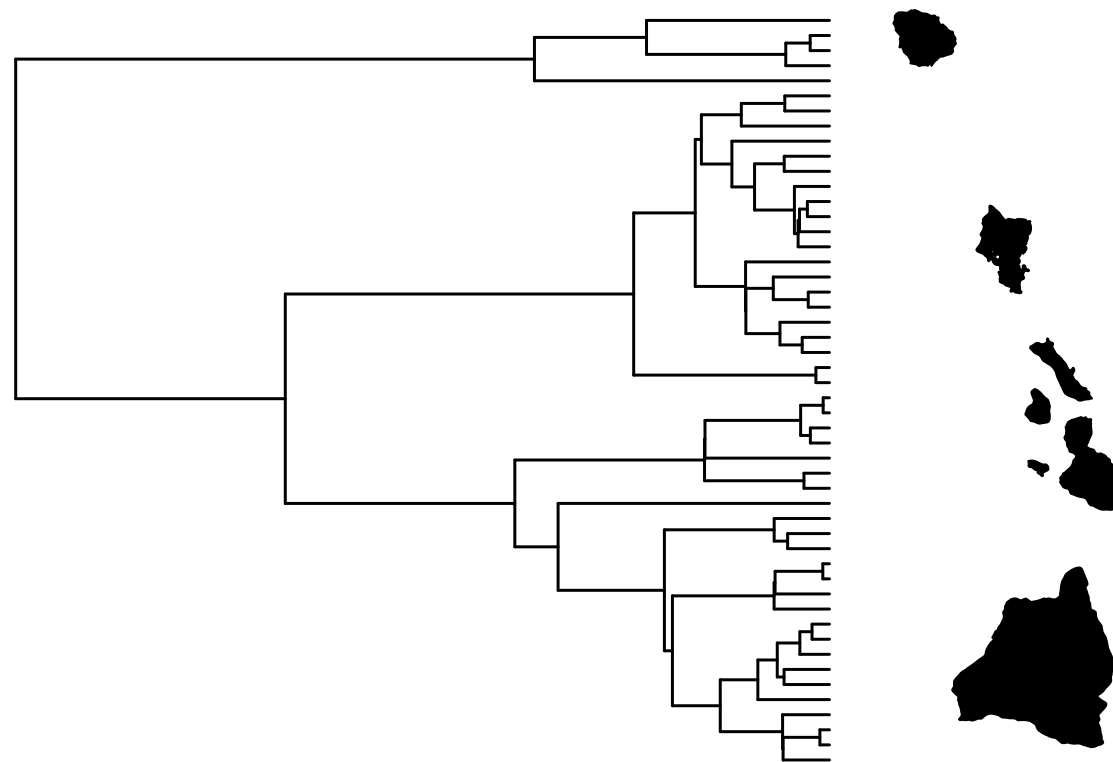
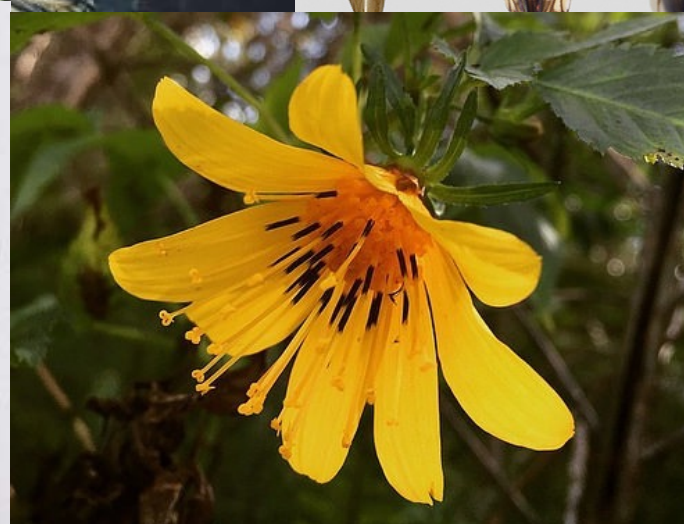
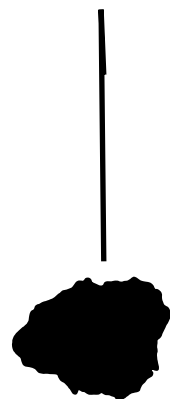


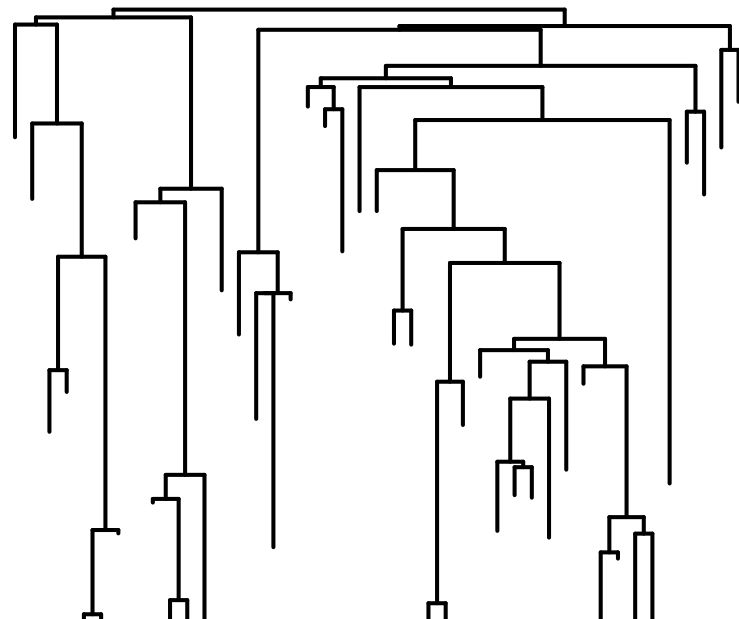
Macroevolutionary signals of insular adaptive radiations

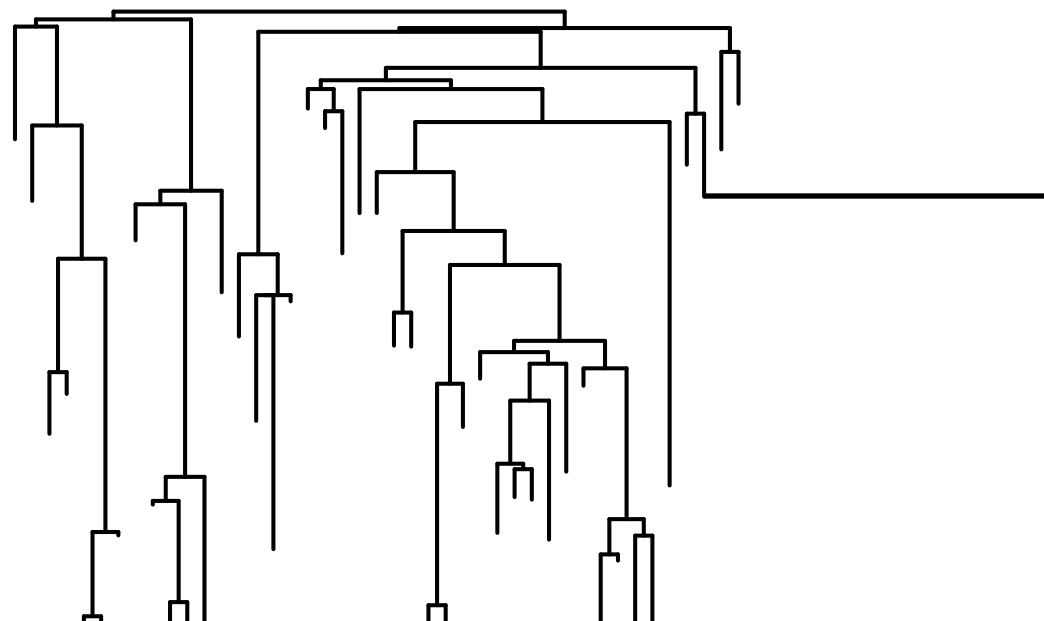


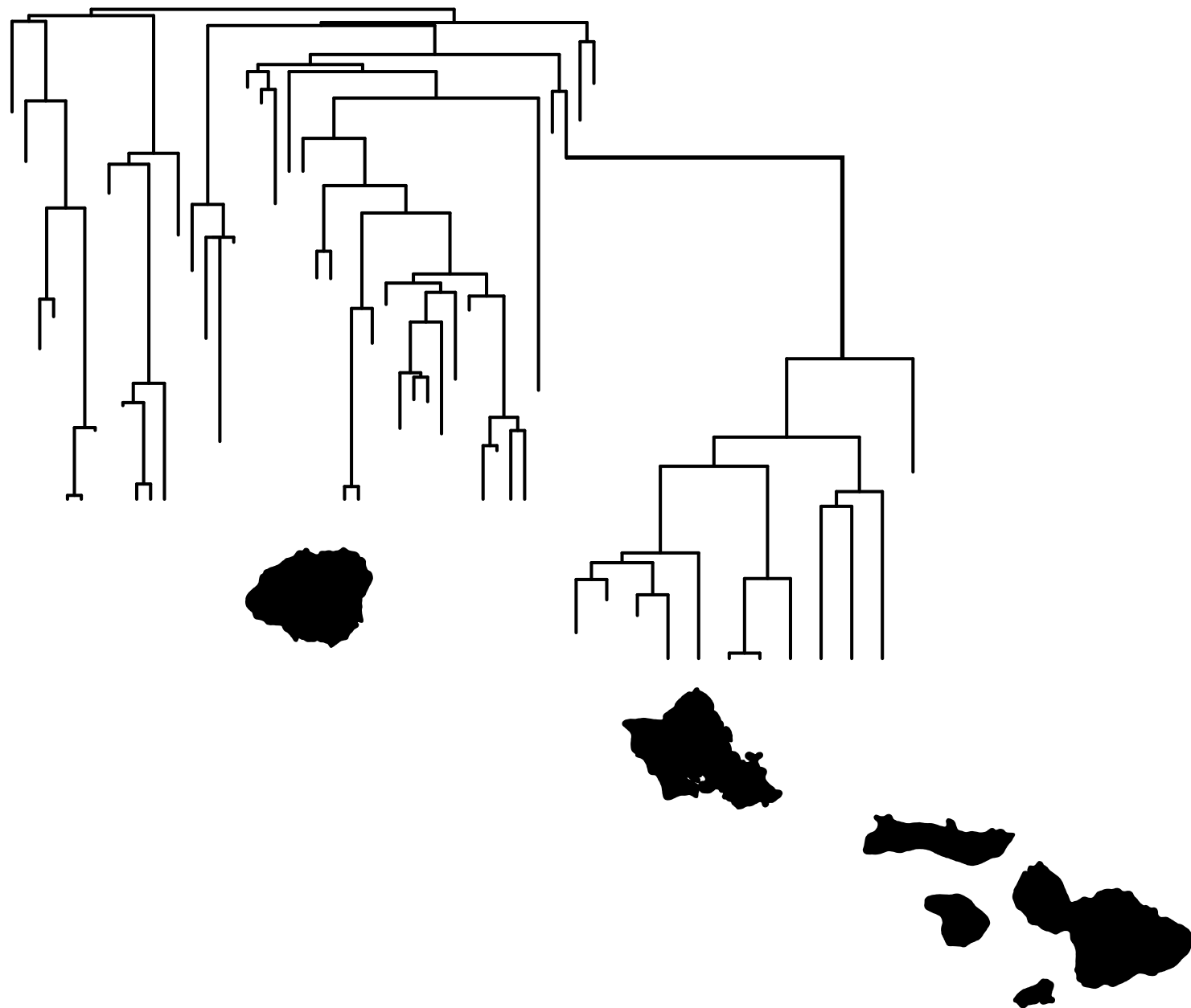
Andrew J. Rominger & Rosemary G. Gillespie
University of California Berkeley
nature.berkeley.edu/~rominger

