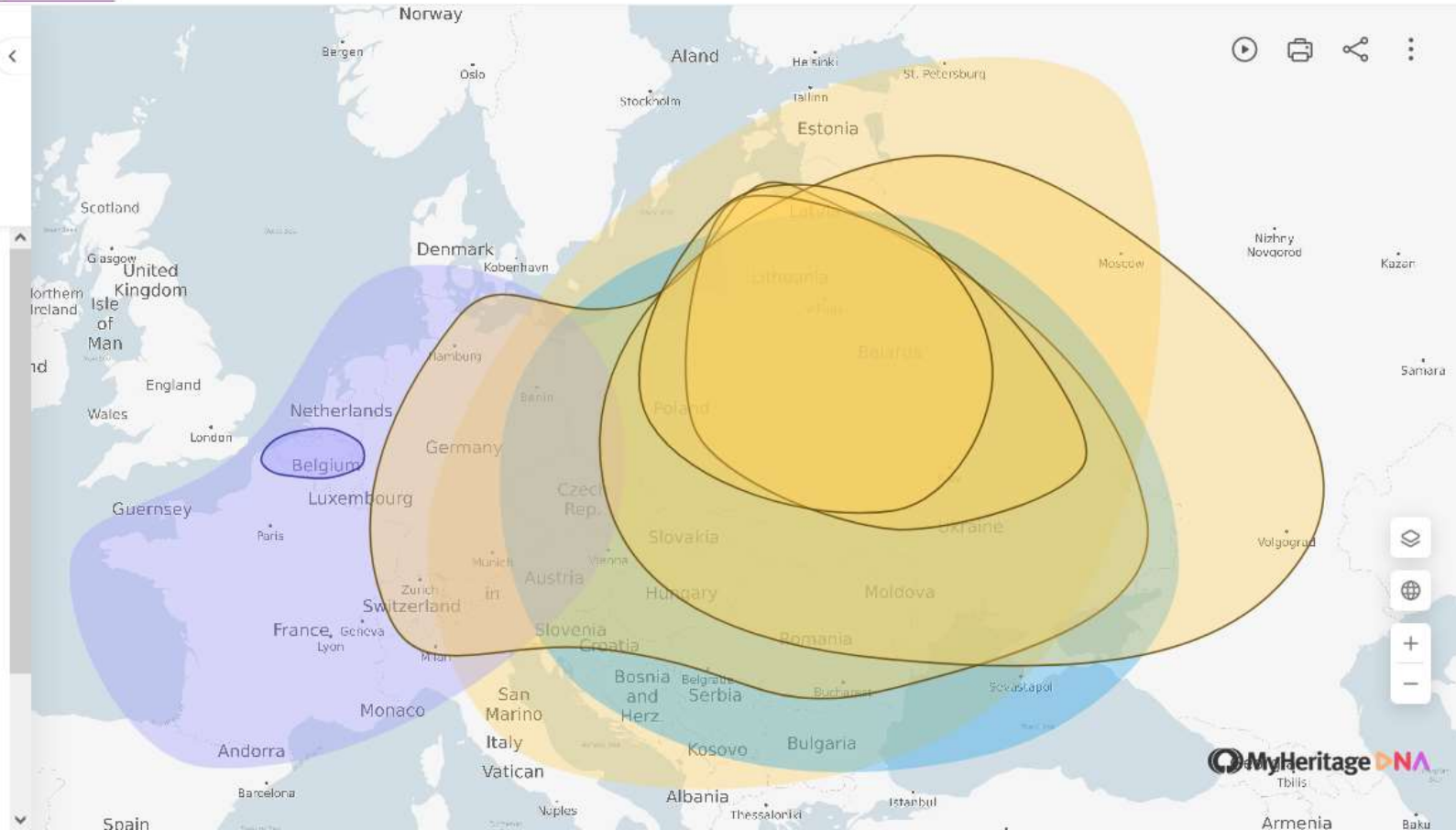
##### Ashkenazi Jewish 48.1%

- Eastern and Central Europe, mostly Poland, Germany, Ukraine, Lithuania, Belarus and Russia
- Eastern Europe, mostly Lithuania, Poland and Belarus
- Eastern Europe, mostly Belarus, Russia, Ukraine, Poland and Lithuania
- Poland, Ukraine, Russia and Romania

