

Additional file 5

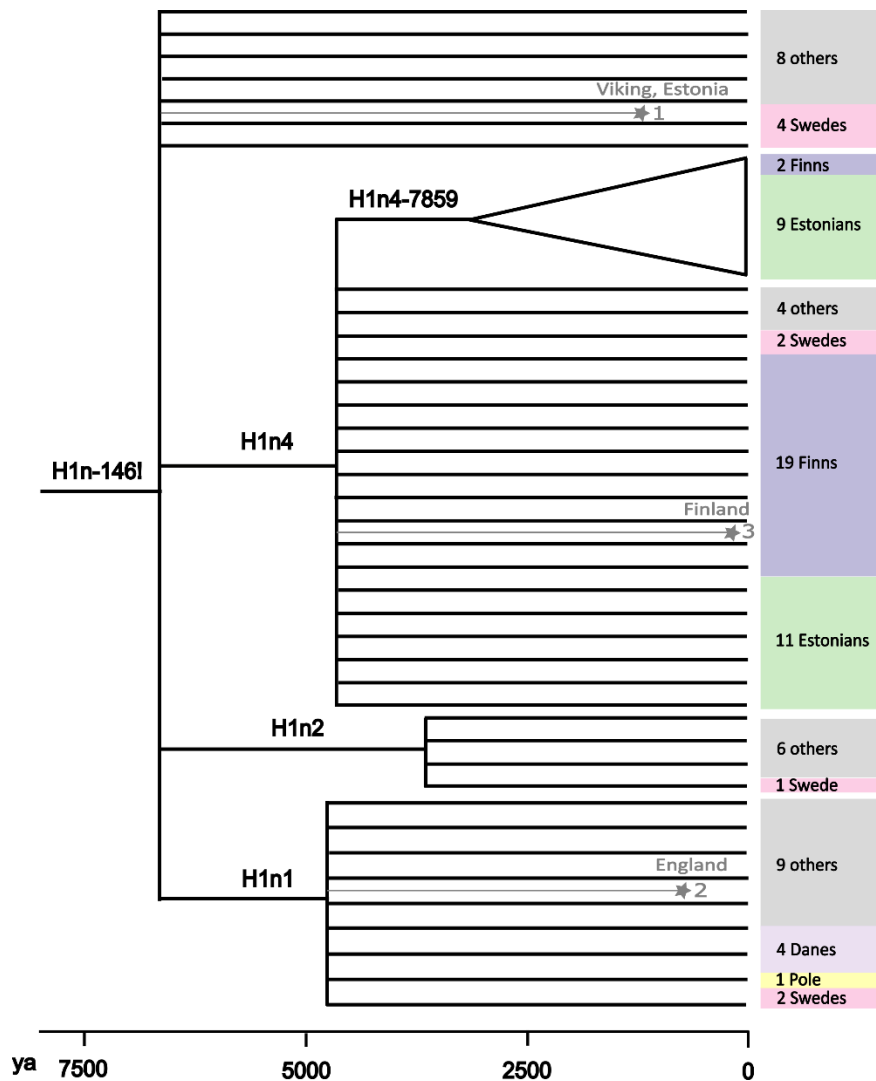


Fig. S7. Schematic representation of hg H1n-146I phylogeny. The phylogenetic tree of a total of 84 modern complete mitogenomes reconstructed using BEAST v1.7.5 software. Unsupported dichotomies resulting from the strict bifurcation requirement of the software were manually reduced to polytomies. Subclade age estimates were adjusted to the arithmetic mean values reported in Additional File 2: Table S3. Asterisks indicate ancient DNA samples that were manually added to the tree based on their mean radiocarbon age or inferred cultural-context age, together with their geographic locations. Abbreviations: **ya** – years ago. Numbers correspond to the following publications: **1** – Margaryan et al., *Population genomics of the Viking world*, Nature 2020; **2** – Klunk et al., *Genetic resiliency and the Black Death: No apparent loss of mitogenomic diversity due to the Black Death in medieval London and Denmark*, Am J Phys Anthropology 2019; **3** – Översti et al., *Human mitochondrial DNA lineages in Iron-Age Fennoscandia suggest incipient admixture and eastern introduction of farming-related maternal ancestry*, Scientific Reports 2019.