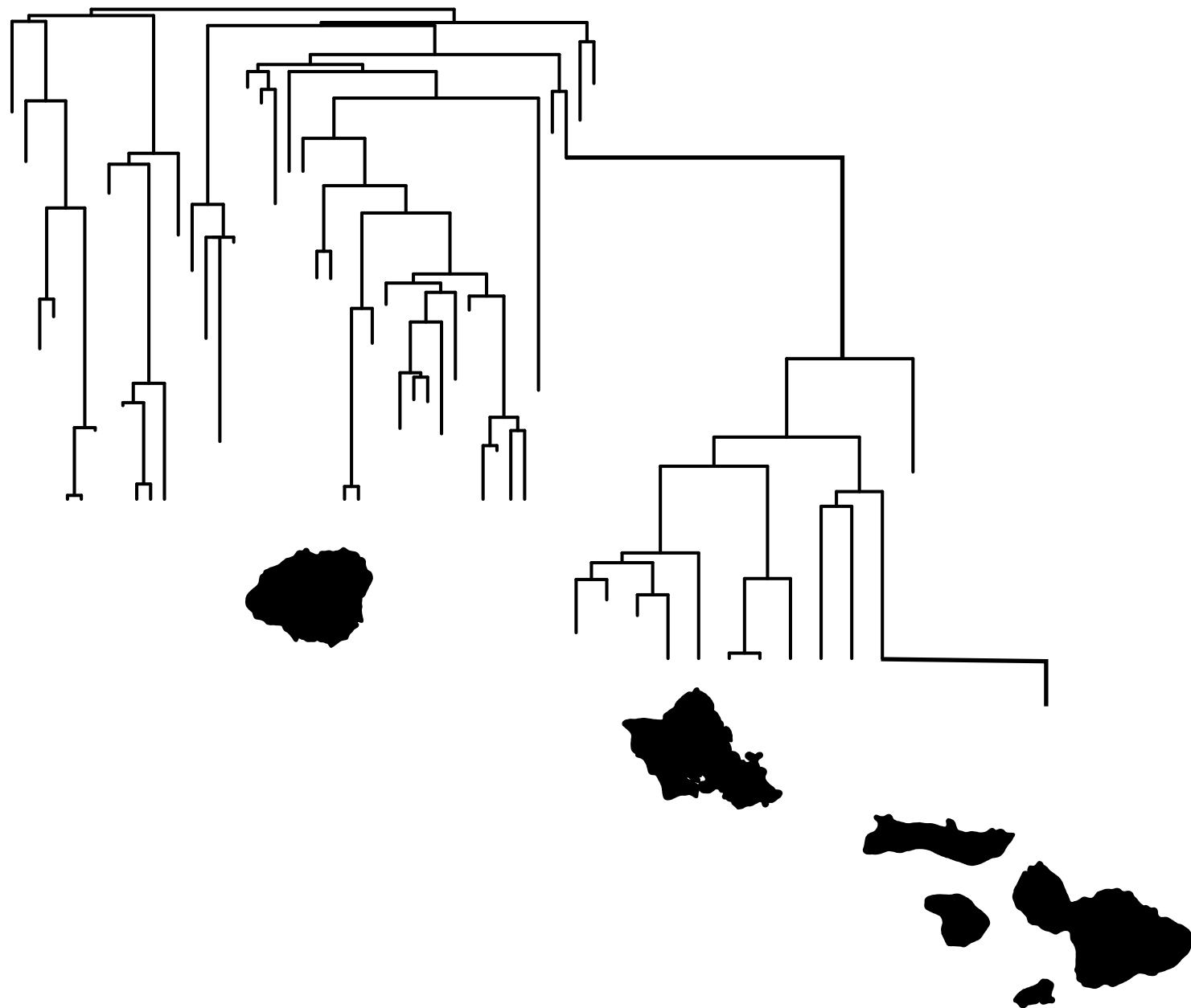


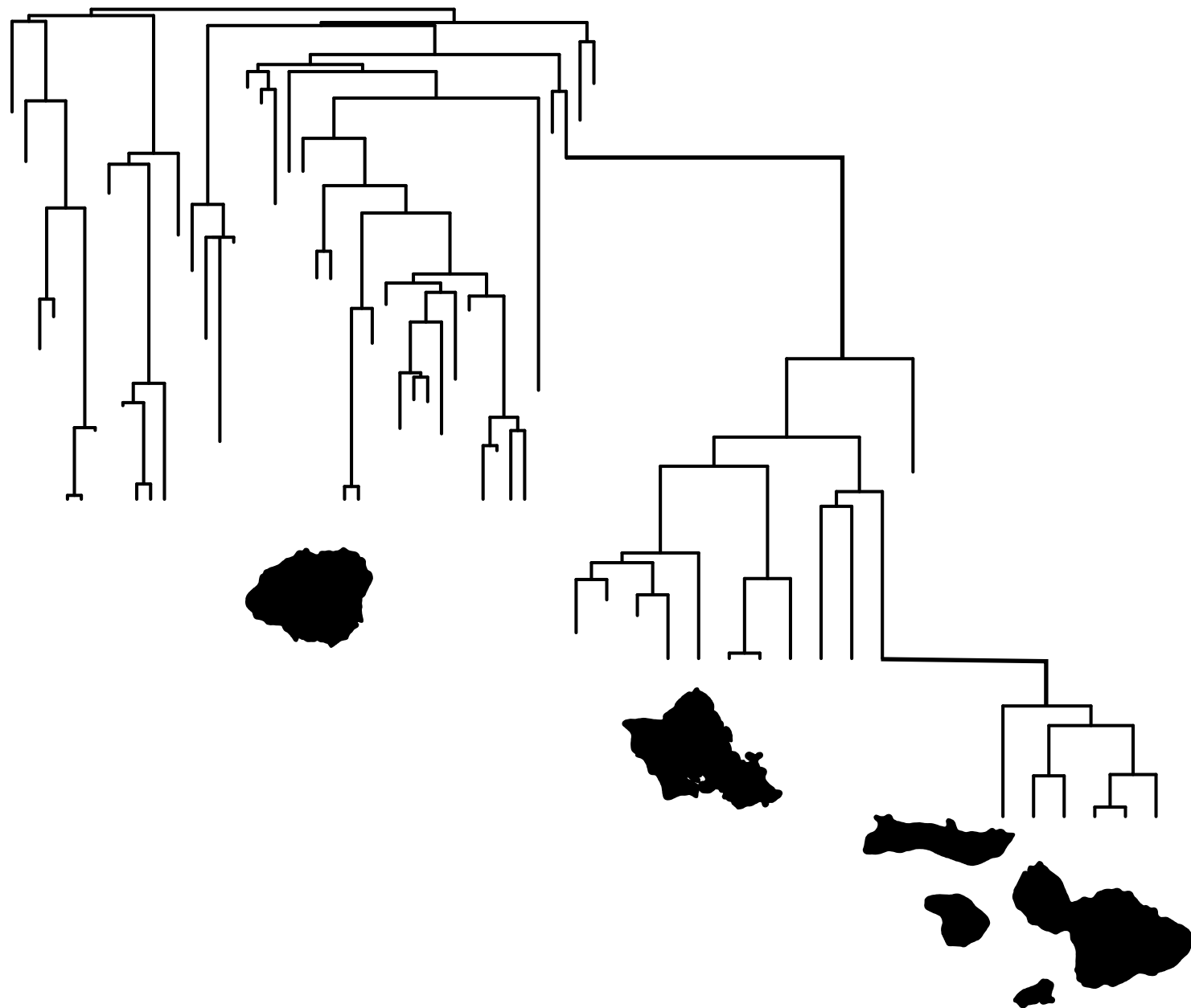










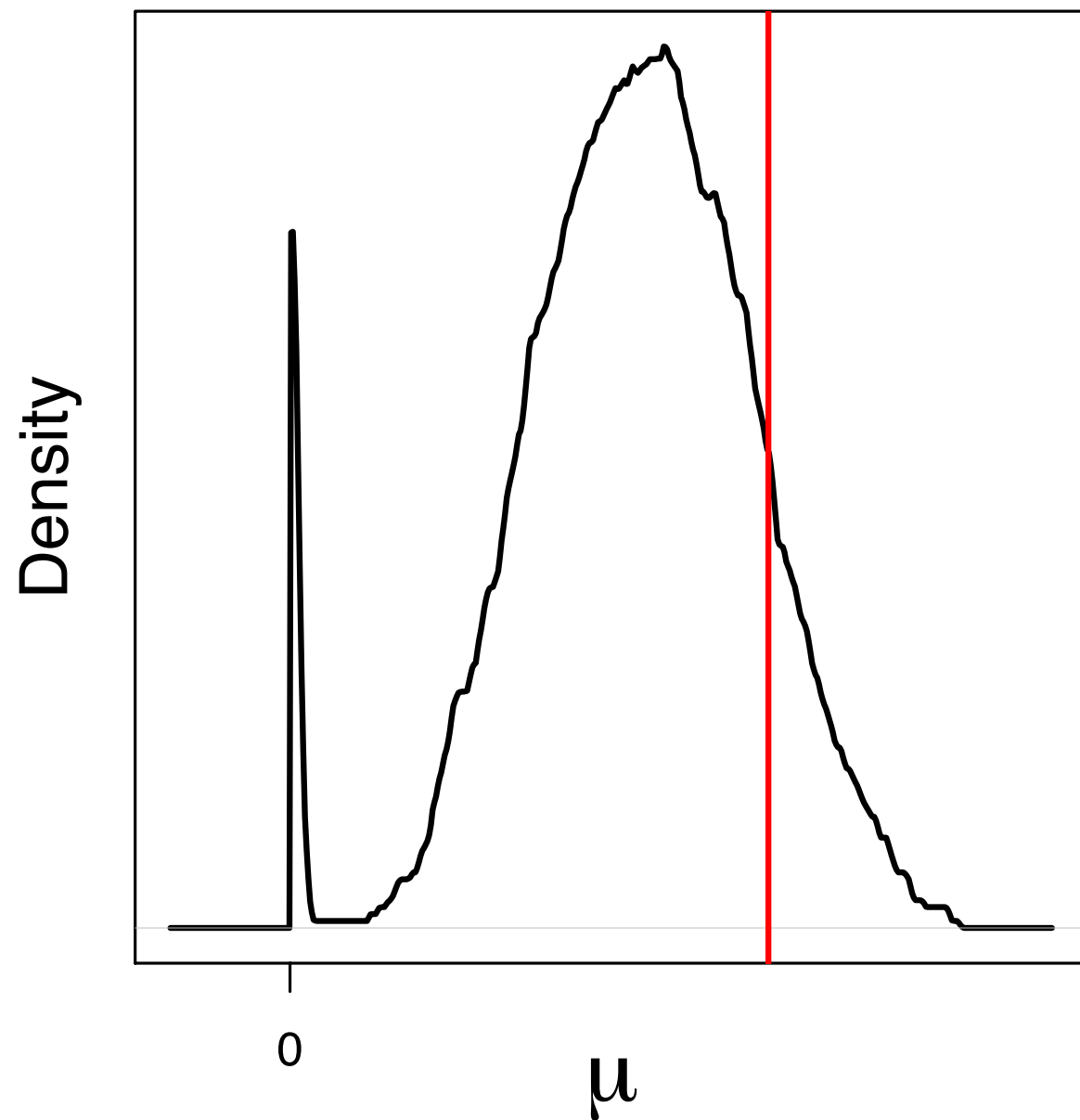






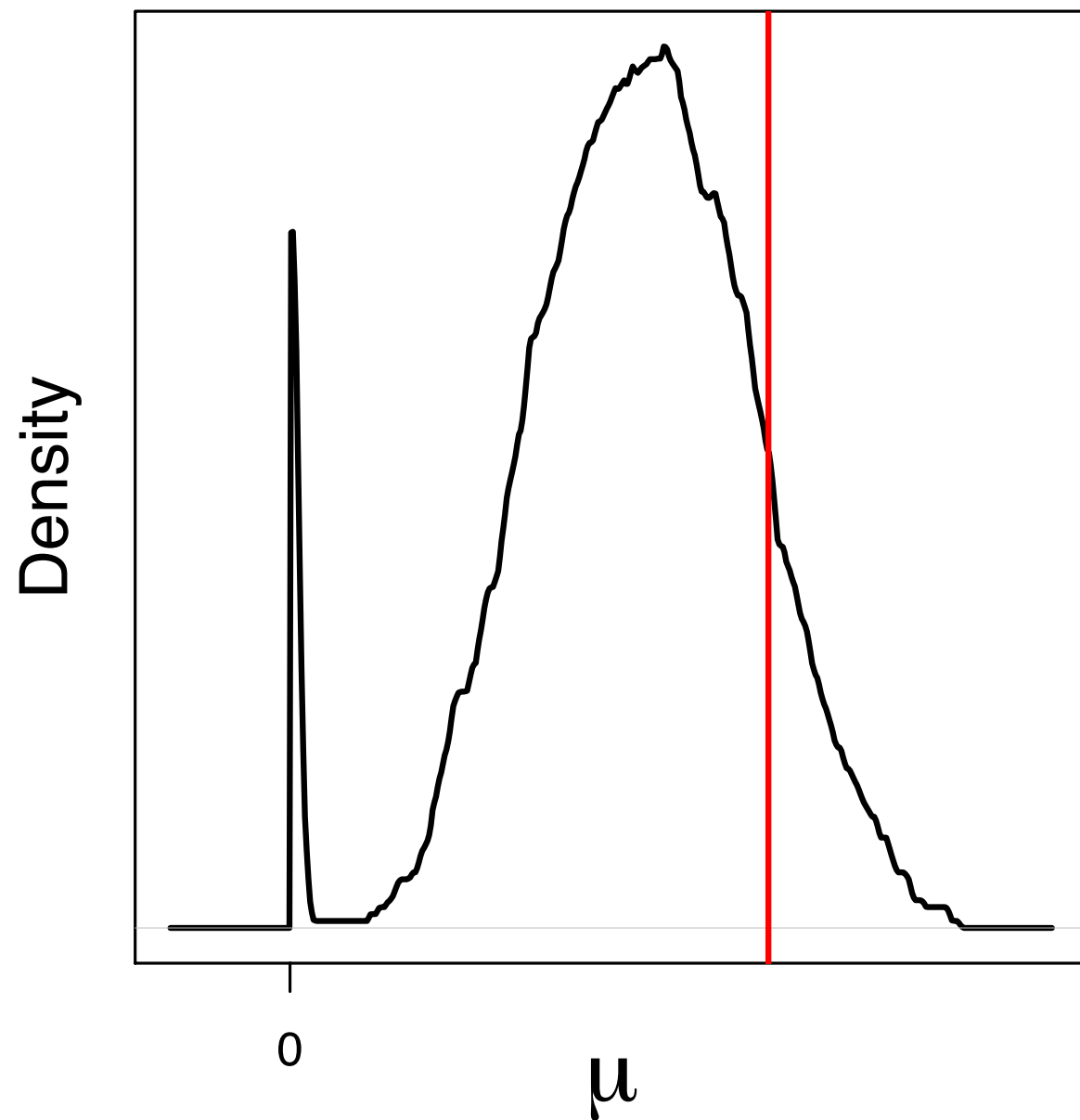
Rates are hard to estimate

Simulated

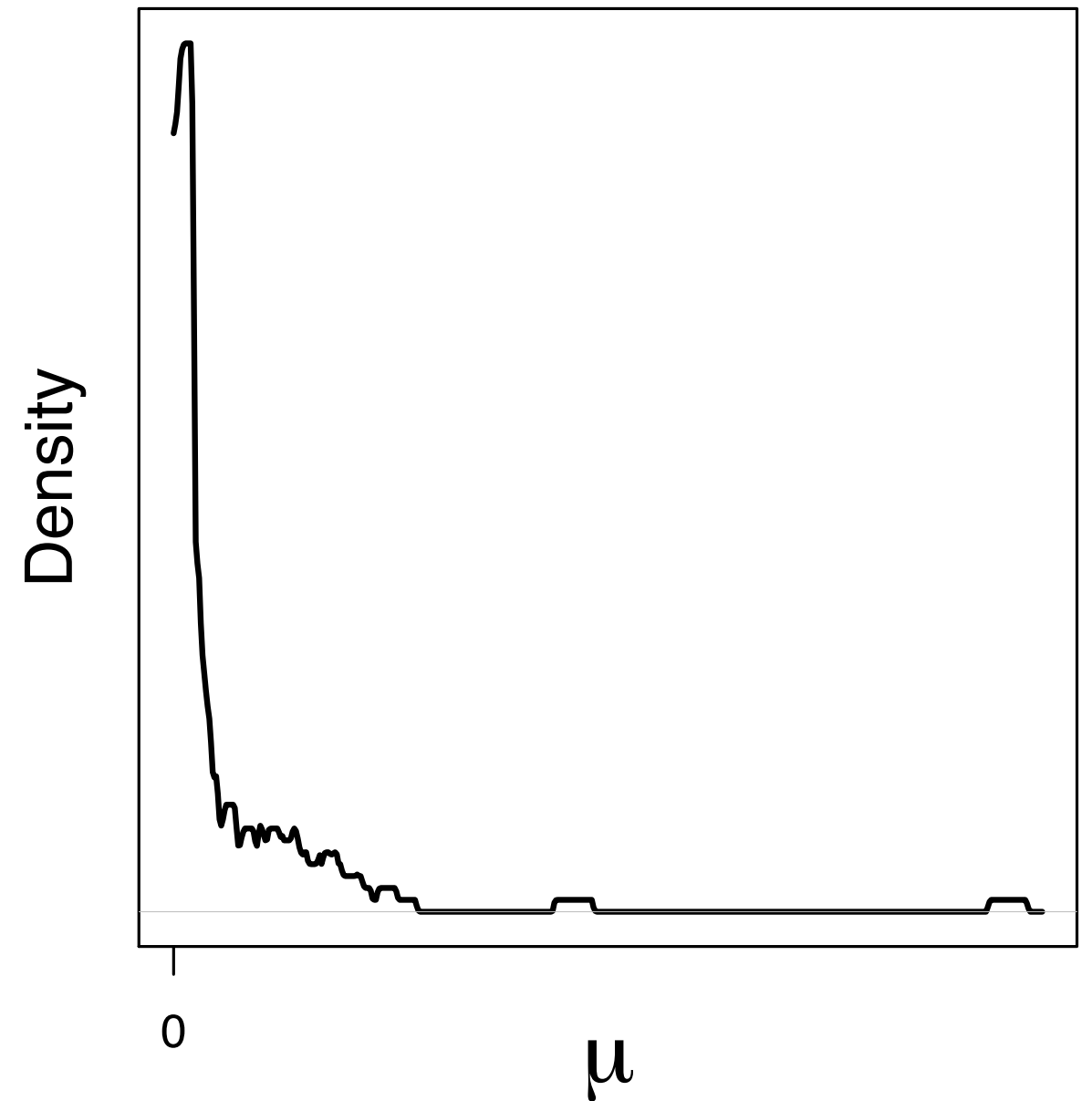


Rates are hard to estimate

Simulated

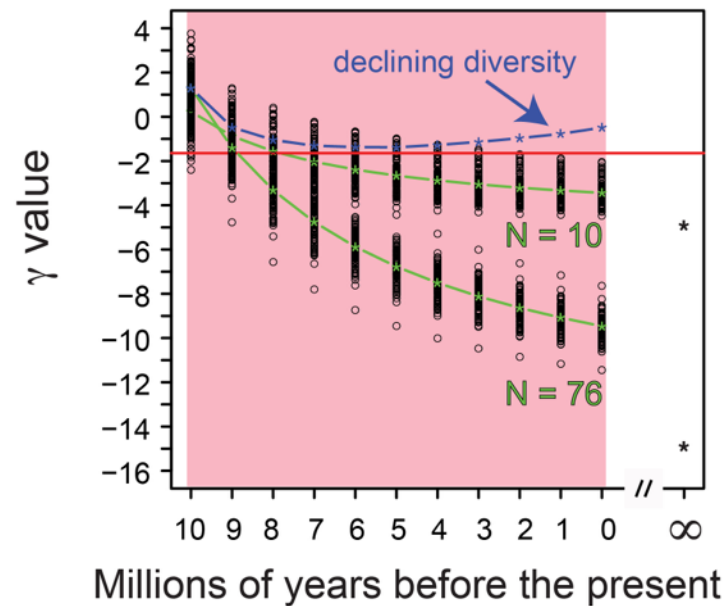


