

Using GEDMATCH

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Also see: <http://blog.kittycooper.com/tag/gedmatch/>

What is GEDmatch.com?

GEDmatch is a FREE, non-profit, “do-it-yourself” genomics website that allows DNA testers to upload raw data from FTDNA, AncestryDNA, and 23andMe to compare with a large database of data that has been voluntarily uploaded by other testers.

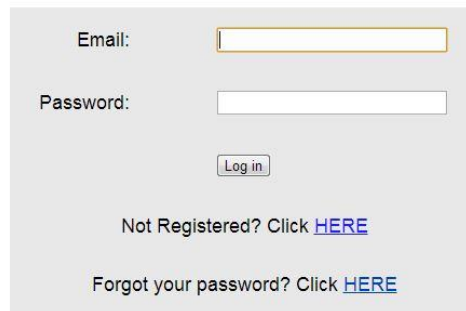
A description of the types of comparisons will follow. GEDmatch uses a slightly different algorithm for the comparison so some additional matches may be available, as well as some different views of the comparisons. This can also help provide contact information for some matches. Everyone should take advantage of this opportunity. GEDmatch is not affiliated with any of the testing companies.

The <http://www.GEDmatch.Com> site provides tools for making 'deep' comparisons between genealogies and DNA test results to help identify possible hidden ancestral connections with distant cousins. This is particularly useful when your GEDCOM or list of DNA matches contains hundreds, or even thousands of individuals. This service is provided **free** to anybody.

It is now required to register at GEDMatch

Registration and Log in is now required for all new and returning GEDmatch users

This is something we have been planning for about a year now. It will allow us to add some new functionality.



Email:

Password:

Not Registered? Click [HERE](#)

Forgot your password? Click [HERE](#)

If you are not yet registered , please do so. The new main page has a new look –

Note that existing 'F' (FTDNA) kit numbers on GEDmatch have been changed to 'T' followed by a random kit number. This change does not affect Ancestry or 23andMe kit numbers. Name and email information for matches will stay the same, and can be used to retain continuity in your records.

We are once again accepting FTDNA file uploads - new format files ("concatenated") only. The new format from FTDNA combines autosomal and X-DNA so only one upload is required.

We are now accepting DNA file uploads from WeGene. We wish to welcome WeGene customers to GEDmatch. Please make sure your DNA file is zipped before uploading.

Thank you for your support.

The number of online users is 144.

Information

Your Log-in Profile

Karin Corbeil

Tier 1 Member

To change your login password, click [HERE](#)

Server IP: 172.31.40.108

Learn More

- [GEDmatch Forums](#).
- [GEDmatch wiki](#)
- [GEDmatch FAQ page](#)
- [DNA for 'Dummies'](#)
- [User Lookup](#)
Find information on your matches
- [Site Policy Statement](#)

Your DNA Resources

A120592	Tamm	
A606873	Bobb	
A650375	Karin Foley-Corbeil	(Karin Corbeil)
A675777	Diana	
A926054	James	
T825907	Jame	
T086112	Karin Corbeil	
T426528	Todr	
T037917	Bill	
T232062	Robert	
T442954	Ro	

File Uploads

Raw DNA file Uploads

We are now accepting the new format FTDNA raw DNA files. The new file format is now available for download from the FTDNA site. Old format files are no longer being accepted.

- FTDNA concatenated DNA file
- WeGene upload **BETA**
NOTE: File must be zipped before uploading
- 23andMe
- 23andMe fast & easy **NEW**
- Ancestry.Com
Do NOT un-zip raw DNA data files before uploading.

Genealogy - Family Trees

- GEDCOM genealogy Upload
- GEDCOM genealogy Upload **Fast Beta version**

Analyze Your Data

DNA raw data

- 'One-to-many' matches
- 'One-to-one' compare
- X 'One-to-one'
- Admixture (heritage)
- Admixture/Oracle with Population Search
- Phasing
- People who match one or both of 2 kits **Updated**
- Predict Eye Color
- Are your parents related?
- 3D Chromosome Browser
- Archaic DNA matches

Genealogy

- 1 GEDCOM to all
- 2 GEDCOMs
- Search all GEDCOMs **Revised**
- GEDCOM + DNA matches

It lists all or any kits that are currently associated with your email address.

(The following instructions to Upload you Raw Data may be outdated, please check the site).

Upload your Raw Data

To upload your raw data and become a part of GEDmatch, click on the appropriate link to the company you tested with under "**Upload data from your testing company**"

When downloading your data from Ancestry, FTDNA or 23andMe, if your un-zip utility, or some other program tries to open the program, it is important that you try to save the file without opening it, un-zipping it, or altering it in any way. Do not rename the file.

File Uploads

Raw DNA file Uploads

We are now accepting the new format FTDNA raw DNA files. The new file format is now available for download from the FTDNA site. Old format files are no longer being accepted.

