

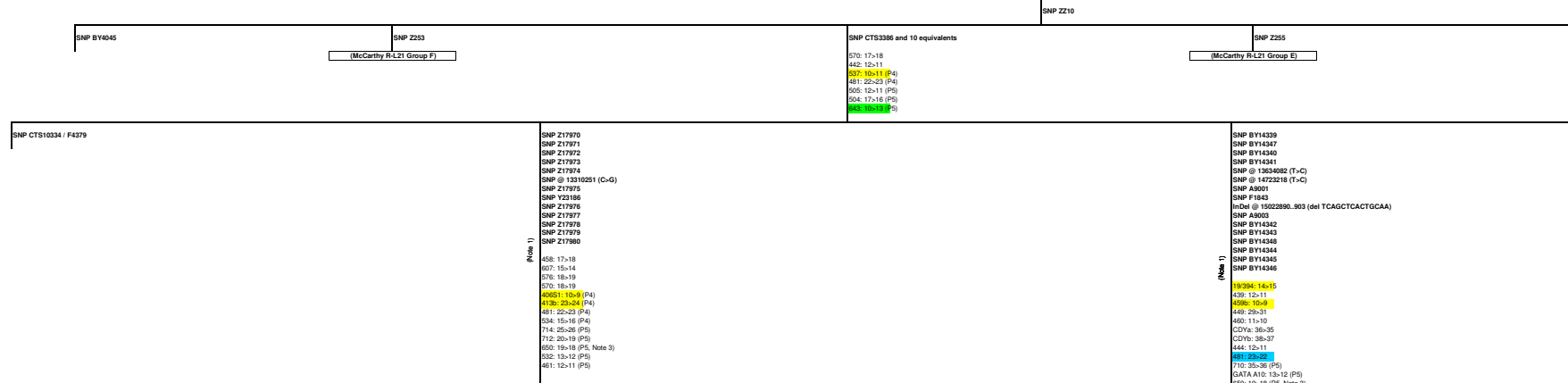
SNPs R-L21, R-FGC3218, R-L459, R-Z260 and R-Z290

SNPs R-DF13, R-CTS3821/22542

STRs

Estimated ancestral haplotype for R-DF13 (values at CDYa and DYS 533 uncertain)

Tables showing STR and SNP panels (FTDNA, Y-DNA) with values and mutation rates.



LEGEND section explaining STR mutations, participant kit numbers, and validation of positions on the tree.

- NOTES: 1. These SNP and STR mutations could have occurred in any order. 2. When the tree is more developed some of these mutations may be moved up a level or two. 3. DYS 587, 18-19 could have occurred in an ancestor common to the SNP blocks headed by BY14339 and S19268. Also, DYS 650: 18-18 could have occurred in an ancestor common to the SNP blocks headed by BY14339 and Z17970, but these two possibilities are mutually exclusive.

IMPORTANT NOTICE: THIS TREE COMBINES POSTULATED RELATIONSHIPS BASED ON STR TEST DATA WITH FIRM DEFINITION AFFORDED BY SNP TESTING. THE LATTER WILL BE REGULARLY UPDATED TO INCORPORATE NEW INFORMATION. WHERE CONFIGURATIONS ARE NOT CONFIRMED BY SNP TESTING, DIFFERENT PERMUTATIONS ARE POSSIBLE PARTICULARLY IN THE OCCURRENCE OF FASTER REPEATING STR MARKERS SUCH AS DYS 458, DYS 576, CDY, DYS 710, DYS 533 AND DYS 712 AND THE CONSIDERATION OF FEASIBLE BACK MUTATIONS. THE RELIABILITY CAN ONLY BE IMPROVED BY MORE PARTICIPANTS TESTING STRS TO 111 MARKERS AND NGS TESTING, IDENTIFYING SNPs WHICH GIVE FIRM DEFINITION TO THE BRANCHES AND TWIGS (SUBCLADES) OF THE TREE.

McCARTHY (Y-DNA) SURNAME STUDY POSTULATED PHYLOGENETIC TREE FOR SNP R-CTS3386 McCARTHY'S (McCARTHY GROUP 'G')

The high level SNP structure shown under CTS3386 is based on Alex Williamson's The Big Tree (http://www.ytree.net/DisplayTree.php?blockId=13) and FTDNA's Haplotype.

The intent of this tree is to show the probable pathway from the time of SNP R-L21 for McCartlys in R-L21 Group G, and their most recent common ancestry with those of other surnames. Data on non-McCarthy testing has been taken from The Big Tree and from the R1b-CTS3386-Projects and other Surname Projects' Results tables to the extent necessary to place the R-L21 Group G McCartlys. Thanks are due to Alex and to all those whose revelation of their test results has made this tree possible. (Any