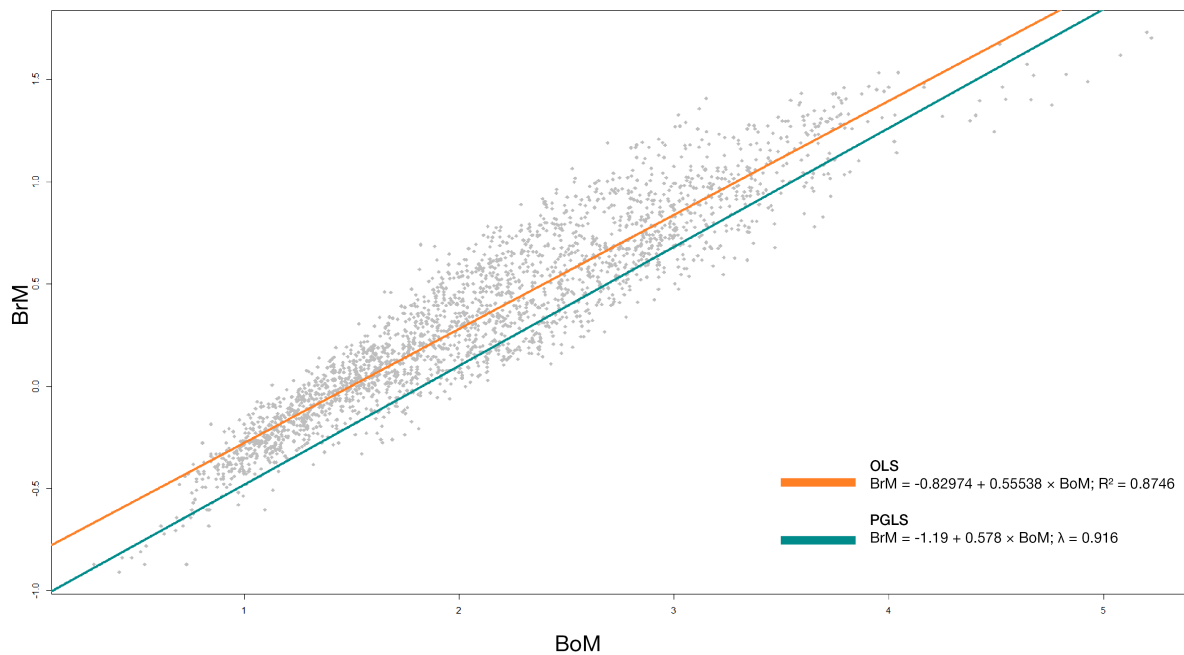


8. PŘÍLOHY

PŘÍLOHA 1. SROVNÁNÍ REGRESNÍHO VZTAHU BEZ (OLS) A S POUŽITÍM FYLOGENETICKÉ KOREKCE (PGLS)

