

Supplement Fig. S4 sNMF

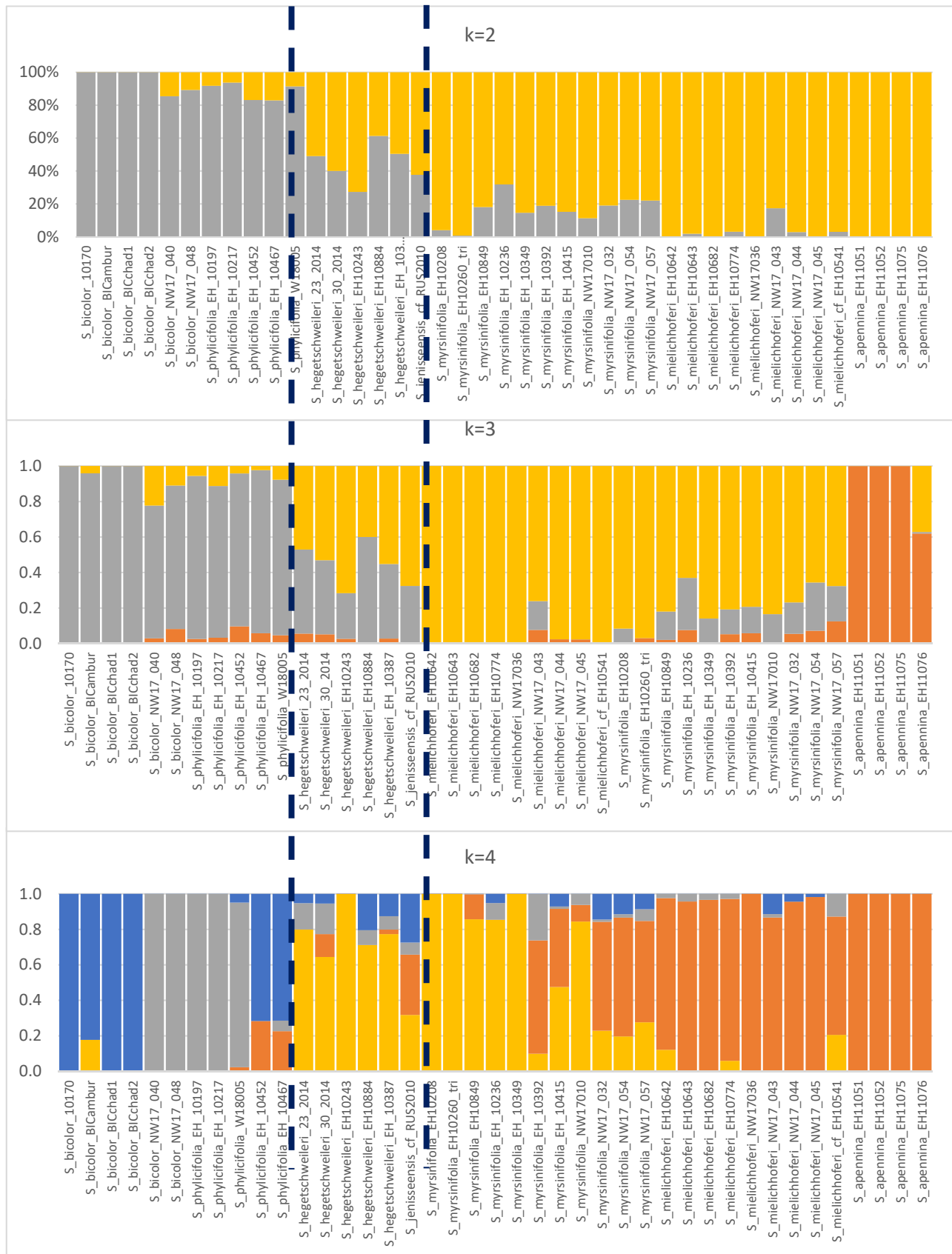


Fig S4 a Genetic structure analysis with sNMF including all hexaploid species based on 49,754 RAD loci. Displayed are barplots for three different k values. Colors represent genetic co-ancestry. For $k=2$, individuals grouping in the clade “*Nigricantes*” are shown in yellow and *Phyllicifoliae* in grey. Each bar represents one sample, the respective ID is indicated below each bar

