

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

Confidence intervals for age estimates

The age estimates for A1-A9 in the tree are from YFull (YTree v11.05.00), and those for A3 and A10-A11 are from FTDNA (Jan 1, 2024); 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:	{ 477 B.C. — 673 (YFull) 73 B.C. — 790 (FTDNA)
◇ A4:	323 — 1273
◇ A5:	923 — 1748
◇ A6:	923 — 1773
◇ A7:	1173 — 1523
◇ A8:	1173 — 1523
◇ A9:	1123 — 1848
◇ A10:	762 — 1581
◇ A11:	1285 — 1833

SNPs that define the branches

The Värmland-Hedmark Cluster is a twig on the R1b branch of the human Y-DNA 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.*

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

*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 (YFull: ~ 140; FTDNA: ~ 408)