Porovnání regresních vztahů s použitím OLS vs. PGLS



PŘÍLOHA 2. ZOBRAZENÍ REGRESNÍCH VZTAHŮ PRO JEDNOTLIVÉ ŘÁDY

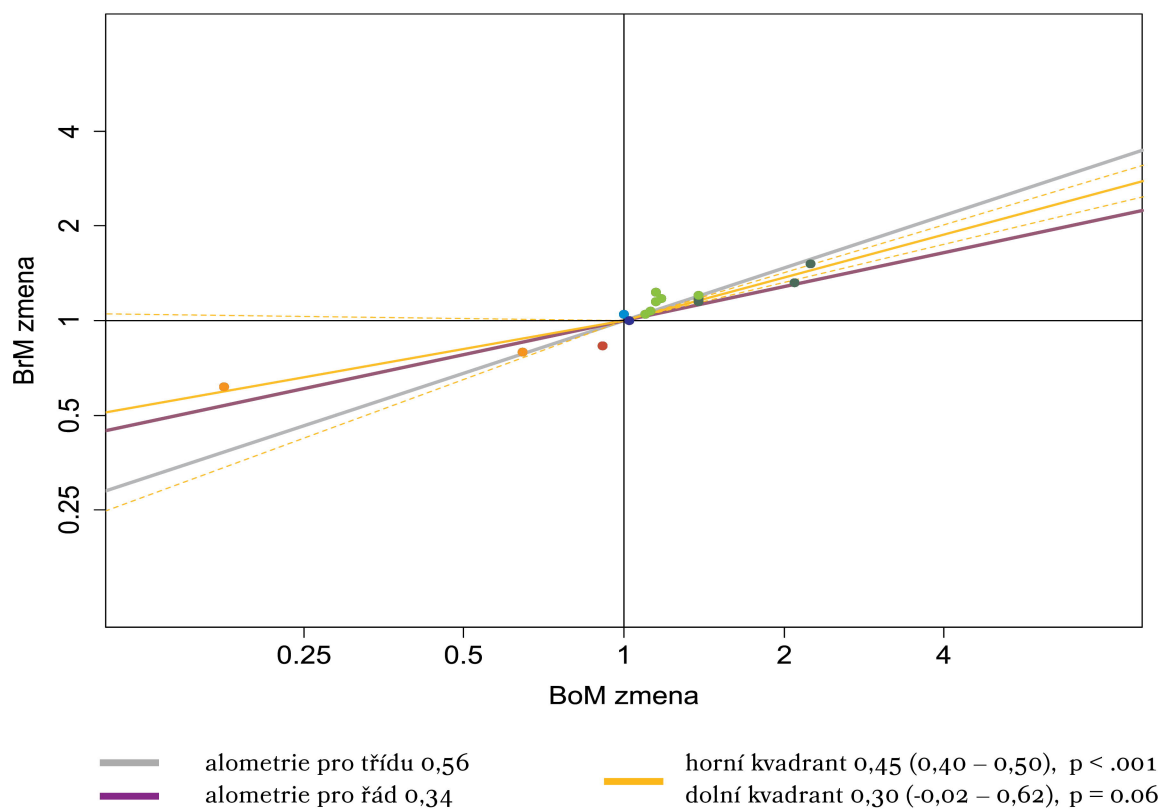
řád	Intercept	p.hodnota	sklon přímky	p.hodnota	R ²
ACCIPITRIFORMES (99)	-0,60	0,00	0,51	0,00	87 %
ANSERIFORMES (130)	-0,79	0,00	0,51	0,00	89 %
APODIFORMES (37)	-1,12	0,00	0,62	0,00	96 %
BUCEROTIFORMES (29)	-0,88	0,00	0,63	0,00	93 %
CAPRIMULGIFORMES (19)	-1,14	0,00	0,63	0,00	80 %
CHARADRIIFORMES (213)	-1,13	0,00	0,64	0,00	94 %
CICONIIFORMES (14)	-0,85	0,00	0,59	0,00	83 %
COLUMBIFORMES (122)	-1,02	0,00	0,54	0,00	94 %
CORACIIFORMES (37)	-0,98	0,00	0,62	0,00	95 %
CUCULIFORMES (71)	-1,14	0,00	0,72	0,00	93 %
DINORNITHIFORMES (6)	-1,00	0,06	0,52	0,00	84 %
FALCONIFORMES (29)	-0,75	0,00	0,56	0,00	97 %
GALLIFORMES (72)	-1,03	0,00	0,54	0,00	91 %
GRUIFORMES (51)	-1,06	0,00	0,60	0,00	96 %
MUSOPHAGIFORMES (9)	-0,69	0,01	0,50	0,00	79 %
OTIDIFORMES (7)	-0,76	0,02	0,47	0,00	85 %
PASSERIFORMES (873)	-1,02	0,00	0,71	0,00	94 %
PELECANIFORMES (58)	-1,11	0,00	0,65	0,00	92 %
PICIFORMES (105)	-1,07	0,00	0,72	0,00	84 %
PODICIPEDIFORMES (11)	-0,84	0,00	0,47	0,00	89 %
PROCELLARIIFORMES (37)	-1,14	0,00	0,68	0,00	98 %
PSITTACIFORMES (193)	-0,87	0,00	0,70	0,00	94 %
PTEROCLIDIFORMES (5)	-1,07	0,02	0,52	0,01	75 %
SPHENISCIFORMES (10)	-0,58	0,00	0,50	0,00	96 %
STRIGIFORMES (50)	-0,58	0,00	0,55	0,00	92 %
STRUTHIONIFORMES (7)	-0,19	0,24	0,36	0,00	94 %
SULIFORMES (19)	-0,90	0,11	0,56	0,00	37 %
TINAMIFORMES (7)	-0,88	0,03	0,47	0,01	69 %
TROGONIFORMES (11)	-0,67	0,00	0,47	0,00	77 %