Empirical

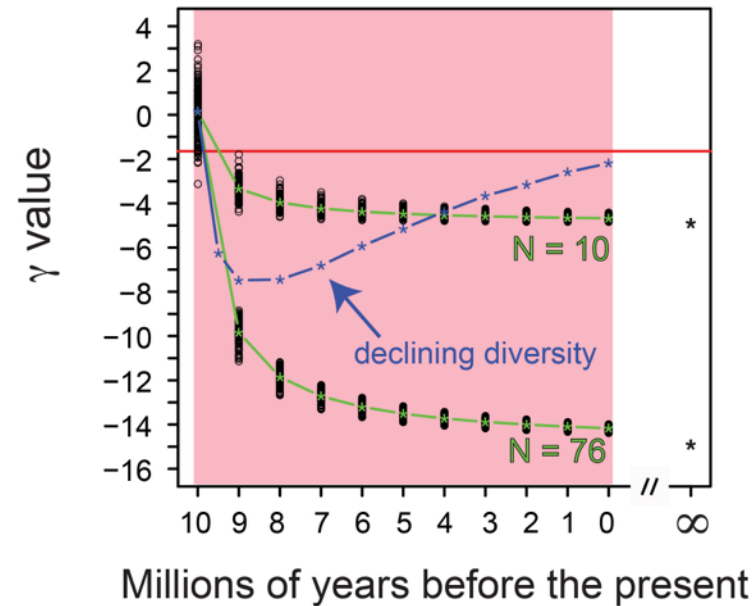


Rates are hard to estimate

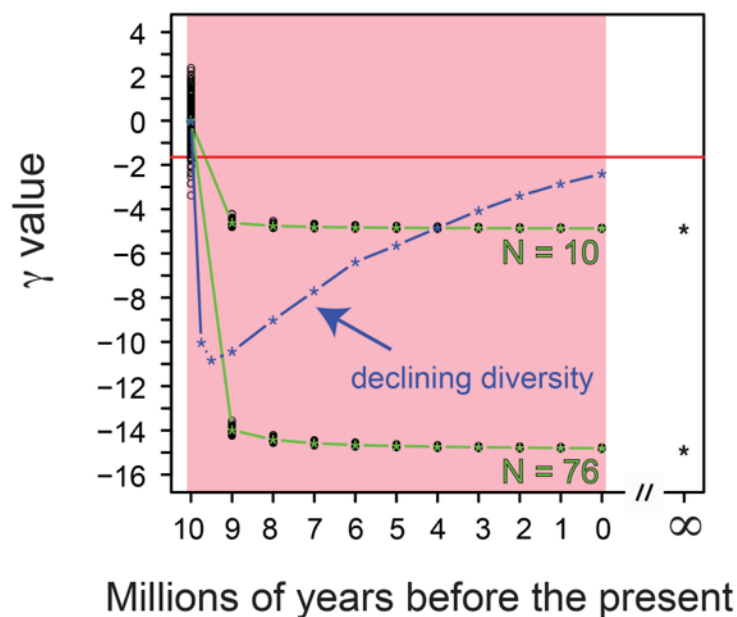
A Stasis after a slow diversification



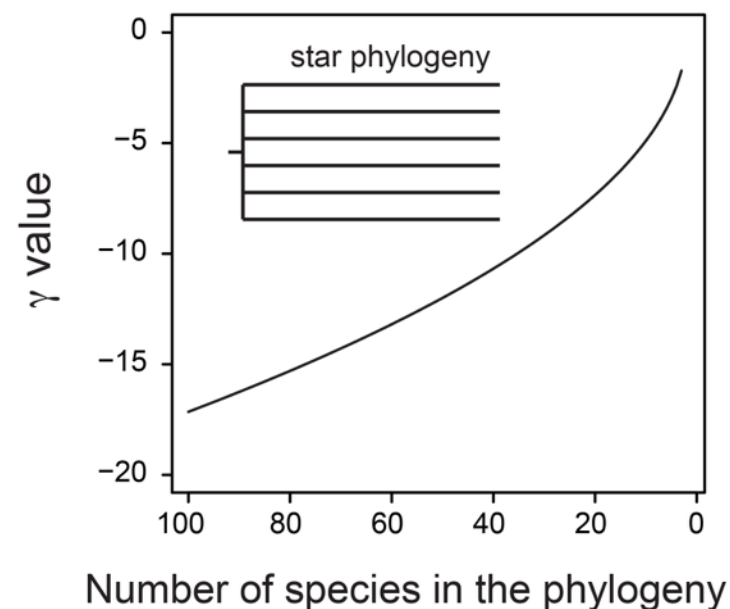
B Stasis after a fast diversification



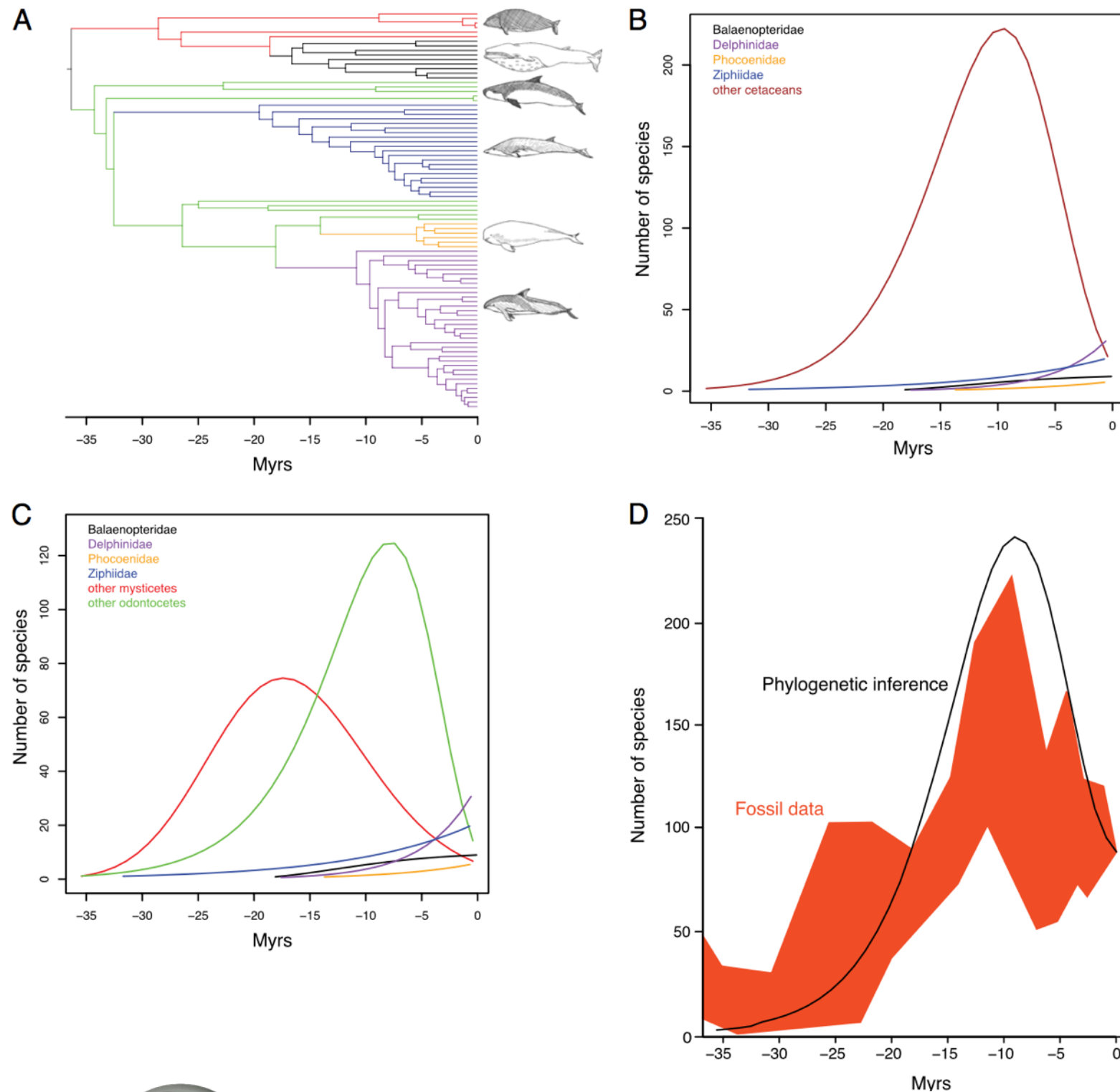
C Stasis after an abrupt diversification



