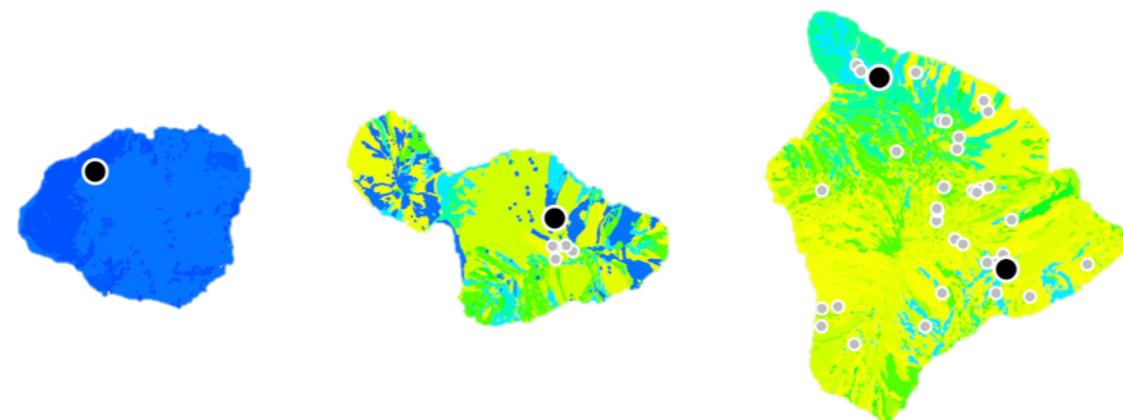
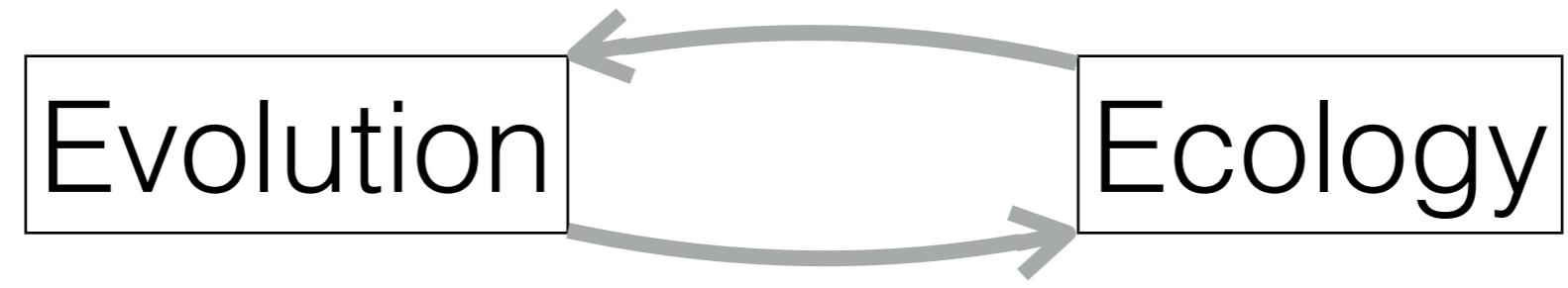


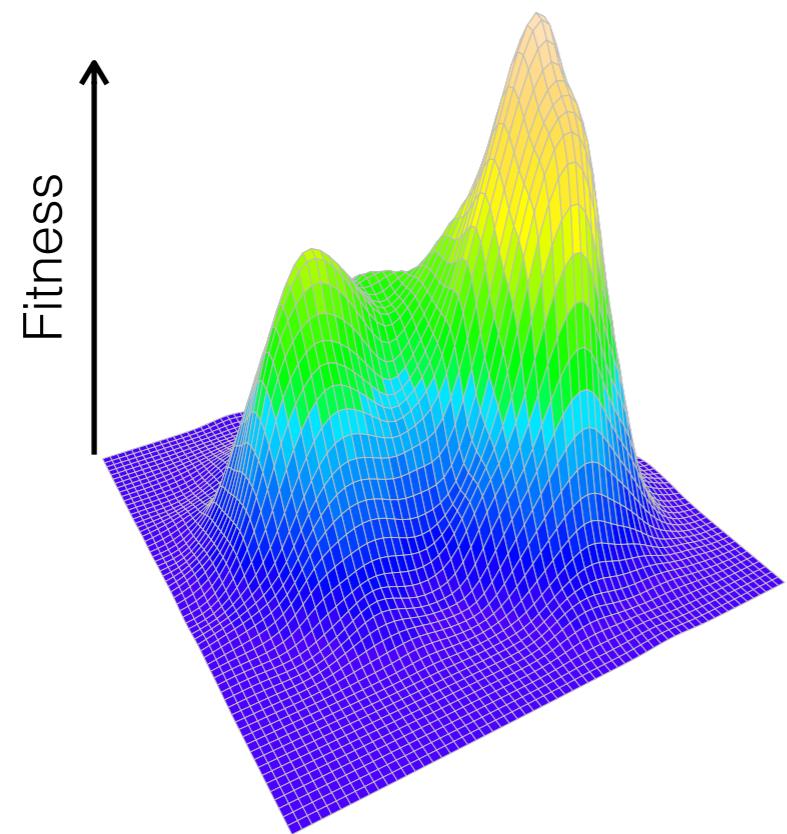
Community assembly on isolated islands: Macroecology meets evolution



A. J. Rominger, K. R. Goodman, J. Y. Lim, F. S. Valdovinos, E. Armstrong, G. M Bennett, M. S. Brewer, D. D. Cotoras, C. P. Ewing, J. Harte, N. Martinez, P. O'Grady, D. Percy, D. Price, G. K. Roderick, K. Shaw, D. S. Gruner, R. G. Gillespie

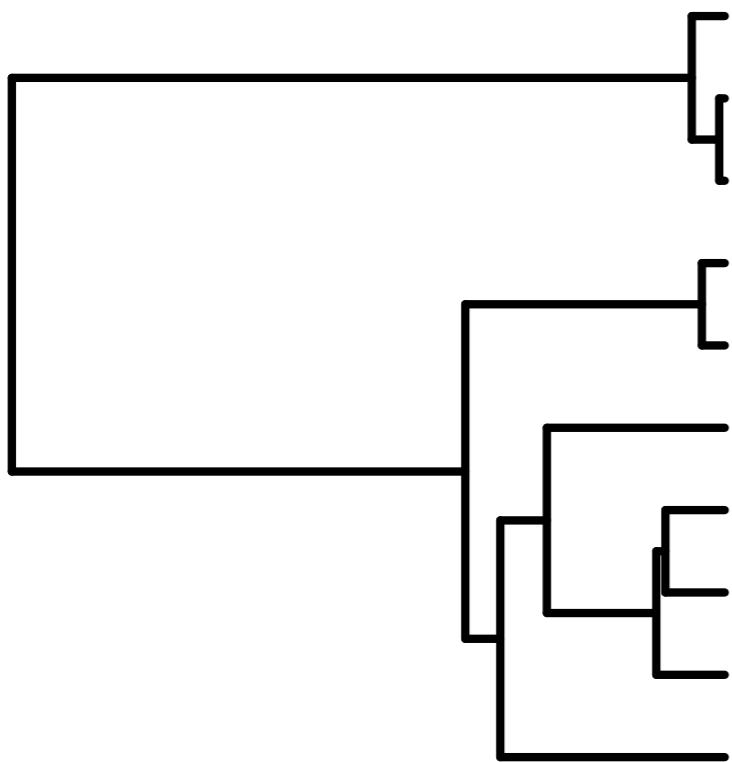


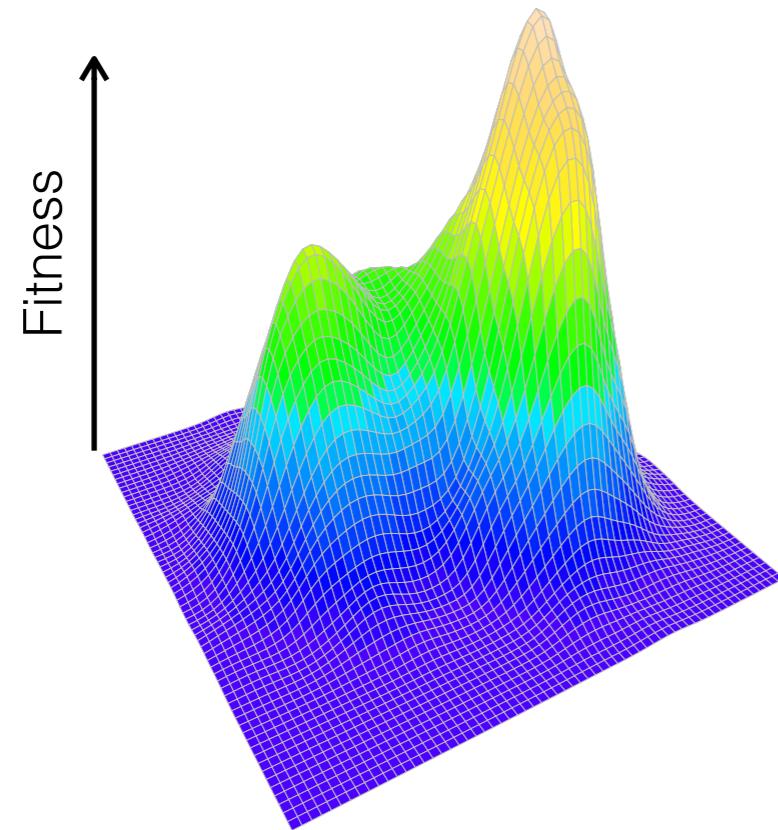




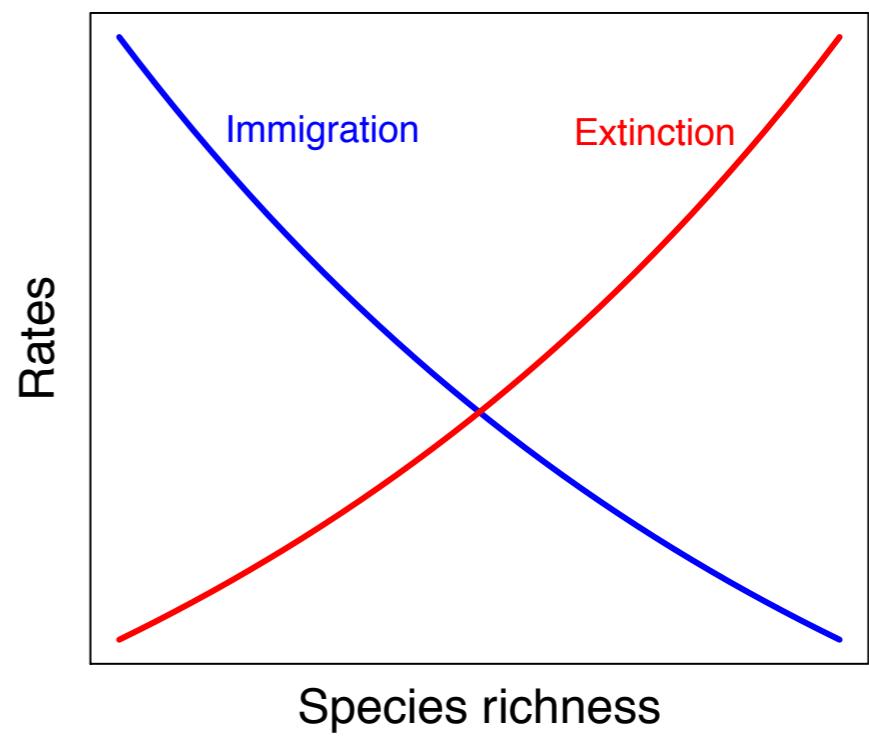
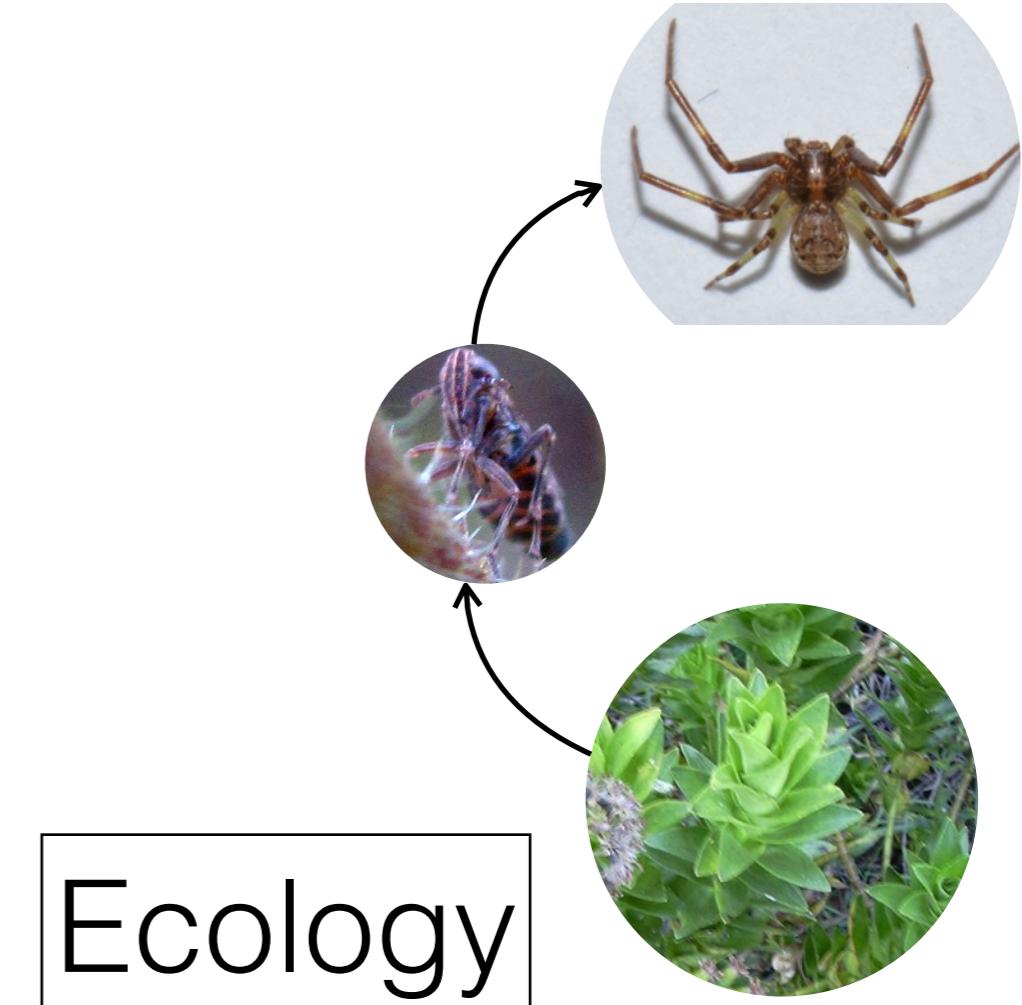
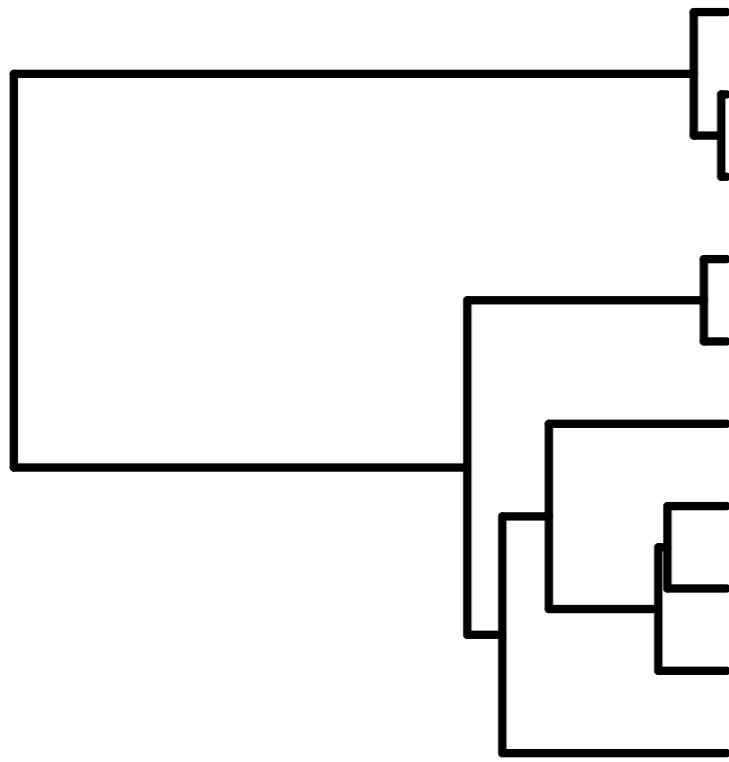
Evolution