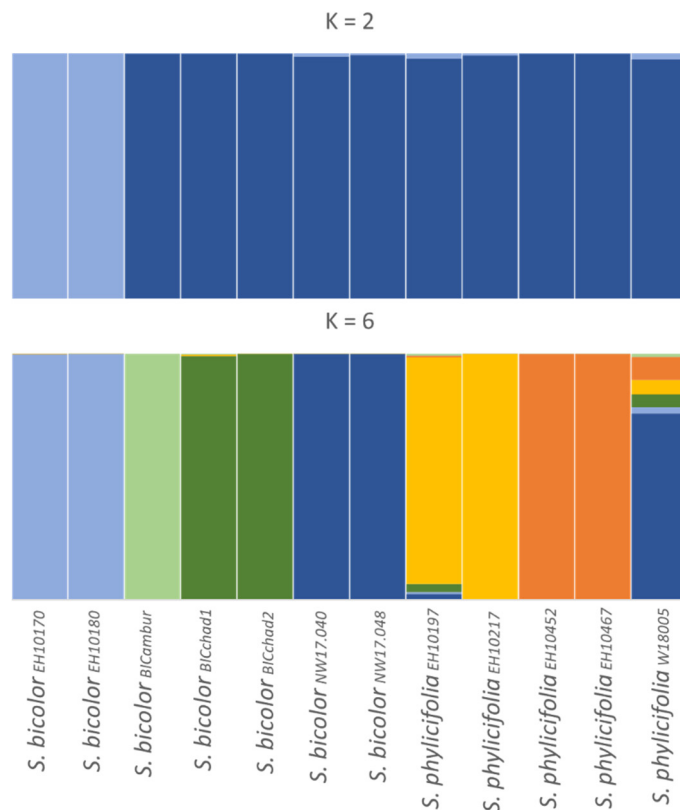


Fig S4 b. Barplot representing the results of the genetic structure analysis with sNMF for *S. bicolor* and *S. phyllicifolia* for $k=2$ and $k=6$ based on 27,010 RAD loci. The genetic structure is indicated by colors. Each bar represents one sample, the respective ID is indicated below each bar.

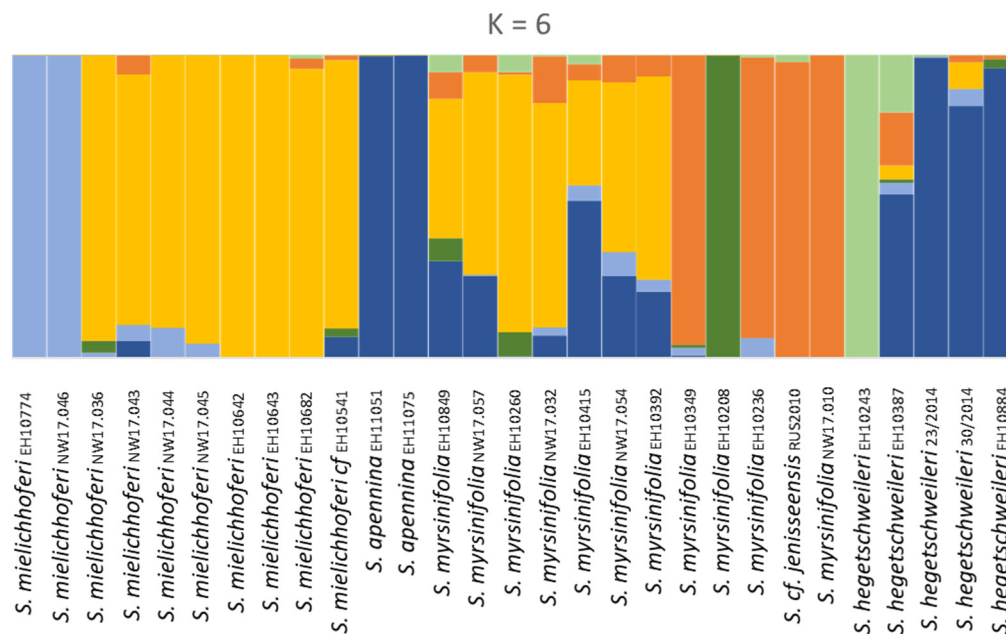


Fig S4 c. Barplot representing the results of the genetic structure analysis with sNMF for samples of section *Nigricantes* for $k=6$ based on 8,164 shared RAD loci. The genetic structure is indicated by colours. Each bar represents one sample, the respective ID is indicated below each bar.