



BALLAGHADERREEN Y-DNA

One of the most striking results from our studies so far is the consistency of scores on loci DYS 447 and DYS 437 amongst the grouped results. All of the grouped Munster results score 26 and 16 on these markers, and all of the grouped Connaught results score 25 and 15. It would appear to mark a distinct division between these two ancient branches of Haplogroup R1b.

Within the grouped Connaught results, we are now starting to see patterns that mark out further distinct sub-groups. The sub-groups may be reliably used to assign a probable common geographical location to the families represented by the results. Ultimately, the sub-groups may be used to establish a common ancestor.

One such sub-group has been termed the Ballaghaderreen Sub-Group, and includes results of families traced back to nearby townlands of Lomcloon (in the civil parish of Killaraght, County Sligo) and Kilcashel (in the civil parish of Kilmovee (County Mayo)). The genetic code is presented here in tabular form, and differs from the main Connaught Haplotype on just three loci (shown bold and underlined).

This development is highly significant! If progress continues to the same extent in other areas then it should be possible to map out the genetic code for all Flannerys and Flannellys in Ireland, and reliably gauge not only the relationship of individual families but also assign geographical locations to families that have not been able to utilise conventional records.

We would like to thank all of the individuals who have participated in the Y-DNA Project to date, and urge all eligible members to ensure that their family has been represented in this very important international study.

- go raibh míle maith agaibh!

Locus	Connaught Haplotype	Ballaghaderreen Haplotype
DYS 393	13	<u>14</u>
DYS 390	25	25
DYS 394	14	14
DYS 391	11	11
DYS 385a	11	11
DYS 385b	13	13
DYS 426	12	12
DYS 388	12	12
DYS 439	12	12
DYS 389i	13	13
DYS 392	14	14
DYS 389ii	29	29
DYS 458	17	17
DYS 459a	9	9
DYS 459b	10	10
DYS 455	11	11
DYS 454	11	11
DYS 447	25	25
DYS 437	15	15
DYS 448	18	18
DYS 449	29	<u>30</u>
DYS 464a	15	15
DYS 464b	16	16
DYS 464c	16	16
DYS 464d	17	17
DYS 460	12	12
GATA H4	11	11
YCA IIa	19	19
YCA IIb	23	23
DYS 456	17	17
DYS 607	16	<u>17</u>
DYS 576	18	18
DYS 570	17	17
CDYa	38	38
CDYb	39	39
DYS 442	12	12
DYS 438	12	12