##### North and West European 45.4%

- Flemish in Belgium (Flanders and Brussels), Netherlands (Hulst) and in France (Nord)

##### East European 6.5%



## Search historical records

Explore your family history in MyHeritage's database of 16.8 billion historical records








ADD DETAILS






### What type of records are you looking for?



Census & Voter Lists

1,419,199,573 records



Family Trees

7,129,028,963 records



Birth, Marriage & Death

3,286,080,048 records



Photos

462,663,291 records



Military

72,729,166 records



Tree limit exceeded [Upgrade now](#)



Migdal Web Site



999+



eric migdal



Help



English



Home

Family tree

Discoveries

DNA

Research

# Chromosome Browser — One-to-many

Select up to 7 DNA Matches to view shared DNA segments

Compare

To 2 DNA Matches —Add or remove DNA Matches or compare now

Clear

eric migdal

This is you



Compare

Select DNA Matches for kit: AN-DC045F


DNA Match name




## Chromosome Browser — One-to-many ?

You and all of the selected DNA Matches share 10 triangulated segments

[Add or remove DNA Matches](#)




You




Shared DNA  
49.2% (3,486.8 cM)

Shared segments  
25

Largest segment  
217.5 cM



You

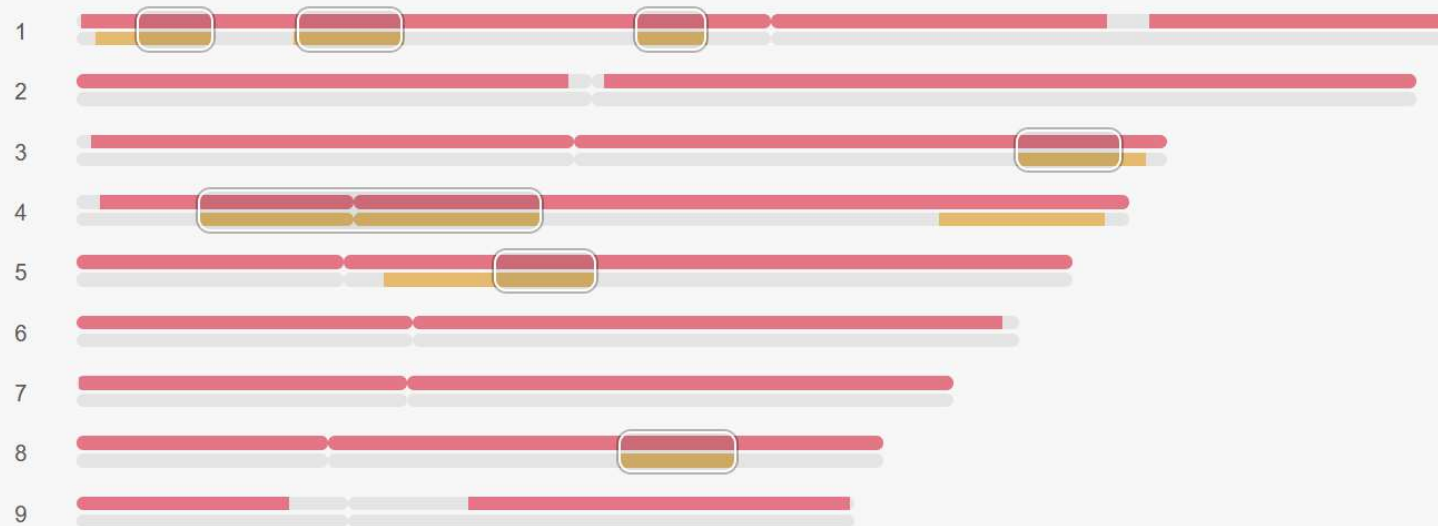


Shared DNA  
6.4% (453.5 cM)

Shared segments  
17

Largest segment  
58 cM

Show triangulated segments that are at least: 2 cMs



# Family Tree DNA (FTDNA) U.S. Based in Houston



- Get a breakdown of ethnicities that contributed to your genes.
- See how your DNA compares to ancient populations, from DNA samples found in archaeological dig sites.
- Get your mitochondrial DNA analyzed, giving you specifics about your maternal side (mtDNA test)
- Several options for Y-DNA testing, allowing you to get insights on your paternal side (Y-DNA test) \$119 to \$449
- Collection type – Cheek Swab
- Results in about 2-4 weeks





"...Great product, super easy to follow instructions, clear breakdown of DNA results, all at a great price!"

