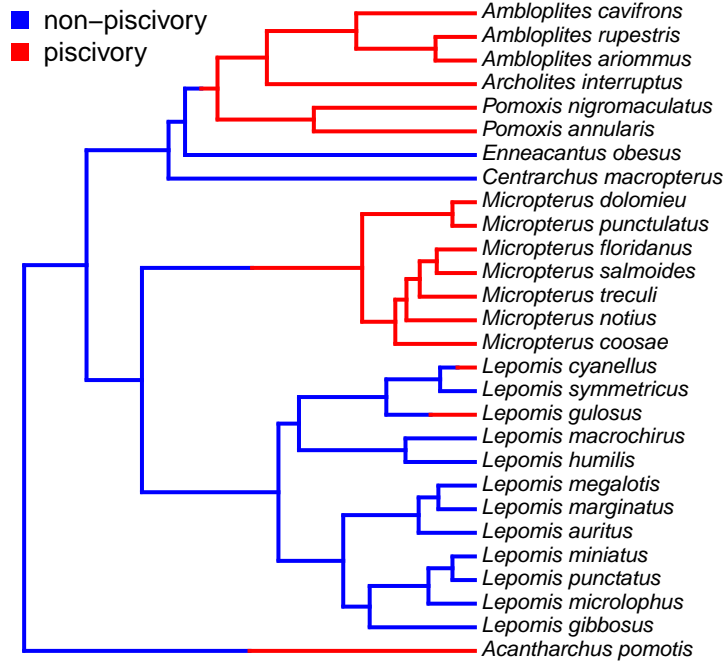
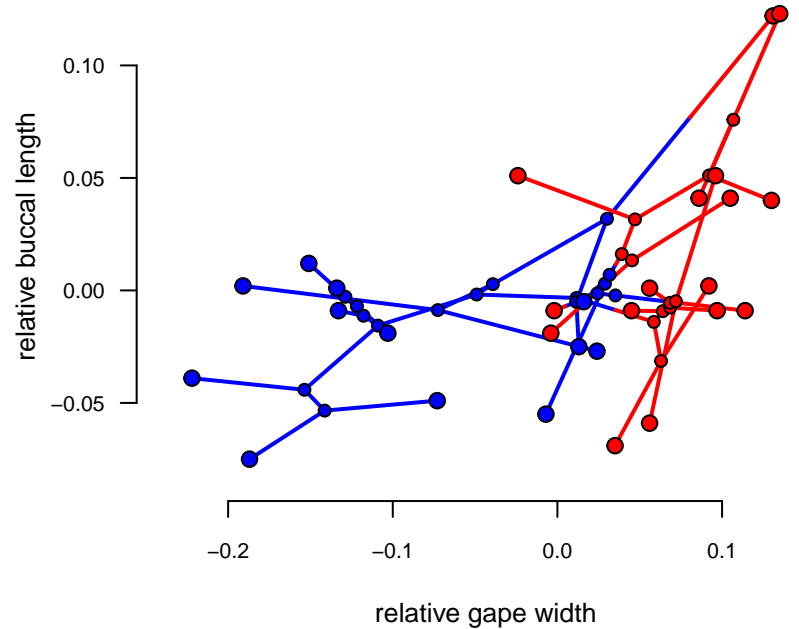


a)



b)



c)

Fitted one-matrix model:

$$R = \begin{bmatrix} 0.114 & 0.033 \\ 0.033 & 0.056 \end{bmatrix}, \quad \log(L) = 72.19$$

Fitted two-matrix model:

$$R_{\text{non-piscivorous}} = \begin{bmatrix} 0.139 & -0.002 \\ -0.002 & 0.012 \end{bmatrix}, \quad R_{\text{piscivorous}} = \begin{bmatrix} 0.076 & 0.080 \\ 0.080 & 0.129 \end{bmatrix}, \quad \log(L) = 81.24$$