PŘÍLOHA 3. KOMPLETNÍ SOUBOR GRAFŮ ANALÝZY ZMĚN VE VELIKOSTI TĚLA A MOZKU PRO JEDNOTLIVÉ ŘÁDY

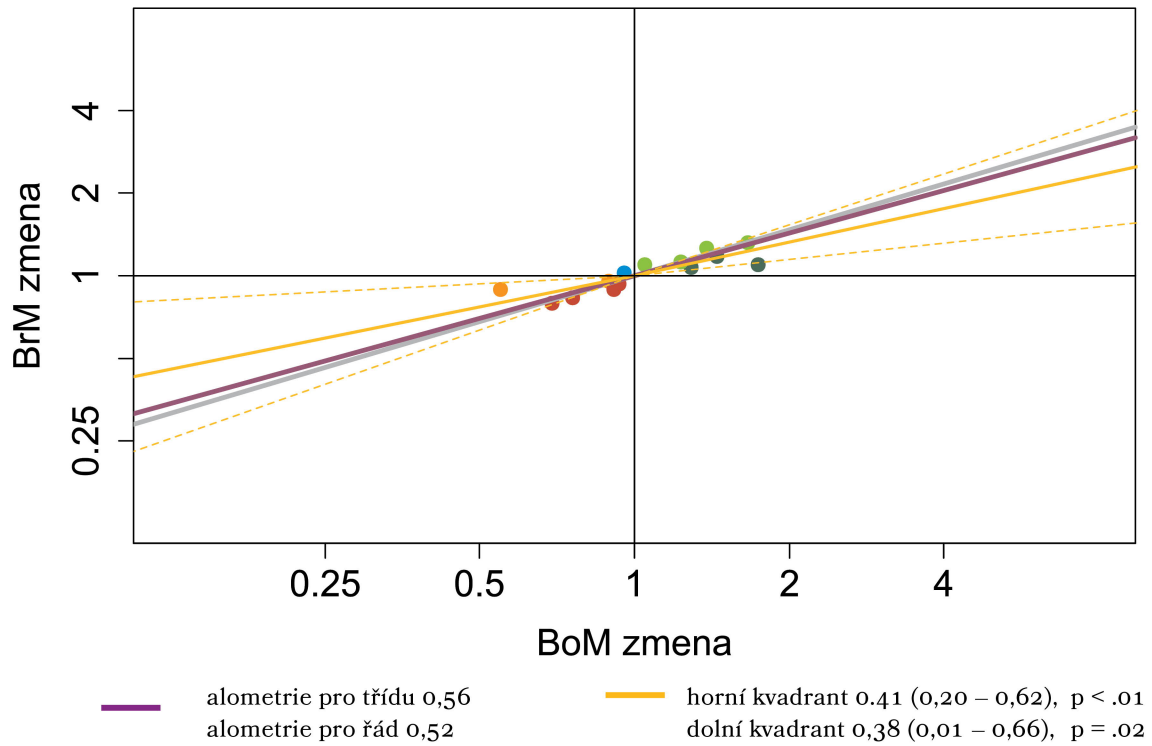
Změna ve velikosti těla (osa x) a velikosti mozku (osa y). Šedá linie reprezentuje alometrický vztah odvozený z regresní přímky pro logaritmované hmotnosti těla a mozku pro recentní druhy ptáků, fialová linie reprezentuje alometrický vztah odvozený jen na úrovni řádu, žluté linie reprezentují regresní přímky pro kvadranty spolu s konfidenčními intervaly (šrafovaně). Barvy odpovídají šesti různým scénářům evoluce obou znaků „zrychlené zvětšení mozku, RV“; „zpomalené zvětšení mozku, PV“; „nezávislé zvětšení mozku, NV“; „zpomalené zmenšení, PM“; „zrychlené zmenšení, RM“ a „nezávislému zmenšení, NM“.

