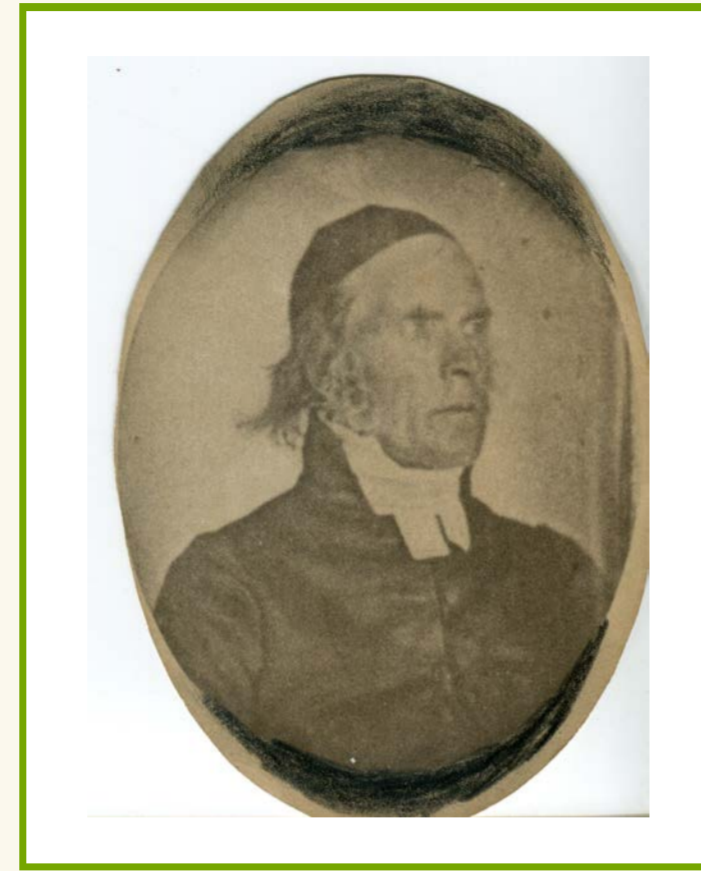


The Värmland-Hedmark Cluster and a Neighboring Branch (July 2023)

Confidence intervals for age estimates

The age estimates for A1-A9 in the tree are from YFull (YTree v11.04.00), and those for A3 and A10-A11 are from FTDNA (July 27, 2023); thus, for A3, age estimates from both companies are provided. Unless otherwise indicated, all years shown are A.D. Below are confidence intervals at the 95% level:

- 95% CI**
- ◇ A1: 923 — 1623
 - ◇ A2: 1173 — 1523
 - ◇ A3: $\begin{cases} 477 \text{ B.C.} - 673 & (\text{YFull}) \\ 56 - 800 & (\text{FTDNA}) \end{cases}$
 - ◇ A4: 322 — 1272
 - ◇ A5: 923 — 1748
 - ◇ A6: 923 — 1773
 - ◇ A7: 1173 — 153
 - ◇ A8: 1173 — 1523
 - ◇ A9: 1123 — 1848
 - ◇ A10: 768 — 1583
 - ◇ A11: 1288 — 1834



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. The branches shown in the tree are defined by the SNPs listed below.^a The portrait to the left shows one of the known, and relatively recent, patrilineal ancestors: Magnus Lagerlöf (1778-1844), who can be found under A5 in the tree.

Defining SNPs

- ◇ 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)*
- ◇ A10: FT5016, FT5166, FT5167, FT5193, FT5729
- ◇ A11: BY106437, BY112147, BY134583

^aAn 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 (YFull: ~ 140; FTDNA: ~ 421)

A4 (~ 1000)

The Värmland-Hedmark Cluster

A2 (~ 1348)

A10 (~ 1251)

A11 (~ 1621)

A7 (~ 1306)

