









# Which Raw Data File Should I use?

If you tested more than once, general suggestions:

- Won't matter for closer matches
- Use a recent test (GSA chip)
- Use Ancestry (most popular)
- Think about SNP overlap
- Make a "Super Kit"

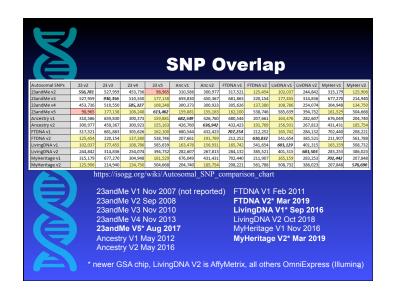
Testing SNPs

3.2 BILLION Base Pairs

4-5 MILLION SNPs \*

~700 THOUSAND tested

\* Single Nucleotide Polymorphism





## Why So Many Chips?

- Some companies wanted to add medical SNPs
- Illumina transitioning to GSA
- Chip customizations to deal with other/older chips



# How to Deal With SNP Overlap?

- Imputation by recipient helps
- GEDmatch displays overlap quality at segment level
- Test at LivingDNA and use their raw data file for transfers

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# **Super Kits**

Not for the faint of heart!

- GEDmatch Tier 1 (no download!)
- DNA Kit Studio (Windows)
- Manually using a spreadsheet

Mostly does not add new matches but eliminates false matches

https://www.beholdgenealogy.com/blog/?p=2717 https://www.dnagenics.com/dna-kit-studio/

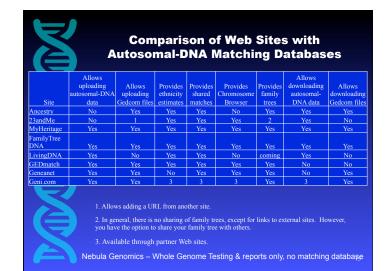
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### **Consider Retesting**

- Ideal SNP overlap with others in that database
- Gain access to additional features
  - Eg. LivingDNA British Isles ethnicity reports & Viking DNA report
- May give you a more compatible raw data file for future transfers (GSA or LivingDNA)

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## **Ancestry.com**

- Largest database
- Many matches have trees
- ThruLines DNA/tree matching
- Separation of matches by parent
- Subscription required for some features
- Does not accept transfers
- No chromosome browser

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# **Family Tree DNA**

- Autosomal, Y-DNA, and mtDNA all under one roof
- More matches are interested in genealogy, emails provided
- Chromosome browser
- Better tools for experts
- Some trees

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### MyHeritage.com

- Based in Europe & US
- DNA/Tree matching (Theory of Relativity)
- Chromosome browser
- Tests on GSA chips
- Subscription for some features
- Accepts transfers

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#### **GEDmatch.com**

- Clearinghouse for tests from all companies
- Highly sophisticated tools
- Can upload GEDCOM files
- Accepts transfers but does not offer testing
- Subscription for more advanced tools (Tier 1)

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# Living DNA.com

- Based in Somerset, England (more UK matches)
- Excellent British Isles ethnicity reports, Viking report
- Tests on highly compatible chips
- Tree builder coming "soon"
- Accepts transfers
- Demonstration



#### **Geneanet.org**

- Based in Paris, France (more European matches)
- Chromosome browser
- Accepts GEDCOM uploads
- Accepts transfers but does not offer testing
- Demonstration

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