Paleognathae

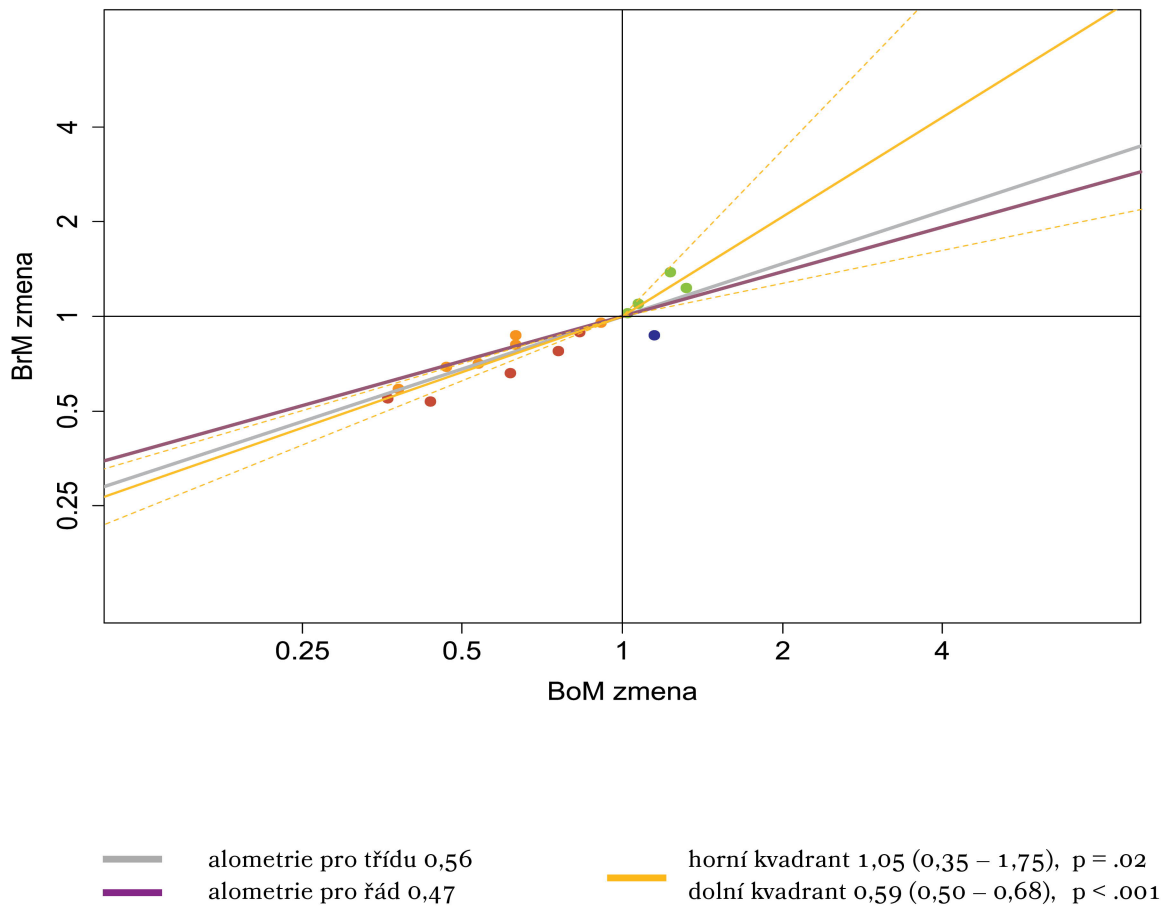
Struthioniformes



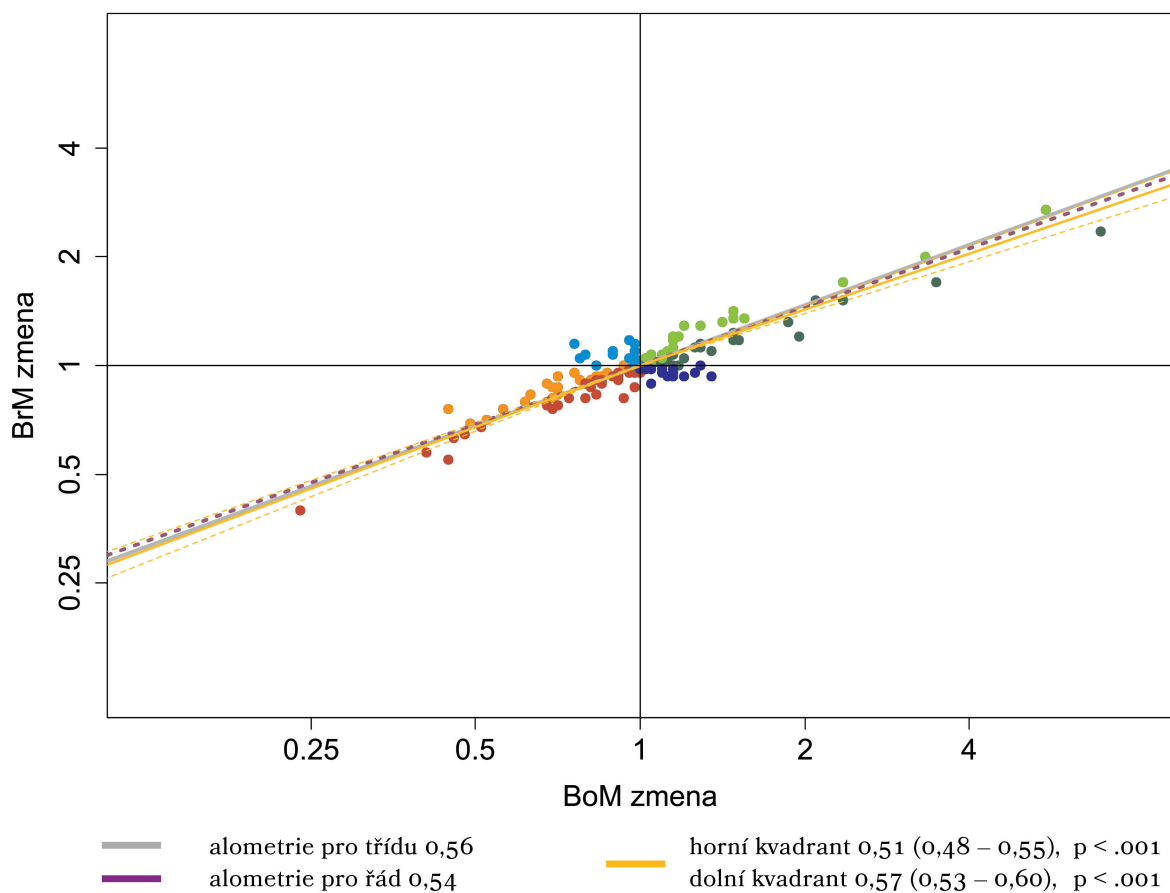
