STRs Estimated ancestral haplotype for R-U152 (based on Ysearch QM4ES and Alex Williamson's 'The Big Tree' postulation as at 20 May 2016 for its parent, R-P312 where no value given in QM4ES)

FTDNA Panel 1

1	393	390	19 / 394	391	385a	385b	426	388	439	389-1	392	389-2
	13	24	14	11	11	14	12	12	12	13	13	29

FTDNA Panel 2

2	458	459a	459b	455	454	447	437	448	449	464a	464b	464c	464d
	17	9	10	11	11	25	15	19	29	15	15	17	17

FTDNA Panel 3

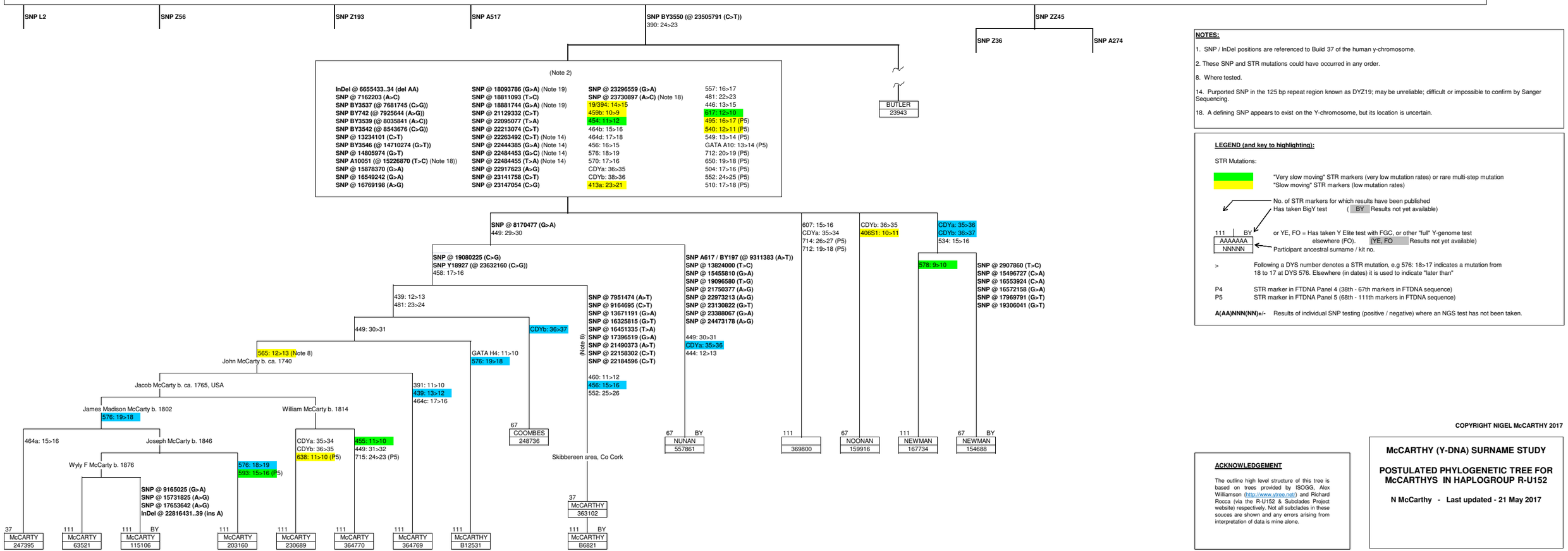
3	460	GATA H4	YCA IIa	YCA IIb	456	607	576	570	CDYa	CDYb	442	438
	11	11	19	23	16	15	18	17	36	38	12	12

FTDNA Panel 4

4	531	578	395S 1a	395S 1b	590	537	641	472	406S 1	511	425	413a	413b	557	594	436	490	534	450	444	481	520	446	617	568	487	572	640	492	565
	11	9	15	16	8	10	10	8	10	10	12	23	23	16	10	12	12	15	8	12	22	20	13	12	11	13	11	11	12	12

FTDNA Panel 5

5	710	485	632	495	540	714	716	717	505	556	549	589	522	494	533	636	575	638	462	452	445	GATA	463	441	GGA	525	712	593	650	532	715	504	513	561	552	726	635	587	643	497	510	434	461	435
	33	15	9	16	12	26	26	19	12	11	13	12	10	9	12	12	10	11	11	30	12	13	24	13	10	10	20	15	19	13	24	17	12	15	24	12	23	18	10	14	17	9	12	11



NOTES:

1. SNP / InDel positions are referenced to Build 37 of the human y-chromosome.

2. These SNP and STR mutations could have occurred in any order.

8. Where tested.

14. Purported SNP in the 125 bp repeat region known as DYZ19; may be unreliable; difficult or impossible to confirm by Sanger Sequencing.

18. A defining SNP appears to exist on the Y-chromosome, but its location is uncertain.

LEGEND (and key to highlighting):

STR Mutations:

"Very slow moving" STR markers (very low mutation rates) or rare multi-step mutation
"Slow moving" STR markers (low mutation rates)

No. of STR markers for which results have been published
Has taken BigY test (BY Results not yet available)

111 | BY
AAAAAAA
NNNNN

or YE, FO = Has taken Y Elite test with FGC, or other "full" Y-genome test elsewhere (FO). (YE, FO Results not yet available)
Participant ancestral surname / kit no.

> Following a DYS number denotes a STR mutation, e.g 576: 18>17 indicates a mutation from 18 to 17 at DYS 576. Elsewhere (in dates) it is used to indicate "later than"

P4 STR marker in FTDNA Panel 4 (38th - 67th markers in FTDNA sequence)
P5 STR marker in FTDNA Panel 5 (68th - 111th markers in FTDNA sequence)

A(AA)NNN(NN)+/- Results of individual SNP testing (positive / negative) where an NGS test has not been taken.

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ACKNOWLEDGEMENT

The outline high level structure of this tree is based on trees provided by ISOGG, Alex Williamson (http://www.ytree.net/) and Richard Rocca (via the R-U152 & Subclades Project website) respectively. Not all subclades in these souces are shown and any errors arising from interpretation of data is mine alone.

McCARTHY (Y-DNA) SURNAME STUDY

POSTULATED PHYLOGENETIC TREE FOR McCARTHYS IN HAPLOGROUP R-U152

N McCarthy - Last updated - 21 May 2017