

Intro to DNA – Handout UPDATED Mar 2022

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5 DNA Testing Companies

<http://ancestry.com>
<http://familytreedna.com> **UPLOAD**
<http://23andme.com>
<http://myheritage.com> **UPLOAD**
<https://www.livingdna.com/en-us> **UPLOAD**

3rd Party Sites

<http://gedmatch.com> **UPLOAD**
<http://dnagedcom.com>
<http://dnainter.com>

Go-To for Estimating Relationships from DNA:

<https://dnainter.com/tools/sharedcmv4>

Definitions

Centimorgan (cM) – measure of “relatedness”
SNPs – markers on chromosome
Autosomal – the 22 chromosomes we use for comparisons
Chromosome – DNA molecule with part or all of the genetic material of an organism
mtDNA – Mitochondrial DNA (passed maternal line)
Y-DNA – DNA passed solely through males
X chromosome – The “sex” chromosome
Triangulation – comparing 3+ DNA kits for common segments
Chromosome Browser – tool to compare 2+ kits for common segments

Events

DNA Day at Southern California Jamboree (June)
Ancestry Academy (free training videos)
DNA Adoption courses (<http://www.dnaadoption.com/>)
RootsTech (annual conference in SLC, Feb)
Annual Family History Conference (Mesa or Tempe)
Monthly Interest Group, Mesa FHC Training Room
I4GG – Institute for Genetic Genealogy

Typical cM Relationship Values

Chart: <http://thegeneticgenealogist.com/wp-content/uploads/2016/06/SharedcMProject.png>

Useful Resources

ISOGG: <http://isogg.org>
Journal of Genetic Genealogy (<http://jogg.info/>)

Facebook Groups:

Genetic Genealogy Tips & Techniques
Phoenix East Valley DNA Special Interest Group
Institute for Genetic Genealogy
DNAGedcom User Group
AncestryDNA Matching
DNA Detectives
UGA - DNA Special Interest Group
International Society of Genetic Genealogy (ISOGG)
ALL GENETIC GENEALOGY
DNAGedcom User Group
GEDmatch.com User Group

Valuable Websites

Blaine Bettinger’s website <http://thegeneticgenealogist.com>
Kitty Cooper’s blog: <http://blog.kittycooper.com/>
Roberta Estes’ website: <https://dna-explained.com/>
Judy Russell’s website: <https://www.legalgenealogist.com/>
Free Webinars (up to 7 days):
<https://familytreewebinars.com/>