Dinornithiformes



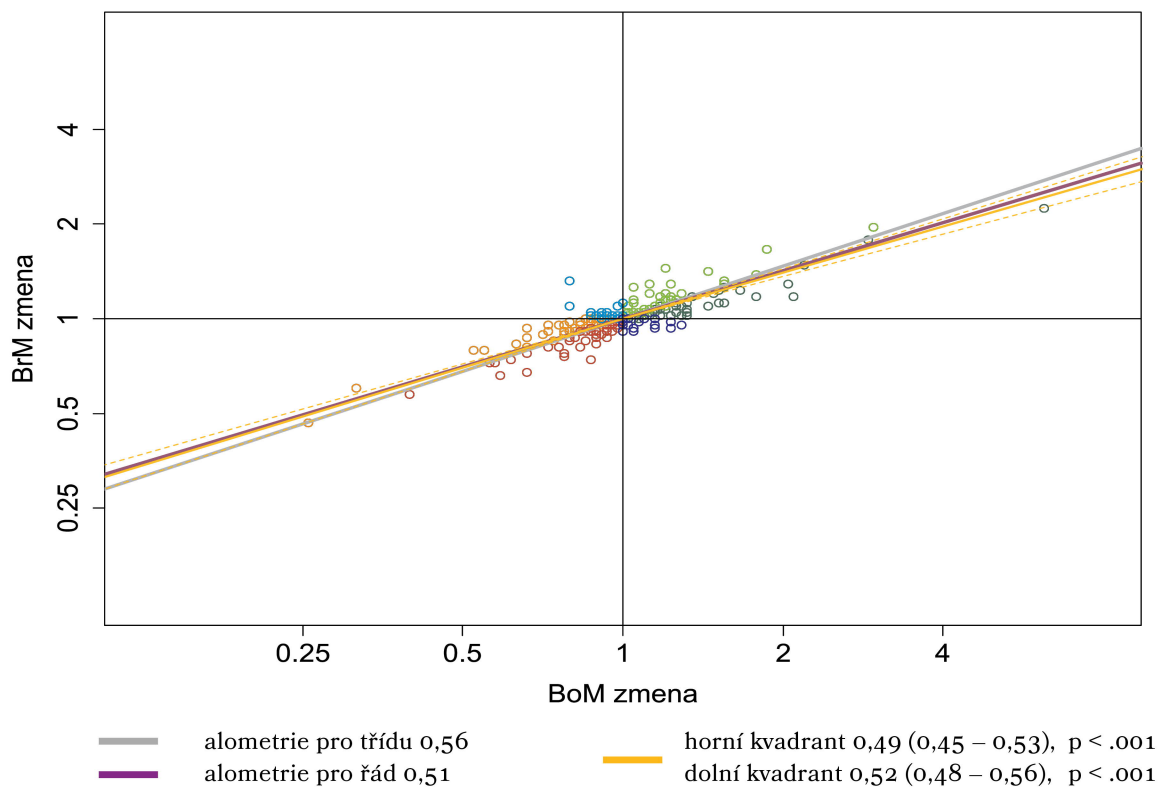
Tinamiformes



Galliformes