Ecology

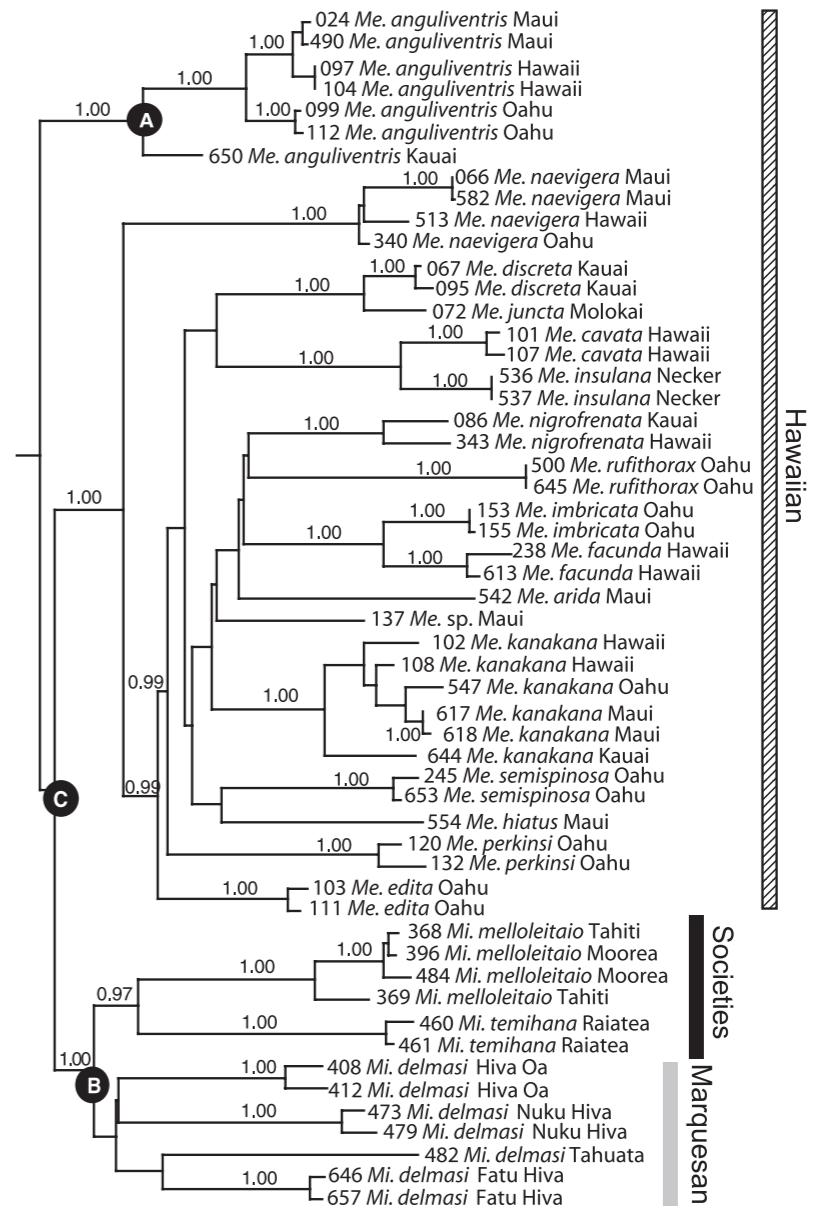


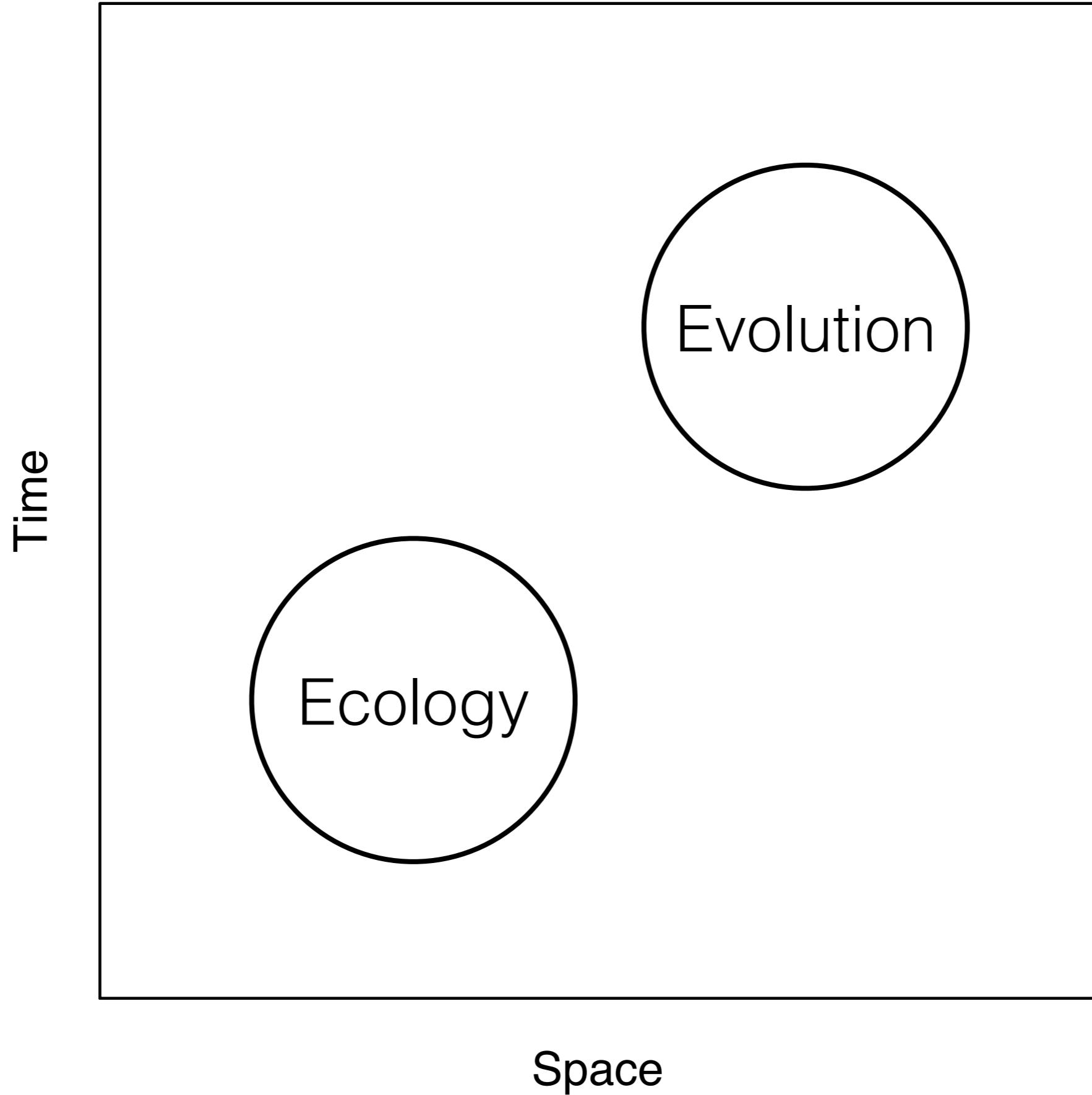


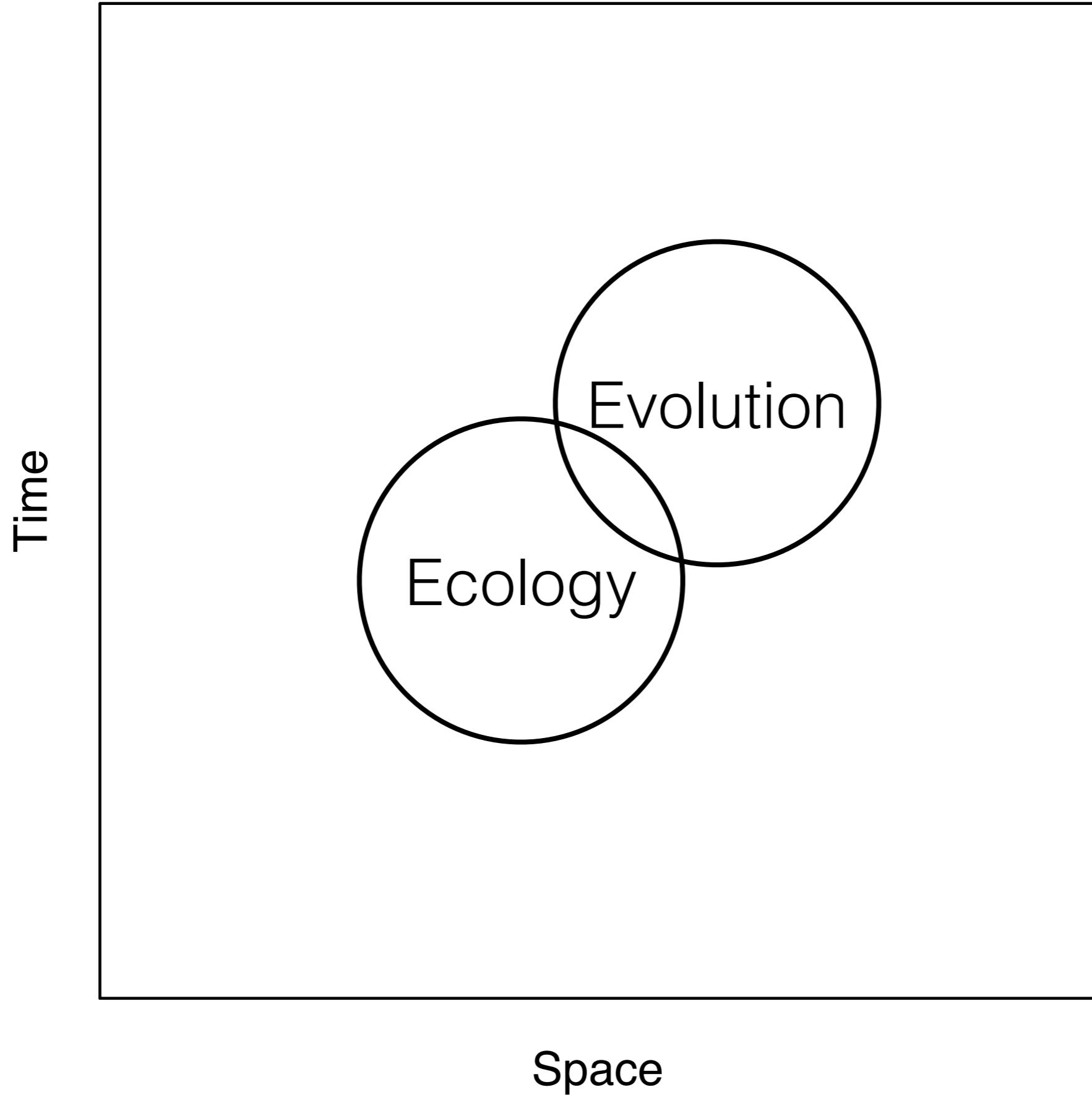
Evolution



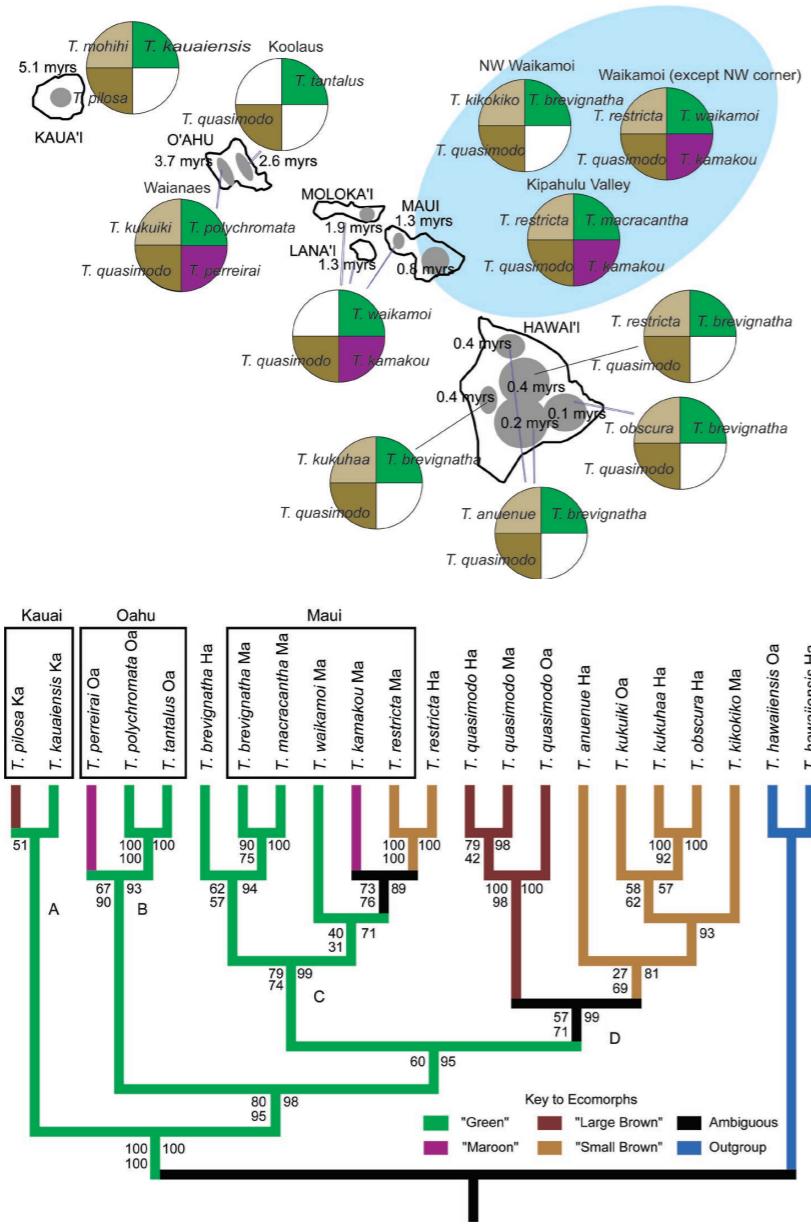
Eco|ogical assembly



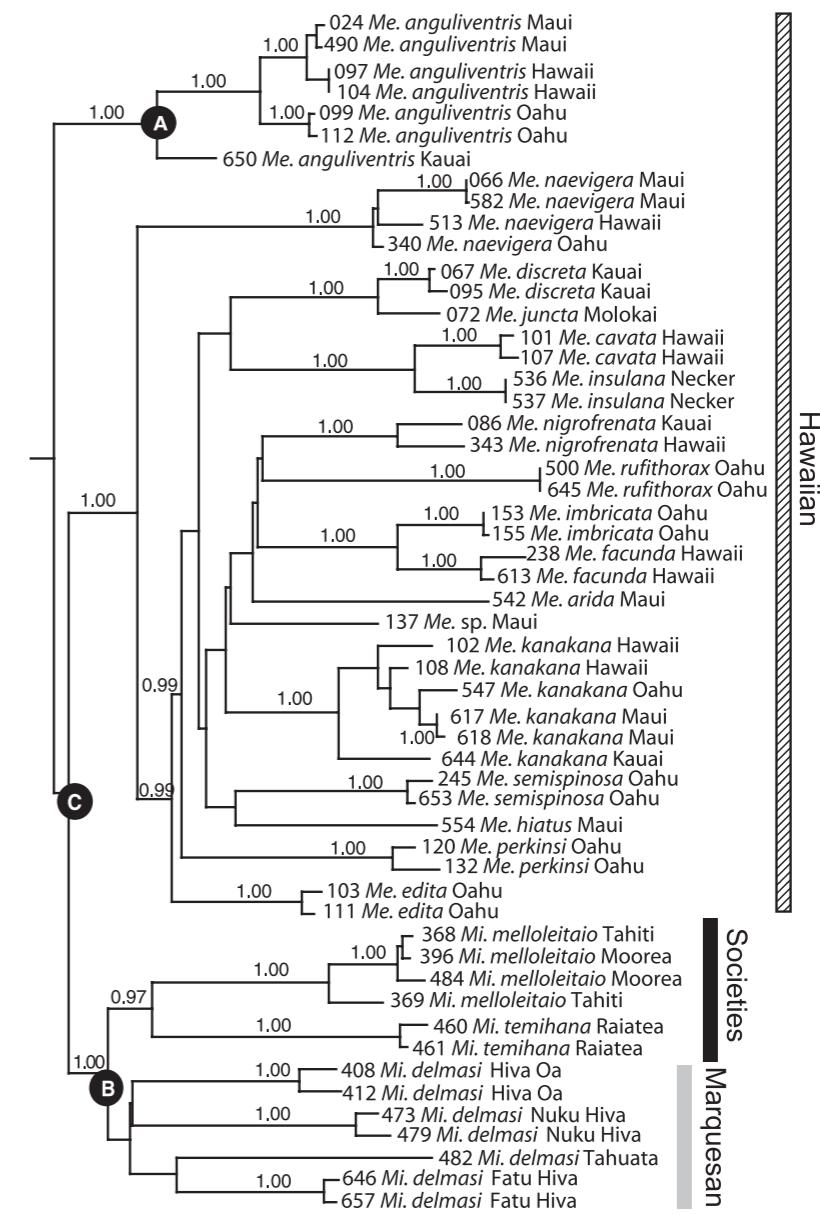


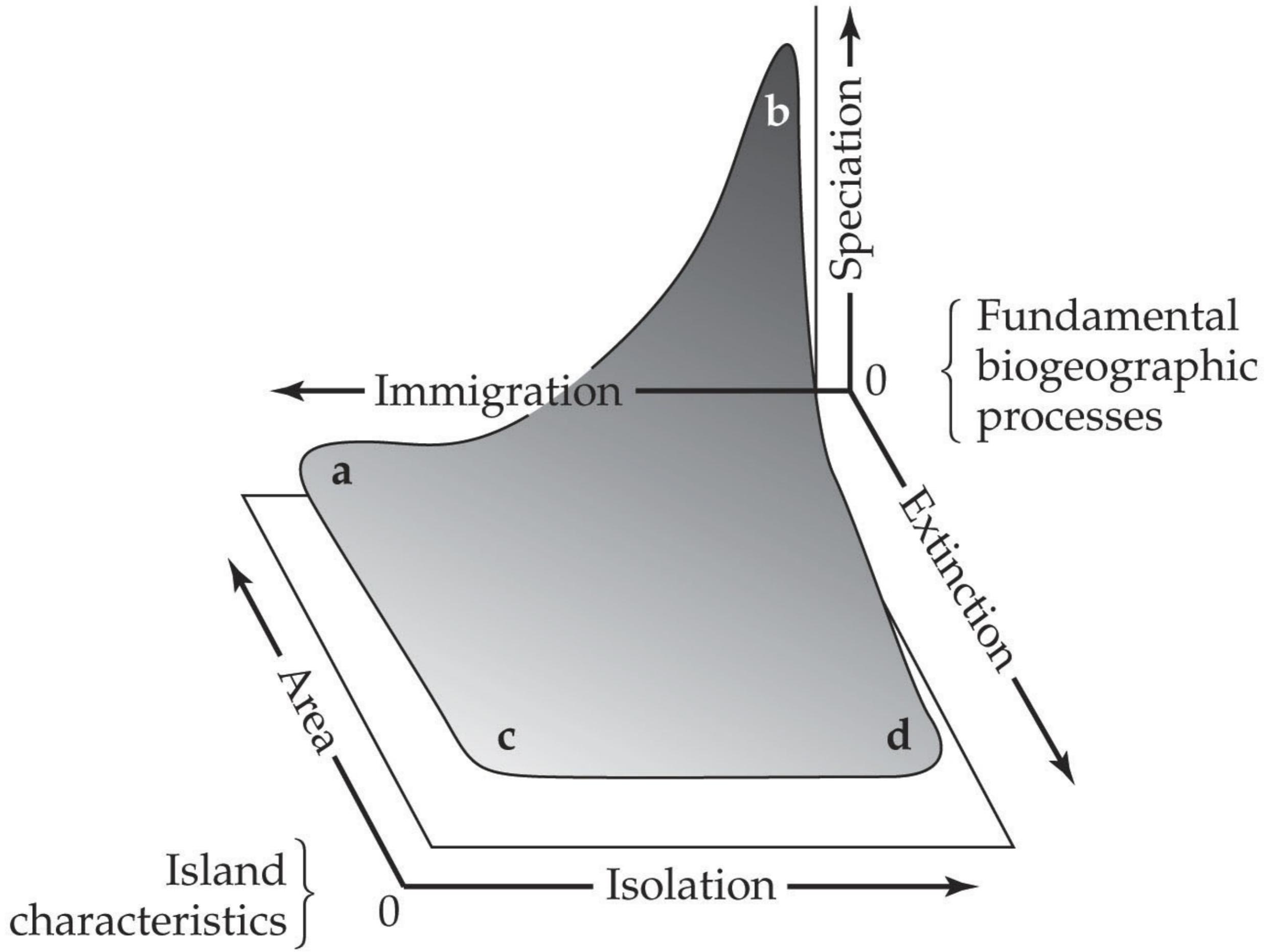


Evolutionary assembly

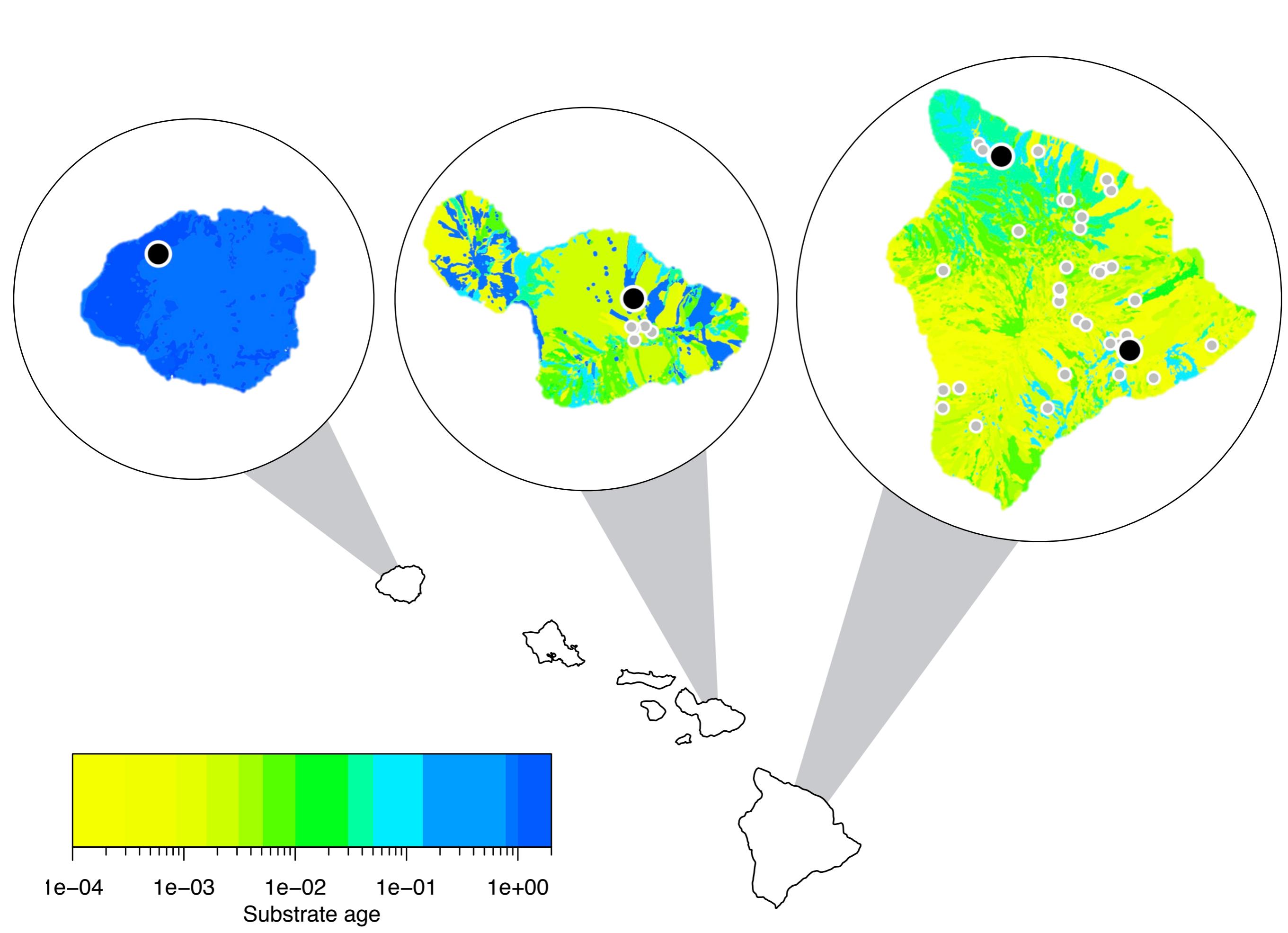


