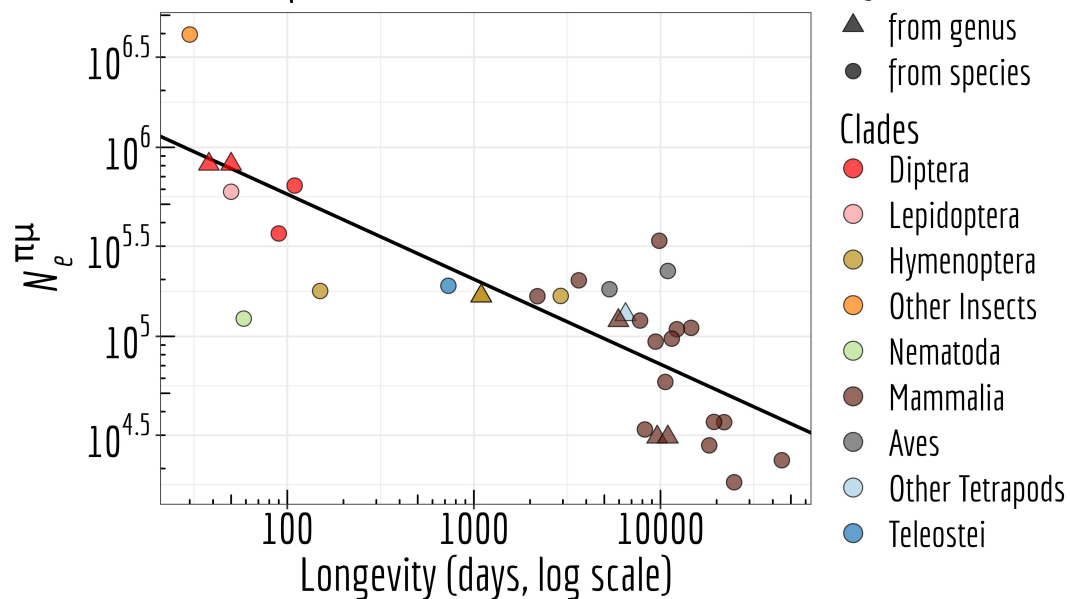
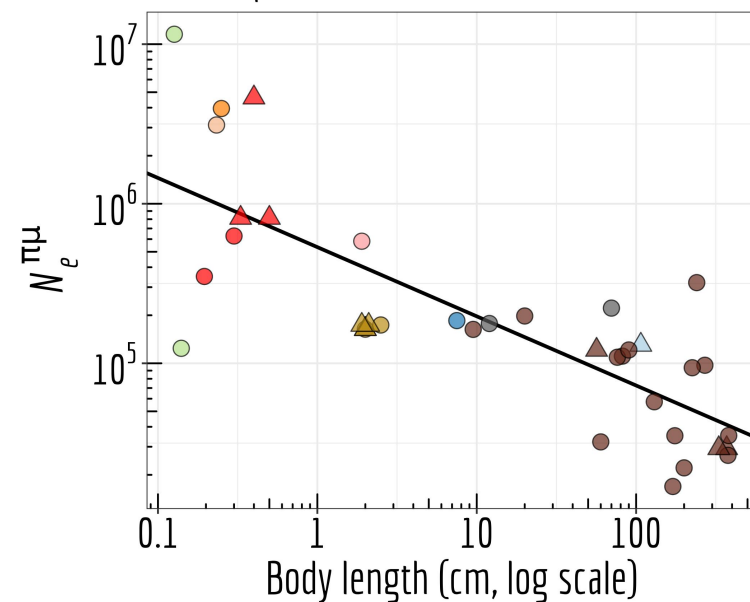


A

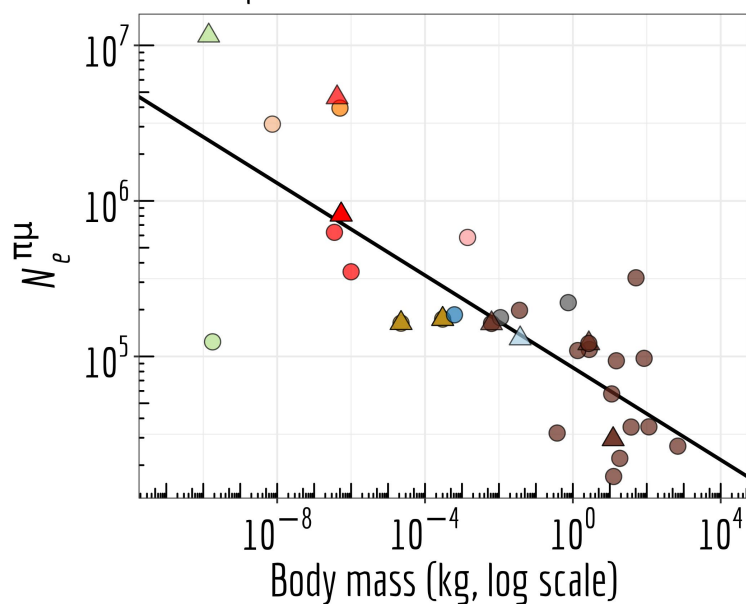
N = 33 species

Pagel's λ : $R^2 = 0.6$, p-value = $1e-07$; LM : $R^2 = 0.64$, p-value = $2e-08$ **B**

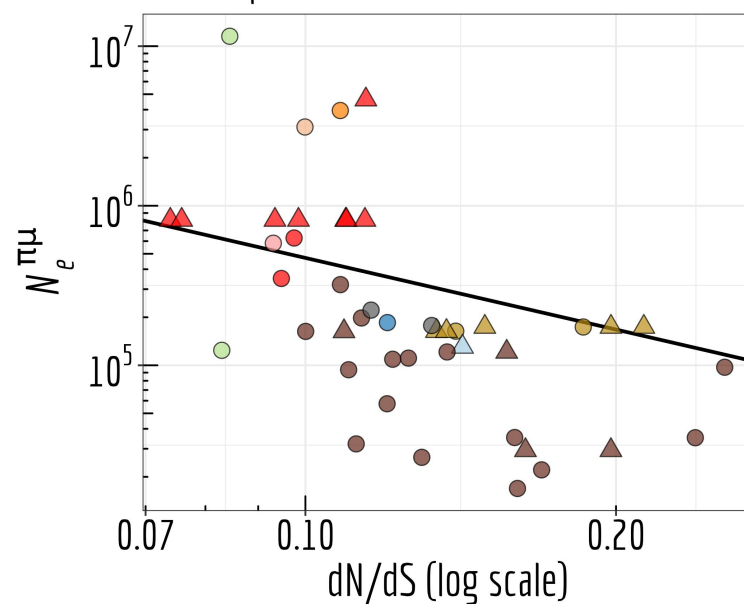
N = 38 species

Pagel's λ : $R^2 = 0.62$, p-value = $4e-09$; LM : $R^2 = 0.62$, p-value = $5e-09$ **C**

N = 45 species

Pagel's λ : $R^2 = 0.65$, p-value = $3e-11$; LM : $R^2 = 0.64$, p-value = $3e-11$ **D**

N = 45 species

Pagel's λ : $R^2 = 0.15$, p-value = $8e-03$; LM : $R^2 = 0.35$, p-value = $2e-05$