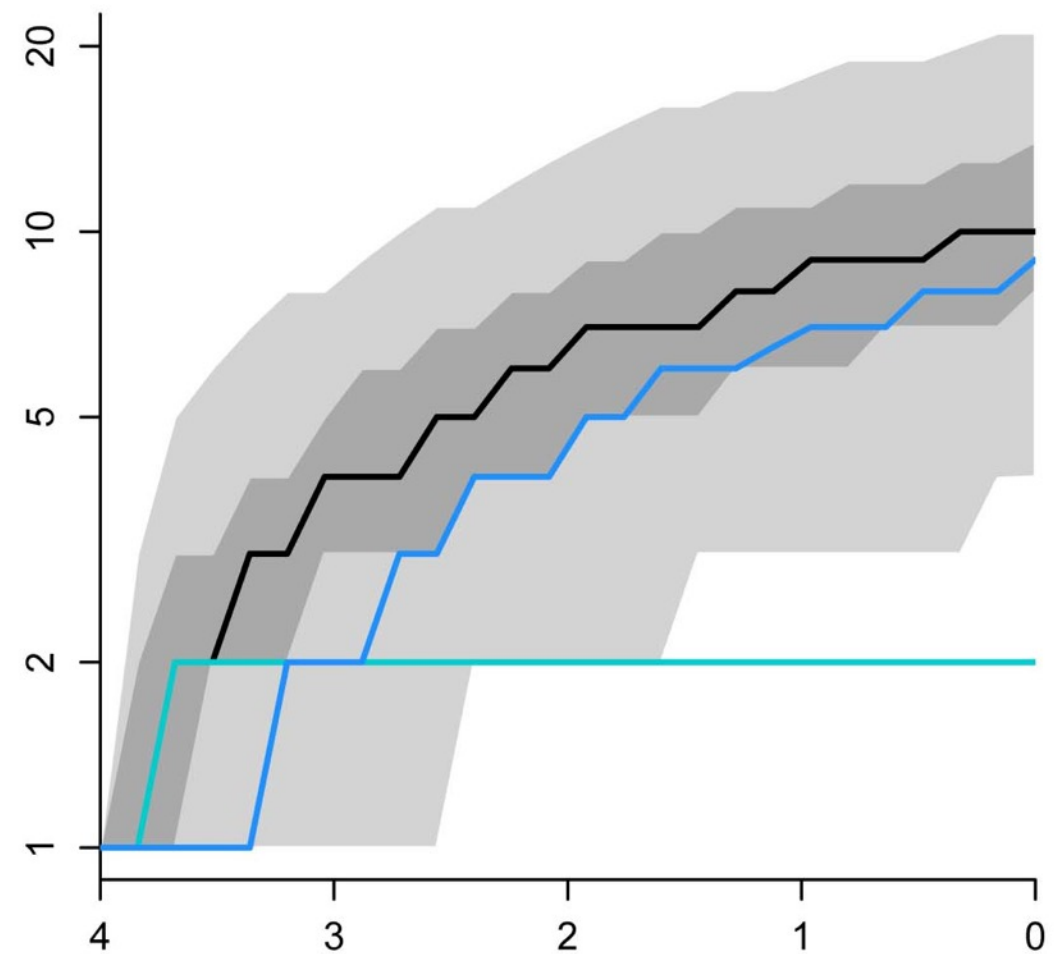
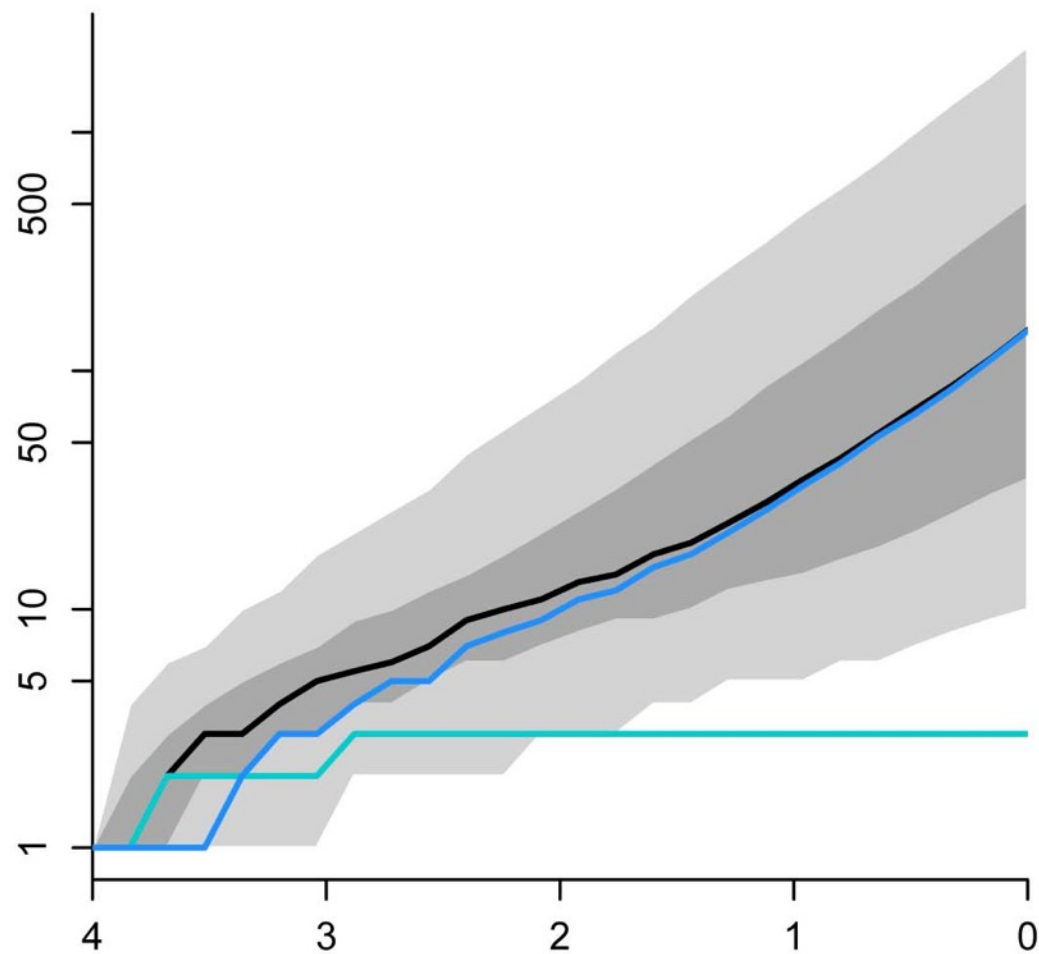
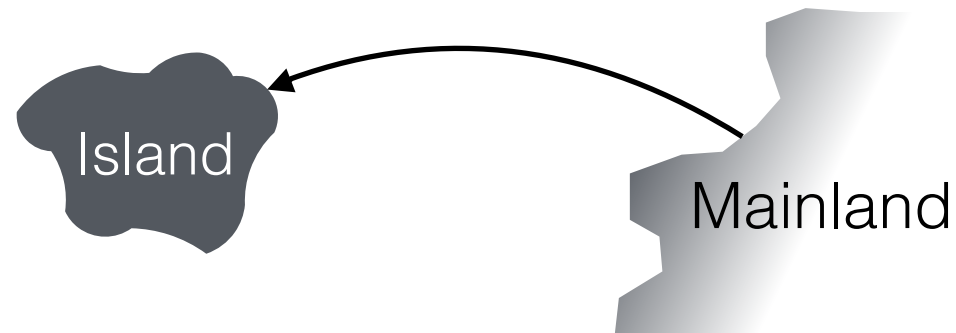
D Most negative γ value given a number of species