- ✓ We'll never share your DNA
- ✓ Quick & easy DNA kit

## Y-CHROMOSOME



### Explore your Father's Line

For genetic males

- ✓ Trace your surname to its roots and build your family tree
- ✓ Explore your heritage on your paternal line
- ✓ Connect with your paternal-line relatives in our Y-DNA database
- ✓ Follow the migration paths of your male ancestors

FROM

**\$119** USD

[Shop now](#)

[Learn more](#)



MOST POPULAR

FAMILY  
FINDER

## Discover your Family Ancestry

- ✓ Get a percentage breakdown of your origins and view where each DNA segment comes from
- ✓ Connect with your autosomal DNA relatives within the last 5 generations
- ✓ Learn if you have a connection with ancient European groups
- ✓ Compare matching segments of DNA (blocks) with your genetic matches

\$79<sup>USD</sup>

Add to cart

[Learn more](#)



mtDNA

## Explore your Mother's Line

- ✓ Explore your heritage on your maternal line by testing your mitochondrial (mt) DNA
- ✓ Connect with your maternal-line relatives in our mtDNA database
- ✓ Follow the migration paths of your female ancestors
- ✓ Receive a personalized mtDNA Full Sequence video

\$159<sup>USD</sup>

Add to cart

[Learn more](#)



WELLNESS  
BUNDLE

## Your Family Ancestry + Wellness

- ✓ All the benefits of Family Finder
- ✓ myDNA Personalized Wellness service, you'll receive insights related to your health and wellness—all based on your DNA
- ✓ 30+ Health & Wellness Insights
- ✓ Access to the myDNA Unlocked app that includes a 30-day free membership to DNA-powered meal and workout plans

\$119<sup>USD</sup>

Add to cart

[Learn more](#)



All Matches

Detail View


Table View

☐ Exact Search


Search

All



All (23568)

 Paternal (0) Maternal (1) Both (0) Filter Sort by Export CSV☐  Linda Wilson  Ancestral Surnames  
Not ProvidedHaplogroup  
mtDNA:  N/ARelationship Range  
Half Sibling, Uncle/Aunt  
/Niece/Nephew,...  
[Link on Family Tree](#)Shared DNA  
2034 cMLongest Block  
148 cMX Match  
No Match


Match date: May 20 2021

☐  Janice Goldstein  Ancestral Surnames | [View Details](#)  
Coleman, Goldstein, Hollander, Marmor,  
Peshier, SchectmanHaplogroup  
mtDNA:  N/ARelationship Range  
2nd Cousin - 4th Cousin  
[Link on Family Tree](#)Shared DNA  
81 cMLongest Block  
44 cMX Match  
No Match

Match date: May 20 2021

☐  Judd Eisenberg  Ancestral Surnames  
Not ProvidedHaplogroup  
Y-DNA:  N/A  
mtDNA:  N/ARelationship Range  
2nd Cousin - 4th Cousin  
[Link on Family Tree](#)Shared DNA  
67 cMLongest Block  
31 cMX Match  
No Match

Match date: May 20 2021

☐  Pearl Mansbach  Ancestral Surnames | [View Details](#)  
landesman, mansbachHaplogroup  
mtDNA:  N/ARelationship Range  
2nd Cousin - 4th Cousin  
[Link on Family Tree](#)Shared DNA  
64 cMLongest Block  
34 cMX Match  
No Match

Match date: May 20 2021





# The Shared cM Project 4.0 tool v4

[Read more about the tool and this update](#)