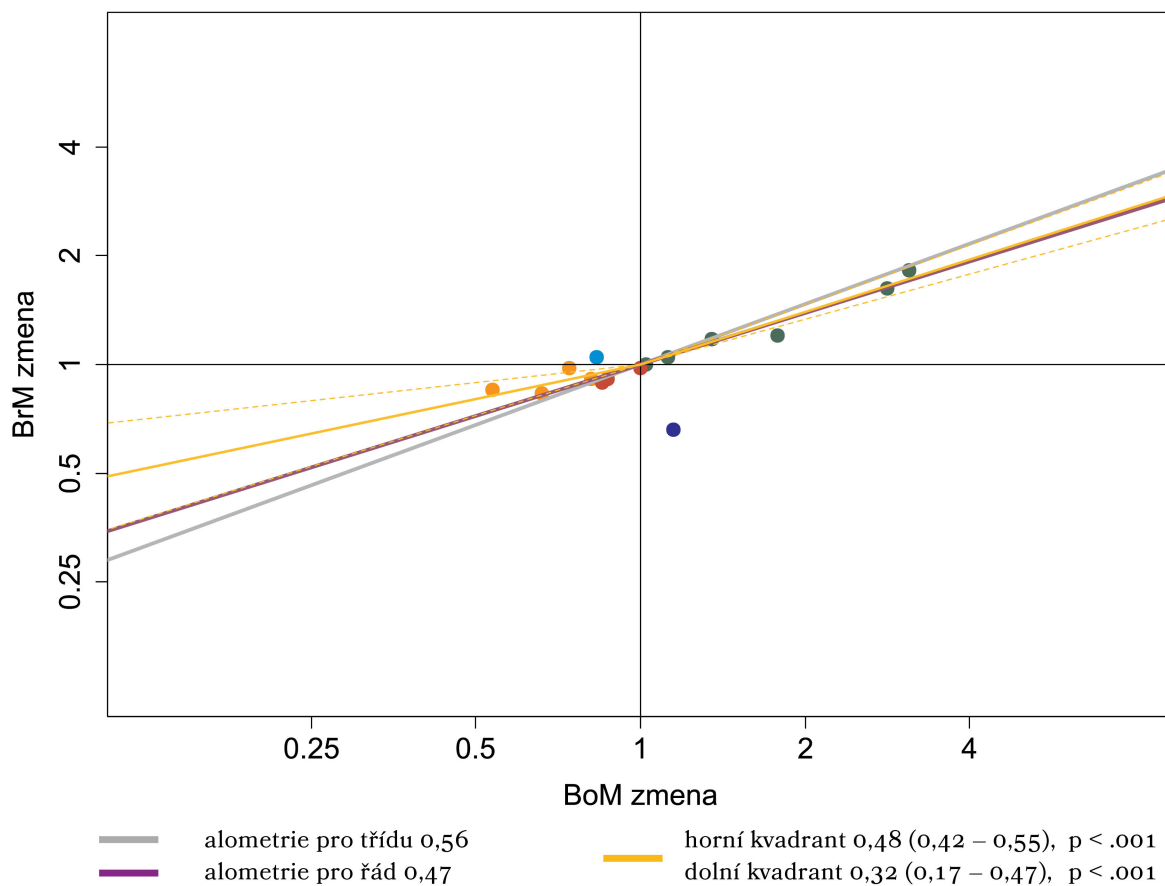
Anseriformes



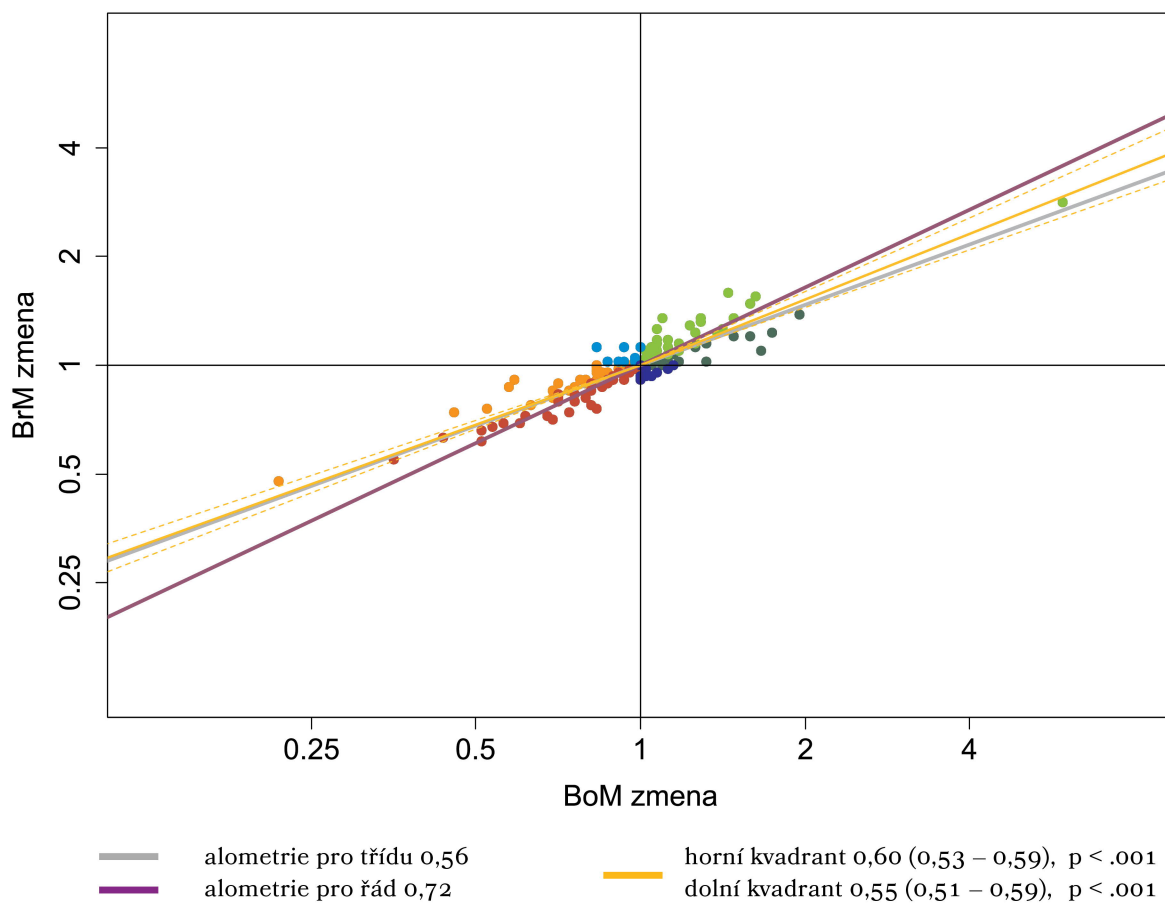
