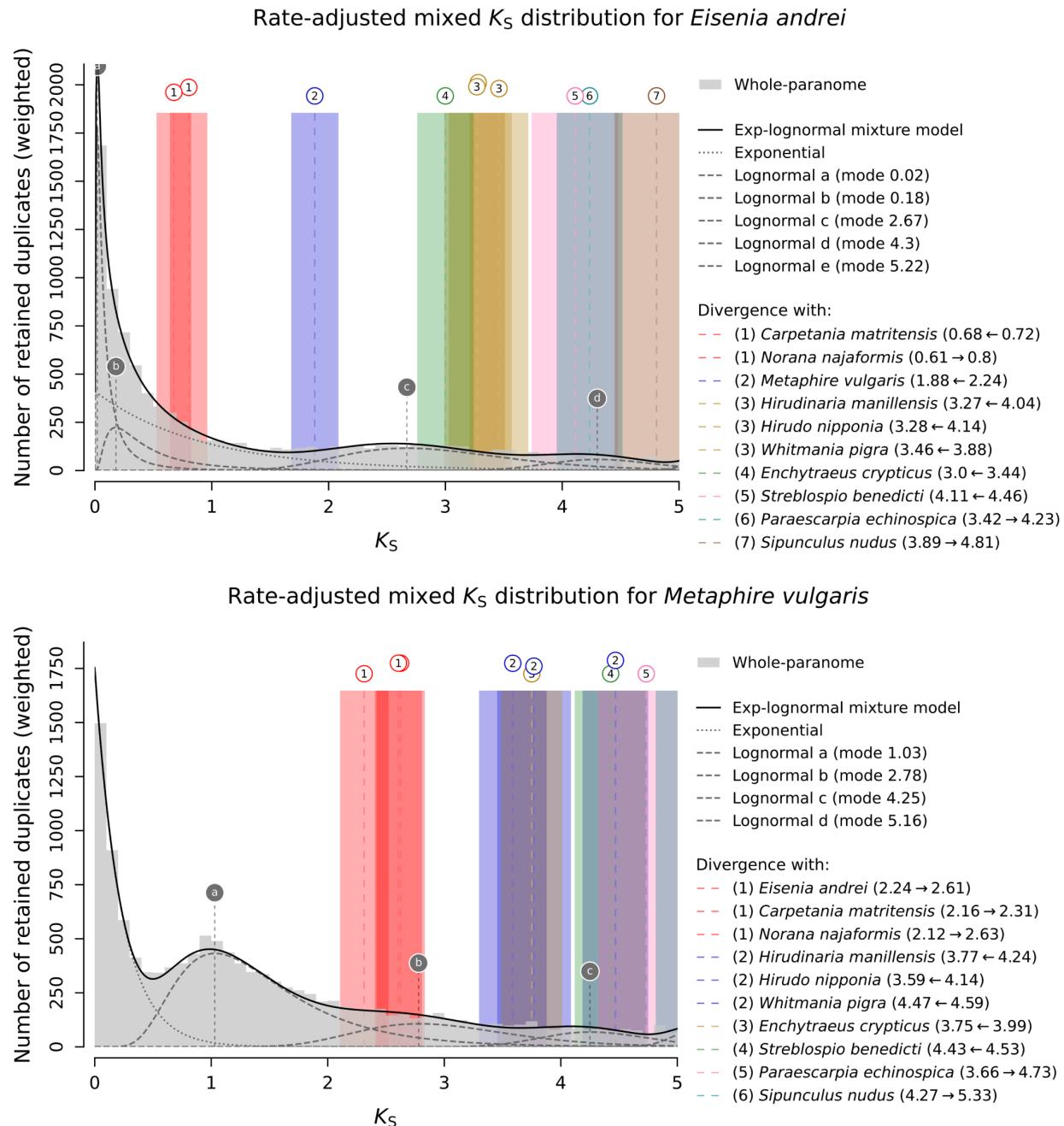
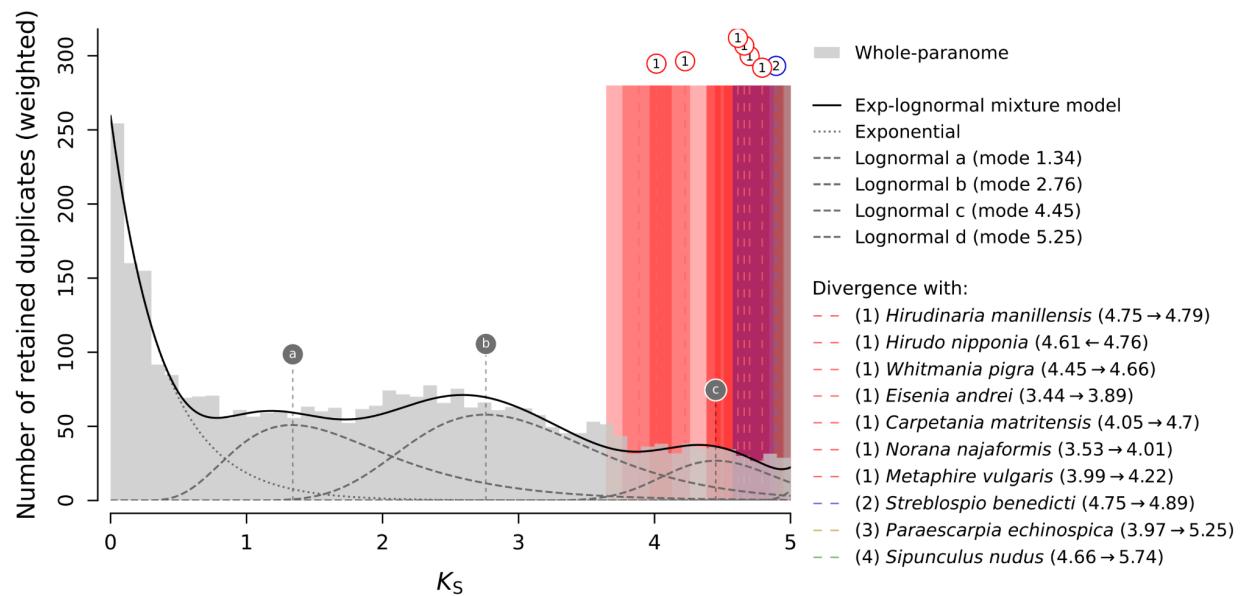


Supplementary Data 1. Substitution-rate-adjusted mixed paralog–ortholog K_s plot for *Eisenia andrei*, *Metaphire vulgaris*, *Hirudinaria manillensis* and *Enchytraeus crypticus*. The inferred putative WGD events are indicated with dashed lines labelled with letters (a, b, c, etc.) corresponding to the K_s -based WGD age estimates. The speciation events calculated using the rate-adjusted mode estimates of the ortholog K_s -distributions between each species and the other species are drawn as long-dashed lines labelled with numbers between 1 and 8 surrounded by coloured boxes ranging from one standard deviation below and above the mean mode estimate. Lines representing the same speciation event share number and colour.



Rate-adjusted mixed K_S distribution for *Enchytraeus crypticus*



Rate-adjusted mixed K_S distribution for *Hirudinaria manillensis*

