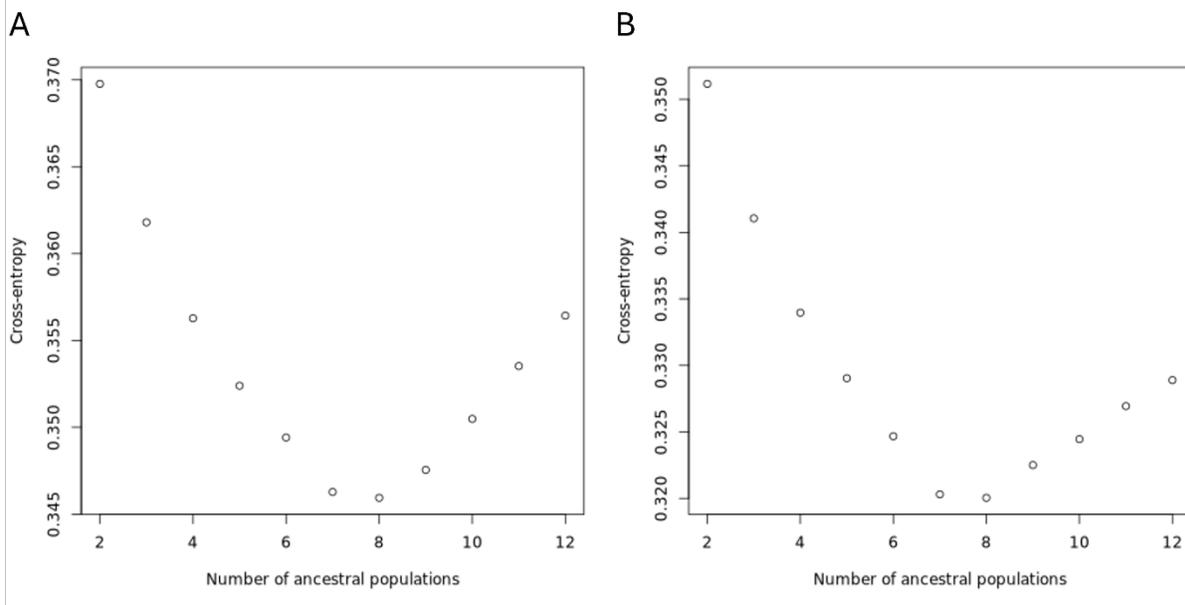


Supplemental data for:

Smogeli, N. A., Shutava, I., Ravnafoss, S. K., Kjetså, M., Kantanen, J., Pokharel, K., Selle, T., Mikko, S., Eriksson, S. and Berg, P. (2026) “Characterizing genetic diversity within and between native Nordic horse breeds utilizing and comparing the EquCab3.0 and EquCab_Finn reference genomes”, *Genetic Resources*, 7(13), pp. 103–117. doi: [10.46265/genresj.TXWX7641](https://doi.org/10.46265/genresj.TXWX7641).



Supplemental Figure 1. Cross-entropy from admixture analysis of the eight breeds across K values of 2-12 for A) EquCab3.0, and B) EquCab_Finn mapped data.

Supplemental Table 1. Admixture contribution of the different breeds to each breed¹ in the EquCab3.0 data, shown row-wise, (e.g. ARD's contribution to ARD is 0.946, DOL's contribution to ARD is 0.006, and NSH's contribution to ARD is 0.009, etc.).

	ARD	DOL	NSH	CBT	GTP	FJH	NLH	FRH
ARD	0.946	0.006	0.009	0.006	0.008	0.009	0.007	0.009
DOL	0.002	0.895	0.029	0.060	0.001	0.004	0.006	0.003
NSH	0.010	0.228	0.727	0.014	0.003	0.002	0.006	0.010
CBT	0.009	0.029	0.029	0.907	0.006	0.008	0.007	0.006
GTP	0.005	0.007	0.006	0.004	0.965	0.003	0.002	0.008
FJH	0.009	0.014	0.019	0.018	0.006	0.907	0.015	0.011
NLH	0.004	0.013	0.008	0.012	0.002	0.004	0.951	0.005
FRH	0.002	0.005	0.004	0.002	0.004	0.002	0.007	0.975

¹ARD = Swedish Ardennes, DOL = Dola Horse, NSH = North Swedish Horse, CBT = Coldblooded Trotter, GTP = Gotland Pony, FJH = Fjord Horse, NLH = Nordland / Lyngen Horse, FRH = Faroese Horse.

Supplemental Table 2. Admixture contribution of the different breeds to each breed¹ in the EquCab_Finn data, shown row-wise, (e.g. ARD's contribution to ARD is 0.950, DOL's contribution to ARD is 0.004, and NSH's contribution to ARD is 0.008 etc.).

	ARD	DOL	NSH	CBT	GTP	FJH	NLH	FRH
ARD	0.950	0.004	0.008	0.007	0.008	0.009	0.006	0.006
DOL	0.002	0.899	0.029	0.057	0.002	0.004	0.005	0.003
NSH	0.009	0.247	0.711	0.013	0.004	0.003	0.006	0.007
CBT	0.008	0.023	0.033	0.909	0.006	0.008	0.008	0.005
GTP	0.007	0.006	0.004	0.004	0.964	0.003	0.006	0.006
FJH	0.011	0.009	0.014	0.012	0.007	0.924	0.013	0.010
NLH	0.004	0.006	0.005	0.006	0.003	0.005	0.967	0.004
FRH	0.004	0.006	0.004	0.001	0.004	0.003	0.006	0.972

¹Abbreviations as in Supplemental Table 1