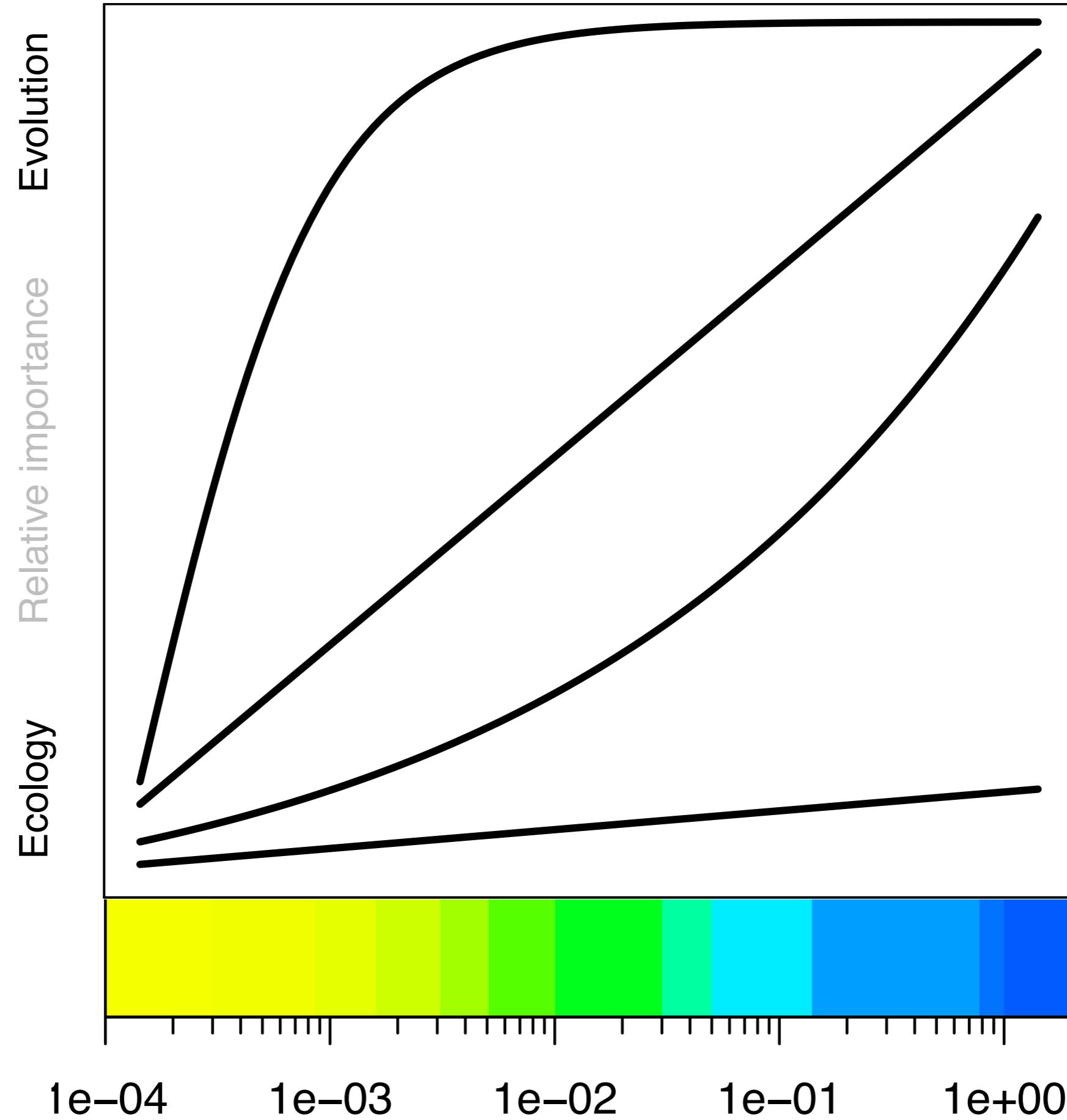
Ecological assembly

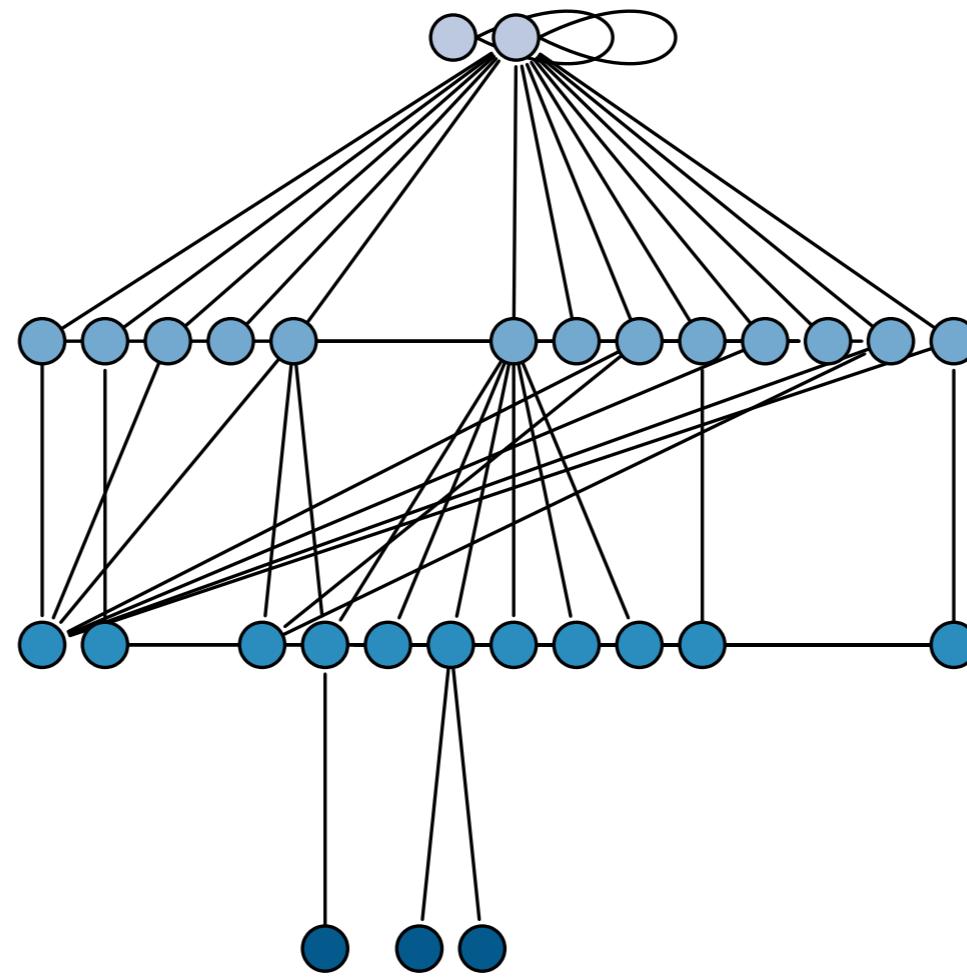












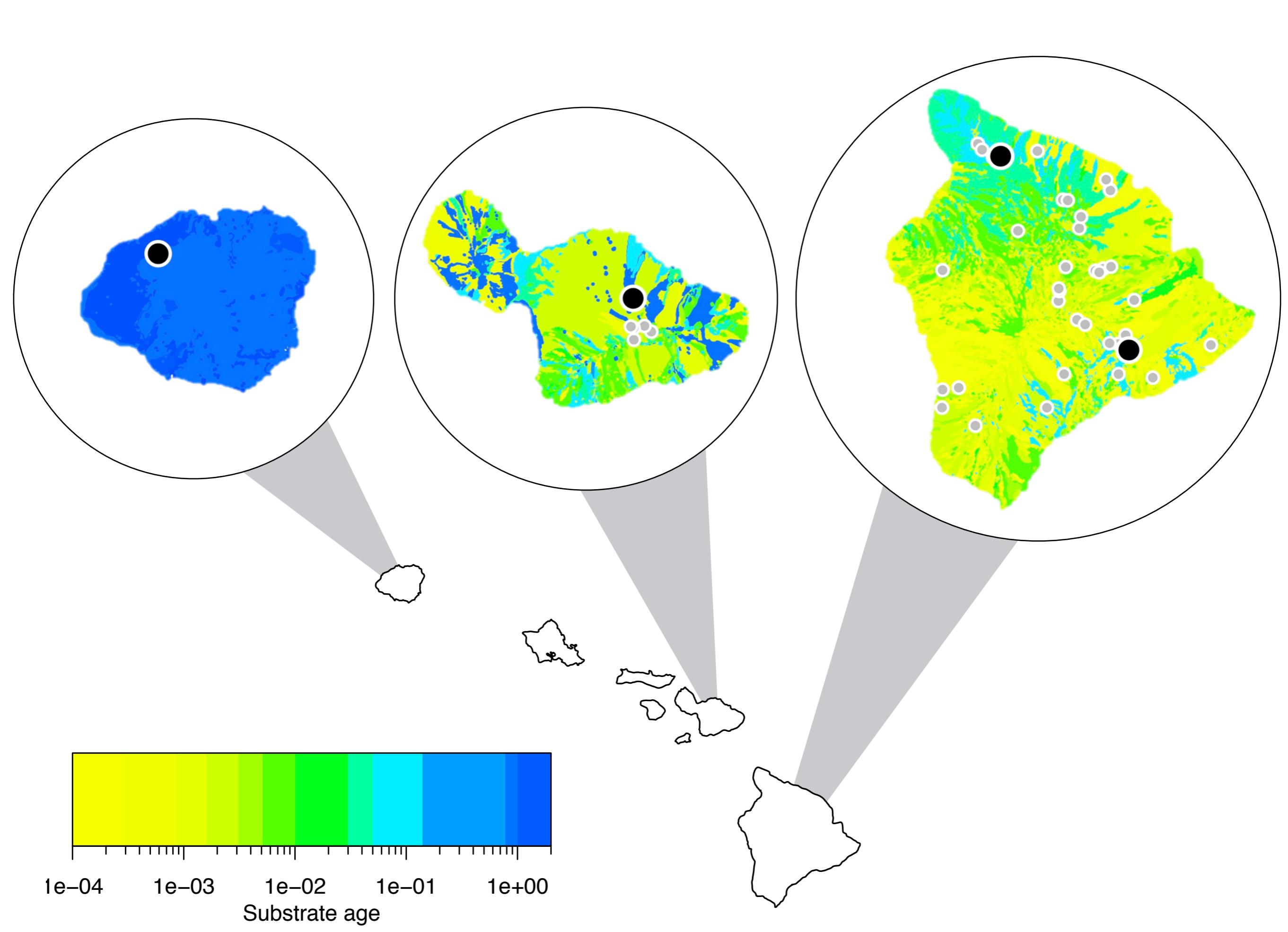


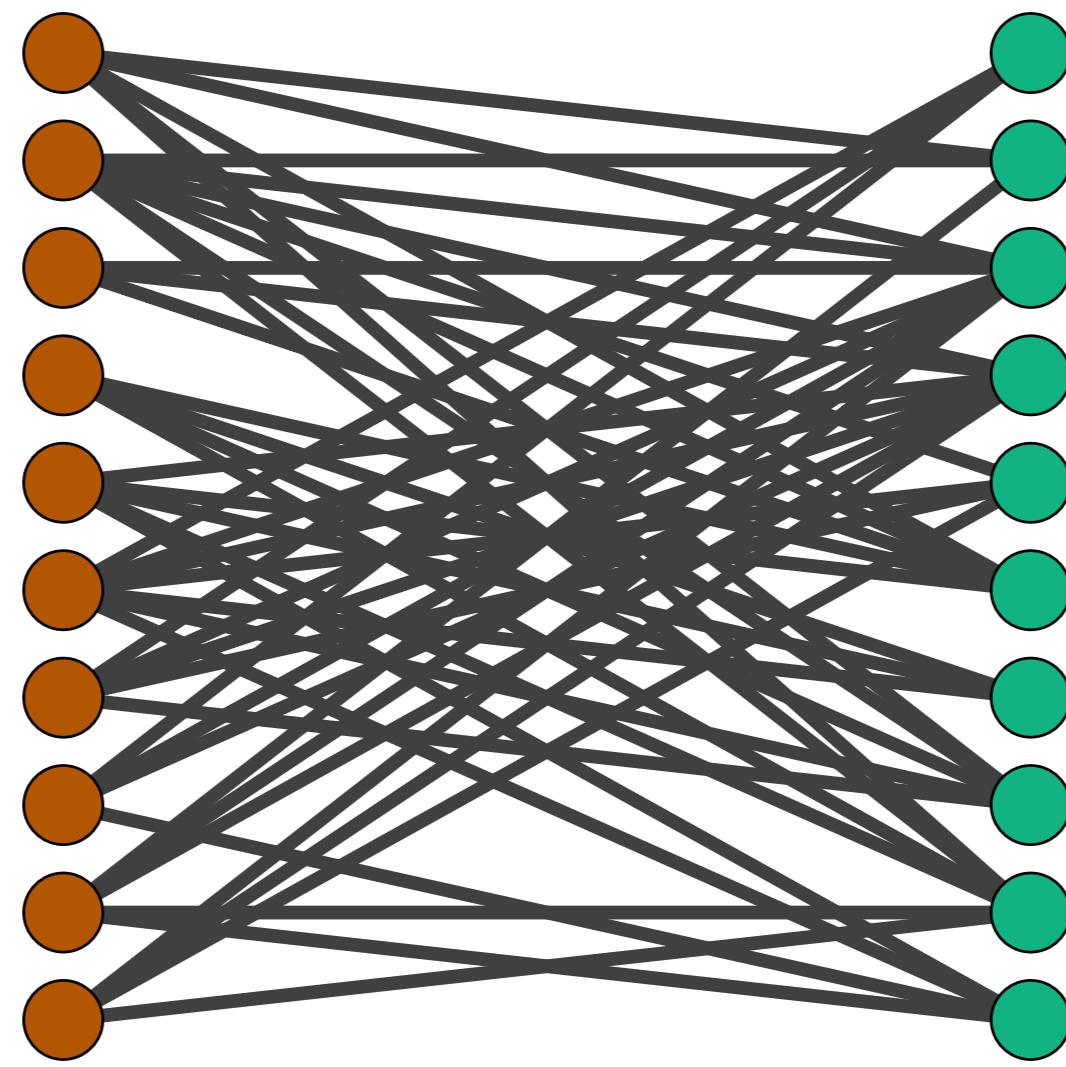


species accounts



Price, J.P. (2012)
Mapping plant species
ranges in the Hawaiian
Islands



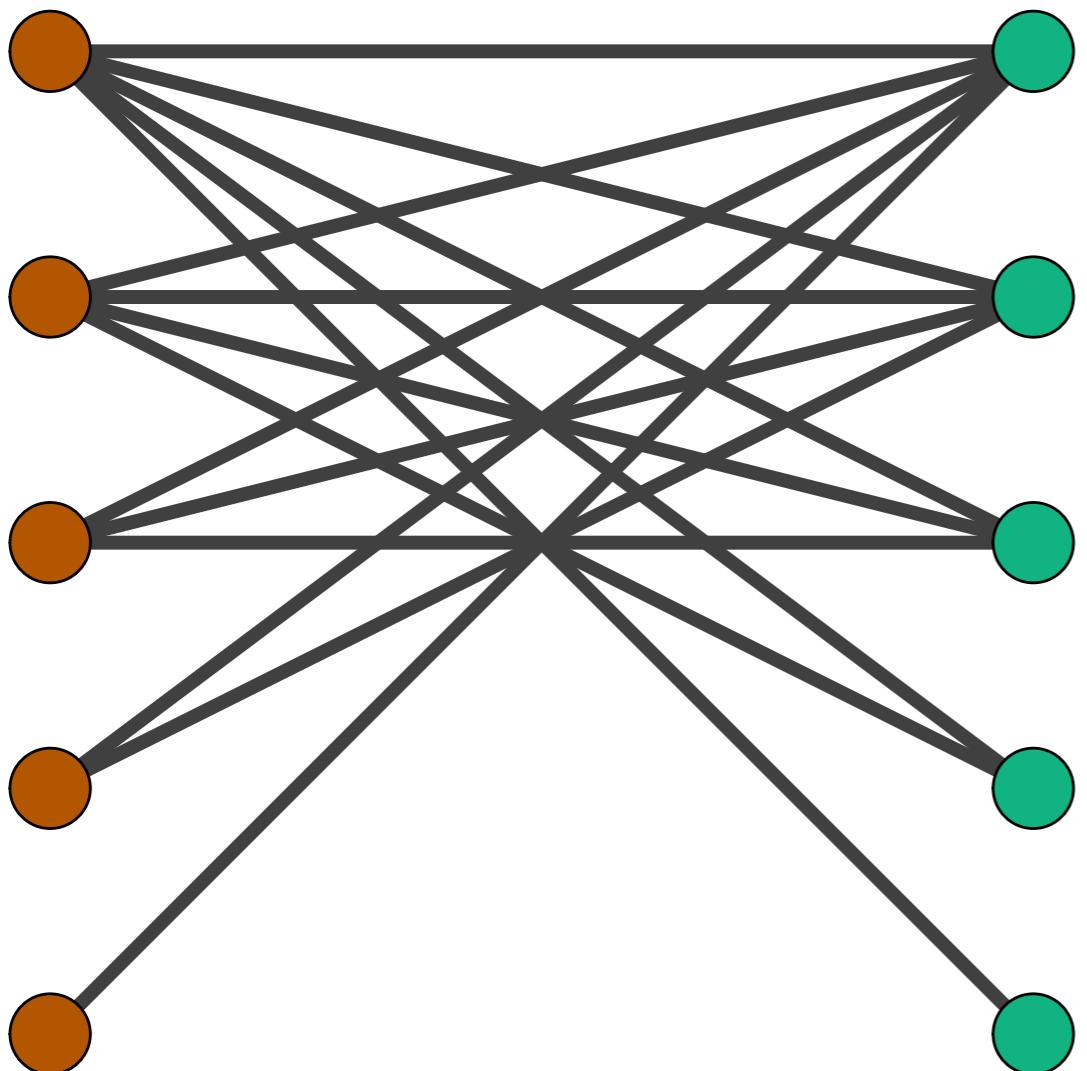