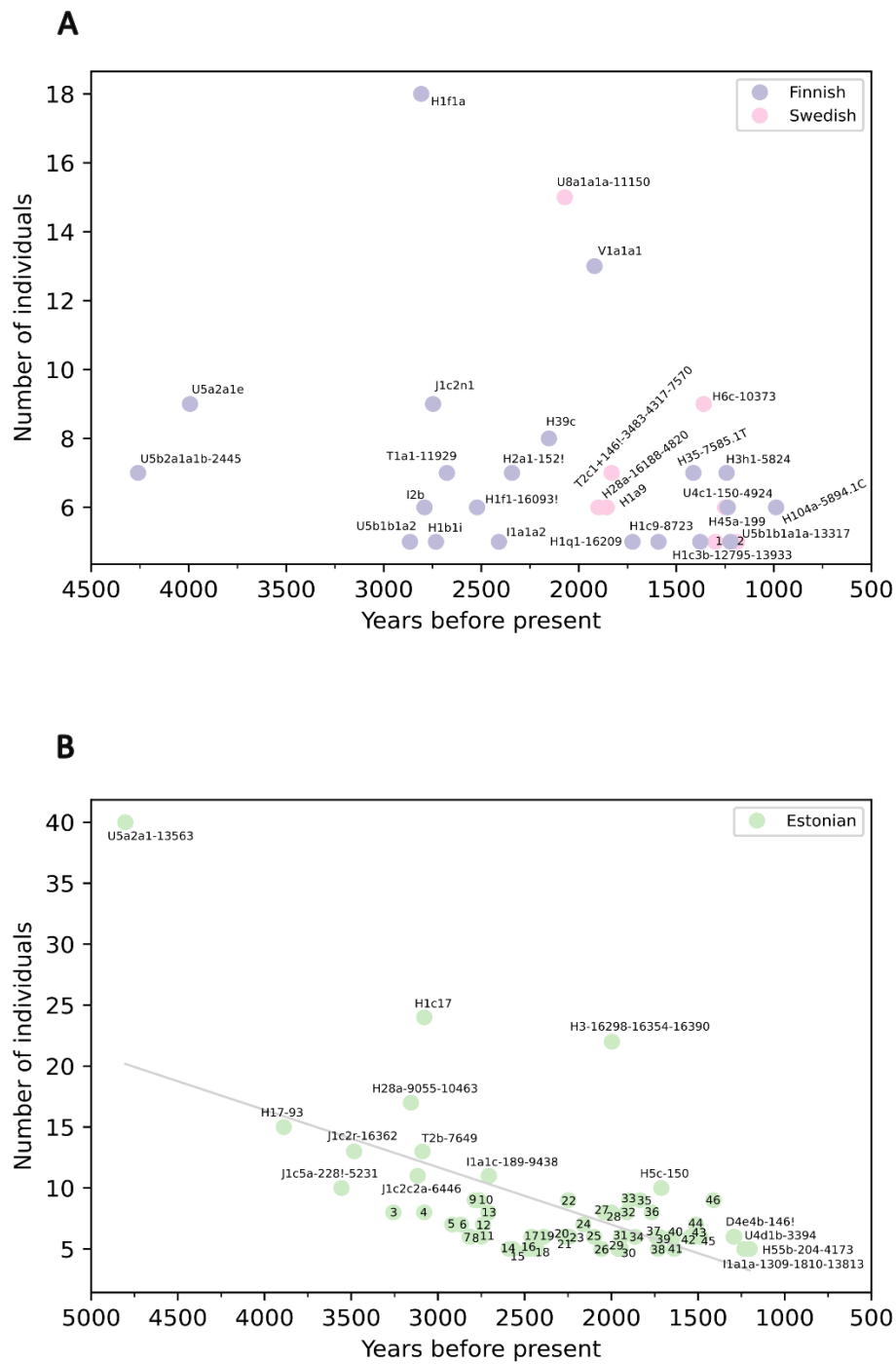


Fig. S8. Relationship between arithmetic mean of median coalescence ages and number of individuals in one-population clades. A) Finnish and Swedish one-population clades, coloured according to the figure key. **B)** Estonian one-population clades. The solid gray trendline depicts positive correlation. Numbers indicate the following clade names: **A)** 1 - I4a1-15924!-2833-6413-9053; 2 - T2-14040-990-4695-5162-

7269-9317-16241-16249. **B) 3** - G2a1-152!-8547-14587-10043; **4** - J1c15-185!-3618-5461-7912-11536-13443; **5** - W6a-4164-8704; **6** - J1c1b1a-14016-185!-9007; **7** - J2b1a6-9494!-146!-16359; **8** - V7a-10793; **9** - H5a1a-16483-16192-16311!; **10** - J1b1a1b-16222!; **11** - H5a1a-73!-10550; **12** - V18a-508!-2775-5469; **13** - W6a-4164-9110; **14** - U5b1e1-16362; **15** - J2a1a1e-14587-8838; **16** - U4a1-151-3290-3576-513-6040-16172-16362-1842; **17** - K1a1b1-16092-16184A-10410; **18** - J1c4-16189!-7805-9132-11186; **19** - U5a1g-8865-11485-2729-2931-8778-9196-9698; **20** - H2a1a-152!-94; **21** - U5b2a1a-16311!-538-8065-14560; **22** - U4a2-6152; **23** - H1ba-9655-16189!; **24** - H2a1-14127; **25** - U5a1b-1393-5046; **26** - H1c-16357; **27** - K1a4a1-13153-12942; **28** - T2-16189!-152!-5894-6510-16181; **29** - T2b4-152!-16296!-16240; **30** - X2c1a-16298; **31** - J1b1a1-228-11002; **32** - H13a1a1c-16093; **33** - T2b5-3721-13635; **34** - U5b1e1-8337-12747; **35** - U5b2a1b-769!; **36** - U4a2b-9803; **37** - T2b-9947; **38** - U5b1b2a-5177; **39** - T2l-16296!-200; **40** - U4a2g-16398-16129!; **41** - H1a-9449-6179; **42** - H76a-6446; **43** - T2b2b-7202; **44** - T2j1-4841-16325; **45** - H1c+152!-1173-15924; **46** - H16c-93-10828-13651-8609.