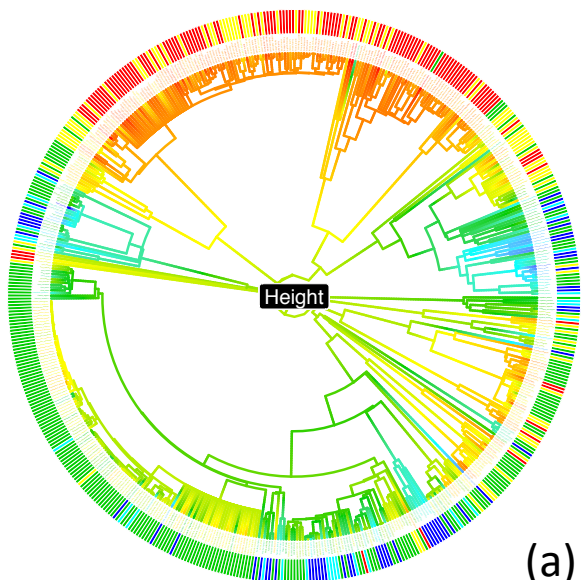
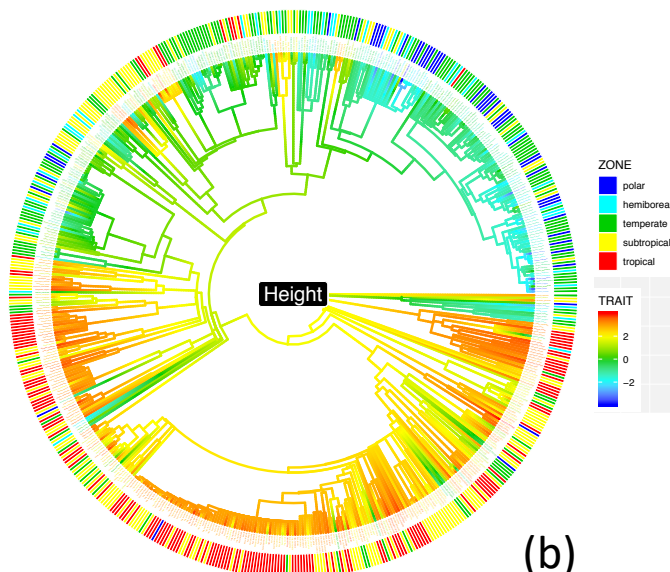


ERICALES

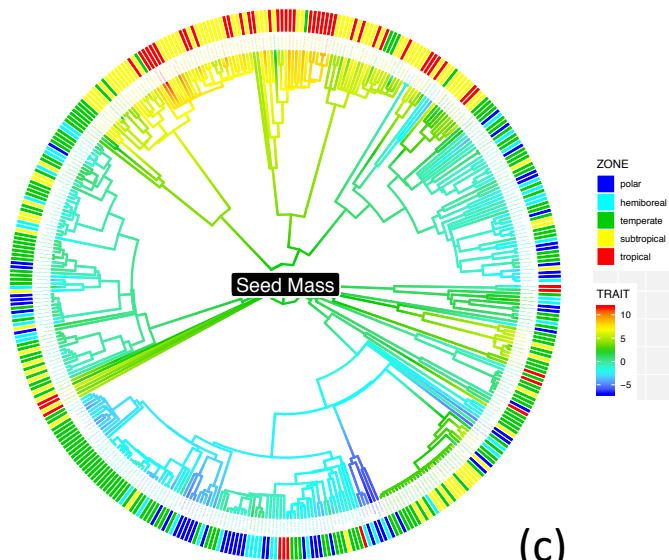


(a)