## March 2020

Blaine T. Bettinger  
[www.thegeneticgenealogist.com](http://www.thegeneticgenealogist.com)  
[More about this project](#)  
[CC 4.0 Attribution License](#)  
Interactive version v4 by [Jonny Perl](#) at [DNA Painter](#)  
[Click here to contribute data to the shared cM project](#)  
Last updated 26th March 2020

Important

- For relationships more distant than Half 2C, the averages were determined only for relationships in which DNA was shared.
- The more distant a relationship, the more likely it is that you won't share DNA at all ([read more](#))
- These statistics do not cater for pedigree collapse or endogamy

Other versions

[Beta with updated probabilities](#)  
[With editable boxes](#)  
[Shared cM 3.0 \(2017\) version](#)

Filter

Enter the total number of cM for your match here:

1915

↑ ↓

reset

or enter %

Then any relationships that fit will stand out below

[Click here for a shareable link to the cM amount above](#)

### How to read this chart

| Relationship                      |
|-----------------------------------|
| Average                           |
| Range                             |
| (low to high;<br>99th percentile) |

Most distant common ancestors

Assuming no [pedigree collapse](#) or [endogamy](#), and that you're related in just one way, the **furthest** back you might need to go to find common ancestors for a match of 1915cM is **Grandparent level**.

*The connection may be closer. Also, depending on your family, this match could be a close younger generation relative, such as the descendant of your sibling.*

Relationship probabilities (based on stats from [The DNA Geek](#))

|      |                |              |              |
|------|----------------|--------------|--------------|
| 100% | Grandparent    | Aunt / Uncle | Half Sibling |
|      | Niece / Nephew | Grandchild   |              |

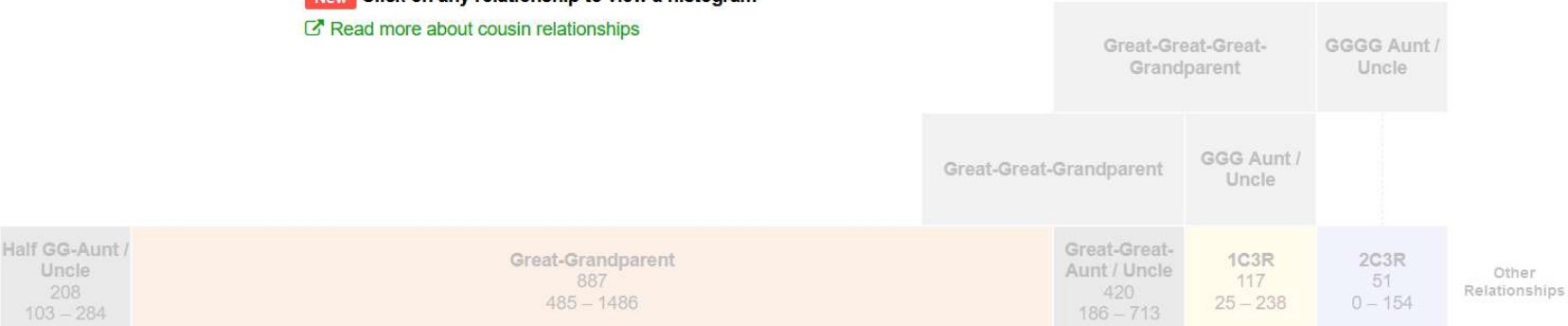
~ 0%    \*\* Sibling

\*\* this set of relationships is just within the threshold for 1915cM, but has a zero probability in theDNAgeek's table of probabilities

**New** [Click on any relationship to view a histogram](#)

[Read more about cousin relationships](#)