- FTDNA concatenated DNA file
- WeGene upload BETA
NOTE: File must be zipped before uploading
- 23andMe
- 23andMe *fast & easy* NEW
- Ancestry.Com

Do NOT un-zip raw DNA data files before uploading.

If you go to the upload page for the DNA company whose raw data you wish to upload there is a link for instructions as to how to download your raw data from the DNA company's site. "[Click HERE for detailed upload instructions.](#)"

On the upload page there are a few questions that **you want to be assured are answered:**

The screenshot shows the FTDNA upload form with the following fields and options:

- Name of Donor:** Text input field. Below it, a note: "Spelling should EXACTLY match spelling used on FTDNA site including capitalization, initials, periods, etc. Some programs on this site will not work correctly if this is not the same as the name in your FTDNA profile."
- Alias (optional):** Text input field. Below it, a note: "If you don't want your full name displayed as it is listed by FTDNA, you may substitute an alias. Otherwise, leave this blank. If you enter an alias here, it will be shown on autosomal report pages instead of the name you entered above. The alias should be similar to your full name, and should be long enough so that there aren't conflicts with other users of this site. You should choose an alias that your matches will recognize as being the same as your full name, if somebody is contacted about you. Site administrators reserve the right to remove any alias that is not appropriate in their opinion."
- FTDNA kit number of DNA donor:** Text input field.
- Sex of the donor?** Radio buttons for Male and Female.
- What is your Mitochondrial haplogroup (if known)?** Text input field.
- Males Only: What is your Y haplogroup (if known)?** Text input field.
- Please acknowledge that you authorize this data to be made available for comparisons in our public database:** Radio buttons for Yes and No. A red arrow points to the 'Yes' button. Below the buttons, a note in red: "(You will not be able to make comparisons if it is not in the public database)".
- Can we provide your email address to your matches?** Radio buttons for Yes and No. A red arrow points to the 'Yes' button.
- Comments:** Text area.
- Footer:** Instructions to click "Browse" to find the compressed raw Autosomal DNA data file on your computer, and "Click 'Upload' to send your Autosomal DNA data file to GEDmatch". Buttons for "Choose File", "No file chosen", "Upload", and "Speakers / Headphones: 4".

If you change your page orientation to landscape, you have a better chance of getting the type big enough to read.

Alias (optional) – some people (for whatever reason) prefer not to show their full actual name. For an adoptee this may defeat the purpose. BUT if your name currently has no association with your birth family, this may also discourage some people from contacting you. IF you have any reference to a birth name you might want to consider adding it in some form, i.e., a middle name. My name on GEDmatch as well as my DNA accounts at FTDNA and 23andMe includes my birth mother's maiden name as my middle name. Or, you can just leave this blank and the name you entered in **Name of Donor** will be the one that shows.

Haplogroups – if you know your mtDNA and/or Y-DNA haplogroup you can enter it here, otherwise leave it blank.

Please acknowledge that you authorize this data to be made available for comparisons in our public database: (You will not be able to make comparisons if it

is not in the public database) – Answer this question with a resounding **“YES”!** **This is IMPORTANT** because otherwise you will not be visible in the database.

Can we provide your email address? Again, answer **“YES”** otherwise your matches will not know how to contact you.

The uploads can take a few days to tokenize after which you can do a One-to-Many search. You should be able to do a One-to-One search almost immediately. If you uploaded from FTNDA, your kit # will begin with an “T” followed by a random number. If you have uploaded from AncestryDNA, your kit # will begin with an “A”. If you upload from 23andMe your kit # will start with an “M” followed by 6 digits that are newly assigned. On the upload page **for all uploadad, PLEASE NOTE THE KIT # ASSIGNED to your account.**

Once you have your raw data upload is completed, you will be able to see all your matches to people who have voluntarily uploaded their data from FTDNA, 23andMe, National Geographic and possibly other labs who have processed DNA tests. You may also see kit numbers that begin with “PF”. These are phased kits which we’ll get into later.

WHEN YOU UPLOAD, MAKE SURE YOU WAIT FOR THE NEXT SCREEN, AND THE PROGRESSION DISPLAY THAT SHOWS EACH CHROMOSOME BEING PROCESSED. THIS PROCESS TAKES SEVERAL MINUTES. IF YOU DON'T WAIT FOR IT TO FINISH, YOU DATA WILL NOT BE USABLE.

Utilities for use with DNA test results

On the homepage of [GEDmatch](#) is a listing of utilities - **“Upload Data from your testing company”**

File Uploads

Raw DNA file Uploads

We are now accepting the new format **FTDNA** raw DNA files. The new file format is now available for download from the **FTDNA** site. Old format files are no longer being accepted.