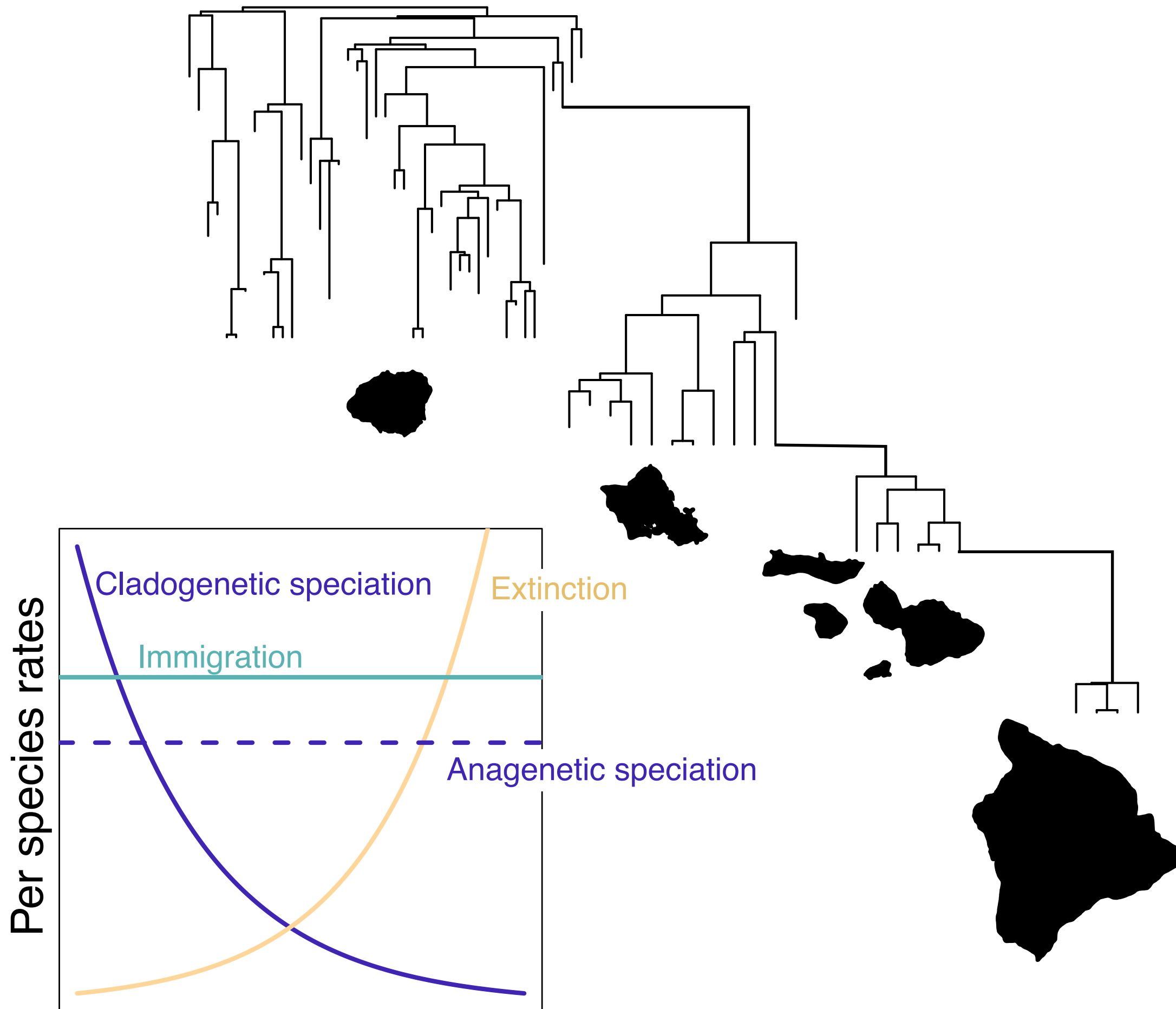


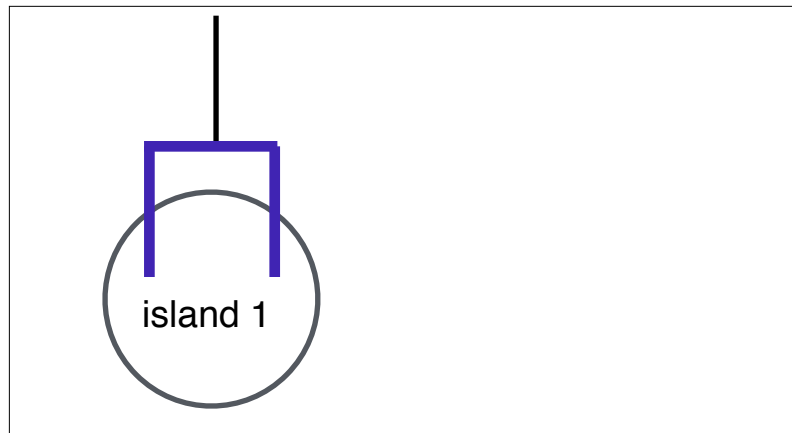
Yet there has been success



Yet there has been success

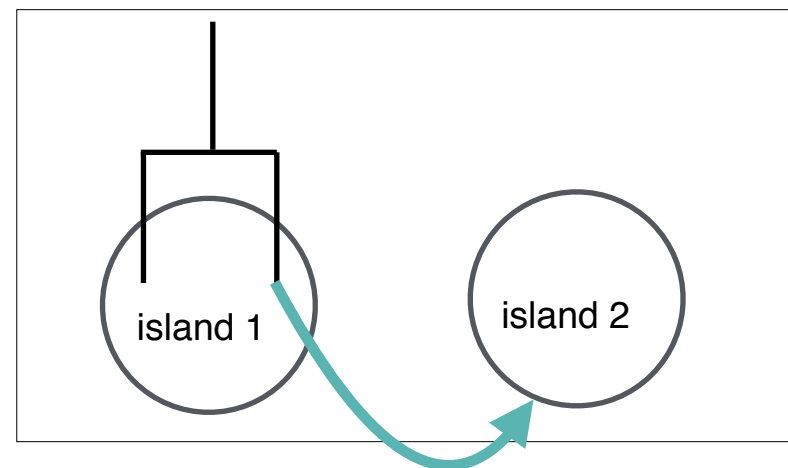






Cladogenetic speciation

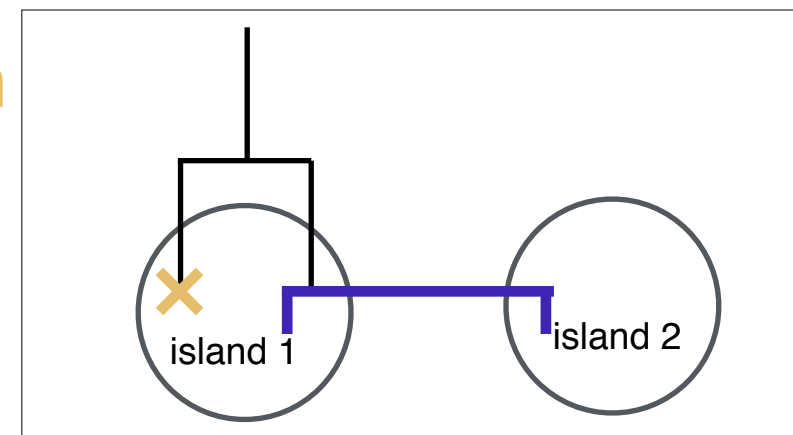
Island formation



Immigration

Extinction

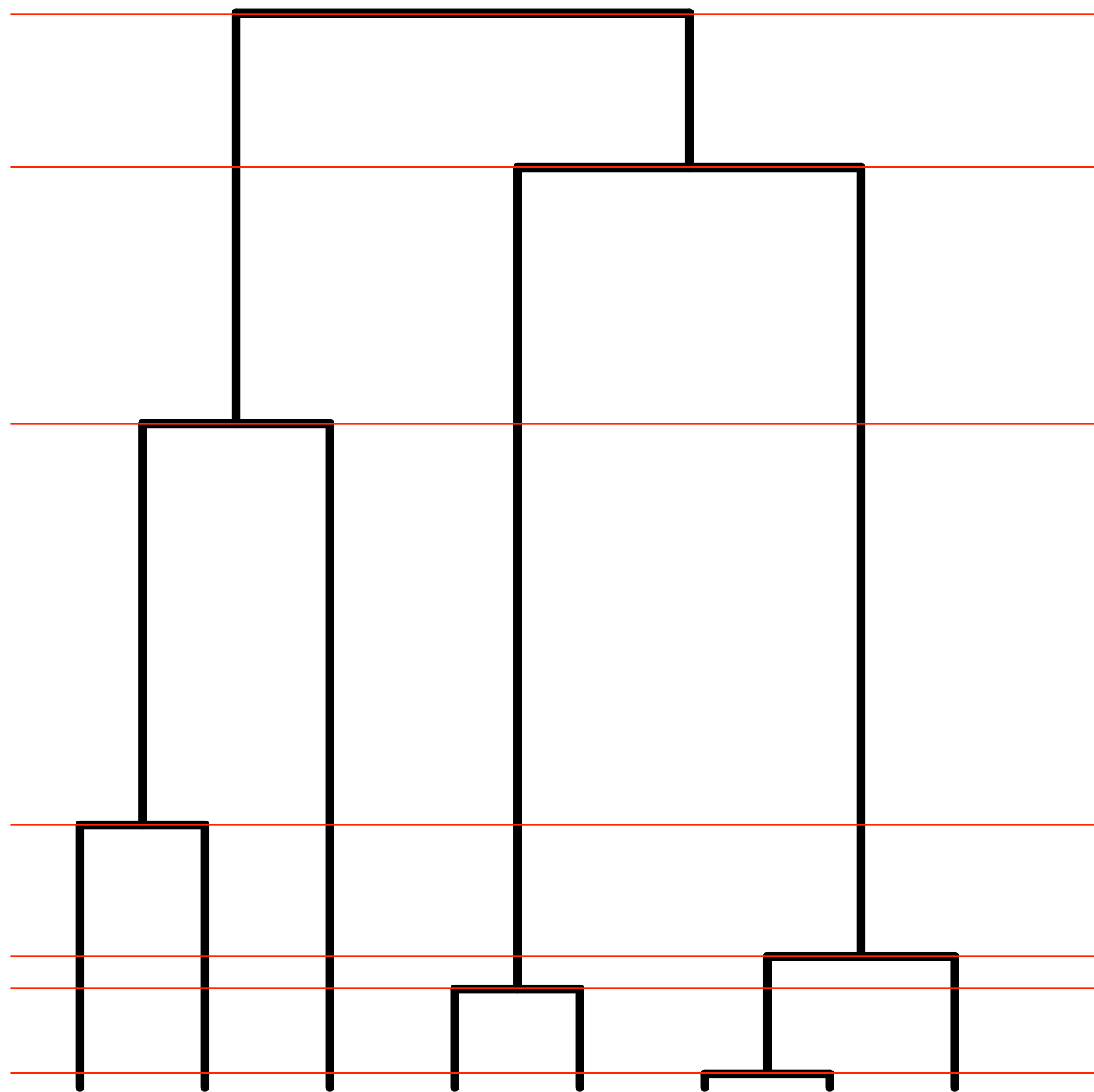
Anagenetic speciation
(between islands)