Anseri

Otidimorphae

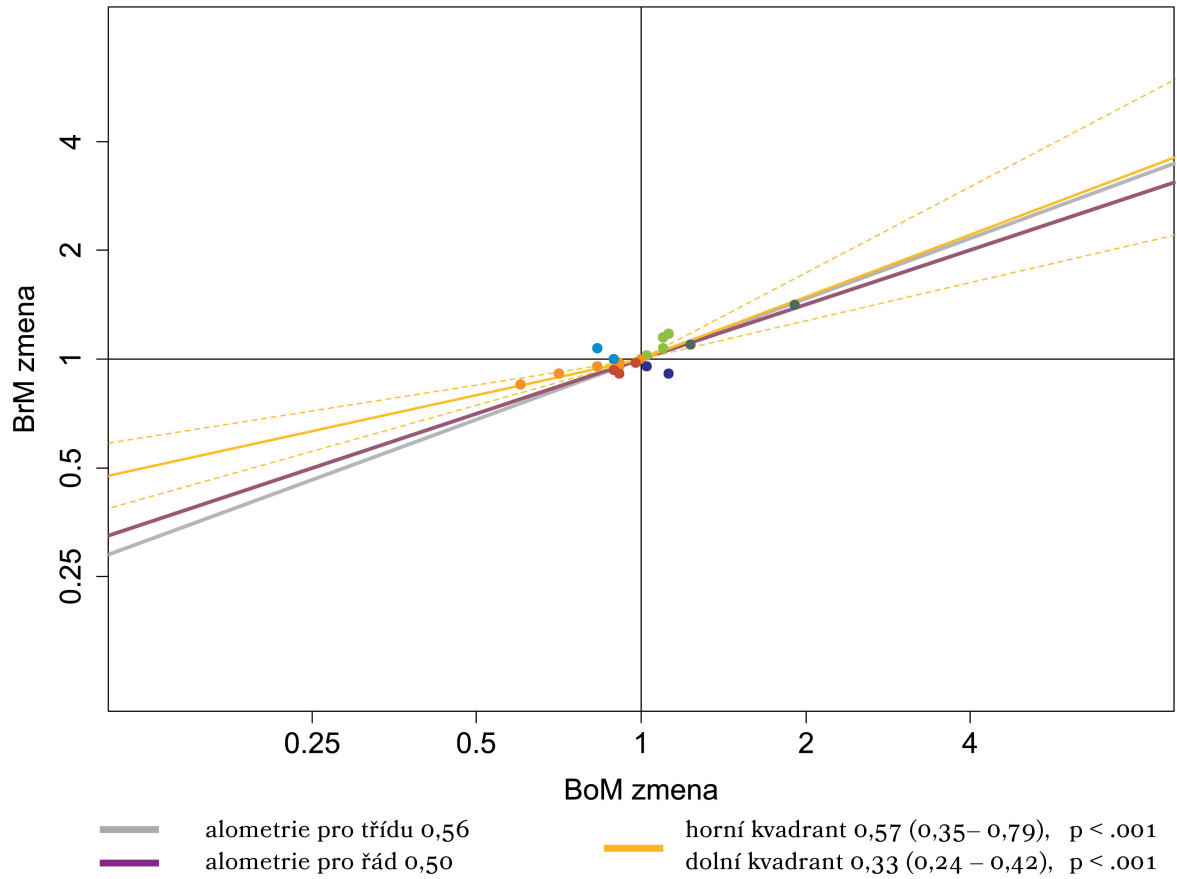
Otidiformes



Cuculiformes