Nestedness

Modularity

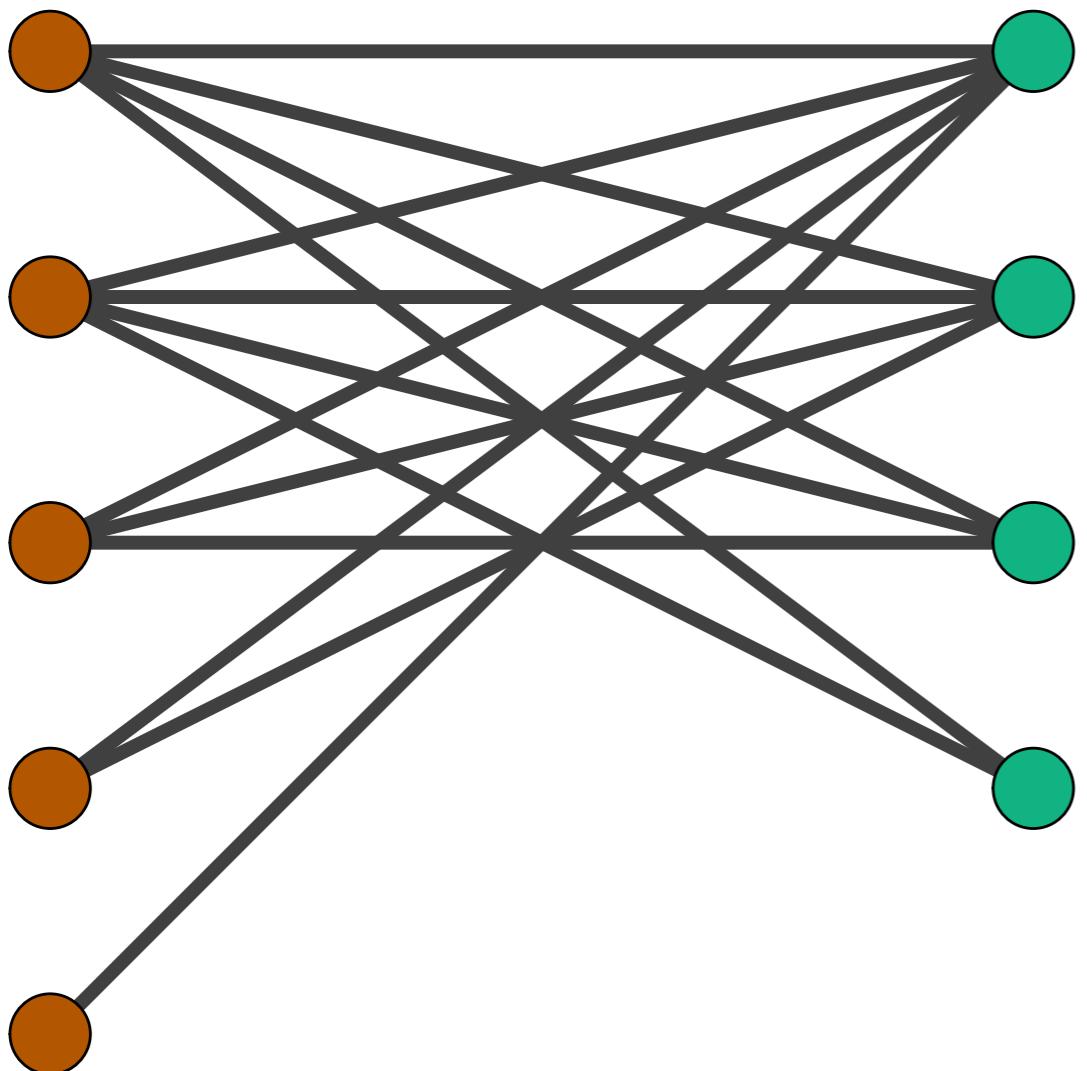
Nestedness

Modularity



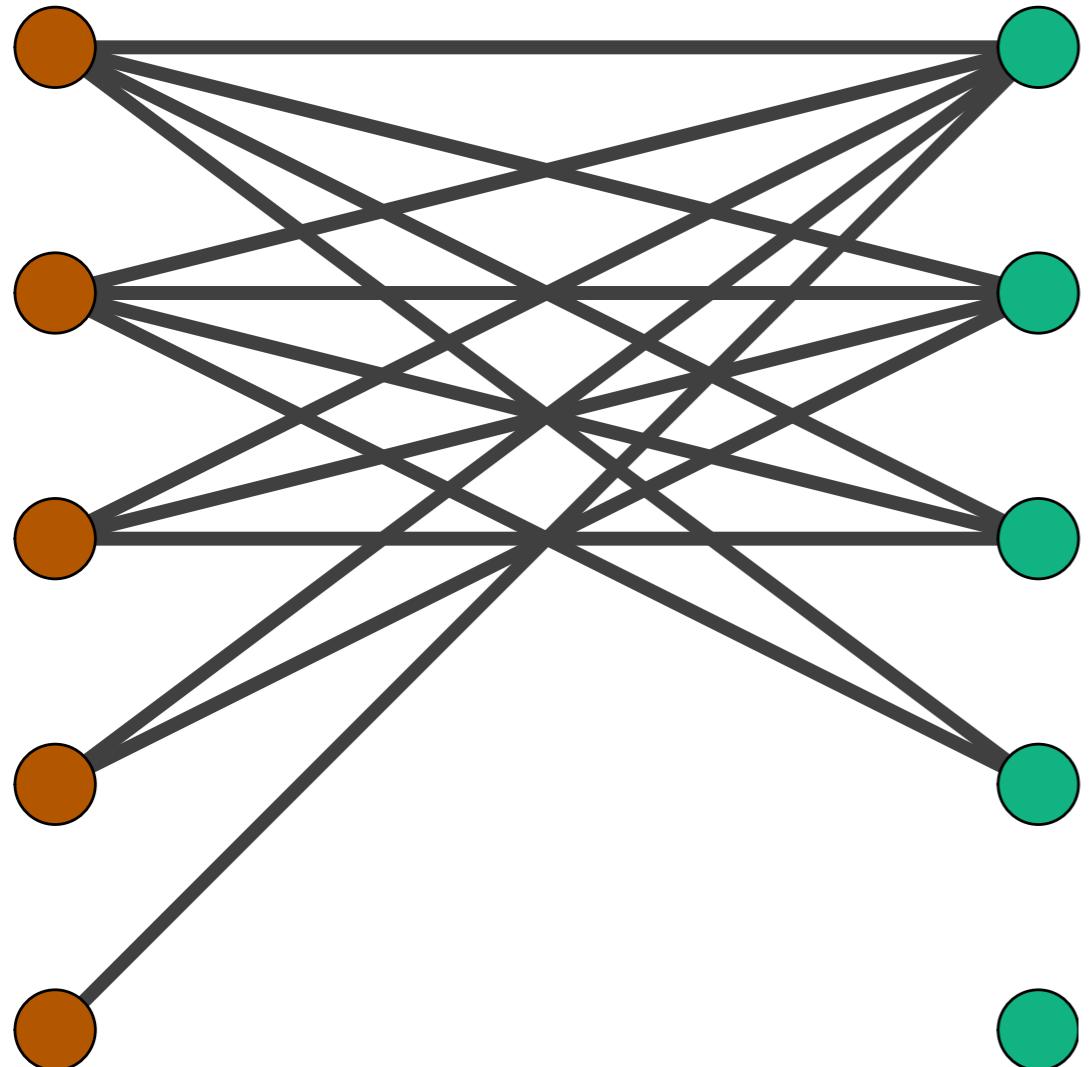
Nestedness

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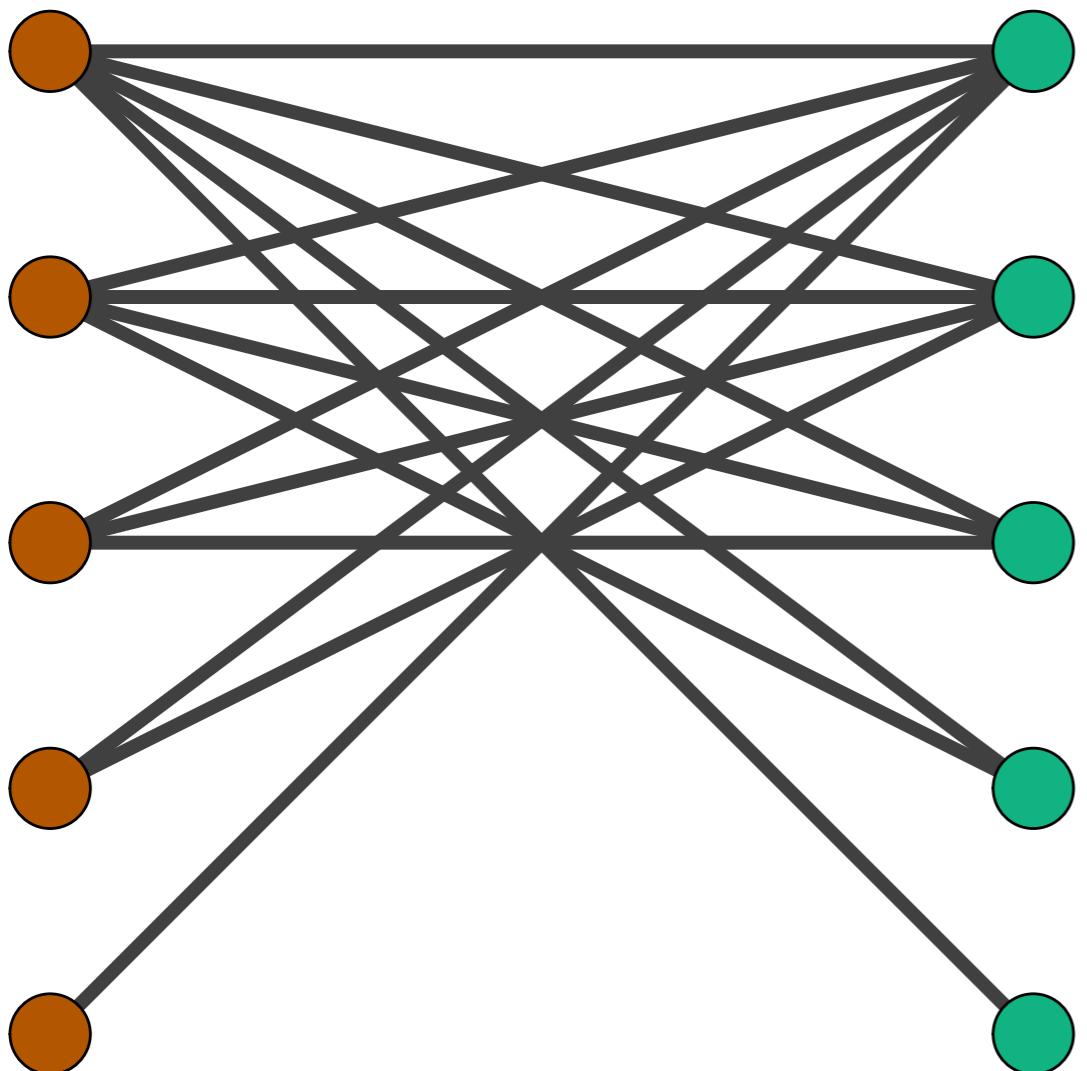
Nestedness

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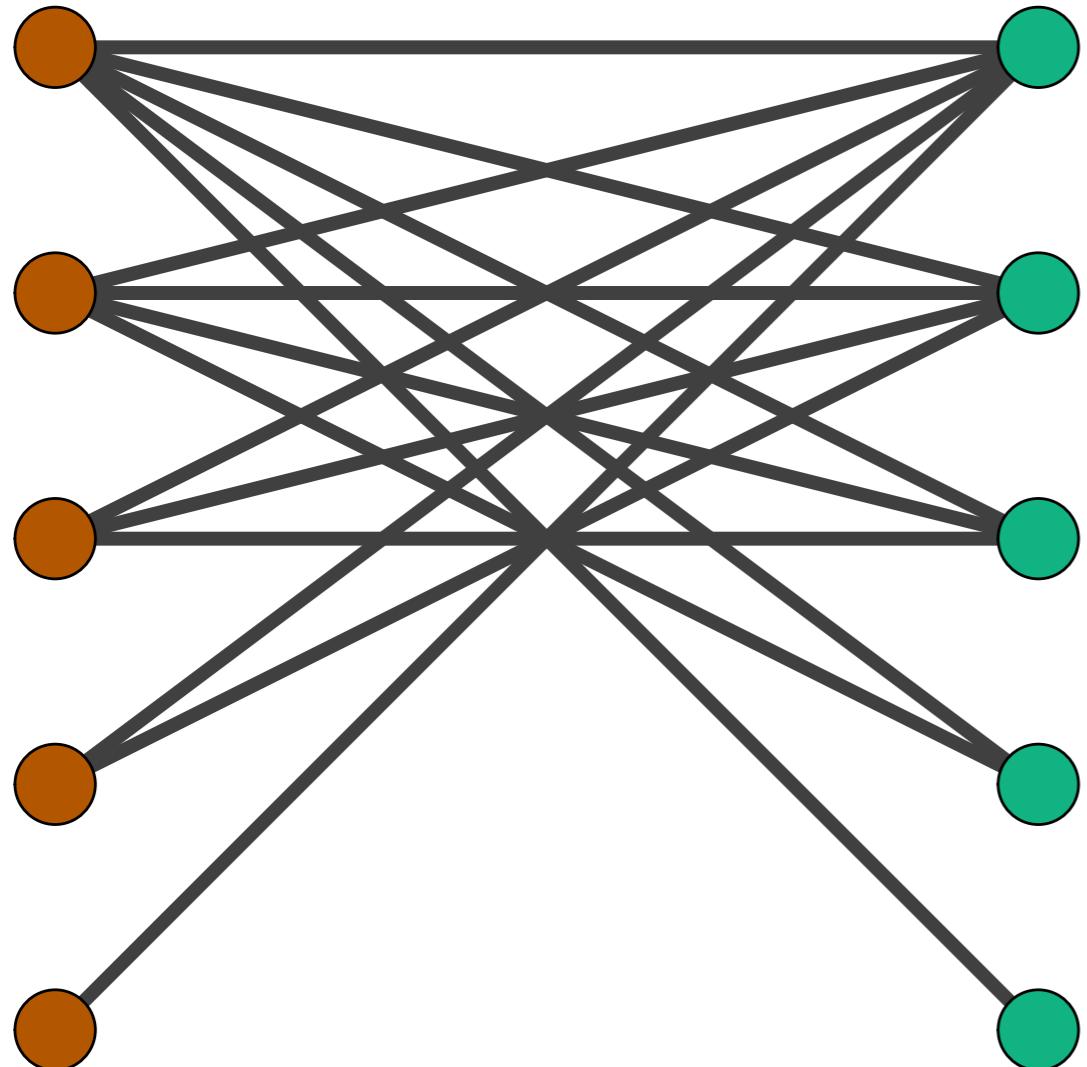
Nestedness

