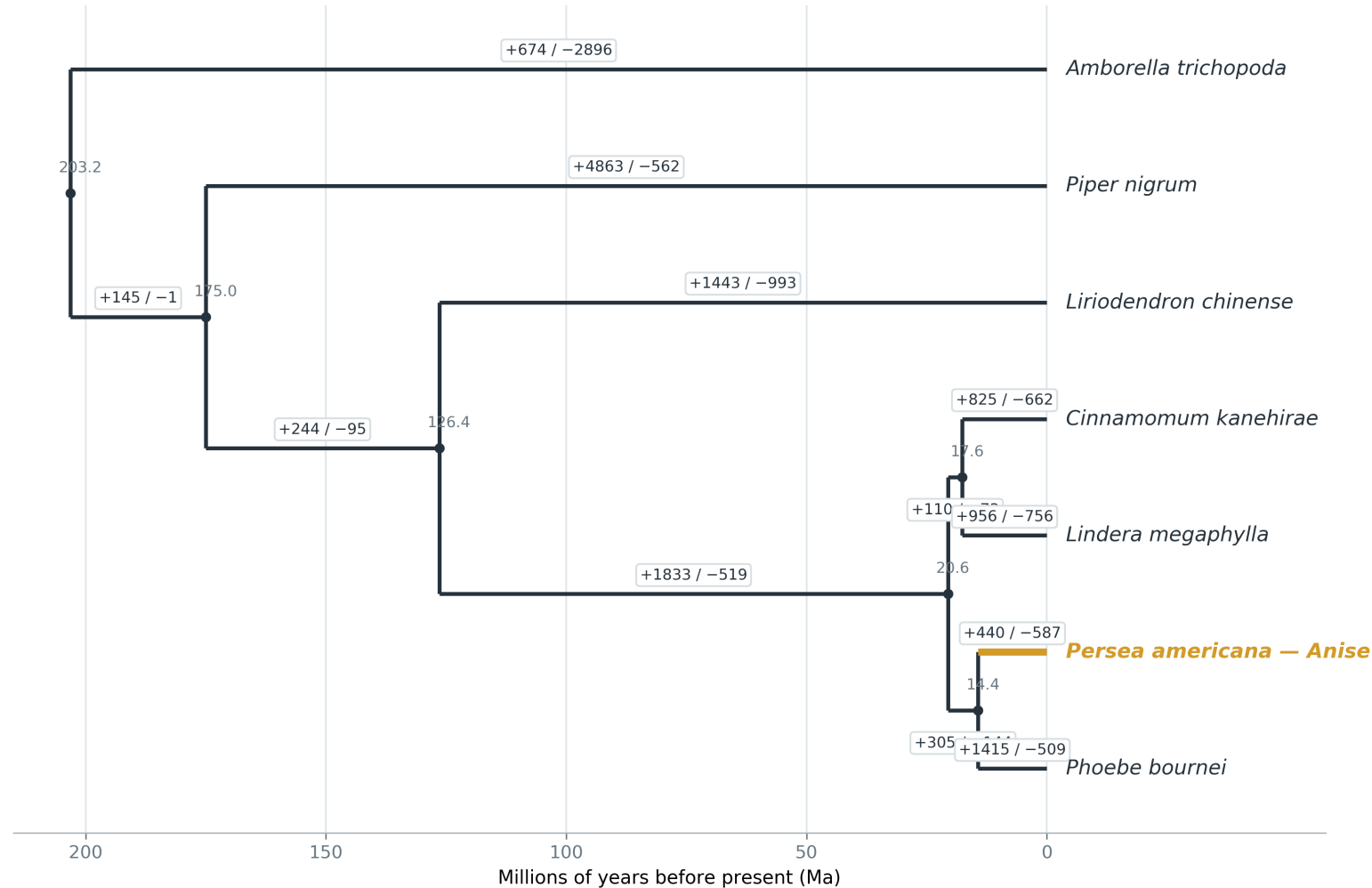


Divergence time and gene-family turnover

Seven-species phylogeny · robust CAFE5 dataset (8,805 orthogroups)



CAFE5 model

Global $\lambda = 0.002368 \text{ family}^{-1} \text{ Myr}^{-1}$

Anise branch

All reconstructed changes

+440 increased -587 decreased

Strict significant families

+61 expanded -67 contracted

After TE-family filtering

+45 expanded -66 contracted

Branch labels show all reconstructed changes.

Significant counts use family P and branch FDR < 0.05.