

# The Värmland-Hedmark Cluster and a Neighboring Branch (Dec. 2022)

**Confidence intervals for age estimates**

The age estimates in the tree are from YFull (YTree v10.08.00). Unless otherwise indicated, all years shown are A.D. Below are confidence intervals at the 95% level:

|     | 95% CI         |
|-----|----------------|
| A1: | 922 — 1622     |
| A2: | 1172 — 1522    |
| A3: | 478 B.C. — 672 |
| A4: | 322 — 1272     |
| A5: | 922 — 1747     |
| A6: | 922 — 1767     |
| A7: | 1172 — 1522    |
| A8: | 1172 — 1522    |
| A9: | 1122 — 1847    |

**SNPs that define the branches**

The Värmland-Hedmark cluster is a twig on the R1b branch of the human Y-chromosome haplotree: R1b → M269 → U106 → Z18 → S11601 → Y112538 → Y130179. For more information, see [www.johanlagerlof.com/gengen](http://www.johanlagerlof.com/gengen). The branches shown in the tree are defined by the SNPs listed below.<sup>a</sup>

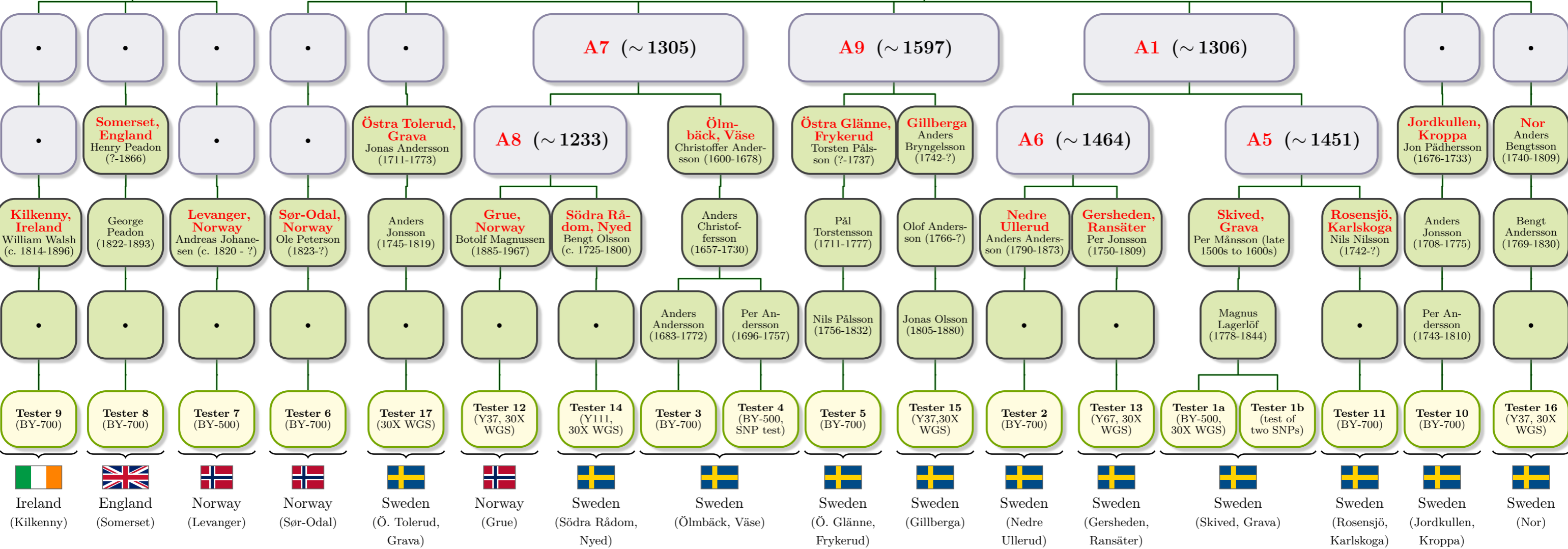
- ◇ A1: Y86344, Y107658\*
- ◇ A2: Y100873\*, Y128033, Y101814\*, Y103246, Y130179, Y83455, Y125815\*
- ◇ A3: Y112538
- ◇ A4: BY71612, Y159325, BY116275, BY146620, BY78202, BY99722, BY100142, BY102070
- ◇ A5: FT146431
- ◇ A6: BY12164
- ◇ A7: A25847\*
- ◇ A8: A25843, A25844, A25845, Y126692(H)\*
- ◇ A9: FTA19875\*, FTA18226(H), A29538(H)\*

<sup>a</sup>An asterisk indicates that the SNP is located outside of the so-called combBED region of the Y chromosome, and it is therefore not used by YFull for age estimation; an "(H)" means that the SNP is located in a homologous region (i.e., one that is similar to other regions on the Y chromosome or on other chromosomes) and therefore is less reliable.

**A3 (~ 139)**

**A4 (~ 864)**

**A2 (~ 1347)**



-   
 Ireland (Kilkenny)
-   
 England (Somerset)
-   
 Norway (Levanger)
-   
 Norway (Sør-Odal)
-   
 Sweden (Ö. Tolerud, Grava)
-   
 Norway (Grue)
-   
 Sweden (Södra Rådom, Nyed)
-   
 Sweden (Ölmbäck, Väse)
-   
 Sweden (Ö. Glänne, Frykerud)
-   
 Sweden (Gillberga)
-   
 Sweden (Nedre Ullerud)
-   
 Sweden (Gersheden, Ransäter)
-   
 Sweden (Skived, Grava)
-   
 Sweden (Rosensjö, Karlskoga)
-   
 Sweden (Jordkullen, Kroppa)
-   
 Sweden (Nor)