Modularity



Nestedness

Modularity

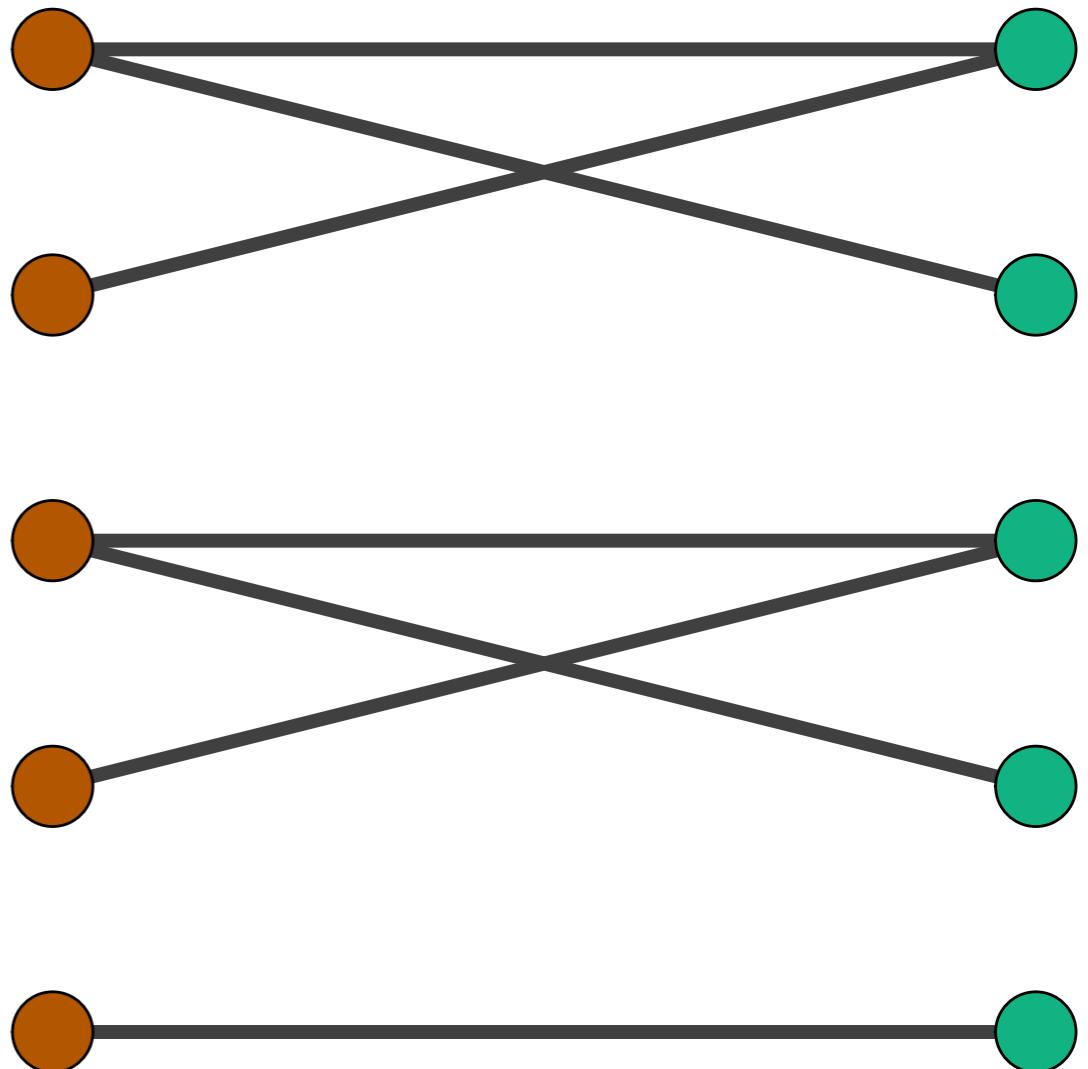


NODF

Almeida-Neta *et al.* (2008) *Oikos*

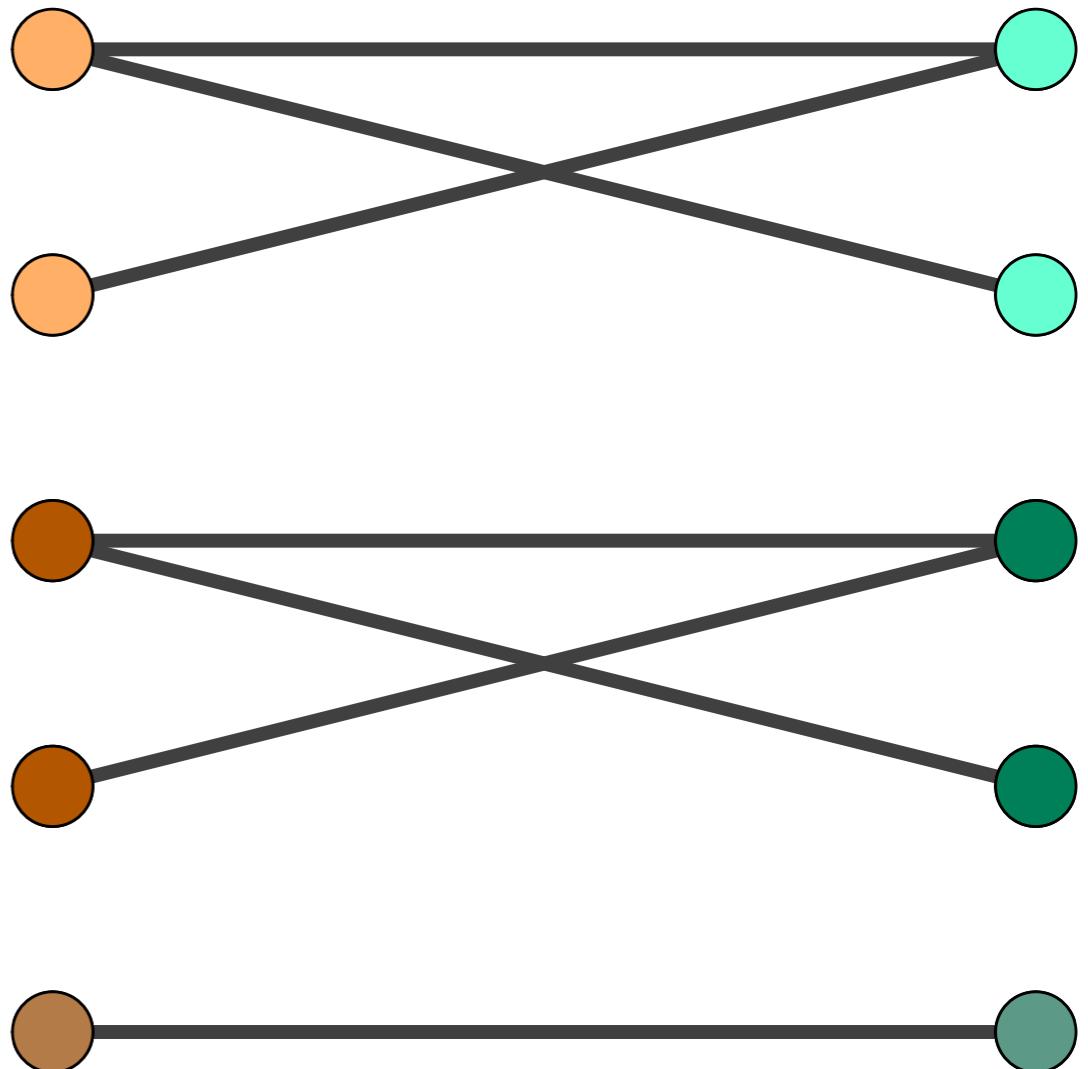
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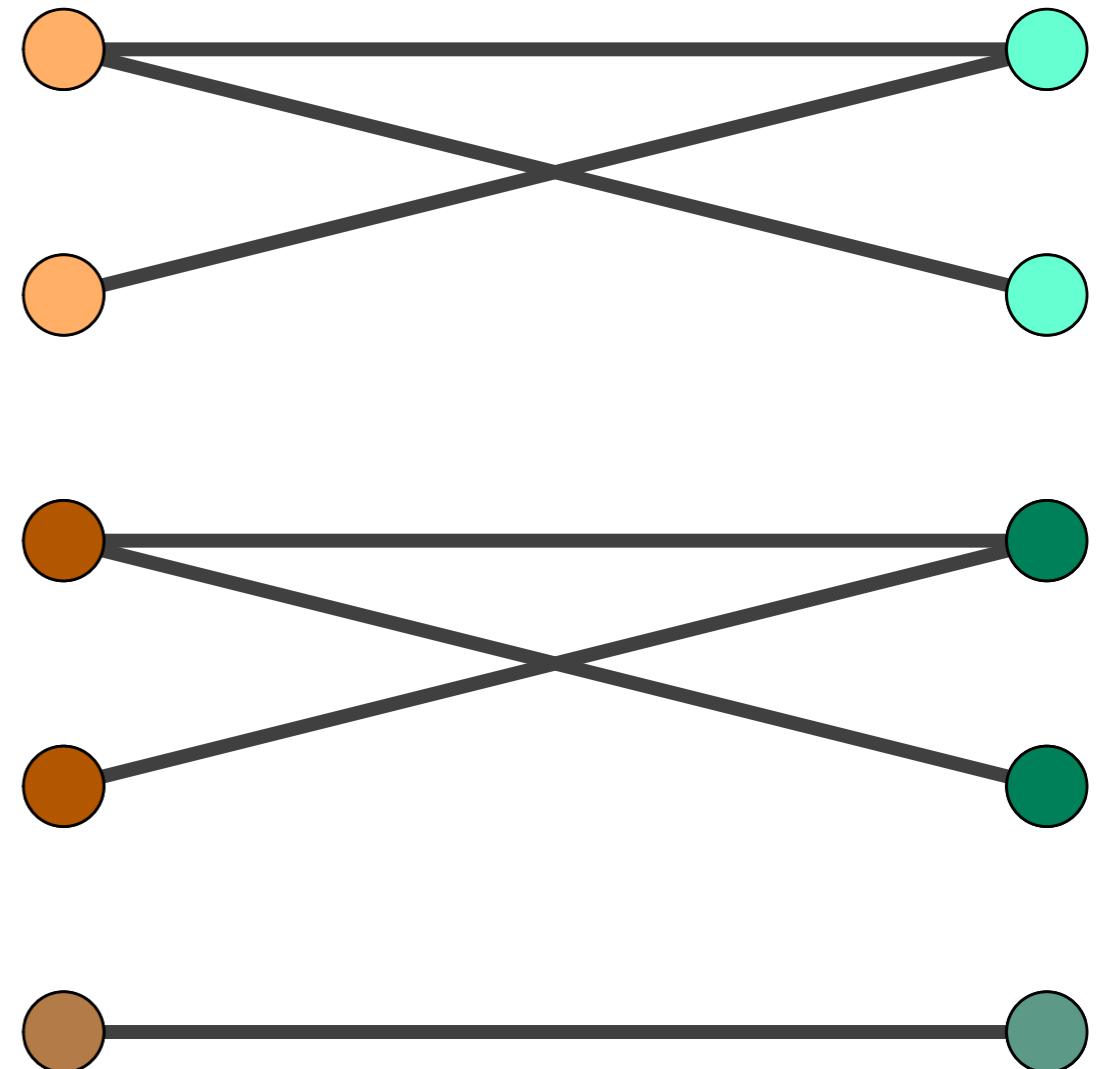
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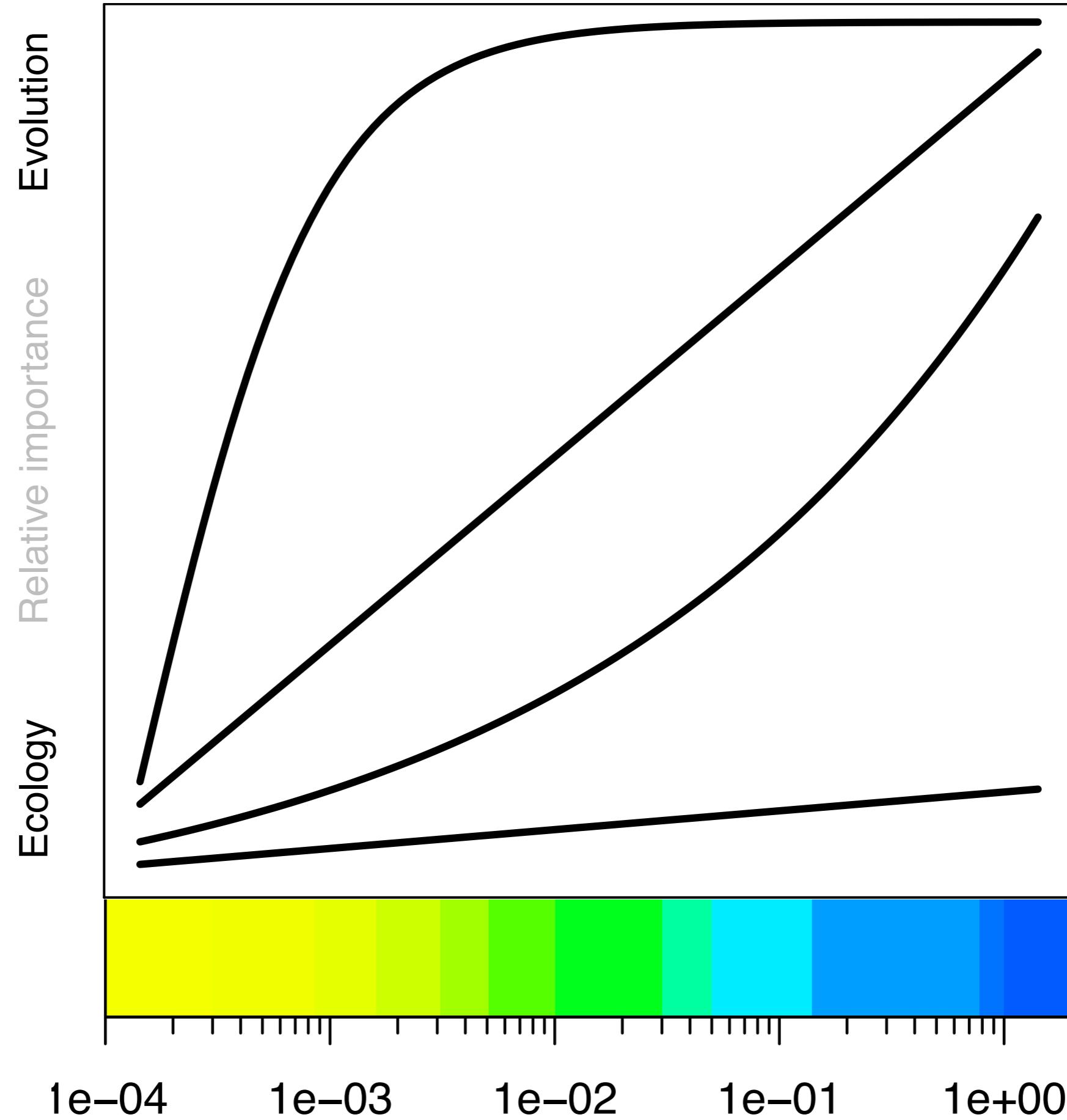
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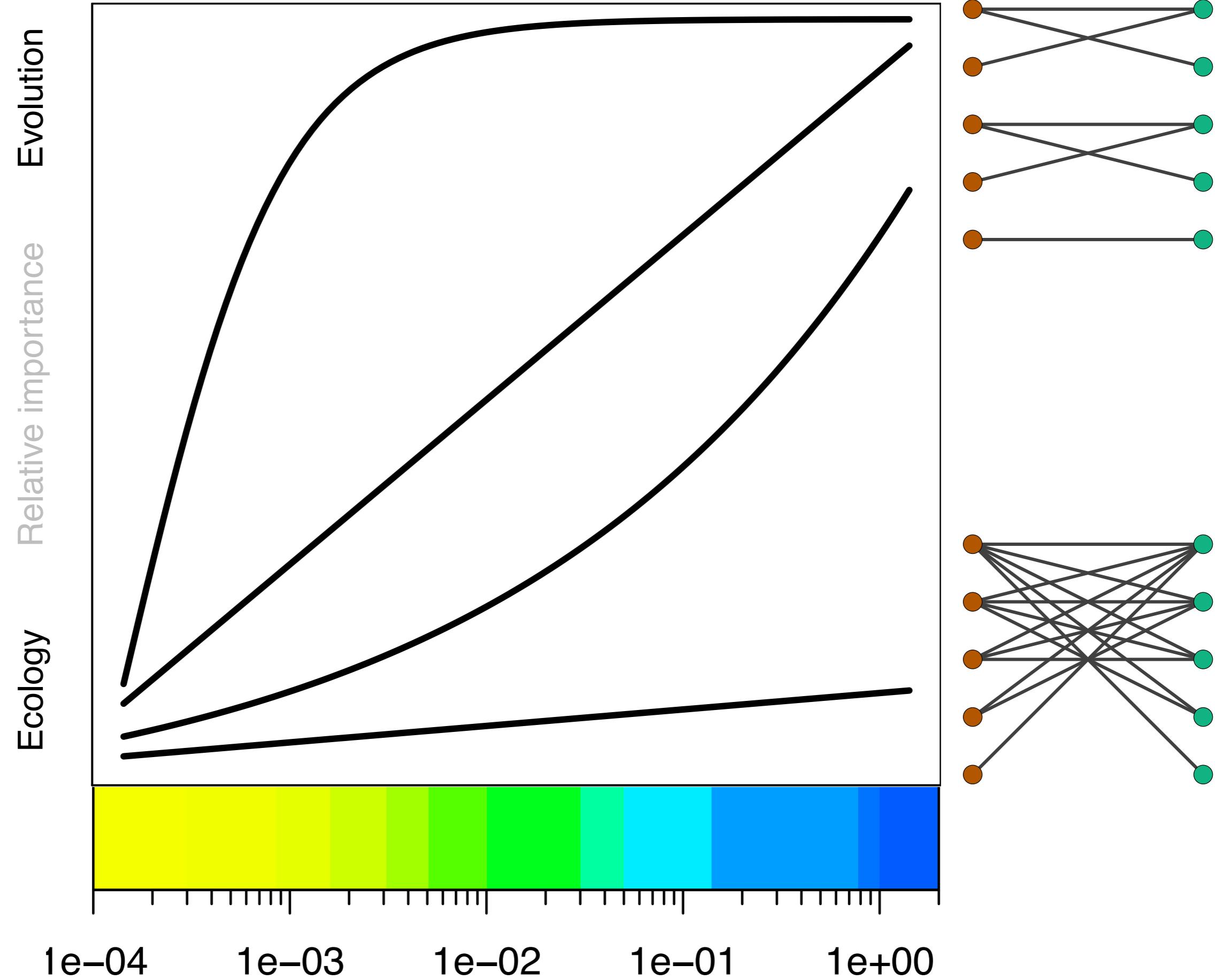
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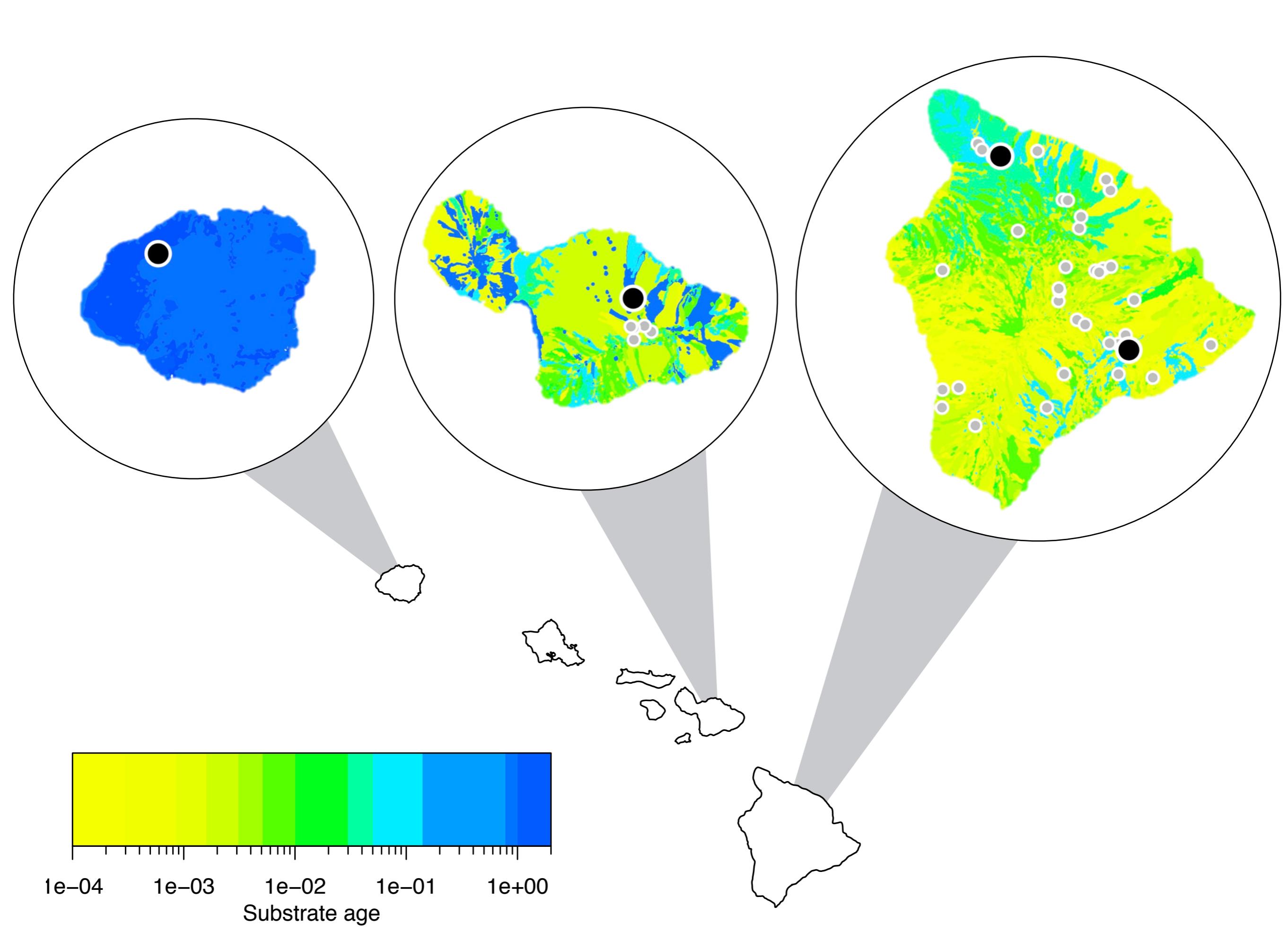