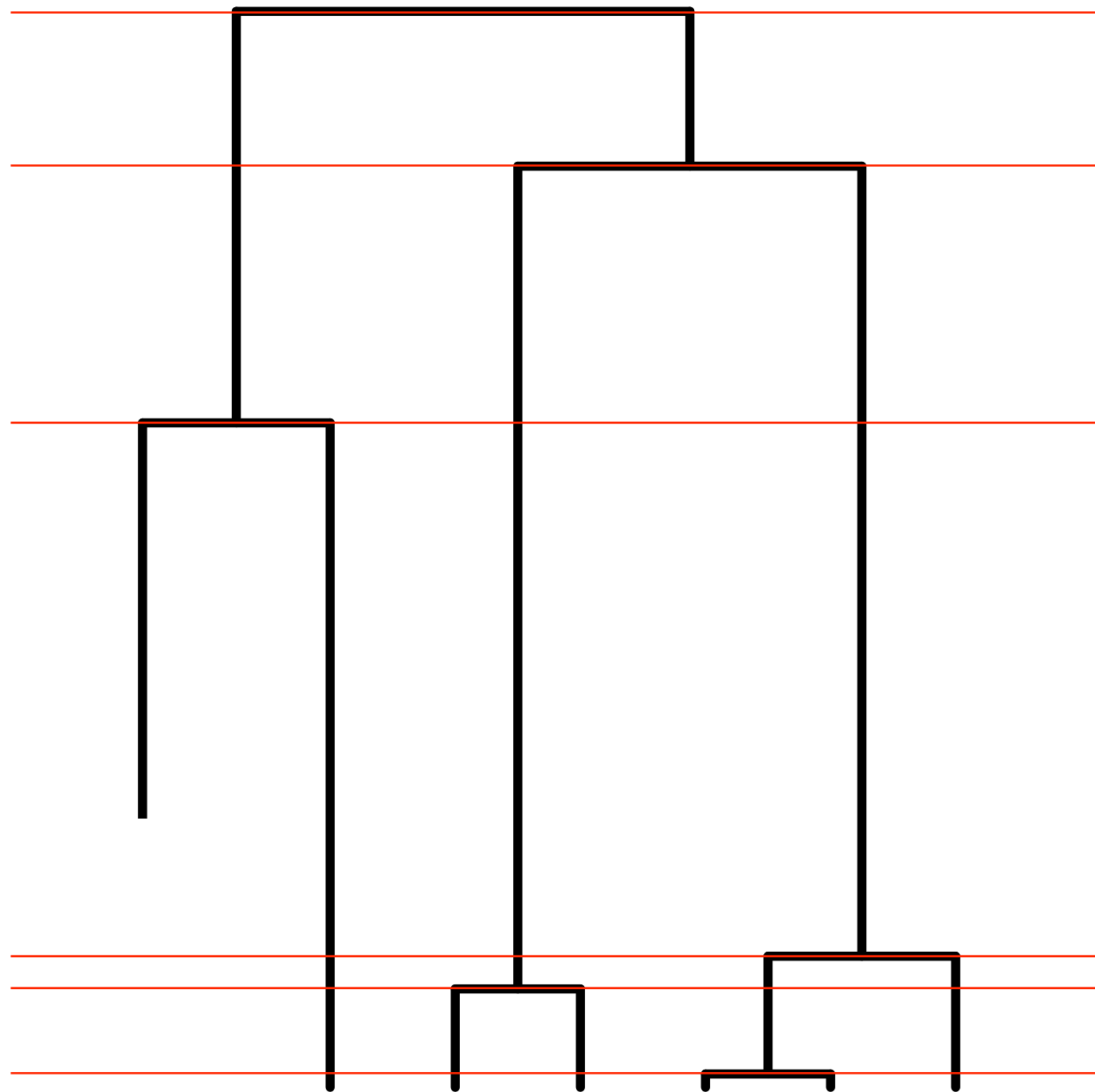
Time



Likelihood interlude

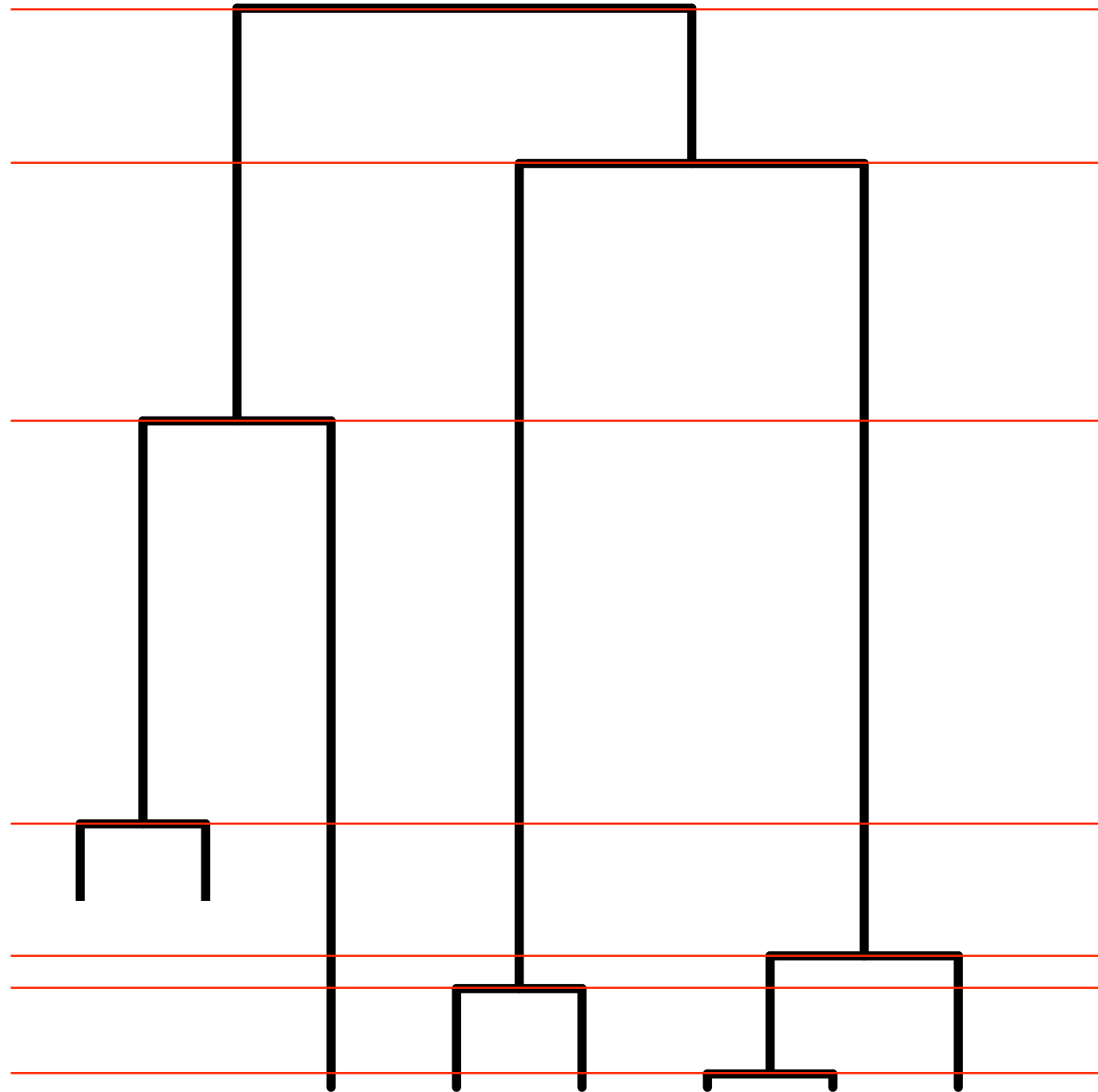


Likelihood interlude



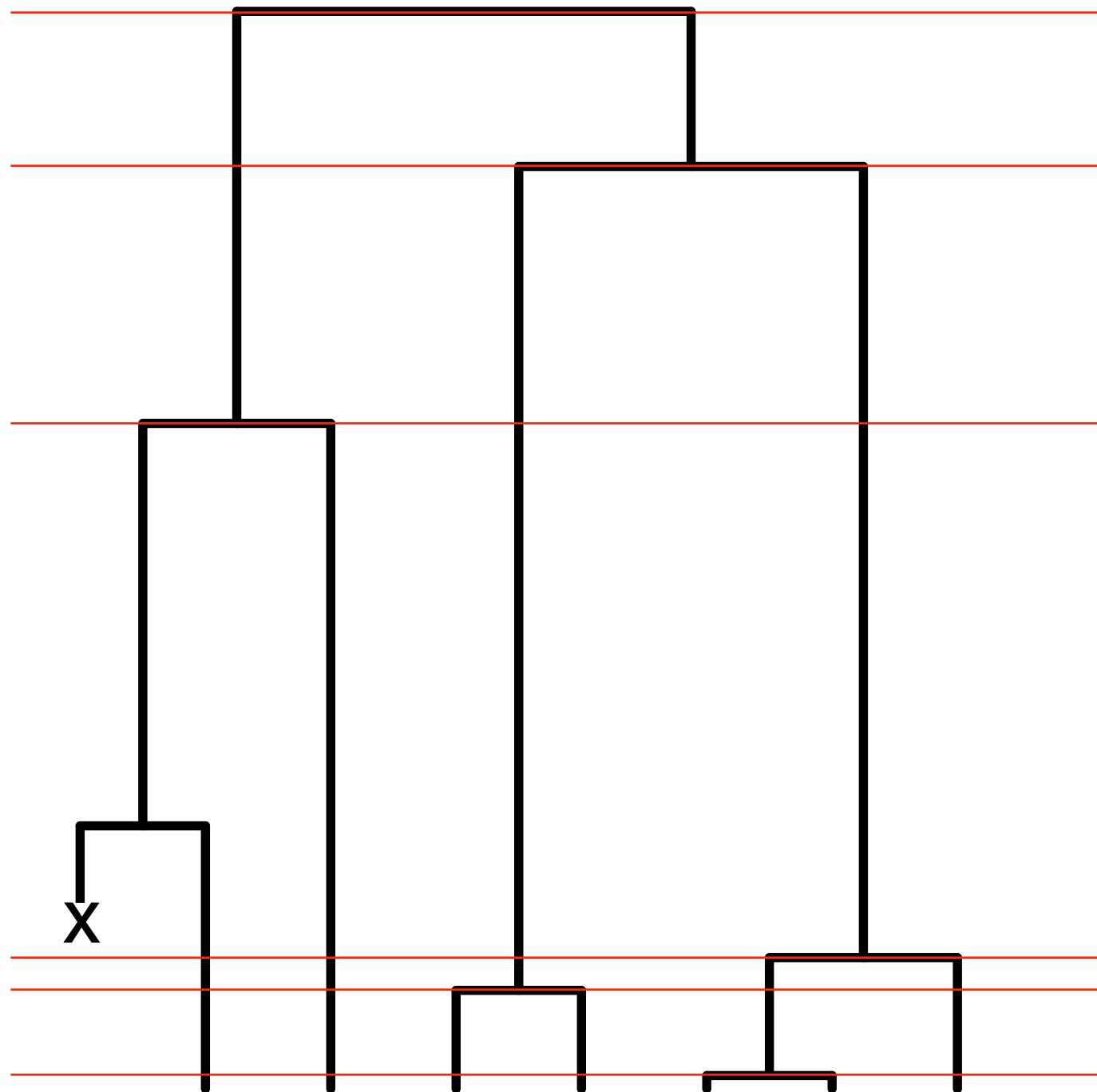
Likelihood interlude

Speciation



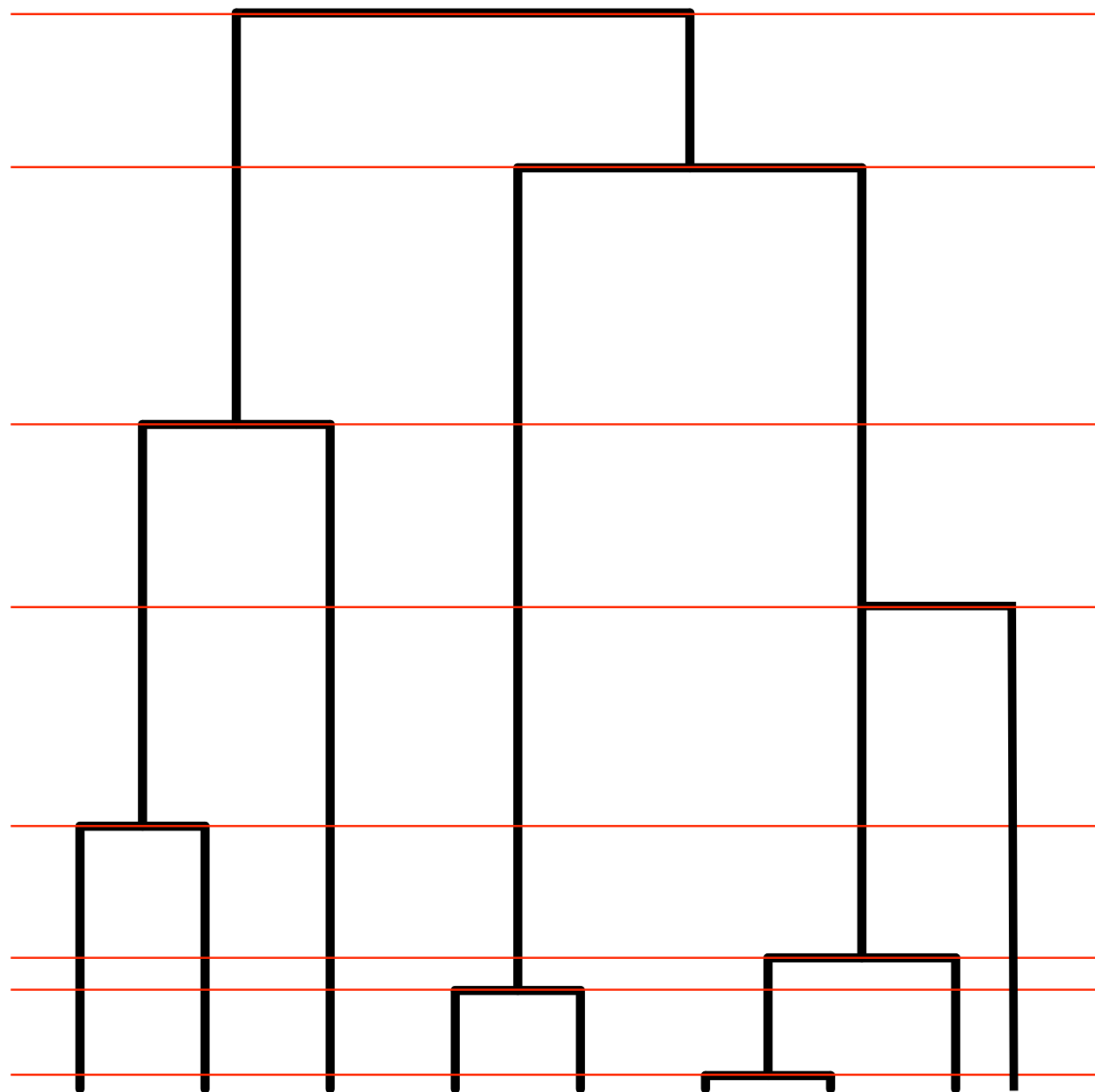
Likelihood interlude

Extinction

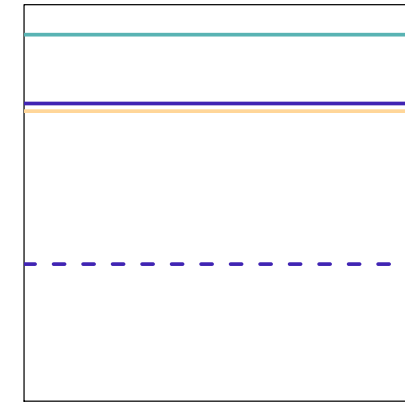
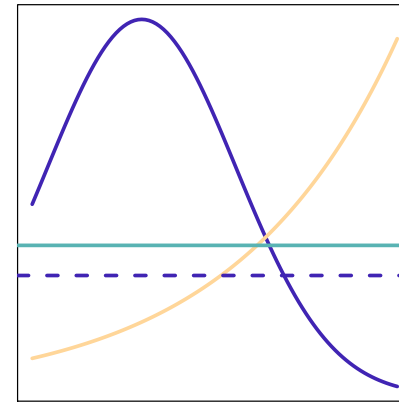
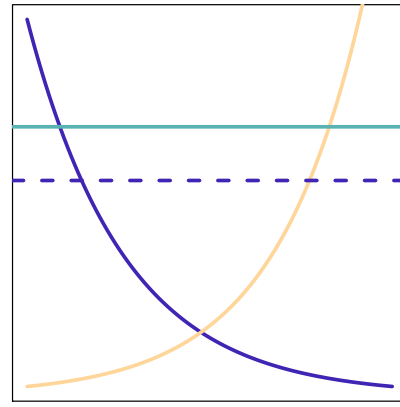
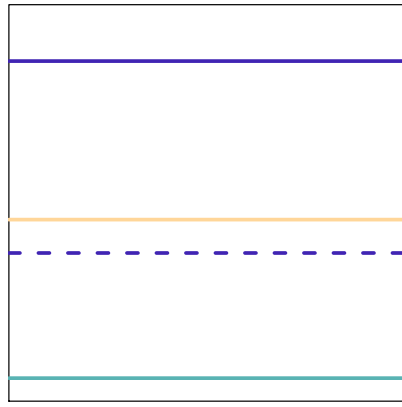