# DNA Painter



|  |   |  |   |  |                                       |                                     | Great-Grandparent                            |                         | GGG Aunt / Uncle      |                       |                      |  |
|--|---|--|---|--|---------------------------------------|-------------------------------------|--|-------------------------|-----------------------|-----------------------|----------------------|--|
|  |   |  |   |  |                                       |                                     | Great-Great-Grandparent                      |                         | GGG Aunt / Uncle      |                       |                      |  |
| Half GG-Aunt / Uncle<br>208<br>103 – 284 | Great-Grandparent<br>887<br>485 – 1486      |  |   |  |                                       |                                     | Great-Great-Aunt / Uncle<br>420<br>186 – 713 | 1C3R<br>117<br>25 – 238 | 2C3R<br>51<br>0 – 154 | Other Relationships   |                      |  |
| Half 1C2R<br>125<br>16 – 269             | Half Great-Aunt / Uncle<br>431<br>184 – 668 | Grandparent<br>1754<br>984 – 2462      |   |  |                                       |                                     | Great-Aunt / Uncle<br>850<br>330 – 1467      | 1C2R<br>221<br>33 – 471 | 2C2R<br>71<br>0 – 244 | 3C2R<br>36<br>0 – 166 | 6C<br>18<br>0 – 71   |  |
| Half 2C1R<br>66<br>0 – 190               | Half 1C1R<br>224<br>62 – 469                | Half Aunt / Uncle<br>871<br>492 – 1315 | Parent<br>3485<br>2376 – 3720                 |  |                                       | Aunt / Uncle<br>1741<br>1201 – 2282 | 1C1R<br>433<br>102 – 980                     | 2C1R<br>122<br>14 – 353 | 3C1R<br>48<br>0 – 192 | 4C1R<br>28<br>0 – 126 | 6C1R<br>15<br>0 – 56 |  |
| Half 3C<br>48<br>0 – 168                 | Half 2C<br>120<br>10 – 325                  | Half 1C<br>449<br>156 – 979            | Half Sibling<br>1759<br>1160 – 2436           | Sibling<br>2613<br>1613 – 3488                 | SELF                                  | 1C<br>866<br>396 – 1397             | 2C<br>229<br>41 – 592                        | 3C<br>73<br>0 – 234     | 4C<br>35<br>0 – 139   | 5C<br>25<br>0 – 117   | 6C2R<br>13<br>0 – 45 |  |
| Half 3C1R<br>37<br>0 – 139               | Half 2C1R<br>66<br>0 – 190                  | Half 1C1R<br>224<br>62 – 469           | Half Niece / Nephew<br>871<br>492 – 1315      | Niece / Nephew<br>1740<br>1201 – 2282          | Child<br>3487<br>2376 – 3720          | 1C1R<br>433<br>102 – 980            | 2C1R<br>122<br>14 – 353                      | 3C1R<br>48<br>0 – 192   | 4C1R<br>28<br>0 – 126 | 5C1R<br>21<br>0 – 80  | 7C<br>14<br>0 – 57   |  |
| Half 3C2R<br>27<br>0 – 78                | Half 2C2R<br>48<br>0 – 144                  | Half 1C2R<br>125<br>16 – 269           | Half Great-Niece / Nephew<br>431<br>184 – 668 | Great-Niece / Nephew<br>850<br>330 – 1467      | Grandchild<br>1754<br>984 – 2462      | 1C2R<br>221<br>33 – 471             | 2C2R<br>71<br>0 – 244                        | 3C2R<br>36<br>0 – 166   | 4C2R<br>22<br>0 – 93  | 5C2R<br>18<br>0 – 65  | 7C1R<br>12<br>0 – 50 |  |
| Half 3C3R                                | Half 2C3R                                   | Half 1C3R<br>60<br>0 – 120             | Half GG-Niece / Nephew<br>208<br>103 – 284    | Great-Great-Niece / Nephew<br>420<br>186 – 713 | Great-Grandchild<br>887<br>485 – 1486 | 1C3R<br>117<br>25 – 238             | 2C3R<br>51<br>0 – 154                        | 3C3R<br>27<br>0 – 98    | 4C3R<br>19<br>0 – 60  | 5C3R<br>13<br>0 – 30  | 8C<br>11<br>0 – 42   |  |