Edge betweenness

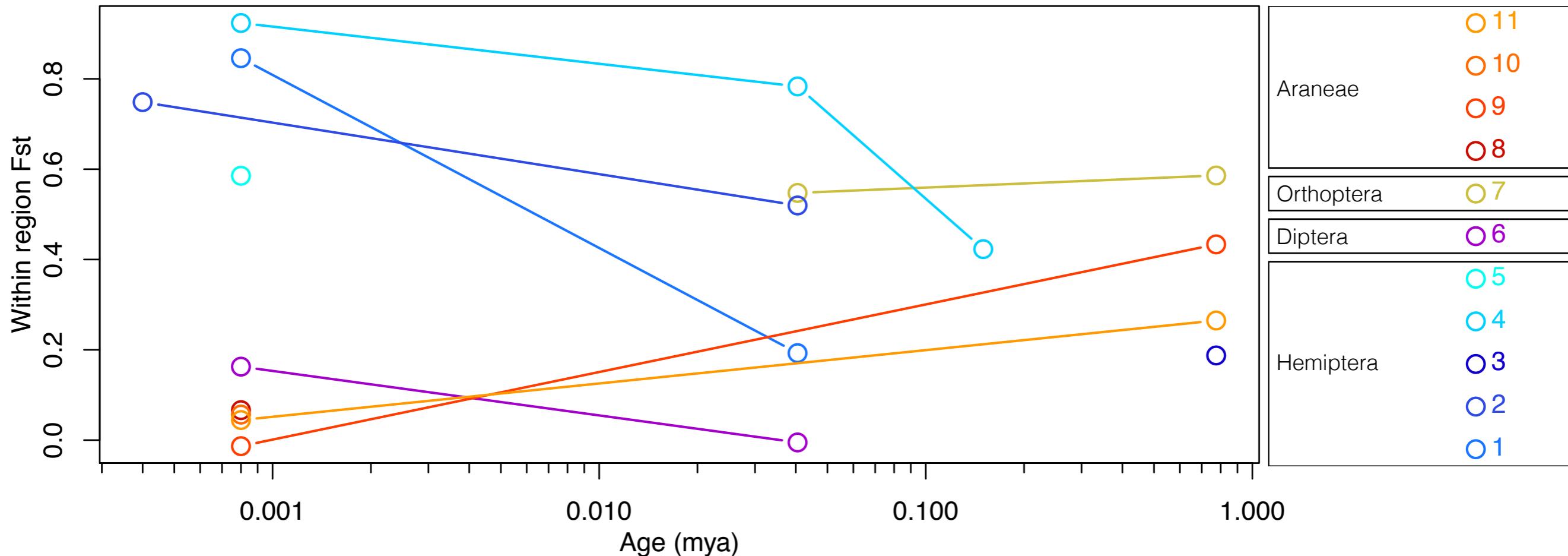
Newman & Girvan (2004) *Phys. Rev. E*



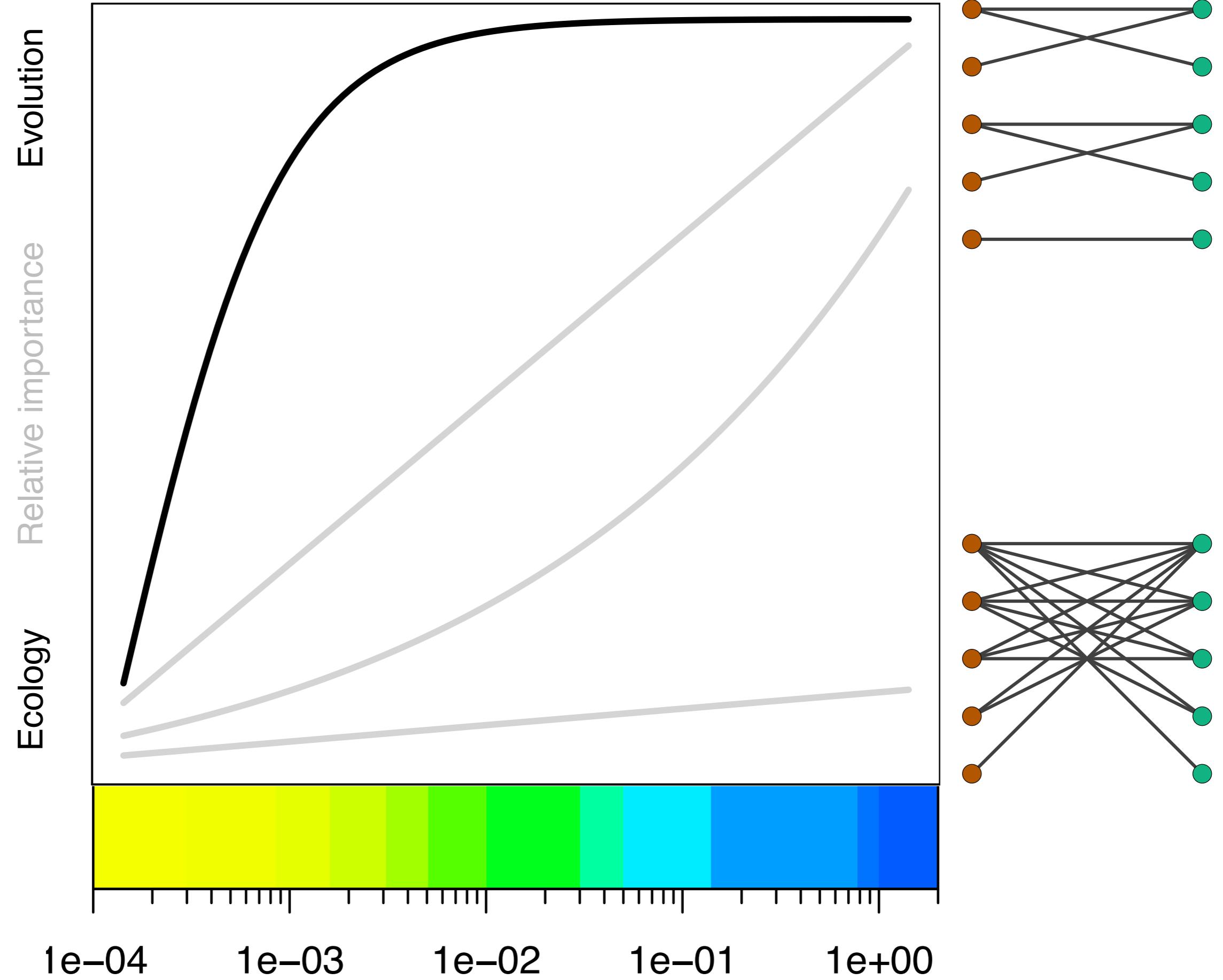


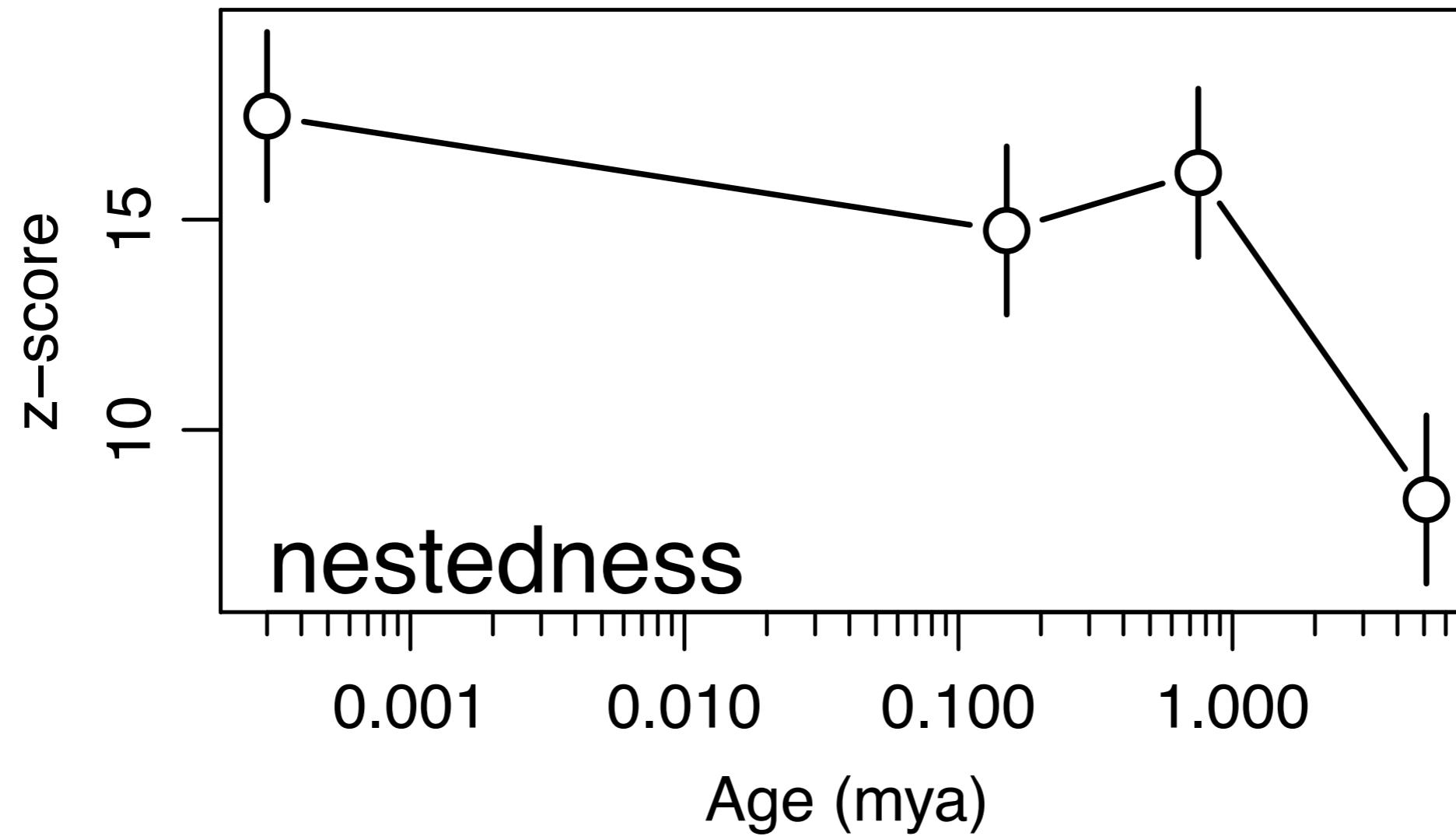


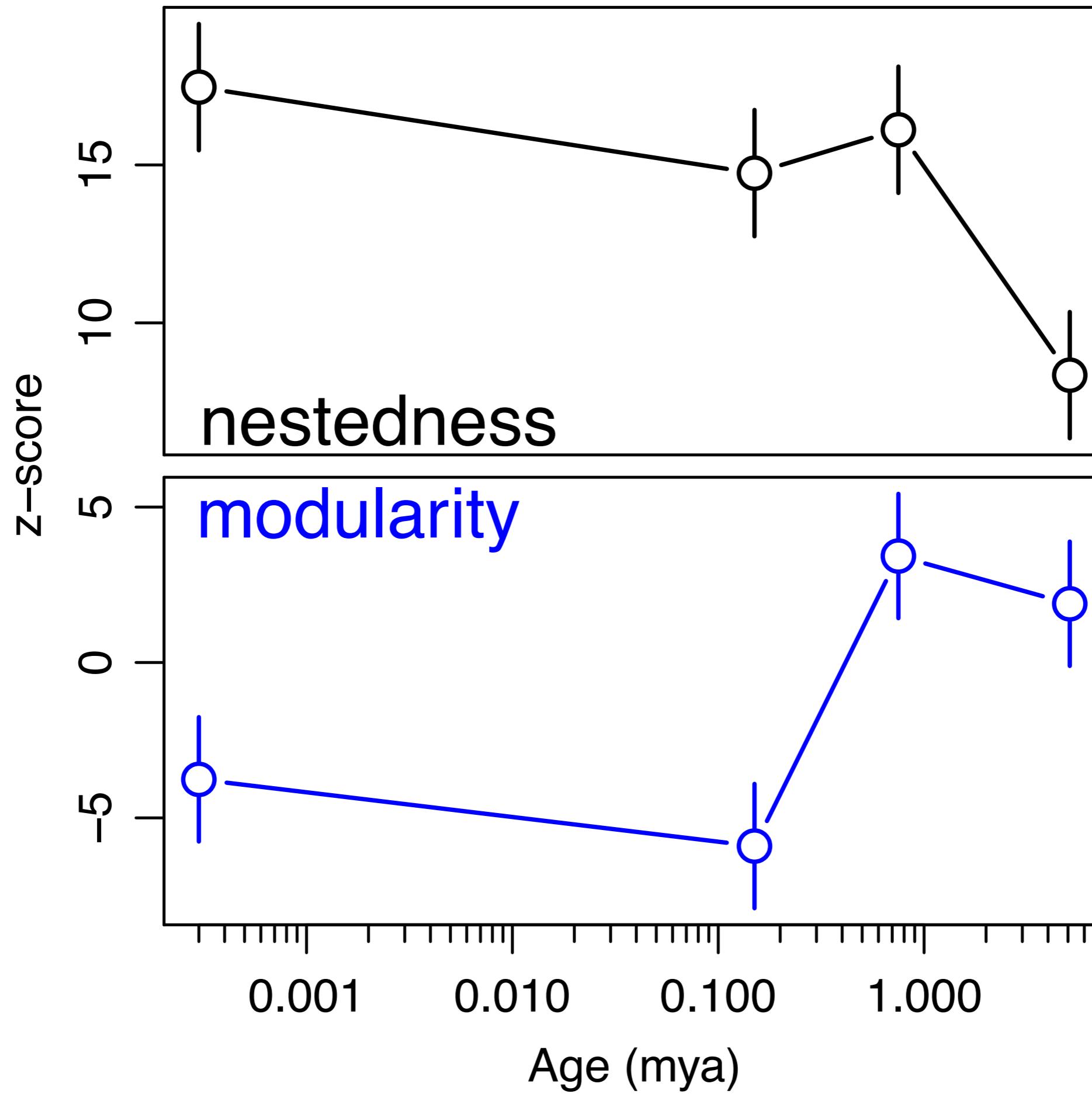
Community assembly

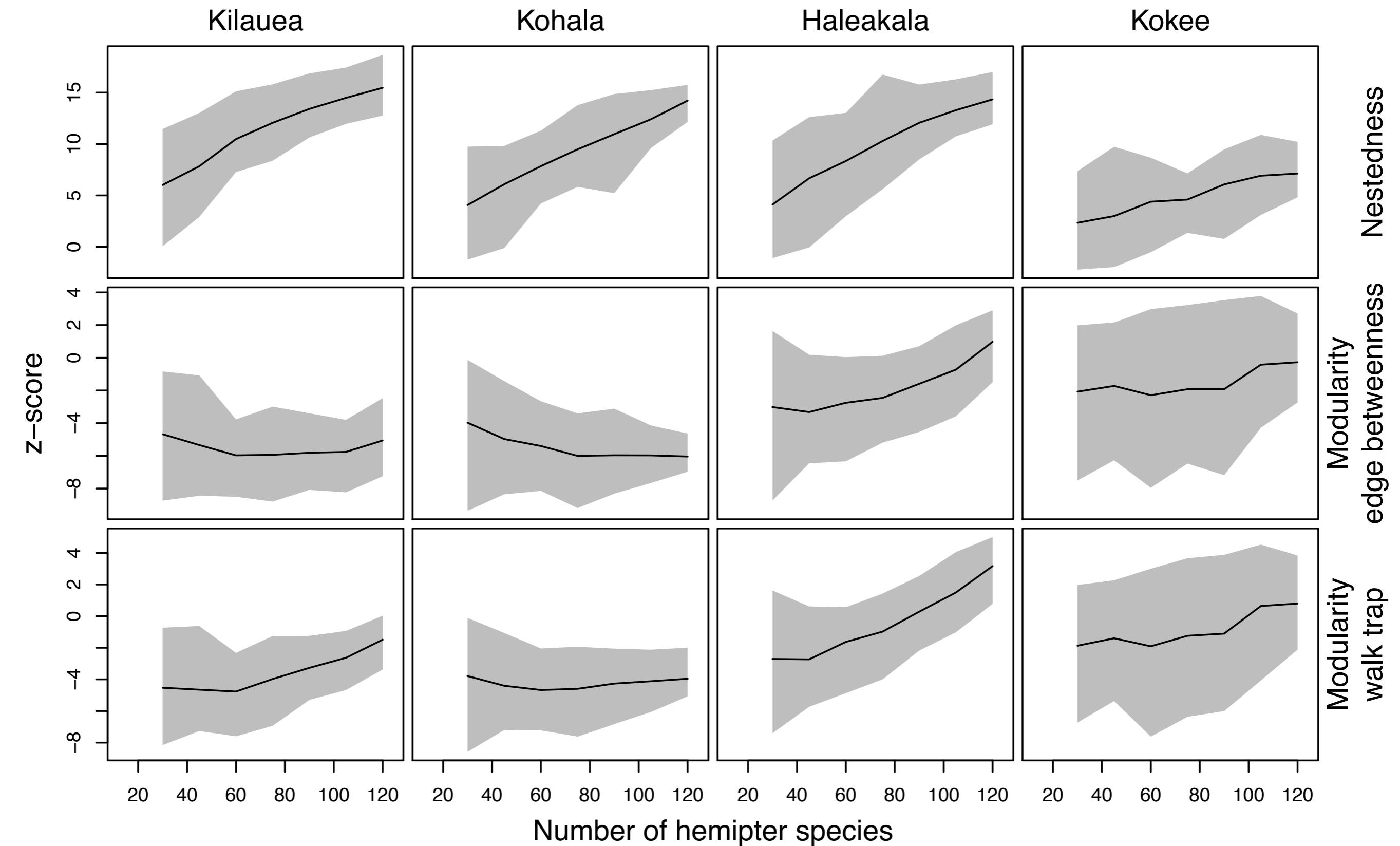


Need to have population colonization/divergence schematic



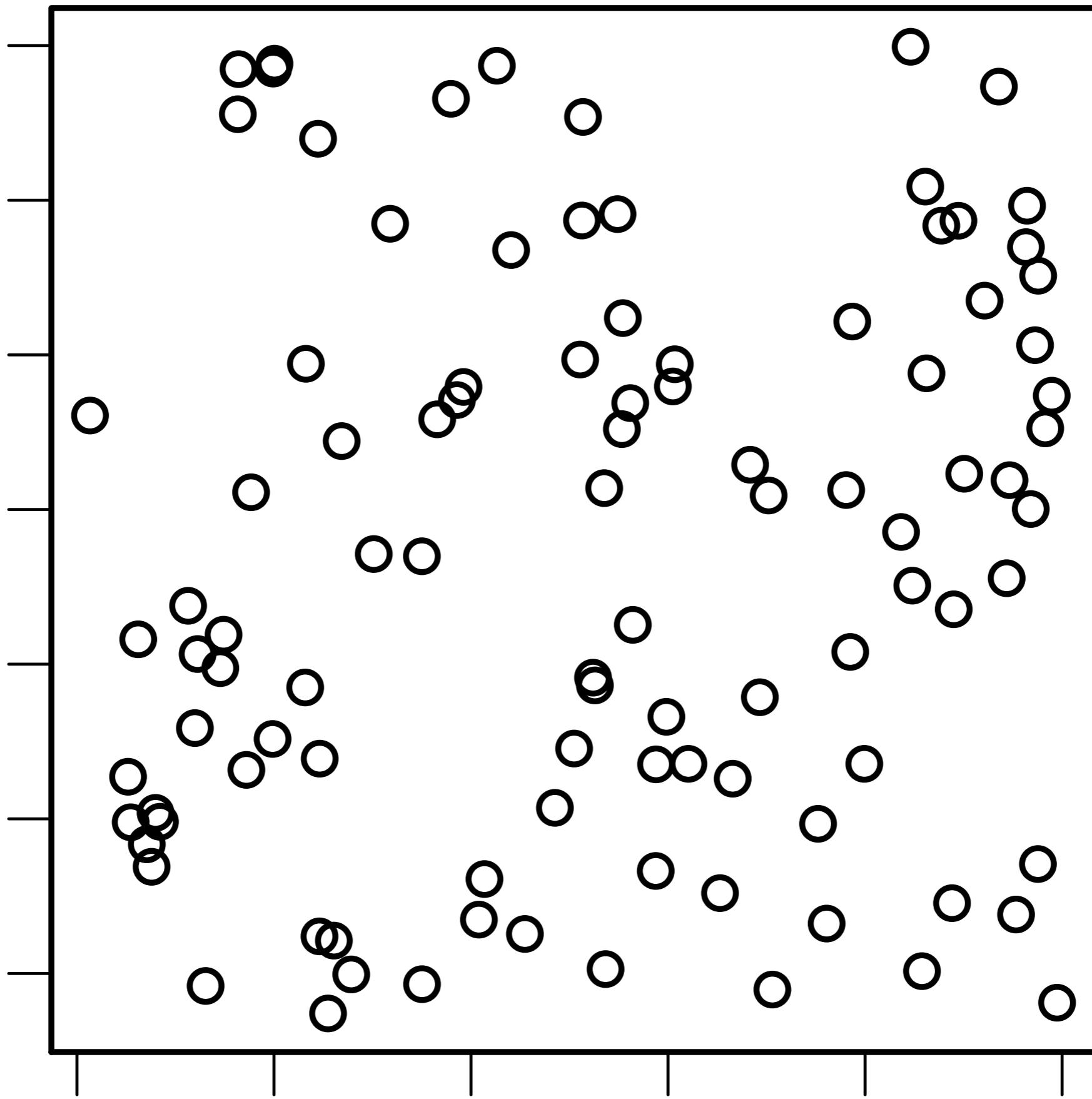


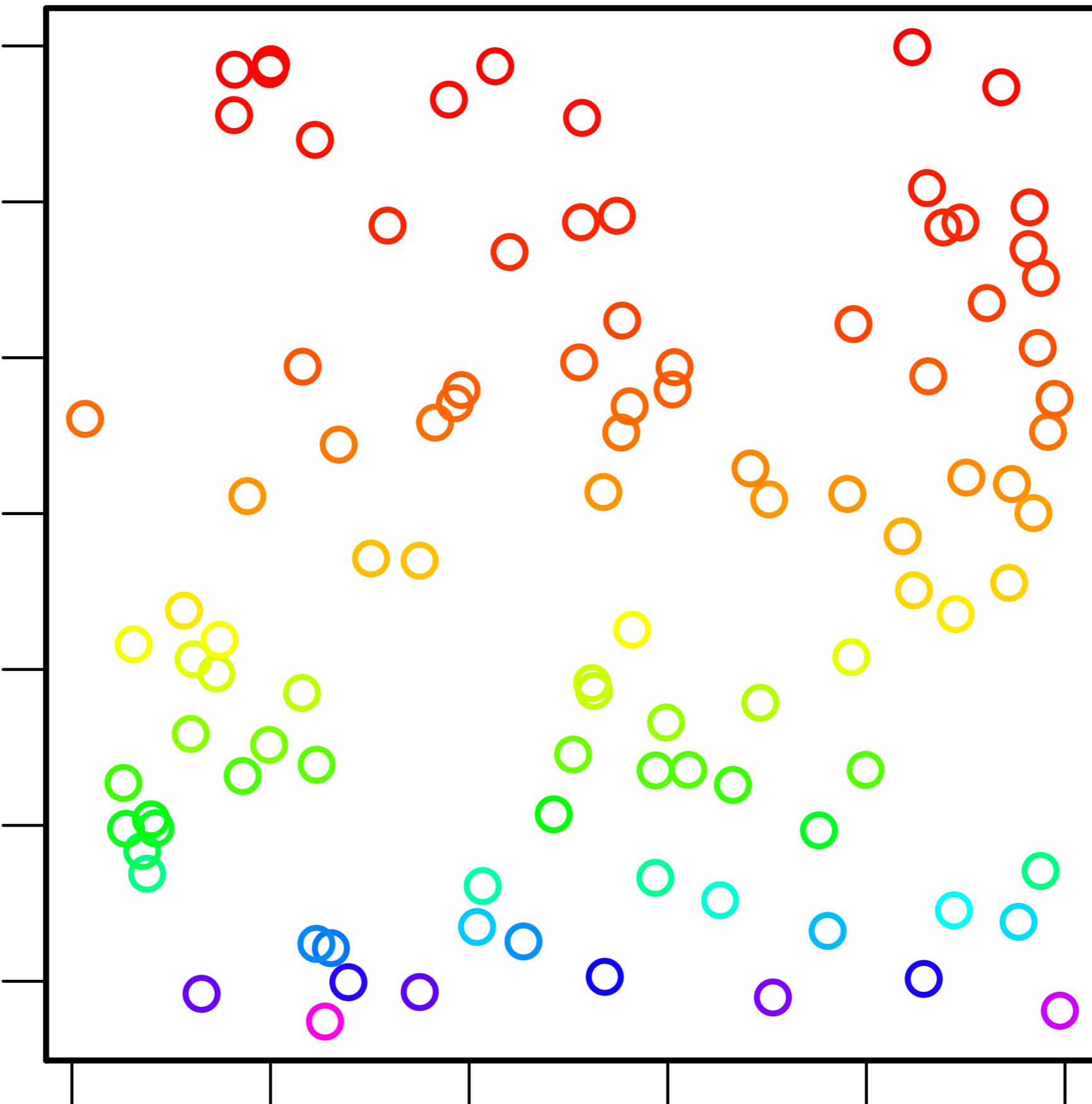


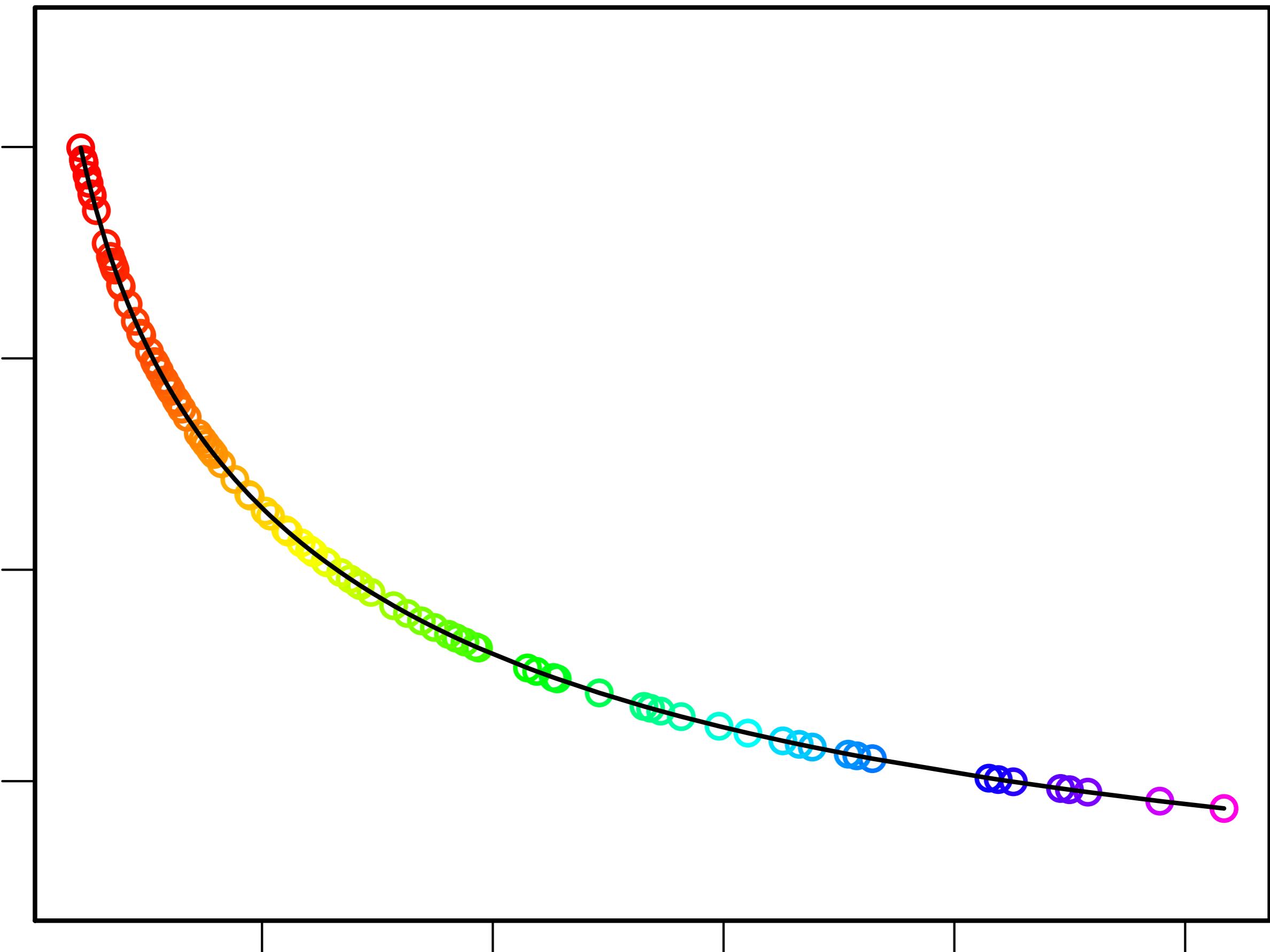


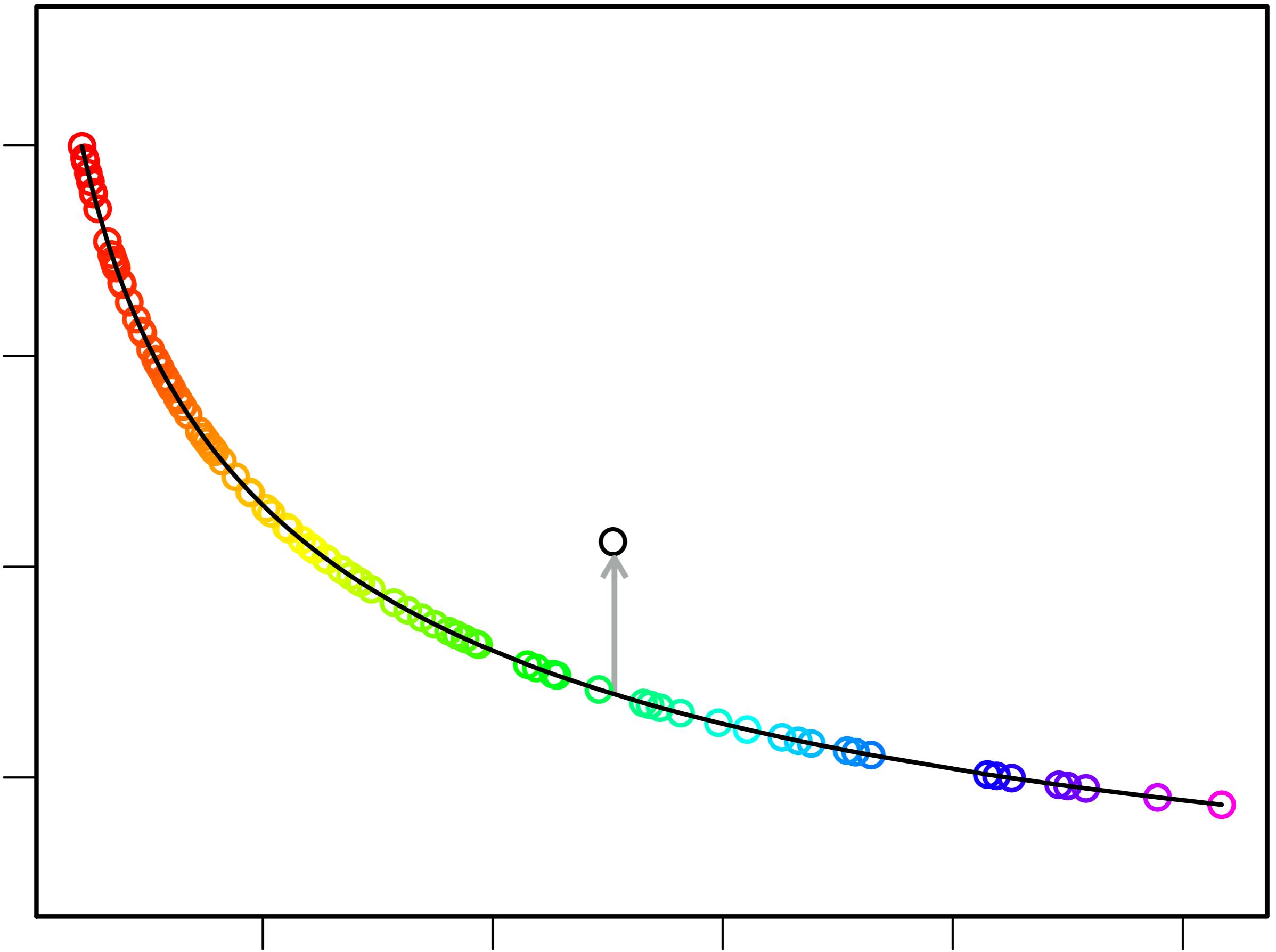
exceptional or expected?

