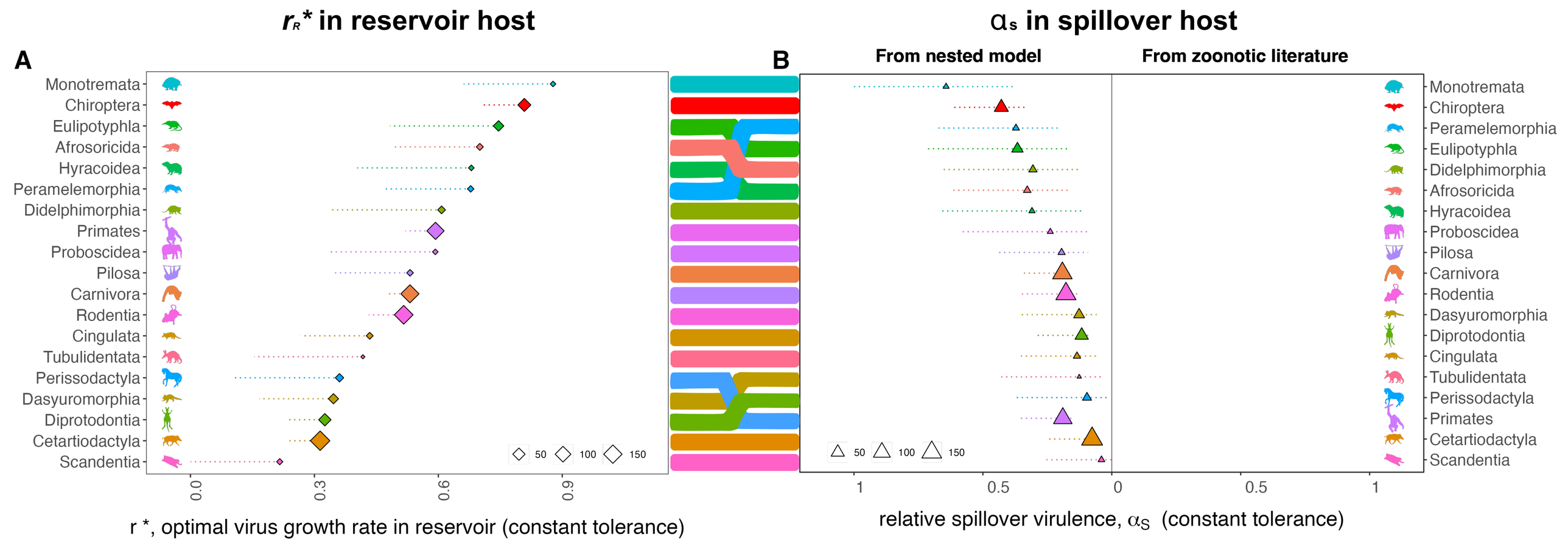
r_R* in reservoir host
α_s in spillover host
A
B
From nested model
From zoonotic literature
Monotremata
Chiroptera
Eulipotyphla
Afrosoricida
Hyracoidea
Peramelemorphia
Didelphimorphia
Primates
Proboscidea
Pilosa
Carnivora
Rodentia
Cingulata
Tubulidentata
Perissodactyla
Dasyuromorphia
Diprotodontia
Cetartiodactyla
Scandentia
50
100
150
0.0
0.3
0.6
0.9
1
0.5
0
0.5
1
r *, optimal virus growth rate in reservoir (constant tolerance)
relative spillover virulence, α_S (constant tolerance)