Likelihood interlude

Immigration

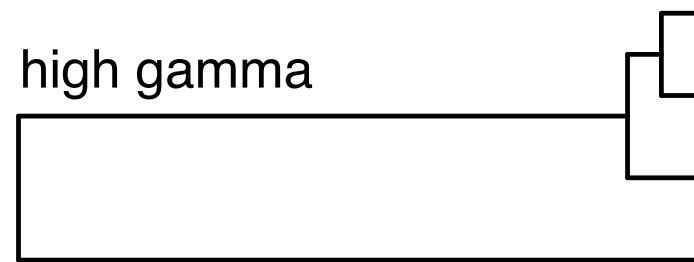


Per species rates

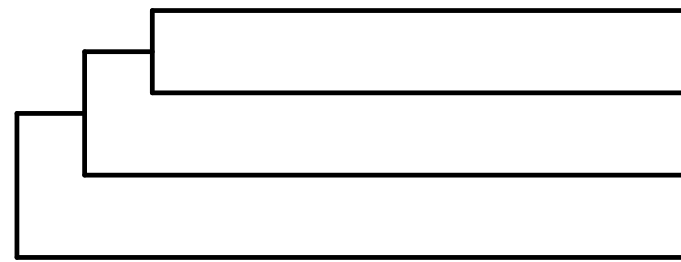


Immigration
Cladogenetic
speciation
Extinction
Anagenetic
speciation

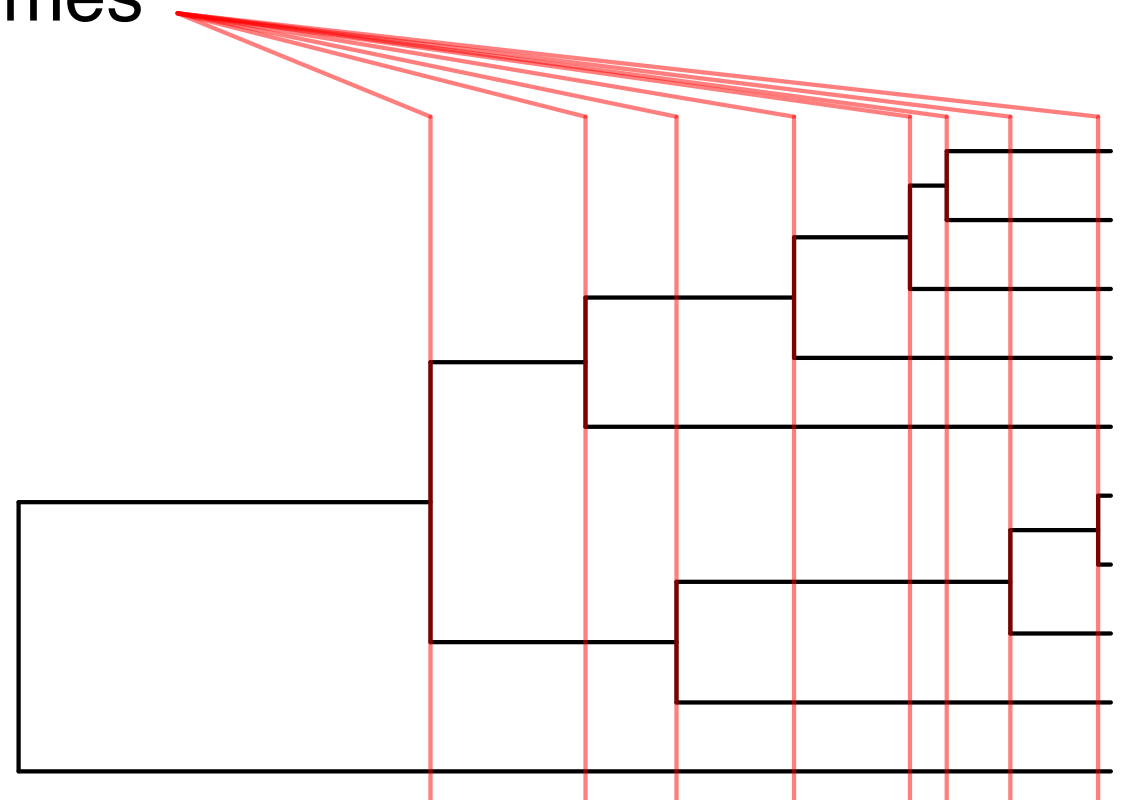
Gamma statistic

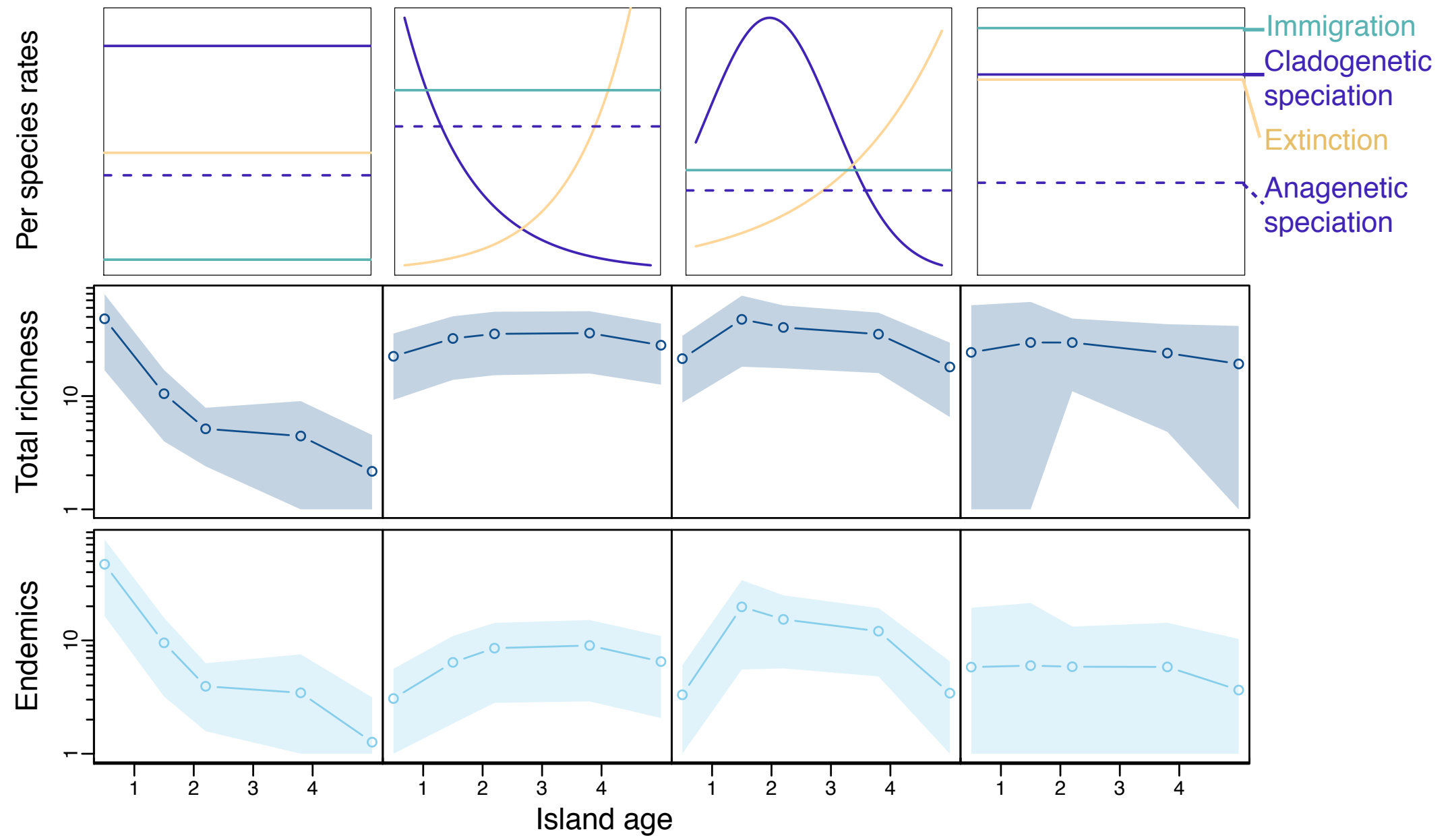


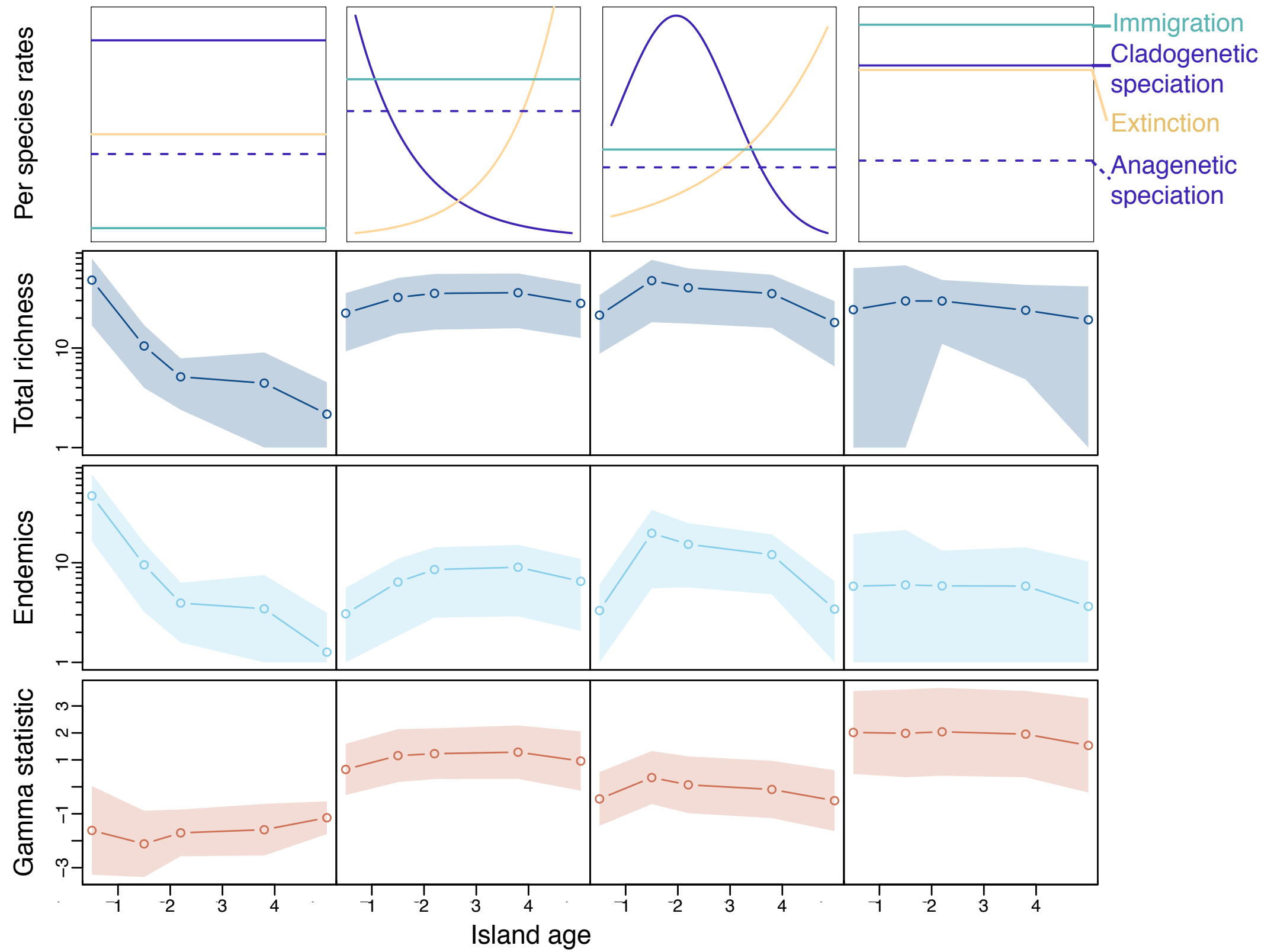
low gamma

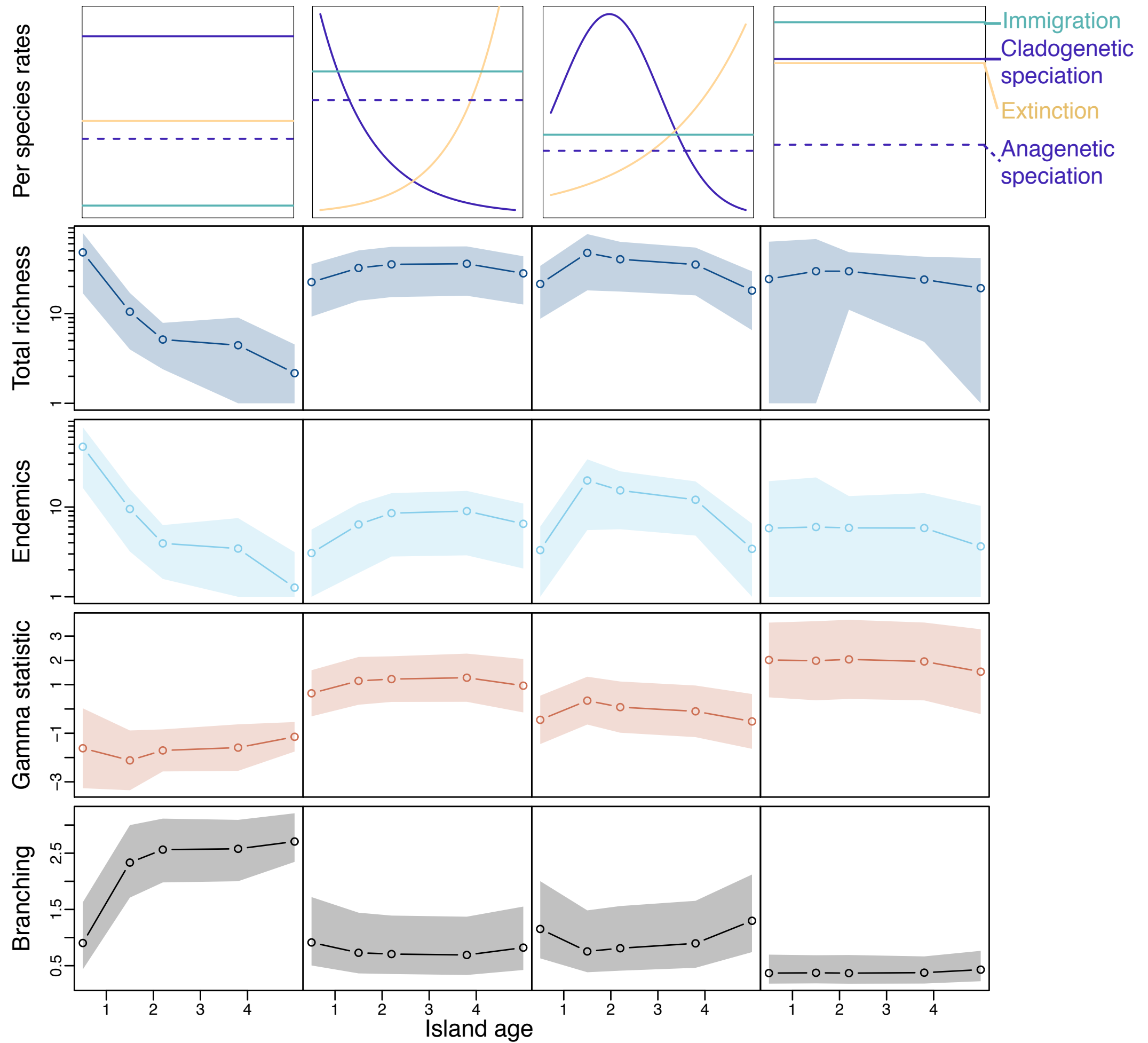