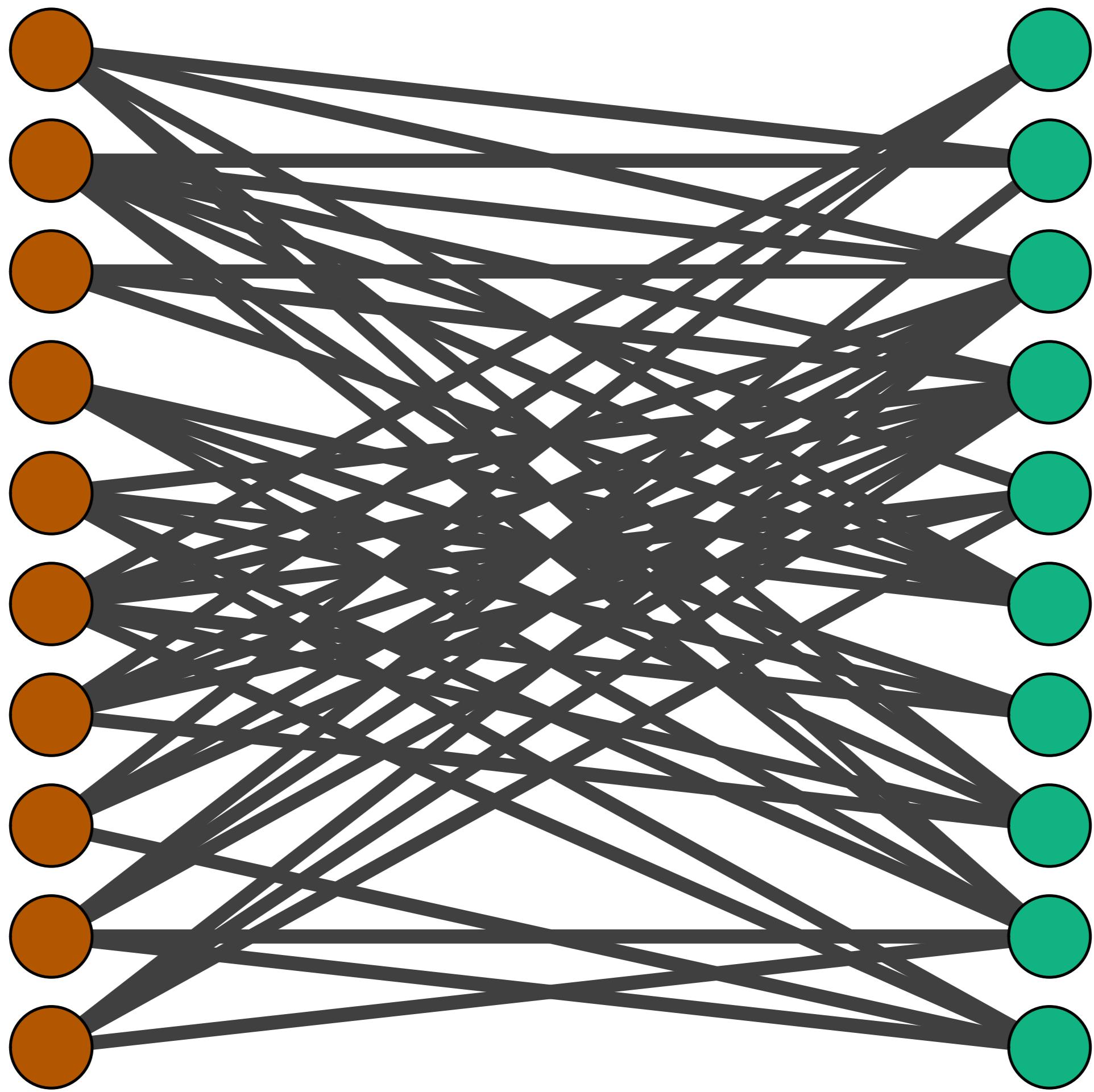
exceptional or expected?
Theory

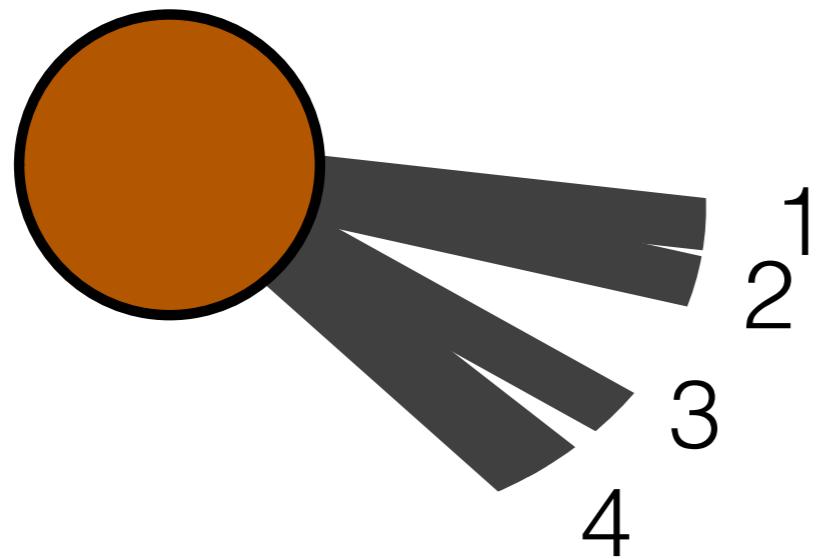


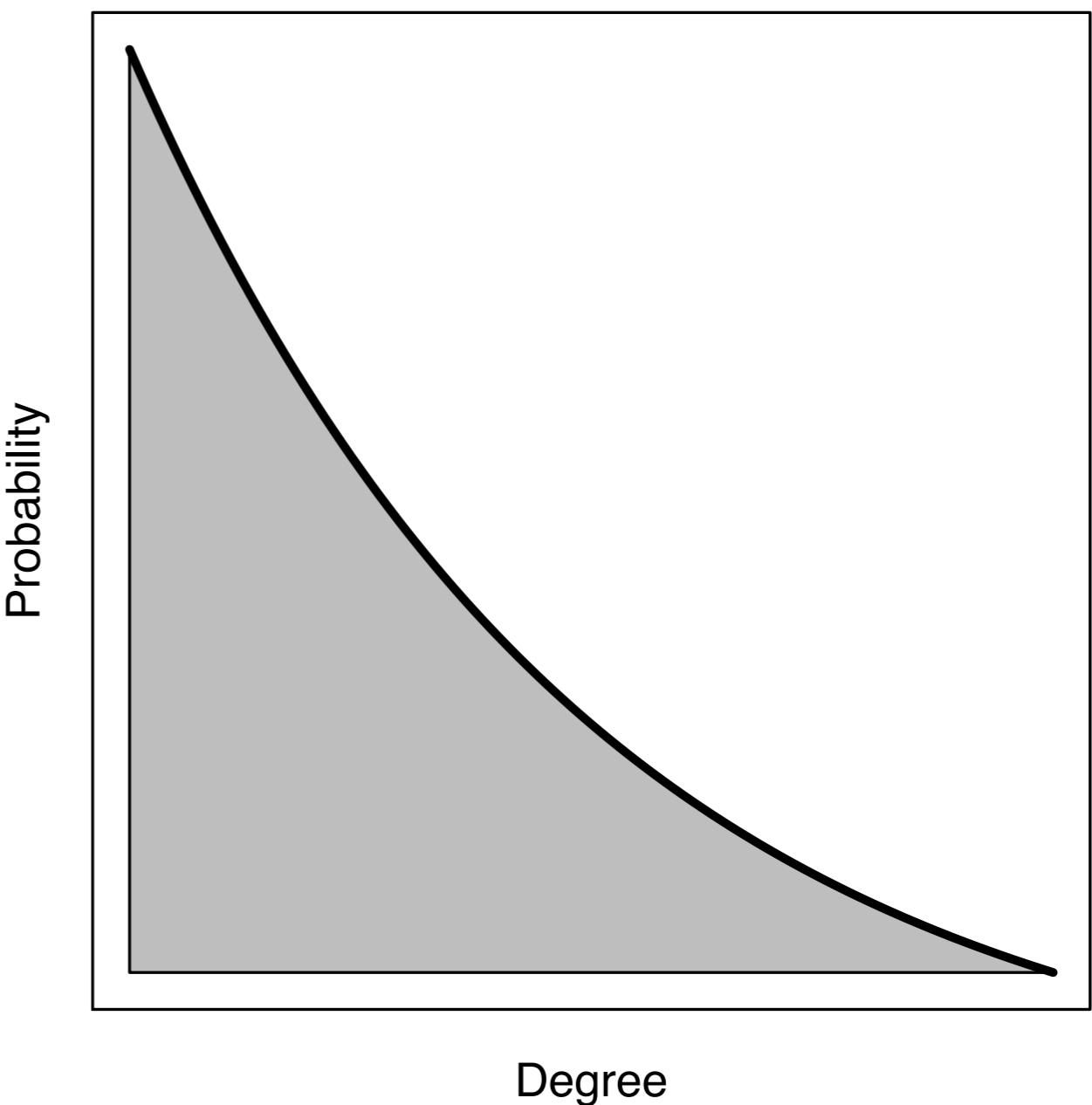
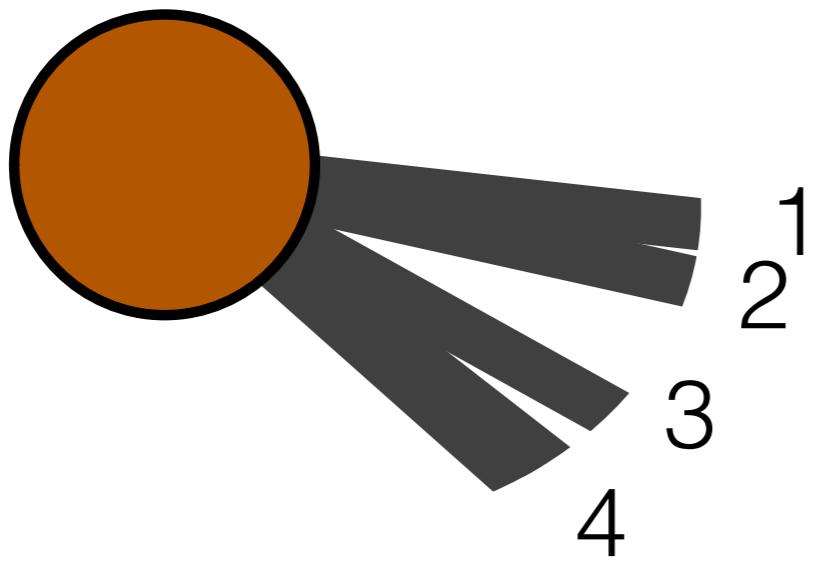