- [FTDNA concatenated DNA file](#)
- [WeGene upload](#) **BETA**
NOTE: File must be zipped before uploading
- [23andMe](#)
- [23andMe fast & easy](#) **NEW**
- [Ancestry.Com](#)

Do NOT un-zip raw DNA data files before uploading.

If you go to the upload page for the DNA company whose raw data you wish to upload there is a link for instructions as to how to download your raw data from the DNA company's site. "[Click HERE for detailed upload instructions.](#)"

Compare your Ancestry, FTDNA or 23andMe results with all raw DNA results in our public database

Once your data has populated the database, click on the first utility under "Analyze your Data" on the main page. "**One to Many Matches**"



The next page that will appear is:



Tools for DNA & Genealogy Research

[Home](#)

[Log out](#)

One-to-many DNA comparison

Enter your kit number or select from dropdown: [<--Enter Kit. Click here to list your kits ▼](#)

Select the threshold of the largest segment to be included in the list :
and whether it is based on Autosomal or X

☒ Autosomal
☐ X

Selecting less than 7 cM may result in much slower response.

▼

Click here to display your results:

Enter your kit # and click on:

The next page will take a few moments to load and will look like this:

DNA matches to Kit F204390.

These matches are calculated from DNA raw data files submitted by users.

Results are based on the default parameters for the GEDmatch Autosomal comparison software.

These results are for comparison only and will likely be somewhat different than those shown by your testing company.

Default parameters (and results) may change periodically based on feedback from users, and from new research results.

Click on 'T' go to Triangulation page (if it exists) for that person

Click on 'L' for list of matches for that person

Click on 'A' for details on Autosomal comparison (Detail data may take up to a minute to process).

Click on 'X' for details on X-DNA comparison.

Click to [HIDE](#) X-DNA columns

Click to [HIDE](#) Autosomal DNA columns

Select 2 or more from 'Select' column, and click this button for a Chromosome Browser comparison.

Chr-Browse

Select 2 or more from 'Select' column, and click this button for an Autosomal Matrix comparison.

A-Matrix

Select 2 or more from 'Select' column, and click this button for a Generations Matrix comparison.

Generations

Select 2 or more from 'Select' column, and click this button for an X-DNA Matrix comparison.

X-Matrix

* 'Adj cM' column has an adjustment applied to compensate for sex differences in X-Chromosome

To qualify as a 'match' in the genealogical time frame, results must have a largest Autosomal segment that has at least 700 SNPs and be at least 7 cM.

It must have BOTH. To check the number of SNPs, click on the 'A' on the same line to view the one-to-one comparison detail.

							Autosomal				X-DNA				
Kit Nbr	Type	Triangulate	GEDCOM	List	Select	Sex	Details	Total cM	largest cM	Gen	Details	Adj cM*	Total cM	largest cM	Email
▲								▼	▼	▲▼		▼	▼	▼	▲
M024720	V3	I		L		F	A	3585.1	263.7	1	X	94	188.1	136.7	karincorbeil@gmail.com

When it's finished loading you will have a long list of your DNA matches starting with your closest match. The estimated generations to a common ancestor are listed in the column "Gen" under "Autosomal". But please be aware that GEDmatch's algorithm in determining this is quite liberal. If you have a match at 4 generations, more than likely, it's 6 generations.

Kit Nbr	Type	Triangulate	GEDCOM	List	Select	Sex	Autosomal			Gen	X-DNA				Email
							Details	Total cM	largest cM		Details	Adj cM*	Total cM	largest cM	
M024720	V3	I		L	<input type="checkbox"/>	F	A	3585.1	263.7	1	X	94	188.1	136.7	karincorbeil@gmail.com
F227927	F2	I		L	<input type="checkbox"/>	M	A	3581.2	281.5	1	X	147	196	196	karincorbeil@gmail.com
F251493	F2	I		L	<input type="checkbox"/>	M	A	2792.7	139.6	1.2	X	96.6	128.7	54.4	karincorbeil@gmail.com
F249065	F2	I		L	<input type="checkbox"/>	M	A	362.9	31.8	2.7	X	12.9	17.2	8.7	karincorbeil@gmail.com
F216567	F2	I	G G	L	<input type="checkbox"/>	F	A	40.5	10.4	4.2	X	22.7	30.3	5.7	sirentor@mac.com
FN62043	F2			L	<input type="checkbox"/>	U	A	40.2	17.7	4.2	X	0	0	0	karincorbeil@gmail.com
F210167	F2			L	<input type="checkbox"/>	F	A	37.3	11.6	4.3	X	0	0	0	carriedearring@gmail.com
F217117	F2	I		L	<input type="checkbox"/>	M	A	28.7	18.5	4.5	X	0	0	0	familyheg@jgrussell.com
F236069	F2	I		L	<input type="checkbox"/>	M	A	27.9	16.7	4.5	X	0	0	0	tapani@valtakari.com
F187626	F2			L	<input type="checkbox"/>	U	A	21.8	11.6	4.7	X	0	0	0	ghammons@aol.com
F241404	F2	I		L	<input type="checkbox"/>	M	A	21.2	14.1	4.7	X	0	0	0	mail@marchathaway.com
M172744	V2	I		L	<input type="checkbox"/>	F	A	20.7	20.7	4.7	X	10.2	20.4	7.6	karincorbeil@gmail.com
F1336	F2			L	<input type="checkbox"/>	M	A	29.8	9.7	4.8	X	0	0	0	fauxdk@yahoo.com
F187201	F2	I		L	<input type="checkbox"/>	M	A	21	9.8	4.9	X	0	0	0	cropainter@aol.com

