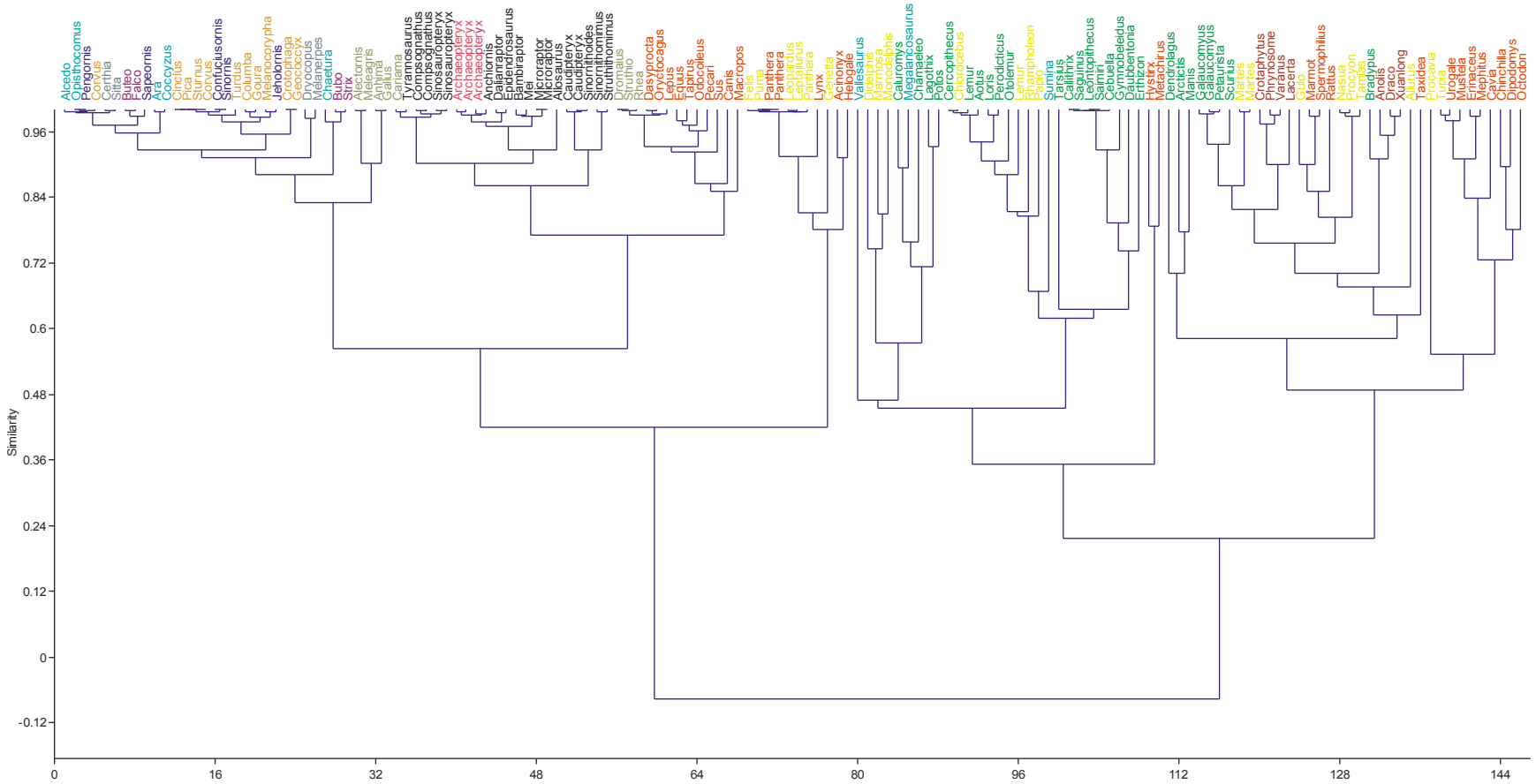
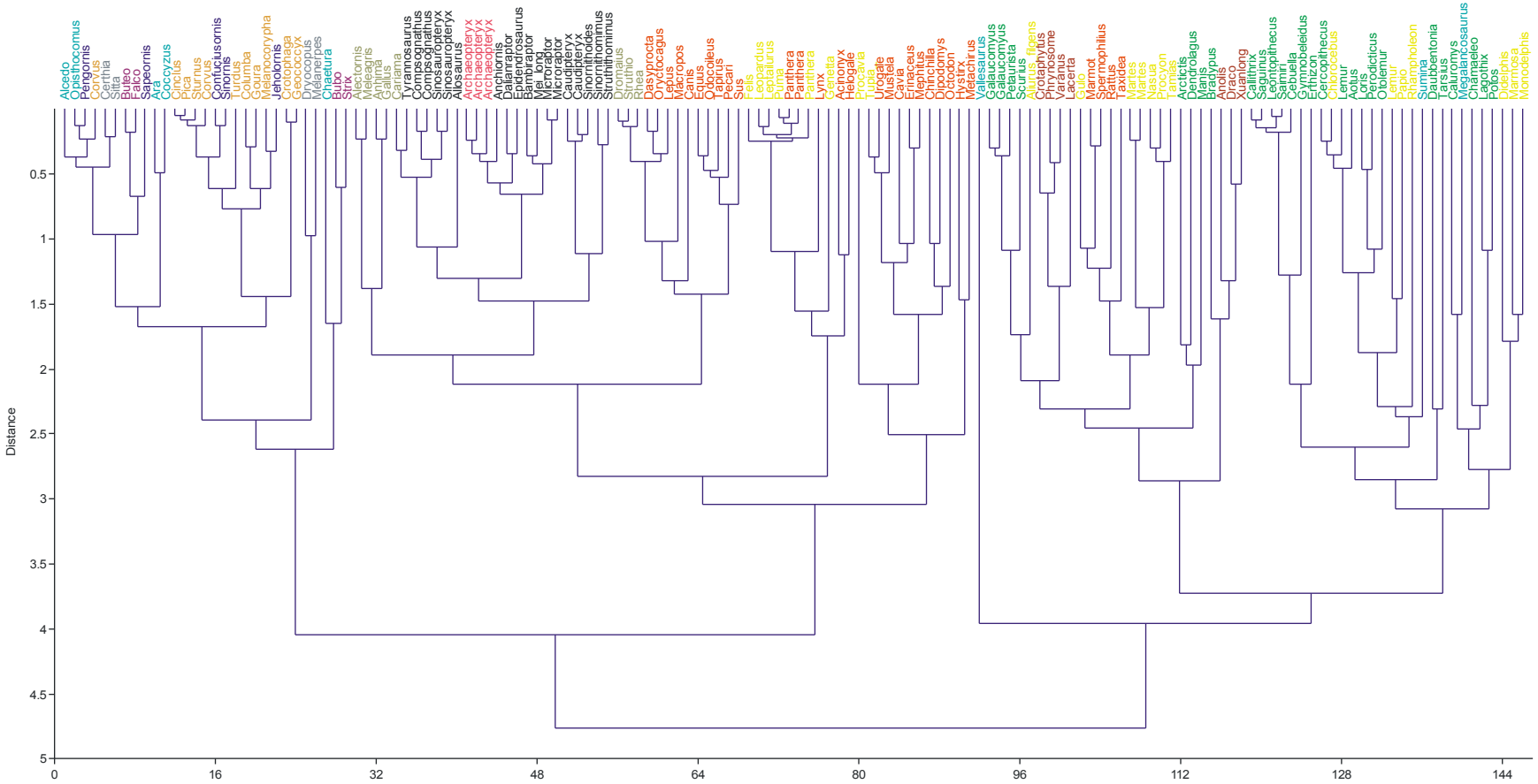
A)


