Third Party Autosomal DNA Tools

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TYPES OF AUTOSOMAL DNA DATA

RAW DATA
Output of the DNA sequencer
One file per test containing alleles for each SNP tested
Mostly the same at each company, never changes

MATCH DATA
Data produced by comparing DNA between persons who tested
Matches, DNA Segments, Trees of matches, In Common With matches
Different at each company, changes over time as new people are tested

RAW DNA DATA TRANSFERS

Load raw data file for free to:
FamilyTreeDNA.com ($19 to unlock chromosome browser & ethnicity)
MyHeritage.com
LivingDNA.com (cousin matching in future, no ethnicity report)
GEDMatch.com
Promethease.com ($5 for health report)

DOWNLOAD MATCH DATA

(direct downloads)
23andMe, MyHeritage, FamilyTreeDNA (matches & segments only)

DNAGedcom.com
$5/month or $50/year - runs as an application on your PC or Mac
FamilyTreeDNA, 23andMe, MyHeritage (matches, segments, ICWs)
Ancestry (matches, trees, shared matches)

AncestryDNAHelper.com
Chrome extension
Ancestry (matches, trees, shared matches)

THIRD PARTY AUTOSOMAL TOOLS

GEDMatch
www.gedmatch.com
Compares DNA between people tested at various companies.
Includes many powerful tools for analyzing your DNA.
Load your raw data file here.
$10/month for access to advanced tools (Tier 1)

DNAGedcom
www.dnagedcom.com
Collects and analyzes match data from most companies.
Tools include:
Autosomal DNA Segment Analyzer (ADSA) (free web tool)
GWORKS (free web tool)
Match-O-Matic - part of DNAGedcom client
$5/month or $50/year for access to DNAGedcom client application

THIRD PARY AUTOSOMAL TOOLS (continued)

Genome Mate Pro   www.getgmp.com
DNA record keeping software for your computer (Windows, Mac)

DNA Painter   www.dnapainter.com
"Paints" your chromosomes with ancestral segments (free web tool)
Gives relationship estimates based on total cM shared (free web tool)

DNADNA   www.dnadna.uk
Excel add-on to create cluster graphs of in-common-with matches
Windows only, 32 bit Excel 2016

Excel Visual Phasing   "The Visual Phasing Working Group" (FaceBook)
Excel add-on that simplifies drawing visually phased segments
Windows only, 32 bit Excel 2016

Tree Slicer   blog.kittycooper.com/2018/08/eliminating-the-dna-matches-from-one-side/
Used with Match-O-Matic and GWORKS to create sub-sets of Ancestry
trees for analysis (free web tool)

DNA Kit Studio   https://wilhelmhgenealogy.wordpress.com/dna-kit-studio/
Merges raw data files from multiple companies etc. (free web tool)

More tools   https://isogg.org/wiki/Autosomal_DNA_tools

LEARN MORE ABOUT AVAILABLE TOOLS

Read Blaine Bettinger's book (available at the VCGS book table at our meetings):
     Family Tree Guide to DNA Testing & Genetic Genealogy
     (See his chapter: "Third-Party Autosomal-DNA Tools")

Join a FaceBook Group:
     GEDMatch.com User Group
     DNAGedcom User Group
     DNAGedcom Mac
     DNA Tools
     The Visual Phasing Working Group
     DNADNA Genetic Genalogy Visualization using Dynamic Network Analysis
     Genome Mate Pro
     GEDMatch Lazarus Tool
     DNA Painter User Group
     Genetic Genealogy Tips & Techniques (Blaine Bettinger)
     DNA Newbie
     International Genetic Genealogy Society (ISOGG)
     and a LOT more!

Join an email discussion group:
     DNA-NEWBIE (Yahoo Group email list)
     genealogy-dna-request@rootsweb.com (Rootsweb email list)