

PRINGLE SURNAME PROJECT

ANALYSIS OF Y-CHROMOSOME DNA RESULTS AS AT 1 FEBRUARY 2011

This analysis should be read in conjunction with the attached:

- Annex 1: Table of Y-Chromosome DNA Haplotype Test Results
- Annex 2: Network Diagram of Y-Chromosome DNA Haplotype Test Results

Participants who are closely related through the male line will have no more than a total of four differences from each other in the short tandem repeats within the 43 markers tested.

In the diagram produced by the Fluxus network program the yellow circles or nodes represent the actual haplotype test results. These yellow circles are connected by the red circles which are the hypothetical (often ancestral) haplotypes used by the program to create the network with maximum efficiency. The large yellow circle represents the core, incorporating identical haplotype test results, under reference YDVBL9.

Customer codes and differences from the core are shown in the analysis below.

The following have results which are identical (yellow circle reference YDVBL9) and form the core:

YDVBL9		0		
LSR8T2		0		
ZKHK7N		0		
PYB24G		0		

The following are closely related to those in the core and are also related to each other:

J4CSXD		1		
39ETT5		1		
H79LTS		2		

The two below are identical (yellow circle reference 2RY6SU) and are closely related to those in the core and those immediately above:

2RY6SU		3		
WQELUC		3		

The two below are a similar genetic distance from the core and could be related to the core. However, both are very different from each other. To determine that these cases are related to the core with more confidence, we need 'bridging haplotypes' i.e. results that lie between two potentially linked results.

FG8FGE		5		
N6F2JJ		6		

The two below are identical (yellow circle reference WUDB2R) and are a separate lineage not related to any of the others:

WUDB2R		12		
C67HNH		12		

The following are all separate lineages and not related to each other or any of the others:

EYXCBE		11		
H5LW7M		11		
S7ZQ8A		12		
BUE3QX		14		
DZXEAH		21		

The following have been excluded from the test results and network diagram, because they are so dissimilar to the others being from a different ancestry haplogroup:

GTT2VH		48		
BJQX8K		55		

NETWORK DIAGRAM OF Y-CHROMOSOME DNA RESULTS

ANNEX 2