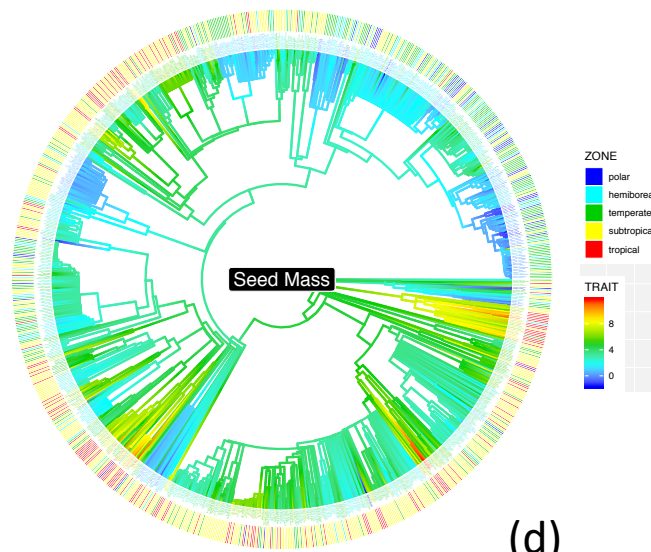
FABALES



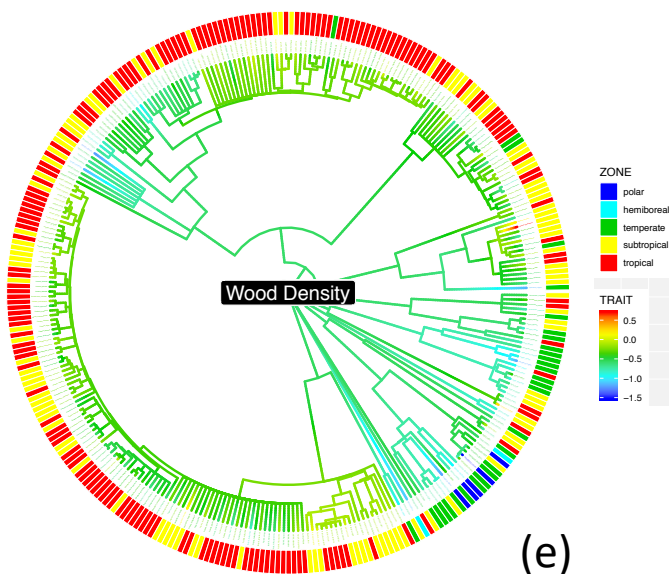
(b)



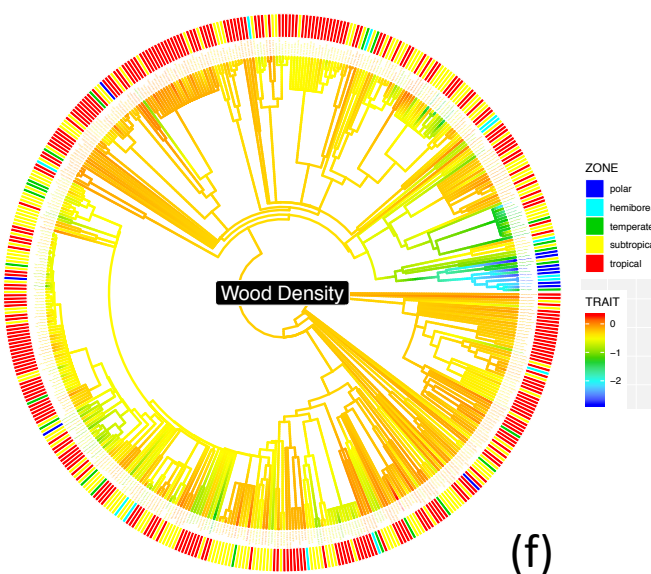
(c)



(d)

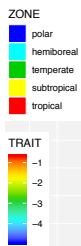
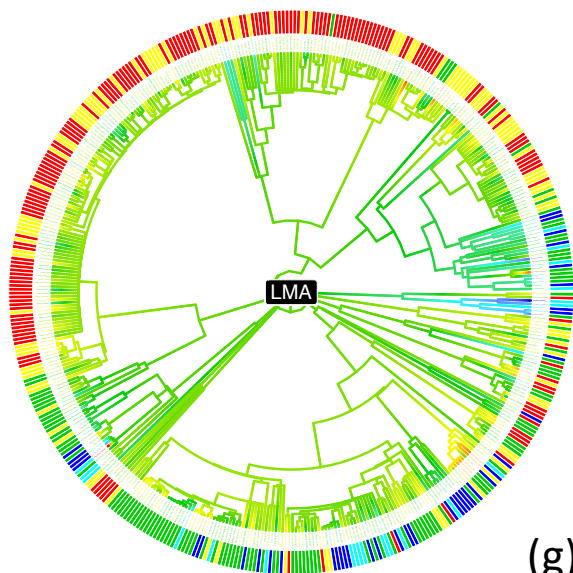


