



Certificate – Haplogroup

Family Tree DNA certifies that a DNA sample from

Frank Carrucan

Sample # 71421

was analyzed for Haplogroup determination using the Single Nucleotide Polymorphism test. The analysis shows that you are positive for the following SNPs: **M269+** ; and negative for the following SNPs: **P107-** **U106- U152- U198-** . According to the current classification, you have been assigned to:

Haplogroup R1b1c

R1b1c: *Haplogroup R1b is the most common haplogroup in European populations. It is believed to have expanded throughout Europe as humans re-colonized after the last glacial maximum 10-12 thousand years ago. This lineage is also the haplogroup containing the Atlantic modal haplotype.*

March 21, 2008

The background is from the Lascaux Cave, a Paleolithic site discovered in 1940.

Matthew E. Kaplan