First, let's take each column in the match listing and we will explain what it is and later on tell you how to use it.

Kit Nbr – I think this is pretty obvious – your matches' GEDmatch kit number.

Type – this is the type of DNA test and/or chip used in testing the raw data. “A” prefix files are from AncestryDNA.

F1 - FTDNA Affymetrix files

F1N - National Geographic Genographic Project files

F2 - FTDNA Illumina files

V2 - 23andMe 'V2' files

V3 - 23andMe 'V3' (Illumina) files

'C' files - These are files which have been combined from other files. The combinations are as shown below:

C3 - F1 + F2

C5 - F1 + V2

C6 - F2 + V2

C7 - F1 + F2 + V2

C9 - F1 + V3

C10 - F2 + V3

C11 - F1 + F2 + V3

C12 - V2 + V3

C13 - F1 + V2 + V3

C14 - F2 + V2 + V3

C15 - F1 + F2 + V2 + V3

Triangulate – see the section on “**Triangulation**”, page 16.

Gedcom – this tells us if there is a gedcom uploaded to this match.

List – this link will take you to the matches for that particular kit number.

Select – a check box to use when you wish to compare chromosomes for more than 2 individuals.

Sex – Male or Female match. This could be important when a male has X matches because we then know that the connection must be through his mother, as males only receive their X DNA from their mother.

The next set are under the **Autosomal** heading:

Details – “A” - this link will take you to a page that shows you where exactly (on which chromosome, location and length) you match this person. It will be similar to the chromosome browser at FTDNA or the IBDData.csv that you can download from “Family Inheritance: Advanced” at 23andMe.

Total cMs – this shows you the total centimorgans of your match.

Largest cM – this shows you the longest length of centimorgans on one specific chromosome.

(We loosely define CentiMorgans (cMs) as a unit of measurement, and for our purposes can be considered a unit for measuring genetic linkage. cM is a linear relationship but not strictly inches or centimeters. First you have base pairs - each is a single position on your DNA strand. CentiMorgans has to do with how likely a particular position is to recombine. Gaye’s analogy is mile markers vs. exits. CentiMorgans are exits on some stretches of road (chromosome) they are close together (base pairs = mile markers) and on other stretches of road they are far apart.)

Gen – the number of estimated generations going back to a common ancestor for you and your match (again, we must stress that the speculation at GEDmatch may be too generous).

Under the **X chromosome** heading:

Details – “X” - this link will take you to a page that shows you exactly where on the X chromosome (location and length) you match this person.

Adj. cM – this is really just GEDmatch’s guess because the X chromosome is inherited and passed down differently. Females inherit their X from both their mother and father; males inherit their X from their mother’s only.

Total cMs – this shows you the total centimorgans of your X match.

Largest cM – this shows you the longest length of centimorgans on the X chromosome

Email – the email address of your match.

Other Utilities at GEDmatch:

ADMIXTURE-PROPORTIONS ANALYSIS

Just a quick word on Admix/Population Finder analysis. Currently the algorithms and analysis for determining your ethnicity have been found to be less than reliable and sometimes just plain wrong. If you believe that this will help you in determining your ancestry, we can certainly direct you to those knowledgeable on this subject. Just ask!

PHASING YOUR DATA

“Phasing” refers to the process of separating the mixed DNA results into the DNA obtained from your mother and the DNA obtained from your father. This is typically done by comparing your results to your parents’ results and determining which parent could have and/or must have contributed each SNP.

Phasing your data requires that both parents and a child have been tested and all their data has been uploaded to GEDmatch. For adoptees who have yet to identify their birth families, this obviously cannot be done. New technologies are being discovered every day though, and hopefully phasing of siblings may soon be available.

GEDCOMS on GEDMATCH

Gedcoms can be most helpful in trying to sort out your matches and building those family trees.

A word on CSV files:

Csv files are totally text files. When saving for continued use and updating, we recommend saving them as Excel worksheets (.xls or .xlsx files). This prevents the loss of formatting and Excel spreadsheets give you many more options to work with.