(e)



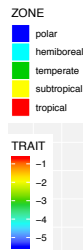
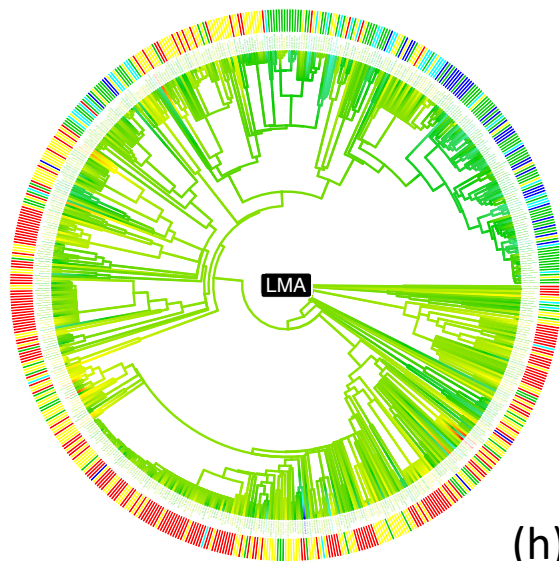
(f)

ERICALES

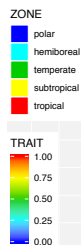
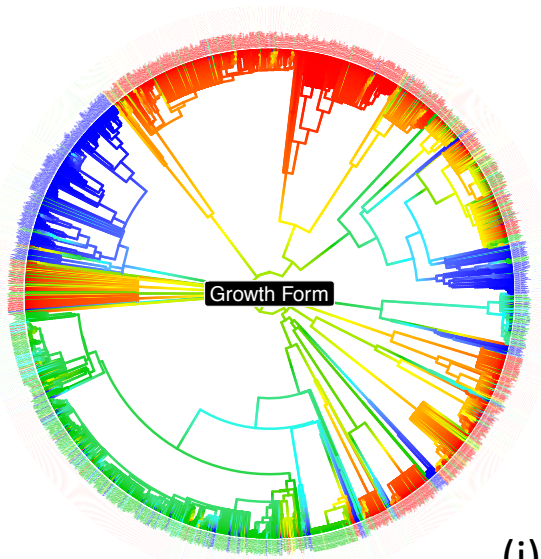


(g)

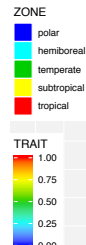
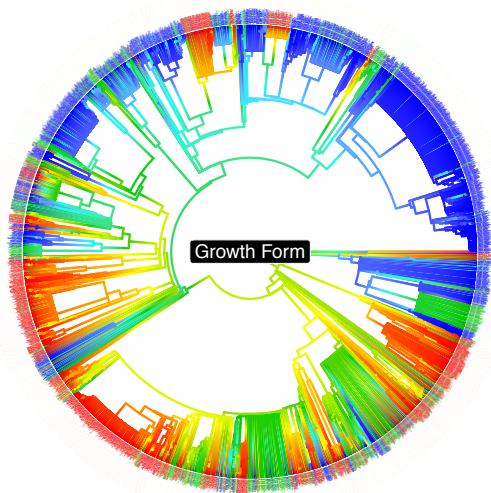
FABALES



(h)



(i)



(j)

Figure S4. Phylogenetic conservation of functional trait values and latitudinal extrema for Ericales (*left column*) and Fabales (*right column*). The only change to the phylogenies from Figure 3 in the main text is that here we include all taxa, whereas Figure 3 shows only a random sample of up to 500 species for traits with a large amount of data (which made it difficult to maintain readability of species names for some trait/ taxa combinations).