

Giant Tree of Mankind's Paternal Lineages

*We are a tapestry of individual lineages!
not a just a random mix of DNA*

Y DNA Descendants Tree
a high resolution ancestry from the ancient down into into our genealogies

The Y haplotree has over 31,000 branches documented.

Timeframe | **Approx. SNPs back to tester***

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Great Leap of Behavior Modernity (50,000 ybp)	600
Mesolithic	145
Neolithic/Farming	90
Bronze Age (4500 ybp)	55
Tribes ↓	
Common Era (CE) (2000 ybp 0 anno domni)	24
Clans/Kinsfolk ↓ Origins	
Surnames ↓ (1000 ybp)	12
16 gg-grandparents (8 Y)	1-2
8 g-grandparents (4 Y)	
4 grandparents (2 Y)	
2 parents (1 Y)	
Son/you (1 Y)	

Y NGS & Pack/Panel SNPs

Y111 & Y NGS Bonus STRs

One Y NGS per lineage (ideally two)

Family Ancestors Tree
(illustration only – not actual)

Deep Ancestry
Use **Y Next Generation Sequencing (NGS)** to track your eight great-great grandfathers' lineages all the way back through thru fixed surnaming, clans, tribes and ancient cultures to the genetic Adam.

Historic Lineages
Use **Y111** and **Y NGS Bonus STRs** for added resolution in branching and to extend branching where SNPs are not known or found. Distinguish lineages within surnames and large families.

Genealogies
Use **Autosomal DNA** and matching (GEDcom, etc.) to find male cousins under your eight great-great grandfathers.

Y DNA (NGS) has an **SNP** every 2.5 generations*. **SNPs** support a reliable precise tree. Add **STR** changes from 700 NGS STRs for a mutation almost every generation*.

Mitochondrial DNA (mt) is in body of cells (not nucleus) and has 1000 times* less locations tested vs Y. **mt DNA** most useful as a disqualifier.

Autosomal DNA washes out about 4-5 generations* back, but great for finding potential cousins.

* rough averages