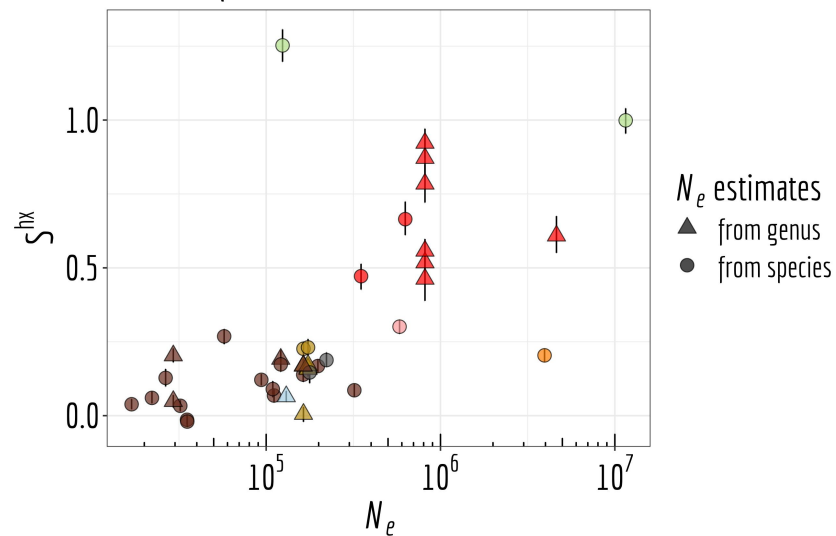
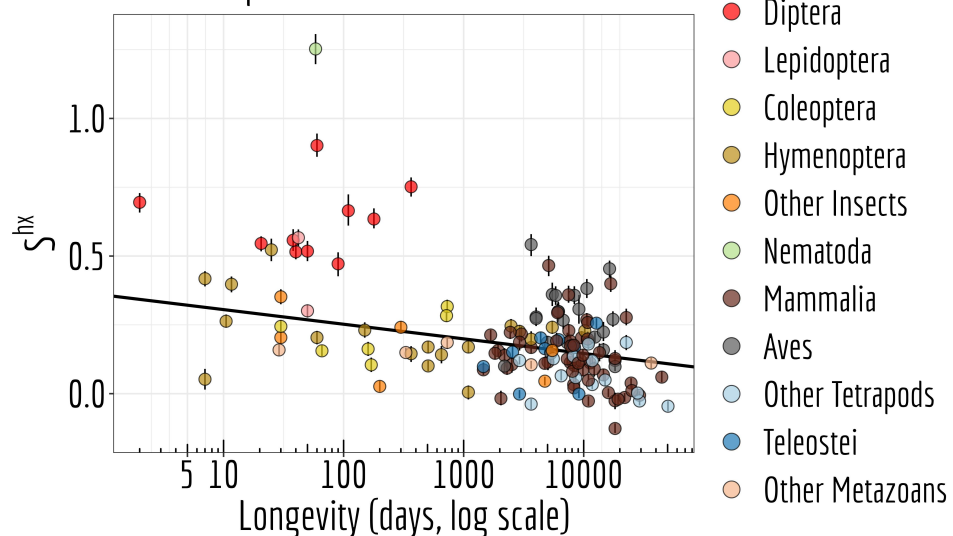


**A**

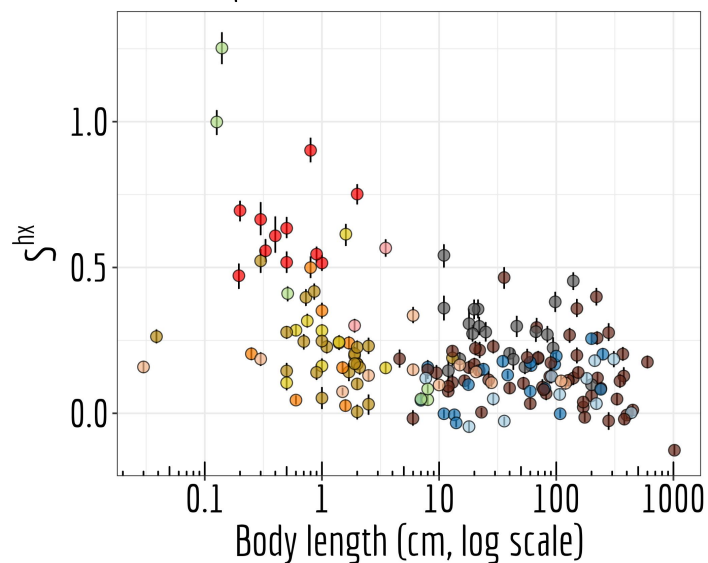
N = 41 species

Pagel's  $\lambda$  :  $R^2 = 0.02$ , p-value =  $4 \times 10^{-1}$ **B**

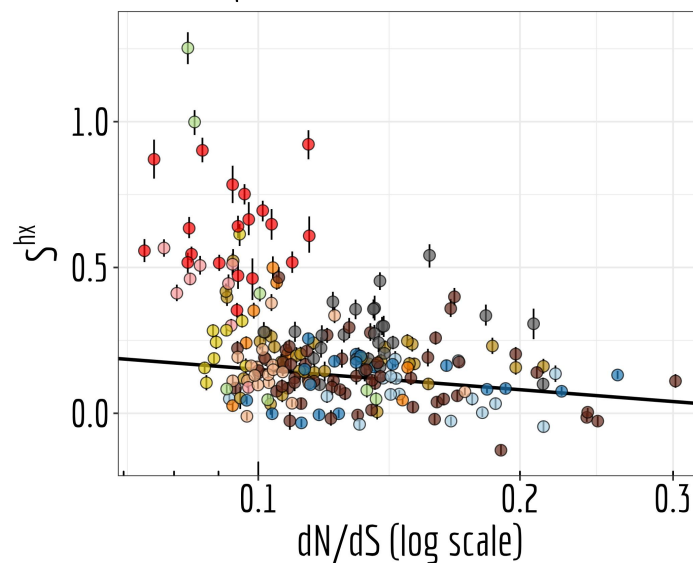
N = 150 species

Pagel's  $\lambda$  :  $R^2 = 0.03$ , p-value =  $2 \times 10^{-2}$ **C**

N = 176 species

Pagel's  $\lambda$  :  $R^2 = 0.01$ , p-value =  $1 \times 10^{-1}$ **D**

N = 223 species

Pagel's  $\lambda$  :  $R^2 = 0.03$ , p-value =  $1 \times 10^{-2}$