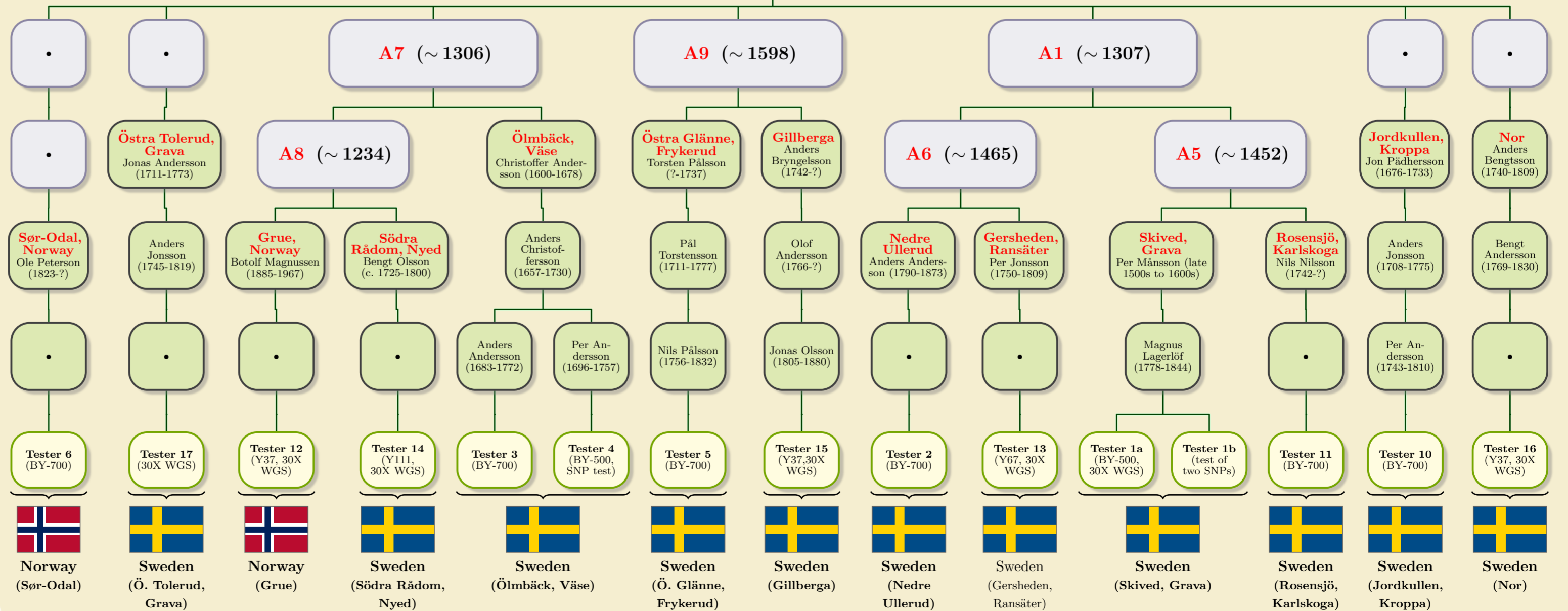
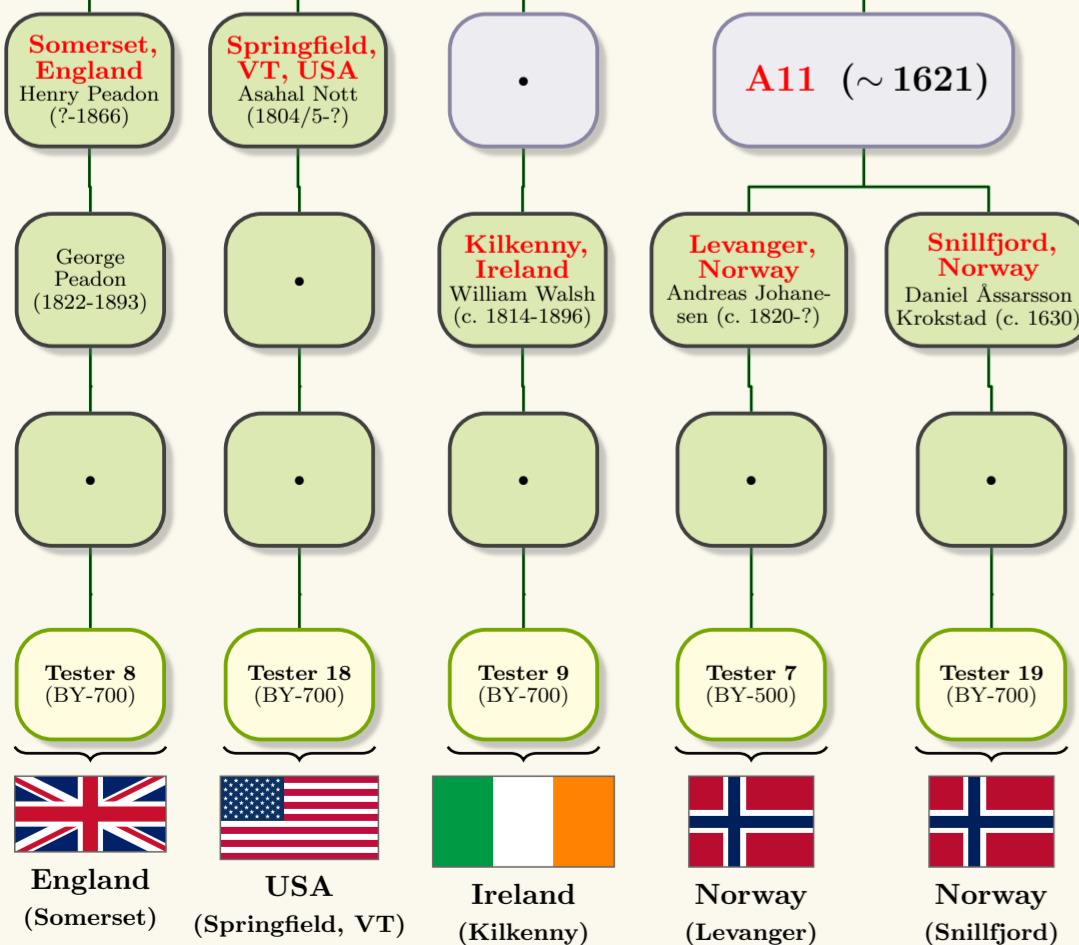
A9 (~ 1598)

A1 (~ 1307)

A8 (~ 1234)

A6 (~ 1465)

A5 (~ 1452)



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