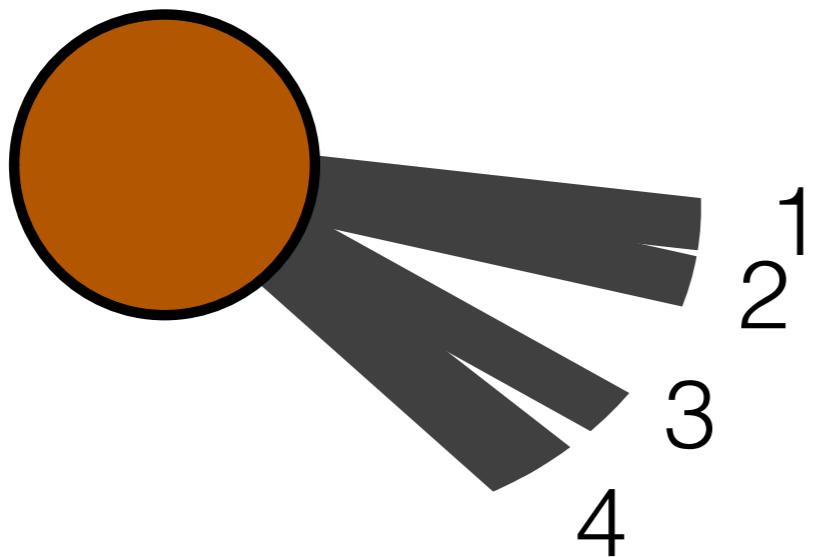






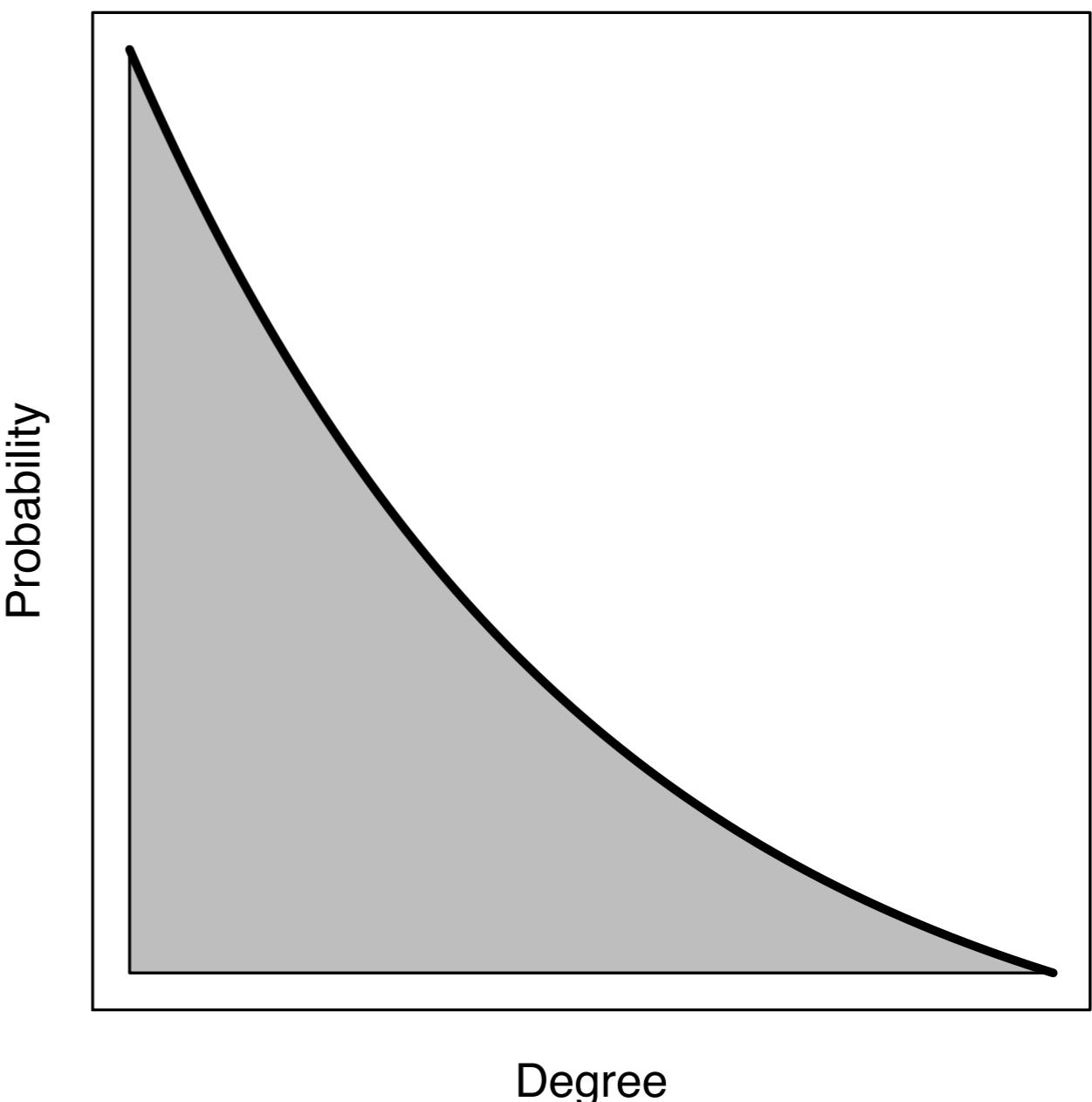


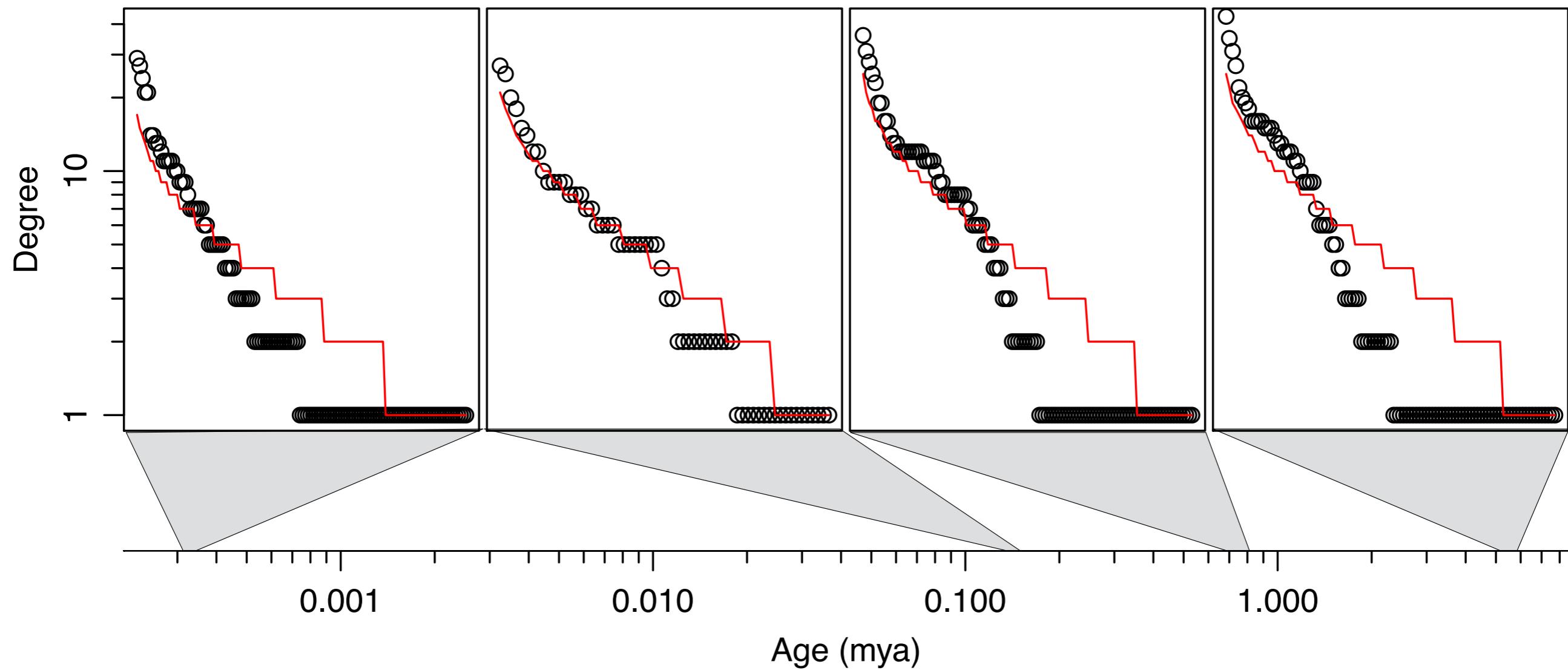


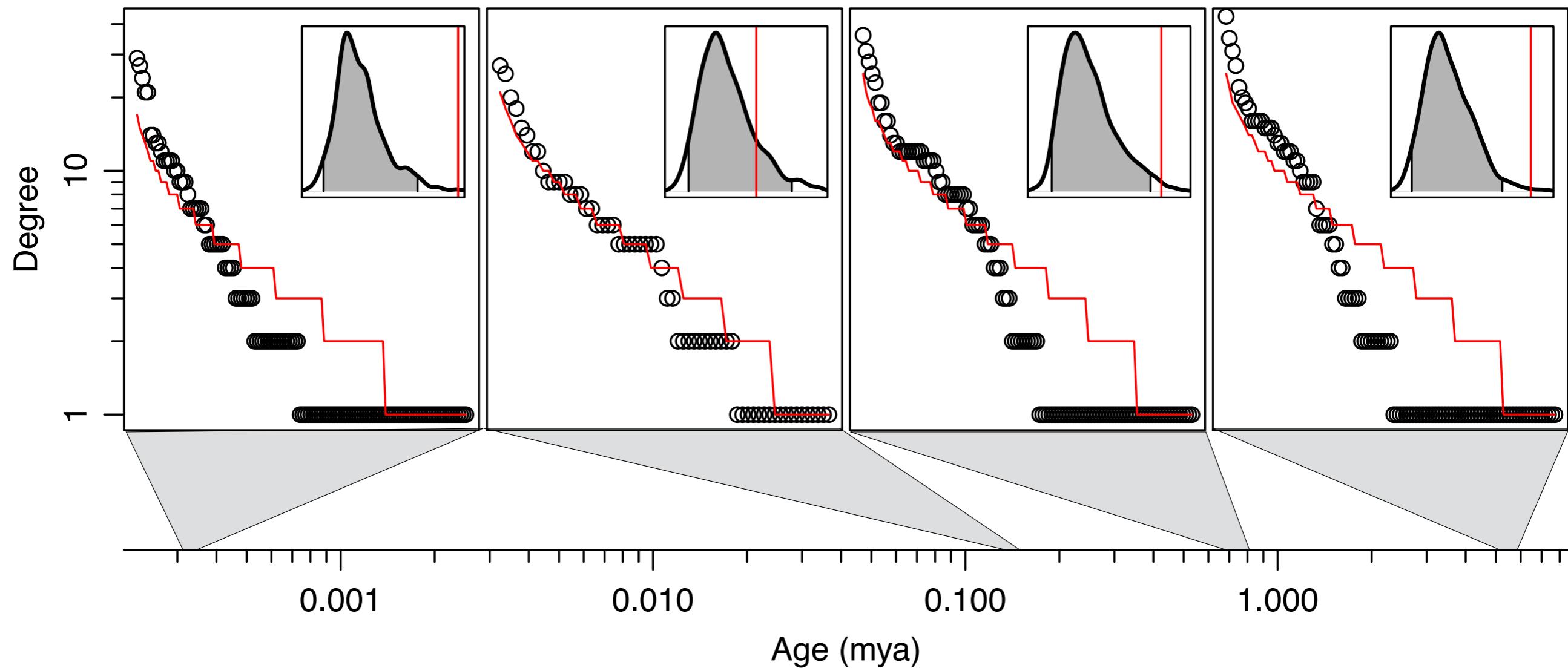


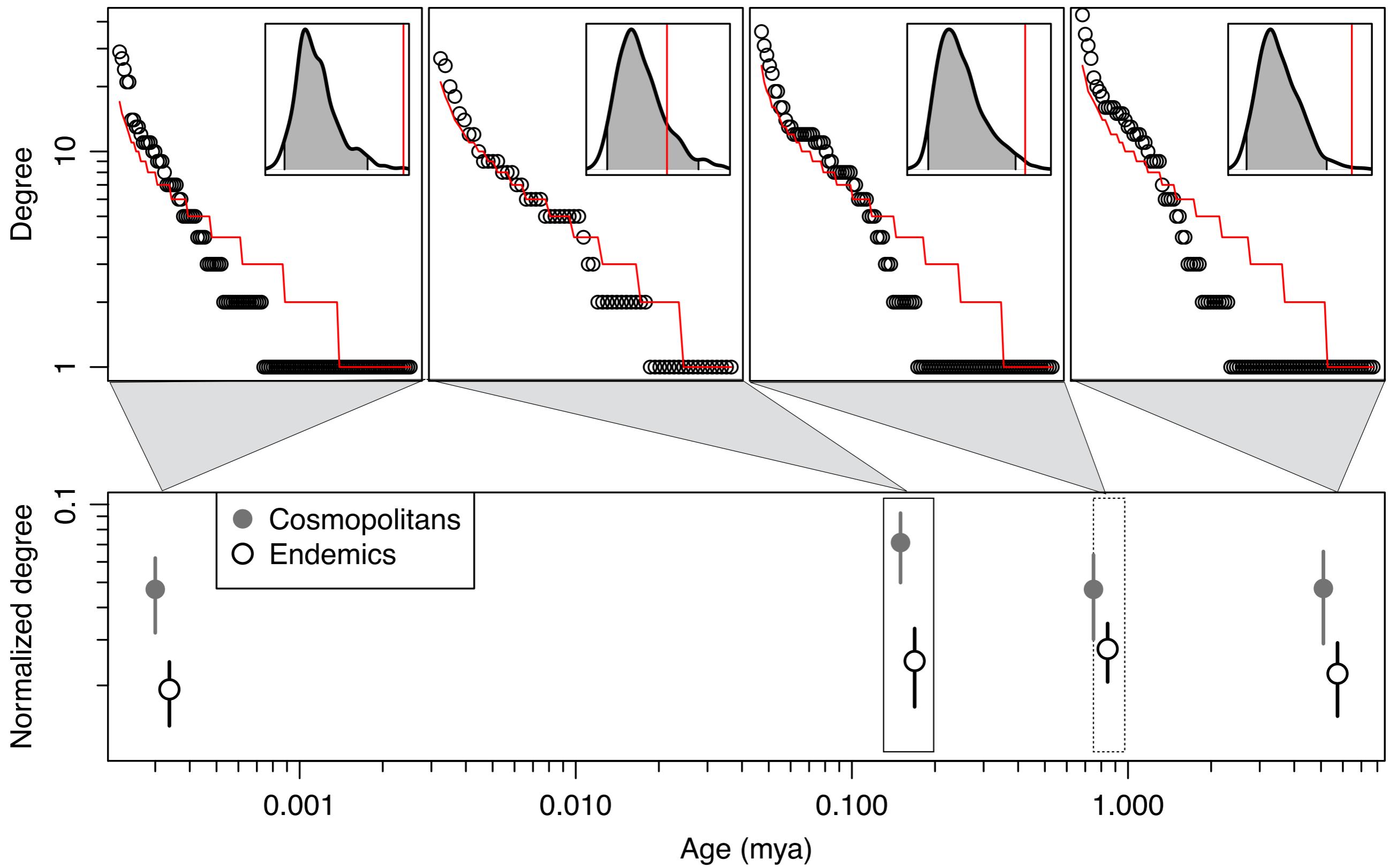
Principle maximum
information entropy

Williams & Martinez (2000) *Nature*
Harte (2011) Cambridge Press



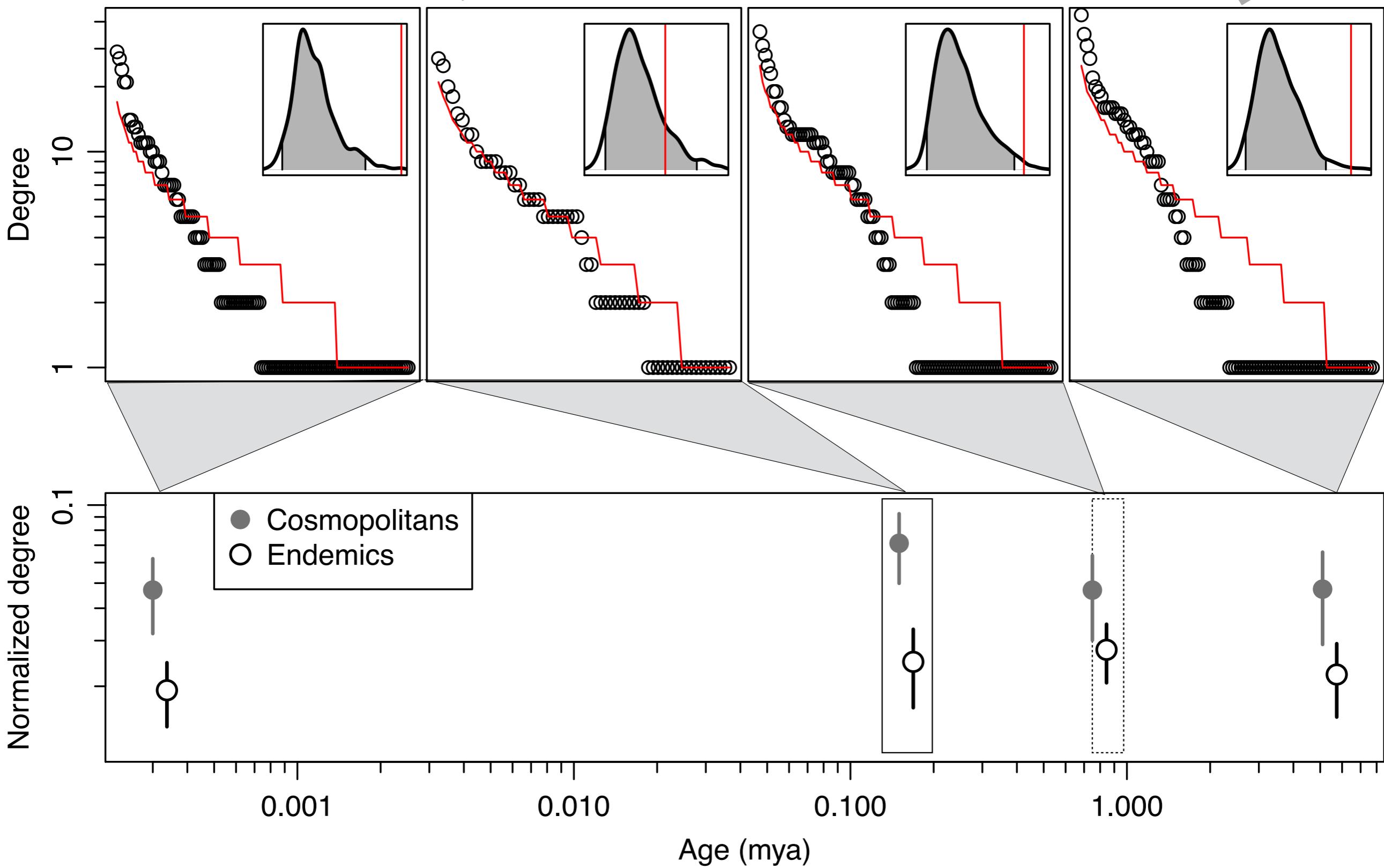


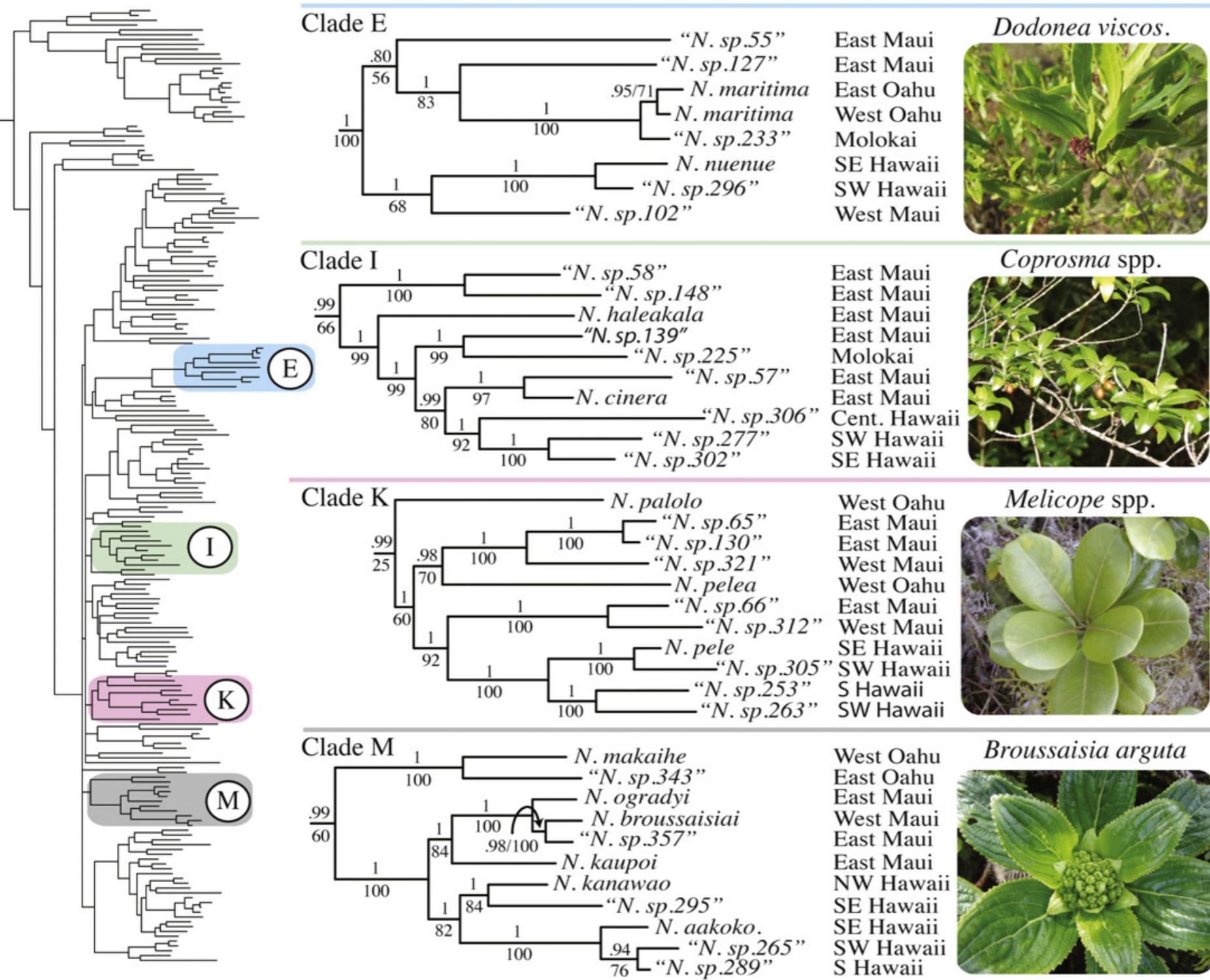




Primary succession

Niche exploration

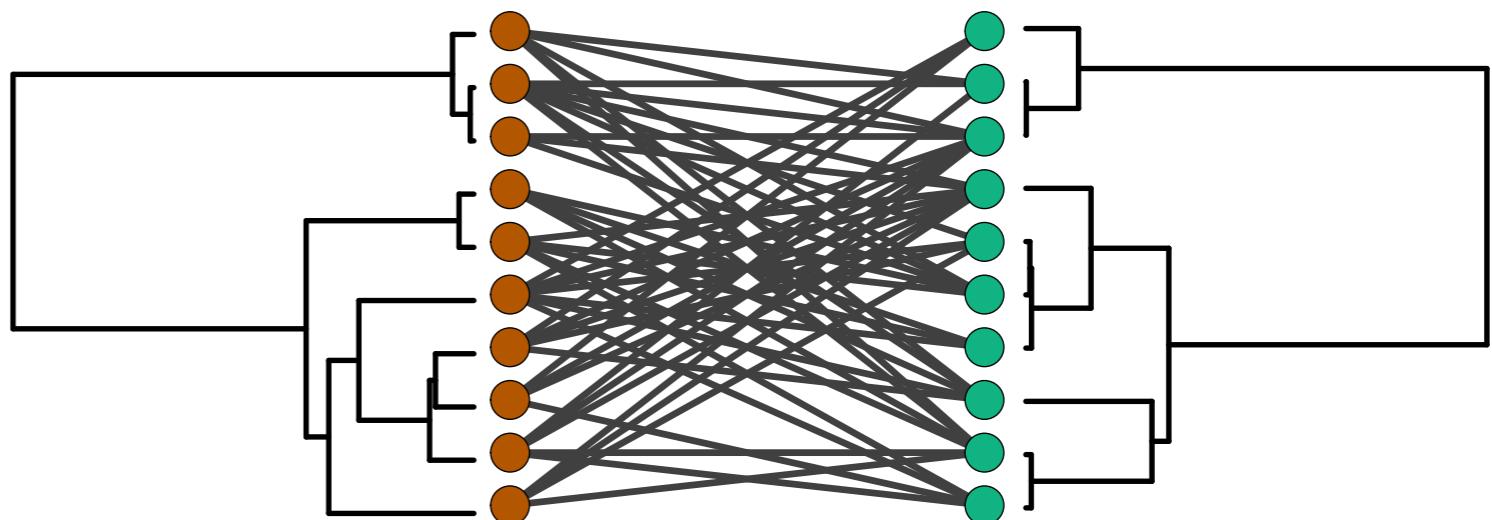




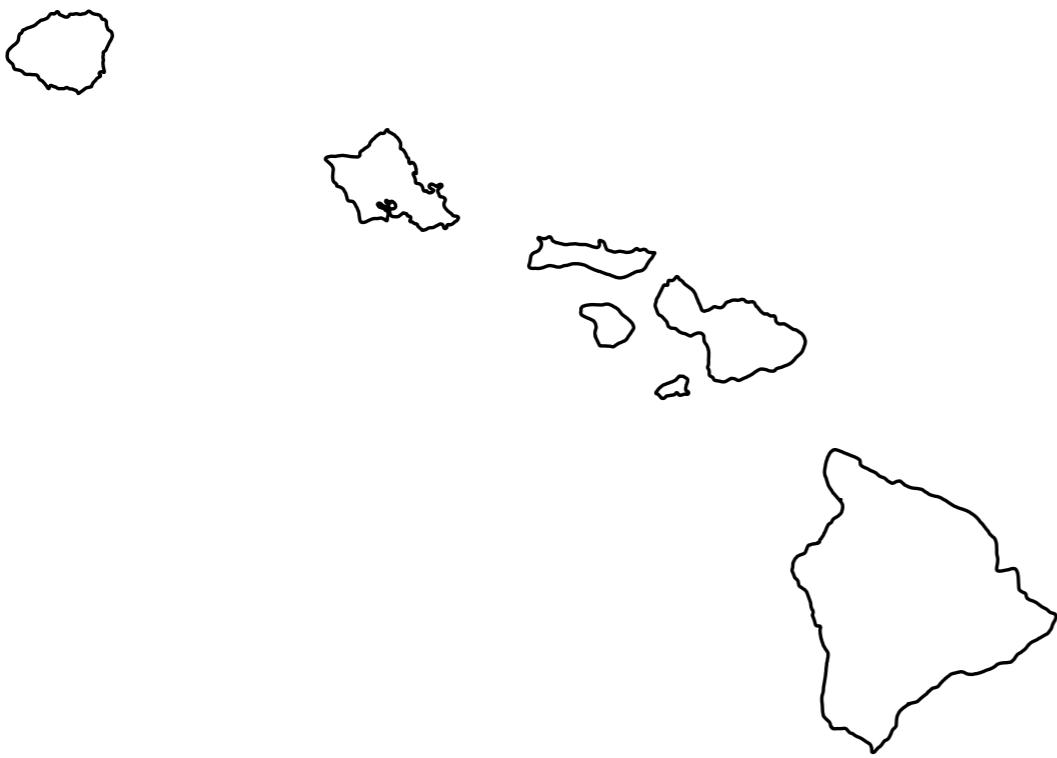
Bennett & O'Grady (2012) *Mol. Phylo. Evol.*

Future directions

Phylogenetic perspective

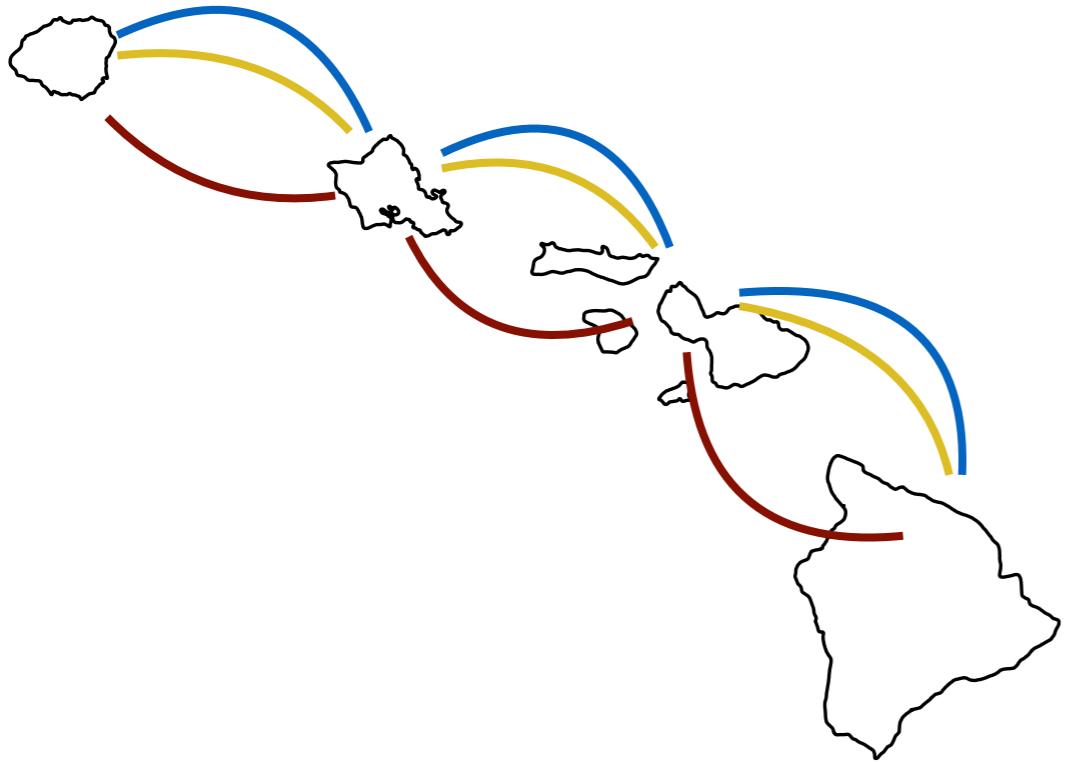


Future directions



Taxa as replicates

Future directions



Taxa as replicates

Future directions

Inter-archipelago comparisons



A wide-angle landscape photograph of a mountainous region. The foreground and middle ground are filled with lush green forests covering various hilltops and slopes. The lighting suggests either early morning or late afternoon, with strong sunlight casting deep shadows and illuminating certain ridges and valleys in a warm, golden light. In the far background, a range of mountains is visible, their peaks partially obscured by a heavy, greyish-blue cloud cover.

Mahalo!