

Bayesian phylogenetic age estimate (Myr)

60  
50  
40  
30  
20  
10  
0

*Paraptenodytes antarcticus*

*Madrynornis mirandus*  
*Spheniscus muizoni*

*Waimanu manneringi*

*Perudyptes devriesi*

paleontological age (Myr)

0

10

20

30

40

50

60