Similarity
0.96
0.84
0.72
0.6
0.48
0.36
0.24
0.12
0
-0.12
0
16
32
48
64
80
96
112
128
144

B)


Alcedo
Opisthocomus
Pengornis
Coracias
Certhia
Sitta
Buteo
Falco
Sapeornis
Aves
Coccyzus
Cinclus
Pica
Sturnus
Corvus
Confuciusornis
Sinornis
Turdus
Columba
Gallus
Melanocorypha
Jehol ornis
Crotophaga
Geococcyx
Dromaeus
Malaconotus
Chaetura
Bubo
Strix
Alectornis
Meleagris
Anhima
Gallus
Cariama
Tyrannosaurus
Compsognathus
Compsognathus
Sinosauropteryx
Sinosauropteryx
Albosaurus
Archaeopteryx
Archaeopteryx
Archaeopteryx
Archaeopteryx
Anchiornis
Dalianraptor
Epidendrosaurus
Epidendrosaurus
Eosinopteryx
Mei long
Microraptor
Microraptor
Caudipteryx
Caudipteryx
Caudipteryx
Sinornithoides
Sinornithomimus
Sinornithomimus
Struthiomimus
Dromaius
Struthio
Struthio
Sheep
Dasyprocta
Oryctocagus
Lepus
Macropos
Canis
Equus
Odocoileus
Tapirus
Sacari
Felis
Felis
Leopardus
Leptailurus
Panthera
Panthera
Panthera
Panthera
Panthera
Lynx
Genetta
Acinonyx
Acinonyx
Acrogale
Procavia
Tupia
Urogale
Mustela
Cryptoprocta
Erinaceus
Mephitus
Chinchilla
Dipodomys
Dipodomys
Oryctolagus
Hystrix
Metachirus
Vallesaurus
Galaucomyus
Galaucomyus
Galaucomyus
Pteromyscus
Sciurus
Sciurus
Aturus flagens
Crotaphytus
Chrysosome
Varanus
Lacerta
Gulo
Marmot
Spermophilus
Tamias
Taxidea
Martes
Martes
Martes
Nasua
Procyon
Procyon
Erinaceus
Arctictis
Dendrolagus
Manis
Bradypus
Anolis
Draco
Xuanlong
Calithrix
Saguinus
Saguinus
Leontopithecus
Saimiri
Cebuella
Gymnobelaidus
Erthizon
Cercopithecus
Cercocebus
Lemur
Aotus
Loris
Perodicticus
Otolemur
Lemur
Papio
Rhampholeon
Sumpa
Dryophentonia
Tarsius
Caluromys
Megalancosaurus
Chamaeleo
Lagothrix
Pots
Didelphis
Marmosa
Monodelphis
Distance
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
0
16
32
48
64
80
96
112
128
144