|  |   |  |   |  |                                       |   | Great-Great-Grandparent                      |                         | GGG Aunt / Uncle      |                       |                      |  |
|--|---|--|---|--|---------------------------------------|---|--|-------------------------|-----------------------|-----------------------|----------------------|--|
| Half GG-Aunt / Uncle<br>208<br>103 – 284 | Great-Grandparent<br>887<br>485 – 1486      |  |   |  |                                       |   | Great-Great-Aunt / Uncle<br>420<br>186 – 713 | 1C3R<br>117<br>25 – 238 | 2C3R<br>51<br>0 – 154 | Other Relationships   |                      |  |
| Half 1C2R<br>125<br>16 – 269             | Half Great-Aunt / Uncle<br>431<br>184 – 668 | Grandparent<br>1754<br>984 – 2462      |   |  |                                       | Great-Aunt / Uncle<br>850<br>330 – 1467 | 1C2R<br>221<br>33 – 471                      | 2C2R<br>71<br>0 – 244   | 3C2R<br>36<br>0 – 166 | 6C<br>18<br>0 – 71    |                      |  |
| Half 2C1R<br>66<br>0 – 190               | Half 1C1R<br>224<br>62 – 469                | Half Aunt / Uncle<br>871<br>492 – 1315 | Parent<br>3485<br>2376 – 3720                 |  |                                       | Aunt / Uncle<br>1741<br>1201 – 2282     | 1C1R<br>433<br>102 – 980                     | 2C1R<br>122<br>14 – 353 | 3C1R<br>48<br>0 – 192 | 4C1R<br>28<br>0 – 126 | 6C1R<br>15<br>0 – 56 |  |
| Half 3C<br>48<br>0 – 168                 | Half 2C<br>120<br>10 – 325                  | Half 1C<br>449<br>156 – 979            | Half Sibling<br>1759<br>1160 – 2436           | Sibling<br>2613<br>1613 – 3488                 | SELF                                  | 1C<br>866<br>396 – 1397                 | 2C<br>229<br>41 – 592                        | 3C<br>73<br>0 – 234     | 4C<br>35<br>0 – 139   | 5C<br>25<br>0 – 117   | 6C2R<br>13<br>0 – 45 |  |
| Half 3C1R<br>37<br>0 – 139               | Half 2C1R<br>66<br>0 – 190                  | Half 1C1R<br>224<br>62 – 469           | Half Niece / Nephew<br>871<br>492 – 1315      | Niece / Nephew<br>1740<br>1201 – 2282          | Child<br>3487<br>2376 – 3720          | 1C1R<br>433<br>102 – 980                | 2C1R<br>122<br>14 – 353                      | 3C1R<br>48<br>0 – 192   | 4C1R<br>28<br>0 – 126 | 5C1R<br>21<br>0 – 80  | 7C<br>14<br>0 – 57   |  |
| Half 3C2R<br>27<br>0 – 78                | Half 2C2R<br>48<br>0 – 144                  | Half 1C2R<br>125<br>16 – 269           | Half Great-Niece / Nephew<br>431<br>184 – 668 | Great-Niece / Nephew<br>850<br>330 – 1467      | Grandchild<br>1754<br>984 – 2462      | 1C2R<br>221<br>33 – 471                 | 2C2R<br>71<br>0 – 244                        | 3C2R<br>36<br>0 – 166   | 4C2R<br>22<br>0 – 93  | 5C2R<br>18<br>0 – 65  | 7C1R<br>12<br>0 – 50 |  |
| Half 3C3R                                | Half 2C3R                                   | Half 1C3R<br>60<br>0 – 120             | Half GG-Niece / Nephew<br>208<br>103 – 284    | Great-Great-Niece / Nephew<br>420<br>186 – 713 | Great-Grandchild<br>887<br>485 – 1486 | 1C3R<br>117<br>25 – 238                 | 2C3R<br>51<br>0 – 154                        | 3C3R<br>27<br>0 – 98    | 4C3R<br>19<br>0 – 60  | 5C3R<br>13<br>0 – 30  | 8C<br>11<br>0 – 42   |  |

# Transferring your DNA Data to other sites.



- AncestryDNA® and 23 and Me® results data can be transferred to other sites in order to find more possible matches of your family.
- AncestryDNA® and 23 and Me do not allow you to upload DNA Data to their sites.
- You can transfer your DNA to My Heritage, FTDNA and LivingDNA for free.
- Gedmatch® is a open public data base that accepts DNA data from Ancestry, 23 and Me®, My Heritage®, FamilyTreeDNA® (FTDNA) and LivingDNA®
- The results of the transfer will show a data base of DNA matches across all the DNA companies.
- Since Gedmatch® is a open and public forum, the privacy of your data is not completely secure and can be viewed by anyone wishing to check that database
- You can decide the level of privacy you wish to achieve on Gedmatch®.
- Gedmatch® was used to find family information that ultimately lead to the arrest of the Golden State Killer who was sought after for almost 40 years.

