Graves/Greaves Y-DNA SNP Chart for Haplogroup R

(Rev. 31 March 2020)

The letters and numbers inside the boxes are the names of the SNPs. The comment boxes next to some of the connected boxes indicate the families or family groups that are known to have that SNP. The R1 numbers in the comment boxes are the ones used to designate groups on the master Y-DNA table on the FTDNA website. When at least one member of a group has been found to have a more recent SNP, it has been assumed that the entire group has that SNP. When we find SNPs within each group, that practice will change. All family groups need to have at least one person with a comprehensive SNP test for proper placement on this chart.

When there is the name of a person at the bottom of a comment box, the test of that person isthe reason for the positioning of the box.

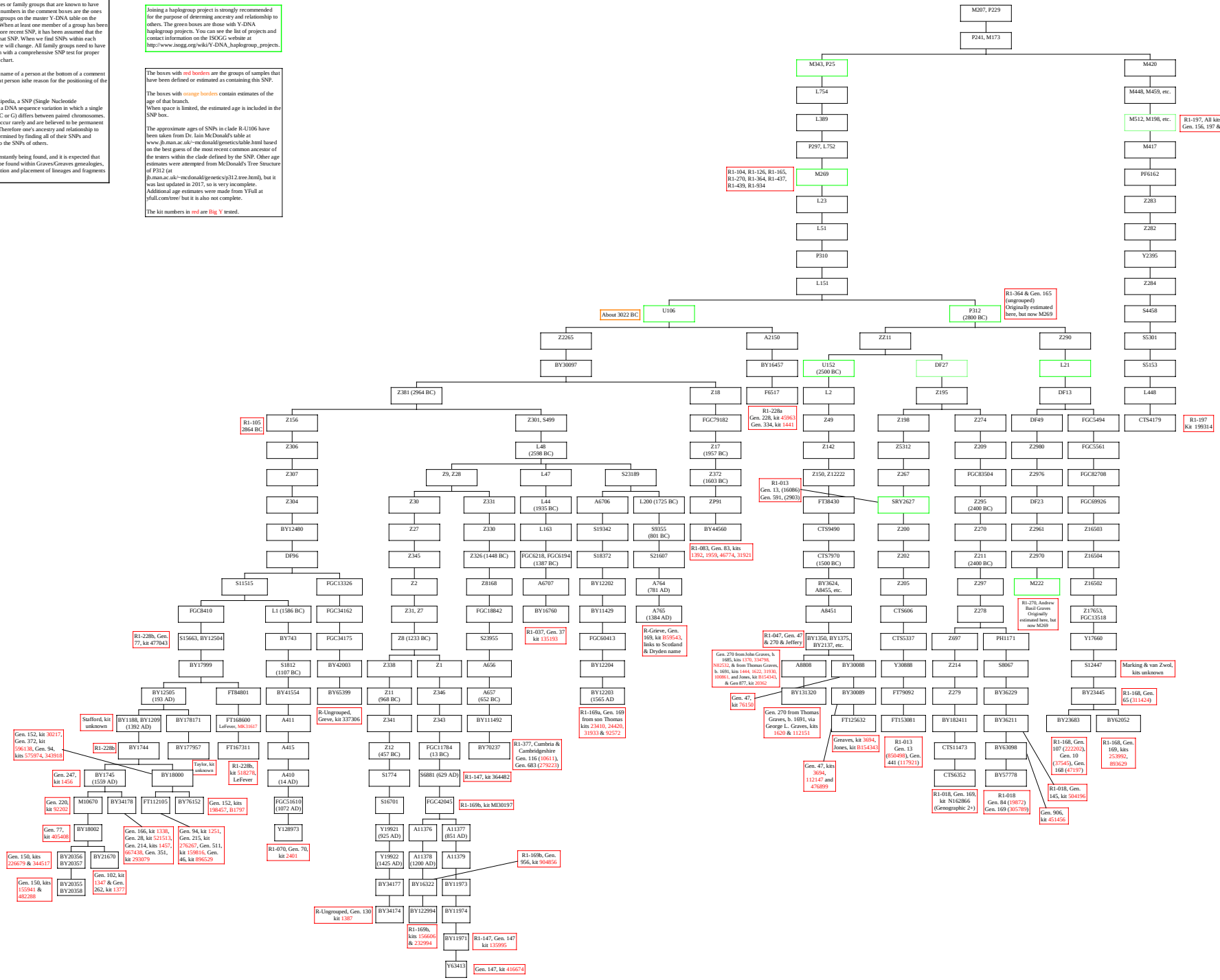
According to Wikipedia, a SNP (Single Nucleotide Polymorphism) is a DNA sequence variation in which a single nucleotide (A, T, C or G) differs between paired chromosomes. These mutations occur rarely and are believed to be permanent once they occur. Therefore one's ancestry and relationship to others can be determined by finding all of their SNPs and comparing them to the SNPs of others.

New SNPs are constantly being found, and it is expected that recent SNPs will be found within Graves/Greaves genealogies, enabling confirmation and placement of lineages and fragments of families.

Joining a haplogroup project is strongly recommended for the purpose of determing ancestry and relationship to others. The green boxes are those with Y-DNA haplogroup projects. You can see the list of projects and contact information on the ISOGG website at http://www.isogg.org/wiki/Y-DNA_haplogroup_projects.

The boxes with red borders are the groups of samples that have been defined or estimated as containing this SNP.

The boxes with orange borders contain estimates of the age of that branch.
When space is limited, the estimated age is included in the SNP box.

The approximate ages of SNPs in clade R-U106 have been taken from Dr. Iain McDonald's table at www.jb.man.ac.uk/~mcdonald/genetics/table.html based on the best guess of the most recent common ancestor of the testers within the clade defined by the SNP. Other age estimates were attempted from McDonald's Tree Structure of P312 (at jb.man.ac.uk/~mcdonald/genetics/p312.tree.html), but it was last updated in 2017, so is very incomplete. Additional age estimates were made from YFull at yfull.com/tree/ but it is also not complete.

The kit numbers in red are Big Y tested.