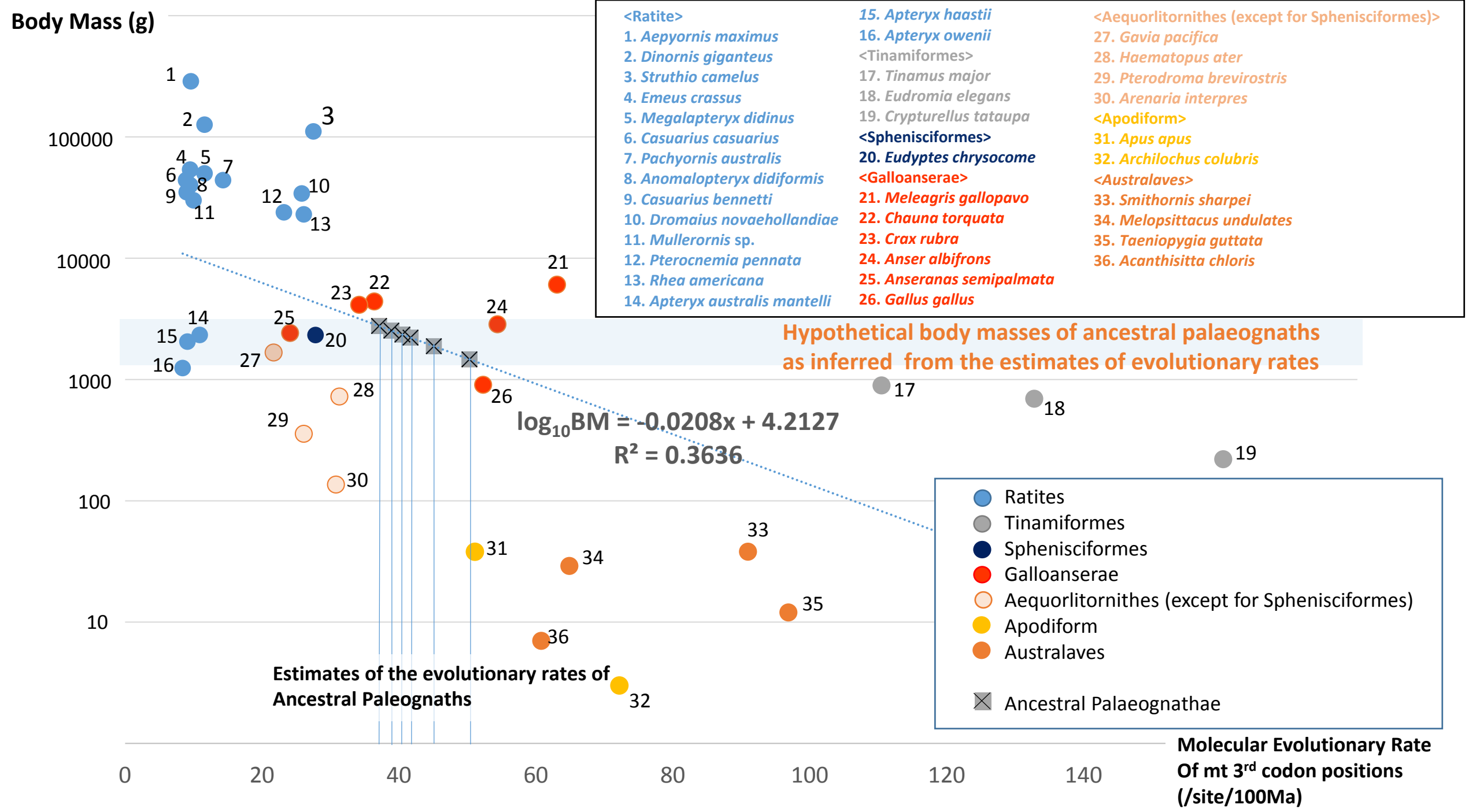
Body Mass (g)
100000
10000
1000
100
10
0
20
40
60
80
100
120
140
Molecular Evolutionary Rate Of mt 3rd codon positions (/site/100Ma)
<Ratite>
1. Aepyornis maximus
2. Dinornis giganteus
3. Struthio camelus
4. Emeus crassus
5. Megalapteryx didinus
6. Casuarius casuarius
7. Pachyornis australis
8. Anomalopteryx didiformis
9. Casuarius bennetti
10. Dromaius novaehollandiae
11. Mullerornis sp.
12. Pterocnemia pennata
13. Rhea americana
14. Apteryx australis mantelli
15. Apteryx haastii
16. Apteryx owenii
<Tinamiformes>
17. Tinamus major
18. Eudromia elegans
19. Crypturellus tataupa
<Sphenisciformes>
20. Eudyptes chrysocome
<Galloanserae>
21. Meleagris gallopavo
22. Chauna torquata
23. Crax rubra
24. Anser albifrons
25. Anseranas semipalmata
26. Gallus gallus
<Aequorlitornithes (except for Sphenisciformes)>
27. Gavia pacifica
28. Haematopus ater
29. Pterodroma brevirostris
30. Arenaria interpres
<Apodiform>
31. Apus apus
32. Archilochus colubris
<Australaves>
33. Smithornis sharpei
34. Melopsittacus undulates
35. Taeniopygia guttata
36. Acanthisitta chloris
Hypothetical body masses of ancestral palaeognaths as inferred from the estimates of evolutionary rates
log10BM = -0.0208x + 4.2127
R² = 0.3636
Estimates of the evolutionary rates of Ancestral Paleognaths
Ratites
Tinamiformes
Sphenisciformes
Galloanserae
Aequorlitornithes (except for Sphenisciformes)
Apodiform
Australaves
Ancestral Palaeognathae