## 2ND COUSIN



[shanandersen](#)

Possible range: 1st - 2nd cousins

Confidence: Extremely High

Shared DNA: 501 cM across 25 segments

**1<sup>st</sup> Cousin 1x removed**  
Her Great Grandparents  
are my Grandparents.

Unlinked Tree

[View Match](#)

[Compare](#)



[Ina Scimeca](#)

Possible range: 2nd - 3rd cousins

Confidence: Extremely High

Shared DNA: 230 cM across 13 segments

**2<sup>nd</sup> Cousin 1x removed**  
Her Great Grandparents are  
My Great Great Grandparents

No Trees

[View Match](#)

[Compare](#)



[N.F. \(managed by NFuhrer35\)](#)

Possible range: 2nd - 3rd cousins

Confidence: Extremely High

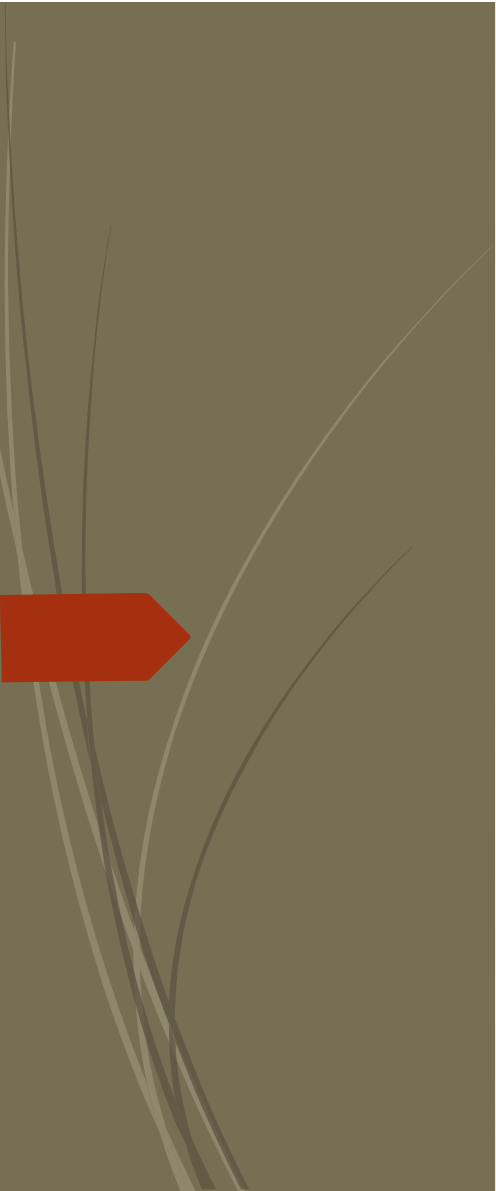
Shared DNA: 208 cM across 10 segments

**½ 1<sup>st</sup> Cousin 1x removed**  
His Grandfather is my  
Great Grandfather.  
His Grandmother is not  
related to me.

7,284 people

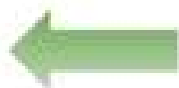
[View Match](#)

[Compare](#)

- 
- DNA Testing is a fun and exciting way of learning more about your family's history and finding new family members.
  - All of the companies I discussed today are for profit companies
  - I do not work for any of the companies, nor do I recommend one over another.
  - I recommend that you do your own research to decide which company will best suit you and your family research.
  - Each company uses their own formula or algorithm to decipher the DNA you provide to them, so each may have different ethnicity results.
  - Consider each company's costs, features, and privacy options best for you.
  - Remember not to pay for subscriptions to companies if you are not using them



Meeting family



My cousin  
Norman Fuhrer



My Sister  
Linda Wilson





# It's All Relative Genealogy, LLC

## Family History Research

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