

# The Värmland-Hedmark Cluster and a Neighboring Branch (Dec. 2021)

## Confidence intervals for age estimates

The age estimates in the tree are from my (Johan Lagerlöf's) own calculations—see No. 6 of the VHC newsletter for some discussion. The estimates are based on the number of SNPs in the combBED region, as reported by YFull (YTree v9.05.00). Below are confidence intervals at the 90% and 95% levels (some of them are not available this time due to technical problems):

	90% CI	95% CI
A1:	n.a.	n.a.
A2:	n.a.	n.a.
A3:	n.a.	n.a.
A4:	AD 517 — AD 1239	AD 421 — AD 1335
A5:	AD 1195 — AD 1738	AD 1134 — AD 1778
A6:	AD 1083 — AD 1729	AD 1010 — AD 1797
A7:	n.a.	n.a.
A8:	AD 863 — AD 1587	AD 728 — AD 1656
A9:	AD 1320 — AD 1833	AD 1248 — AD 1905

## 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 (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). The named ancestors for Tester 15 are still uncertain—we will do further DNA testing to try to have the names confirmed.

- ◇ 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)\*
- ◇ A9: FTA19875\*, FTA18226(H), A29538(H)\*

**A3** (~ AD 3)

**A4** (~ AD 902)

**A2** (~ AD 1014)

**A7** (~ AD 1014)

**A9** (~ AD 1609)

**A1** (~ AD 1313)

**A8** (~ AD 1231)

**Ölm-bäck, Väse**  
Christoffer Andersson (1600-1678)

**Östra Glänne, Frykerud**  
Torsten Pålsson (?-1737)

**Gillberga**  
Anders Bryngelsson (1742-?)

**A6** (~ AD 1441)

**A5** (~ AD 1479)

**Jordkullen, Kroppa**  
Jon Pädheresson (1676-1733)

**Nor**  
Anders Bengtsson (1740-1809)

**Kilkenny, Ireland**  
William Walsh (c. 1814-1896)

George Peadon (1822-1893)

**Levanger, Norway**  
Andreas Johansen (c. 1820 - ?)

**Sør-Odal, Norway**  
Ole Peterson (1823-?)

**Grue, Norway**  
Botolf Magnussen (1885-1967)

**Södra Rådom, Nyed**  
Bengt Olsson (c. 1725-1800)

Anders Christoffersson (1657-1730)

Pål Torstensson (1711-1777)

Olof Andersson (1766-?)

**Nedre Ullerud**  
Anders Andersson (1790-1873)

**Gersheden, Ransäter**  
Per Jonsson (1750-1809)

**Skived, Grava**  
Per Månsson (late 1500s to 1600s)

**Rosensjö, Karlskoga**  
Nils Nilsson (1742-?)

Anders Jonsson (1708-1775)

Bengt Andersson (1769-1830)

Tester 9 (BY-700)

Tester 8 (BY-700)

Tester 7 (BY-500)

Tester 6 (BY-700)

Tester 12 (Y37, 30X WGS)

Tester 14 (Y111, 30X WGS)

Tester 3 (BY-700)

Tester 4 (BY-500, SNP test)

Tester 5 (BY-700)

Tester 15 (Y37, 30X WGS)

Tester 2 (BY-700)

Tester 13 (Y67, 30X WGS)

Tester 1a (BY-500, 30X WGS)

Tester 1b (test of two SNPs)

Tester 11 (BY-700)

Tester 10 (BY-700)

Tester 16 (Y37, 30X WGS)