



**NOTES AND LEGEND**

**General Note:**  
 1. The Tree is derived from a variety of differing sources and is not claimed to be correct. However, it is considered a suitable starting point for alignment with Y-Chromosome test results. Note that:  
 - Dates are indicated as they may vary from one source to another.  
 - Not all recorded progeny of Cladhna is shown. Further branches will be added if supported pertinent to the MacCarthy R-L21 Group B tree. The unrecorded progeny of earlier lines of each generation pertinent to the MacCarthy R-L21 Group B tree are no less likely to accommodate ancestors of present day MacCarthy.  
 - All SNPs listed are in Haplogroup I1.

**Notes used in this tree:**  
 1. Presence is uncertain and varies from source to source.  
 2. Genetic testing to date does not support inclusion of this branch on this tree.  
 3. It is claimed in various sources that the MacCarthy of Antrim might descend from Hugh son of Cormac (137-138) via Shugh Finghin Dubh. However a representation of this sept has tested positive for both SNP A8313 and SNP 41018 in view of the size of the A8313 cluster (see Observation 'C' below) it seems more likely that it is the origin of this sept in this branch rather than the placement of Shugh of Dungle as currently shown which is not valid.

**Legend:**  
 - Blue: Dark  
 - Green: Light  
 - Yellow: Y-Chromosome mutations except for the group comprising I162 and its equivalents this is the subset the SNP, or the instance of the STR mutation, could have occurred.

**Source: many of which are secondary, include:**  
 Annals of Inisfallen, The Book of Munster - Rev. Eugene O'Keefe, The MacCarthy of Munster - Samuel Trout McCarty  
 Annals of Loch Ce, History of Clan Egan or Eganachais - Richard F Cronnelly, Private family papers  
 Annals of the Four Masters, Genealogy from Irish History - William F. Butler  
 Gaelic and Gaelicised Ireland - R. W. Nicholls  
 A Historical Pedigree of the Shugh FitzHugh, The MacCarthy of Glencarraig - Daniel McCarty Glas

**OBSERVATION AND PROFESSIONAL CONCLUSIONS**

**Observation:**  
 A. For those of the surnames who test positive for the SNP path DFY11...Z162L-P24...L162, all MacCarthy (and variants) test positive for SNP 25400 and negative for A11018 while all O'Callaghan (and variants) test vice versa.  
 B. SNP A8313 tests positive in a number of MacCarthy who have reason to believe they belong on the Mir side of the tree (i.e. descendants of Corrac Fionn MacCarthy while 25400 tests positive in several whose known ancestry places them in MacCarthy Rath branches. So far all 25400 MacCarthy have tested positive for either A8313 or 25400.  
 C. About 50% of those tested positive for SNP A8313 are also positive for SNP A8313. These include a Shugh-Cormac of Dungle representative (according to the lineage traced out for his son, origin of 'Dungall' Town MacCarthy). The primary MacCarthy of Mullyny representative, testing an 18th century pedigree, tested positive for SNPs A811, A1864 and A1865 but negative for SNPs A8313, A1864 and A1865; are indistinctly excluded. Among those who are negative for both A8313 and A1864 is one with documented evidence of descent from the MacFinghin MacCarthy of Ardaly.  
 D. About 50% of those tested positive for SNP 25400 are also positive for SNP 2528. These include representatives of MacCarthy Rath (aka Rathnash) claimed subgroups Rathnash and Tallin. None of those who are also positive for SNP 25400 originate -where their provenance is known- from the vicinity of Duncurry and Tullyhanna, an area associated with the Shugh FitzHugh. However see Note 3 in MacCarthy Glas; the application of this note may extend back to even beyond MacCarthy Rath.

**Conclusion:**  
 Mutually exclusive SNPs 25400 and A11018 distinguish the MacCarthy and O'Callaghan descendants respectively of Ceallachar of Ceallach.  
 Mutually exclusive SNPs A8313 and 25400 distinguish the progeny of Corrac Fionn MacCarthy from that of his brother Donall Galt.  
 Except for the MacCarthy of Antrim (see Note 3), the phylogenetic tree under SNP A8313 aligns with expectations based on historical data, though this should not be construed as implying validation of all detail of this section of tree.  
 SNP 2528 occurred in Donal Mac or his son Donal Dubh. If the historical tree is correct this limits the possibilities for the provenance of 25400, 2528 progenitors. SNP 25400 occurred somewhere among the progeny of Corrac Donal B. 1548.  
 Clann Tadhg Dubh (a) is a strong candidate to align with one of the three identifiable 25400, 2528 clusters.

