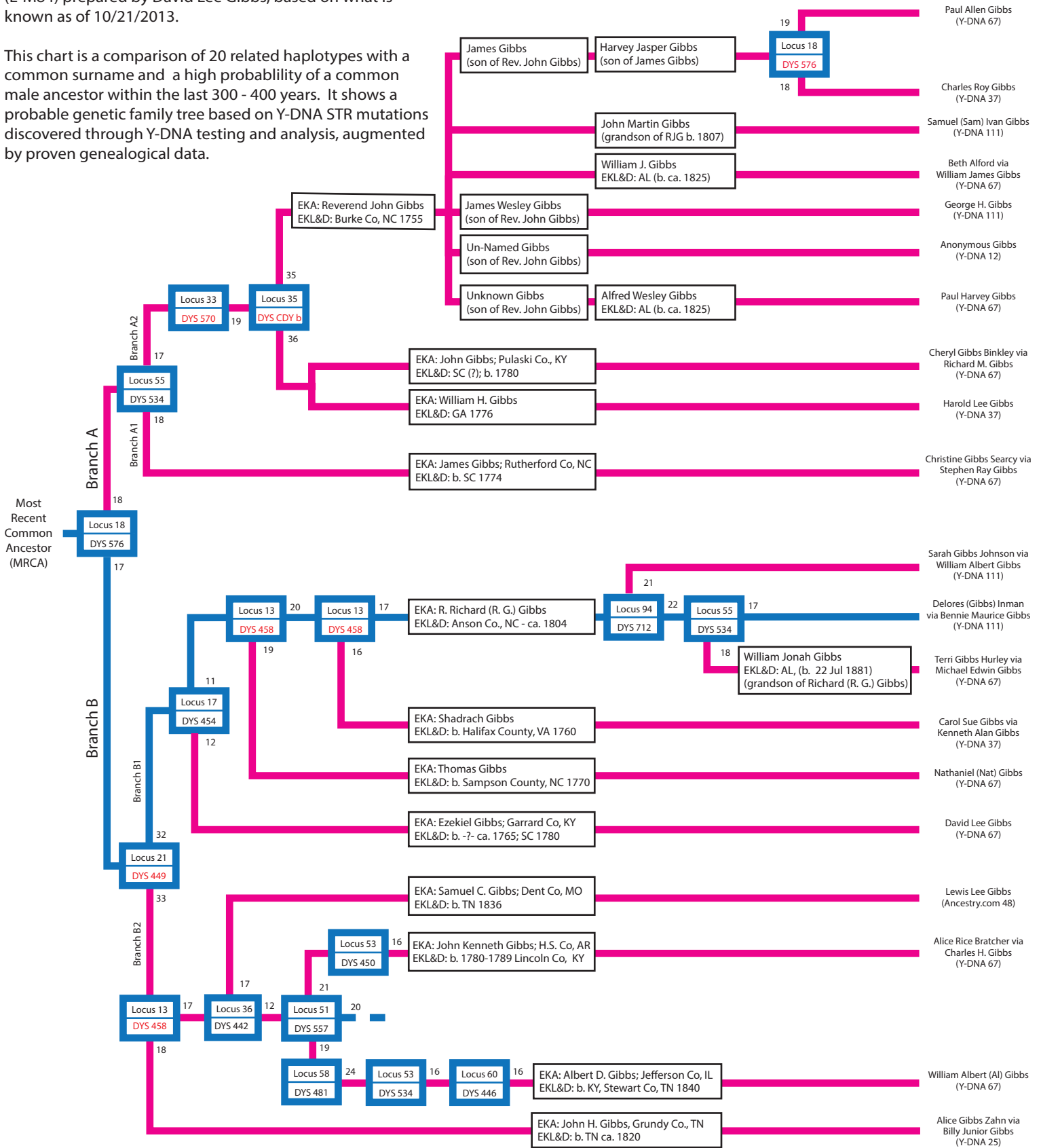


The Carolina Gibbs E-M84 Clade Haplogroup E1b1b1c1a (E-M84) prepared by David Lee Gibbs, based on what is known as of 10/21/2013.

This chart is a comparison of 20 related haplotypes with a common surname and a high probability of a common male ancestor within the last 300 - 400 years. It shows a probable genetic family tree based on Y-DNA STR mutations discovered through Y-DNA testing and analysis, augmented by proven genealogical data.



LEGEND

- Locus XX
DYS XXX = Loci where mutations have occurred (DYS numbers in red are loci with fast-mutating characteristics)
- = Lines retaining modal (most common) allele values at each locus of change
- = Lines exhibiting mutated allele values (plus or minus from the modal values)
- — = Possible extinct or as yet untested lines.