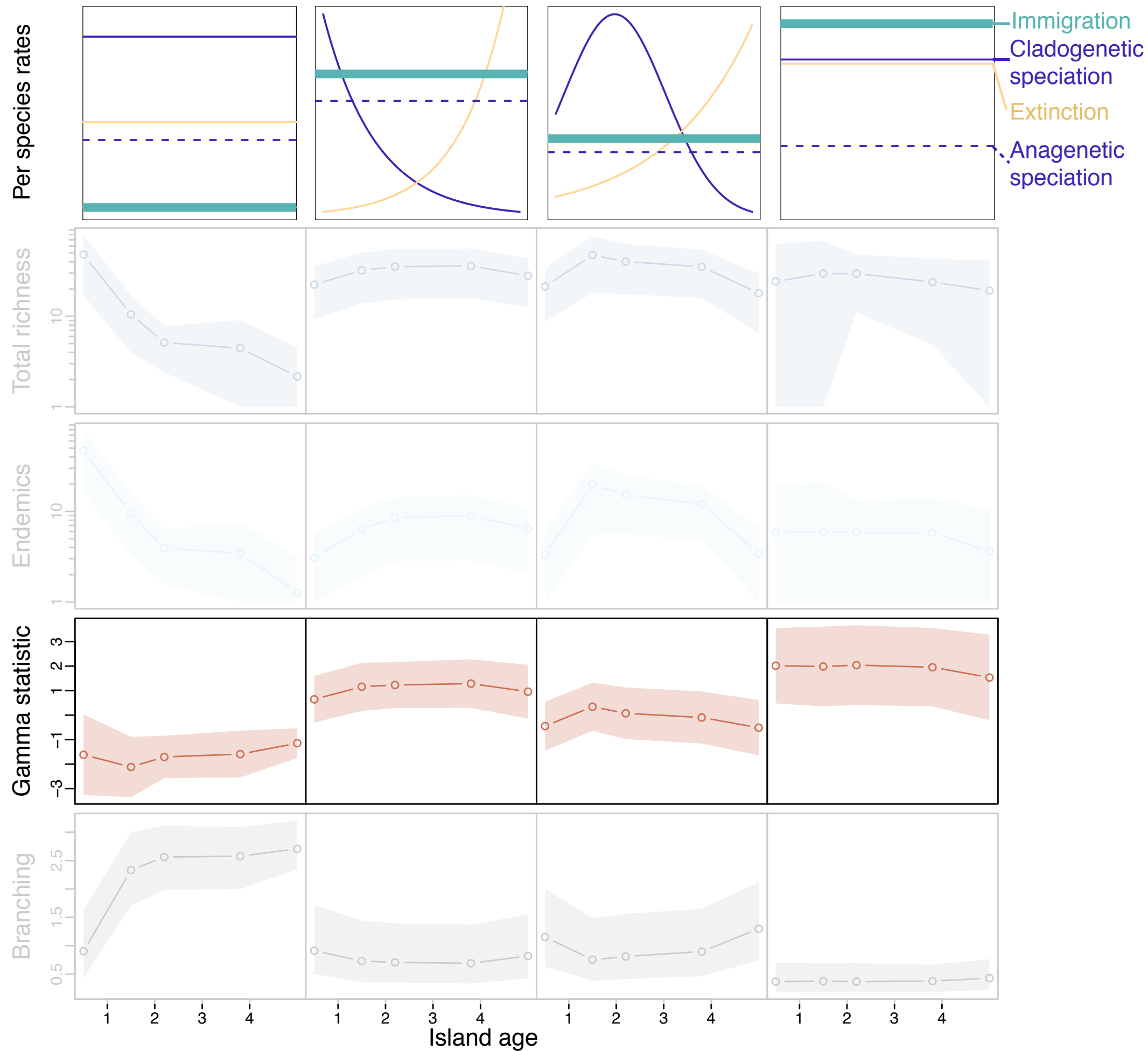
Branching times

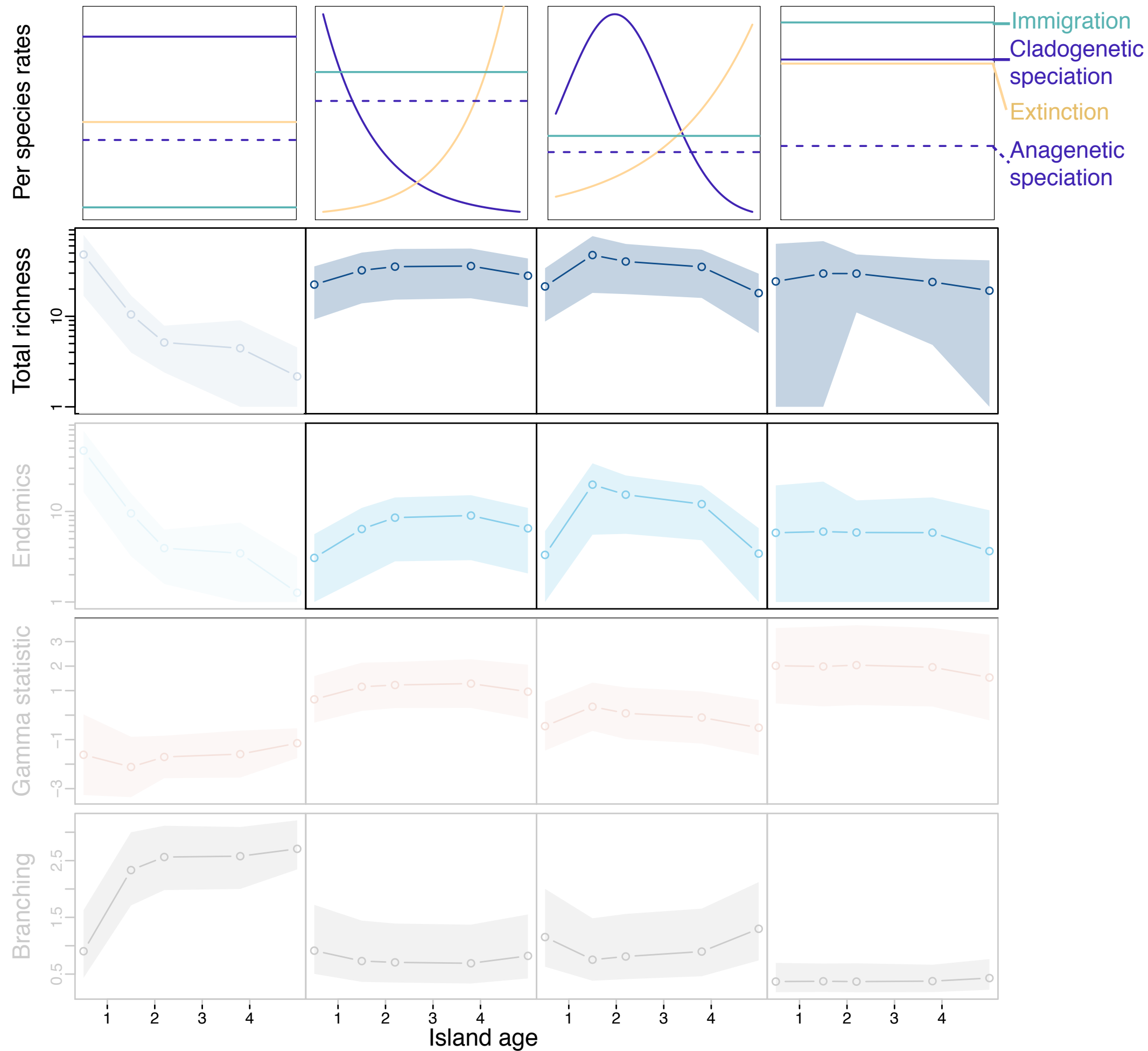


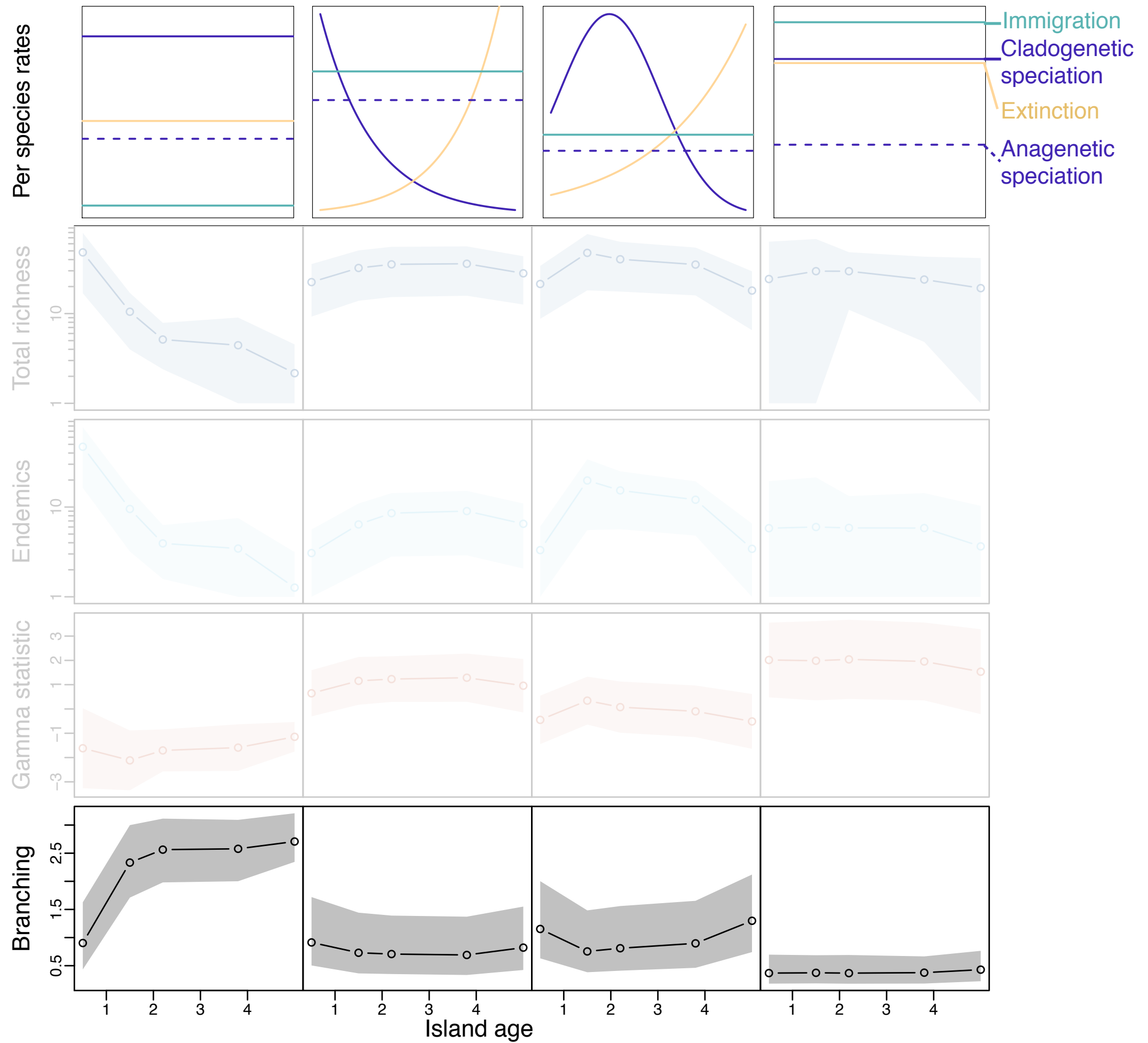




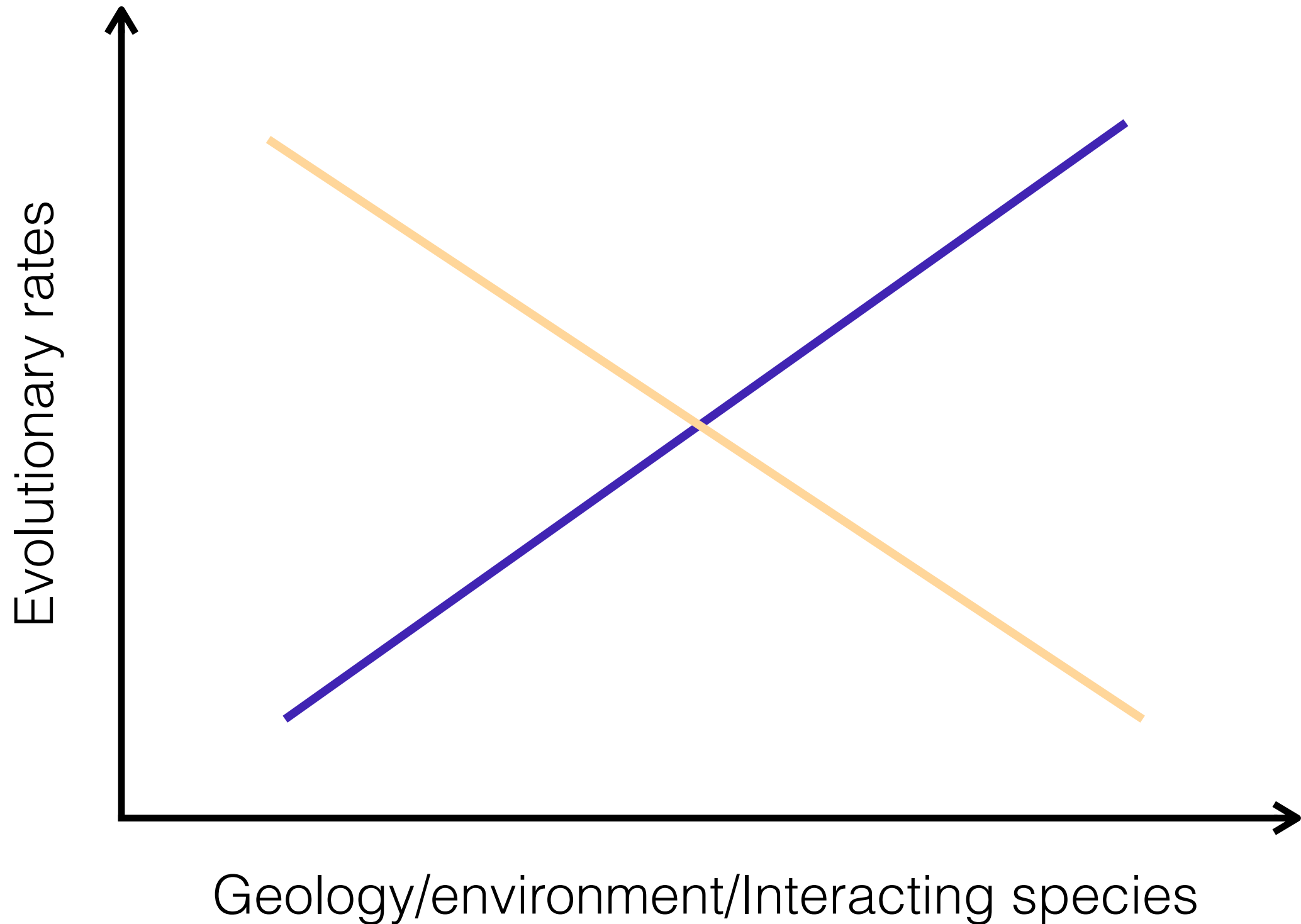








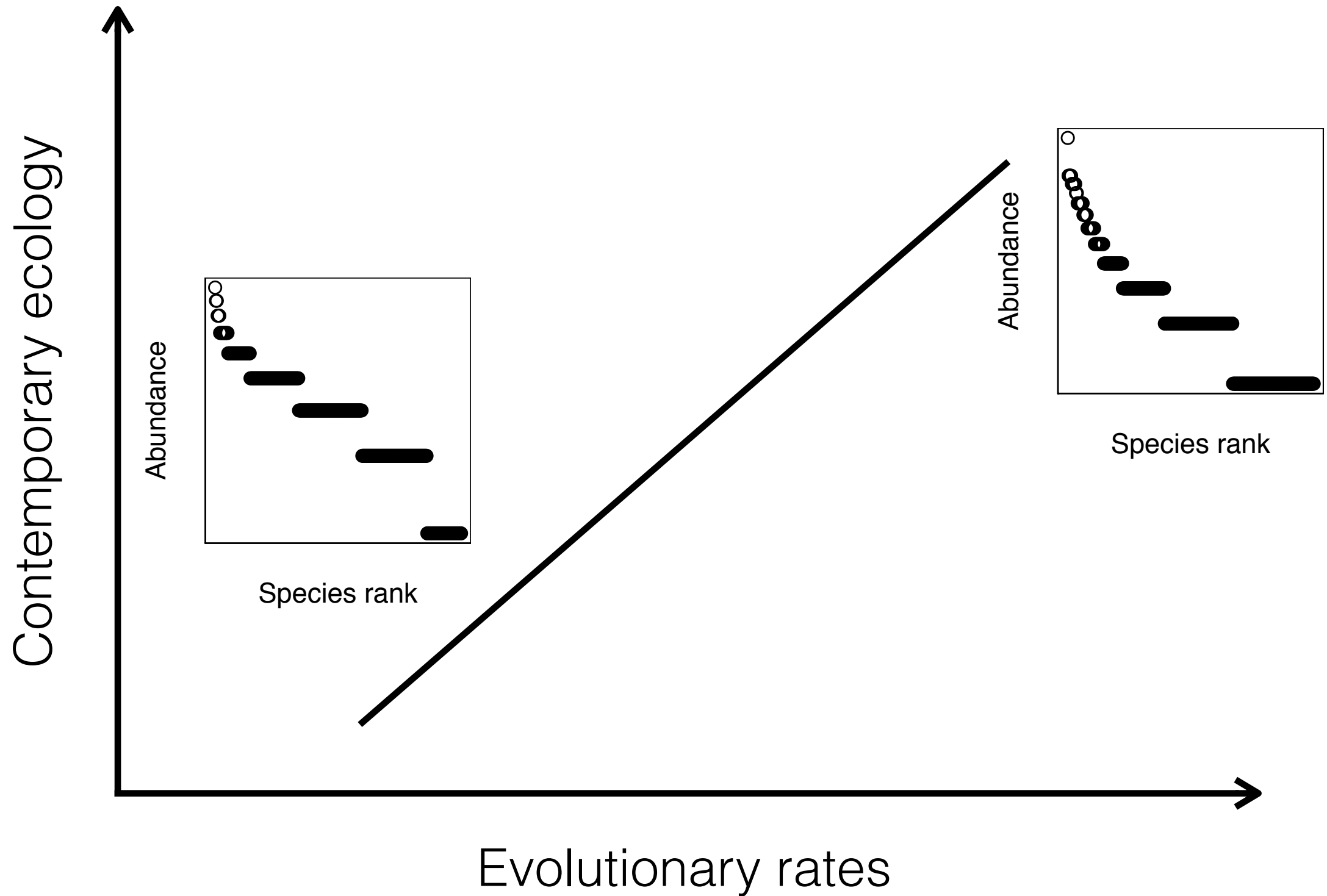
Do cool things



Do cool things



Do cool things





Thanks!

Discussion:
Rosie Gillespie, John Harte,
Hélène Morlon, Dan Rabosky

Funding:
NSF Graduate Research Fellowship,
NSF Dimensions in Biodiversity