

The Värmland-Hedmark Cluster and a Neighboring Branch, July 2021

Confidence intervals for age estimates

The age estimates in the tree are from YFull (YTree v9.03.00; note that Testers 9 and 15 are not yet included). YFull also provides the following confidence intervals at the 95% level:

- ◇ **A1:** AD 921 — AD 1621
- ◇ **A2:** AD 621 — AD 1621
- ◇ **A3:** 379 BC — AD 621
- ◇ **A4:** AD 221 — AD 1371
- ◇ **A5:** AD 921 — AD 1746
- ◇ **A6:** AD 921 — AD 1771
- ◇ **A7:** AD 621 — AD 1621
- ◇ **A8:** AD 621 — AD 1621



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 (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).

- ◇ **A1:** Y86344, Y107658*
- ◇ **A2:** Y100873*, Y128033, Y101814*, Y103246, Y130179, Y83455, Y125815*
- ◇ **A3:** Y112538, Y129064
- ◇ **A4:** BY71612, Y159325, BY116275, BY146620, BY78202, BY99722, BY100142, BY102070
- ◇ **A5:** FT146431
- ◇ **A6:** BY12164
- ◇ **A7:** A25847*
- ◇ **A8:** A25843, A25844, A25845, Y126692(H)*