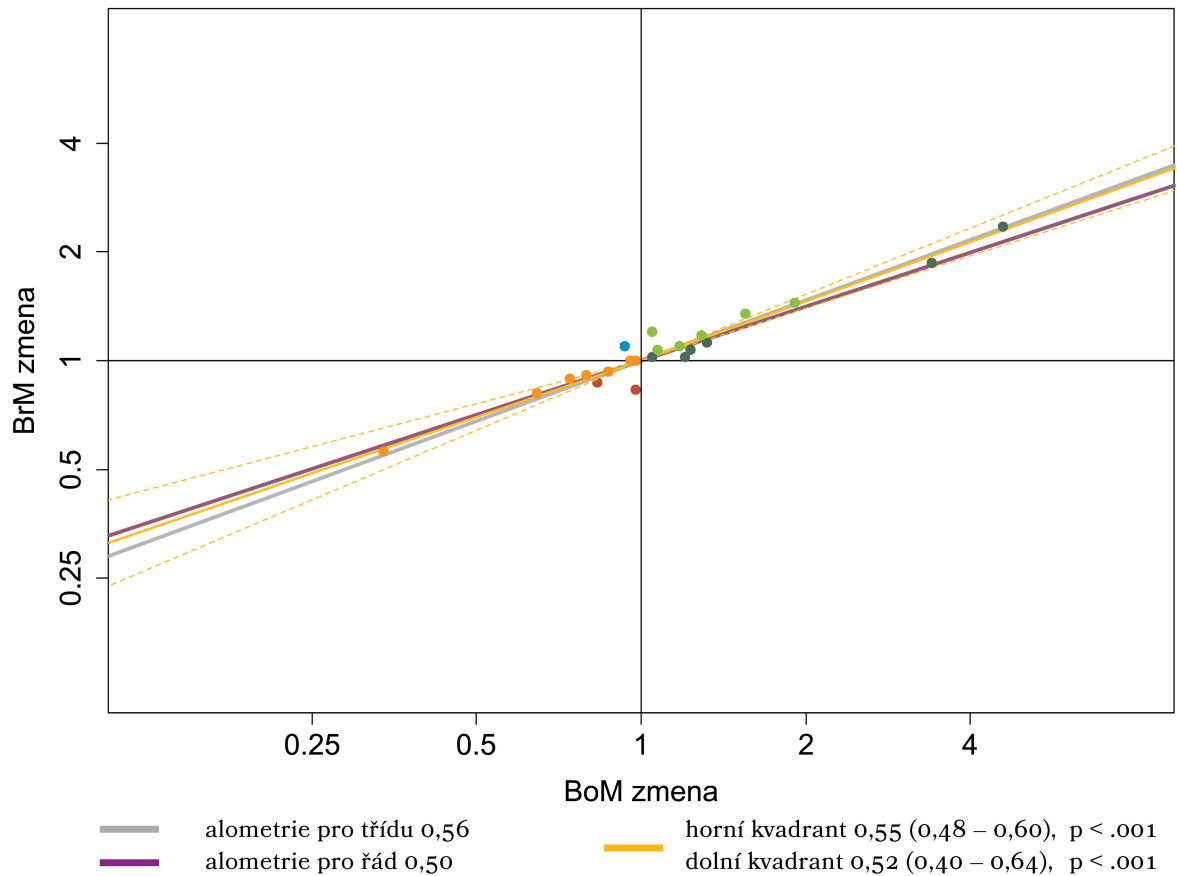


Musophagiformes

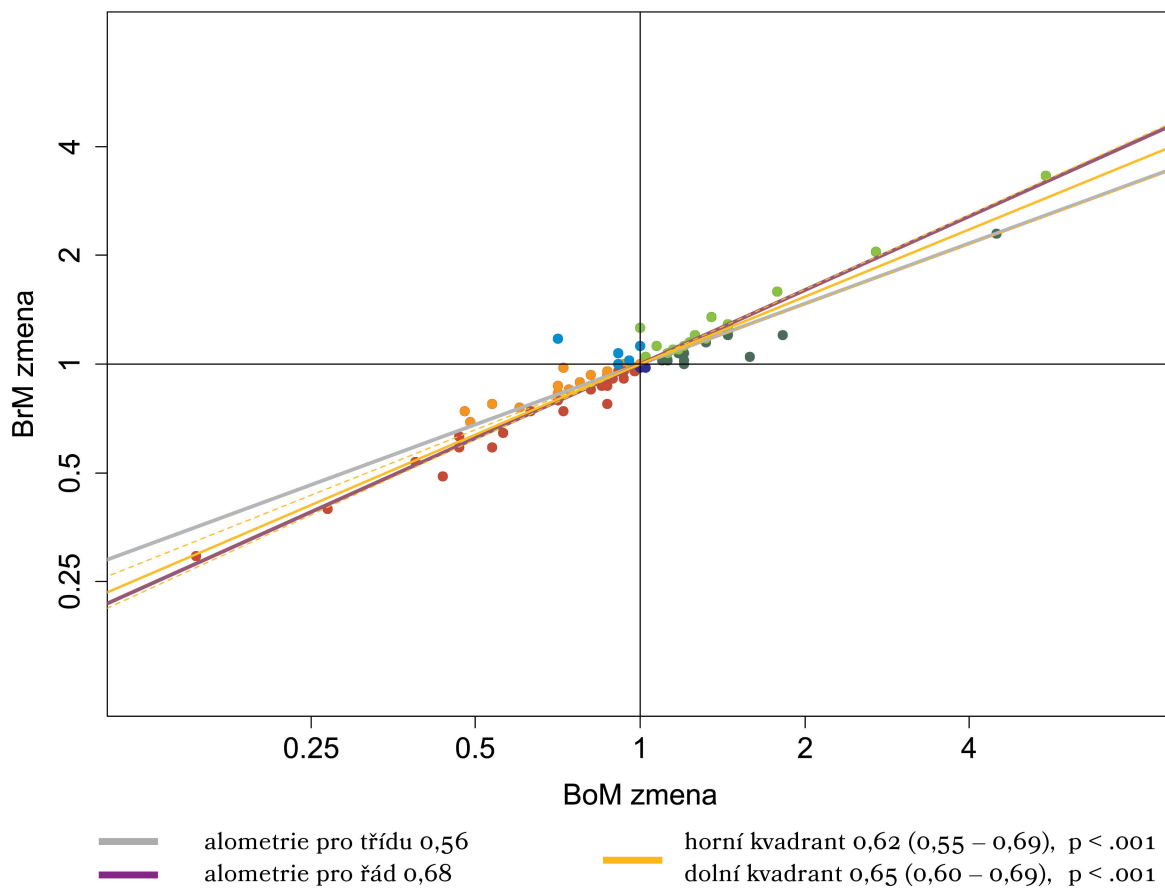


Aequornithes

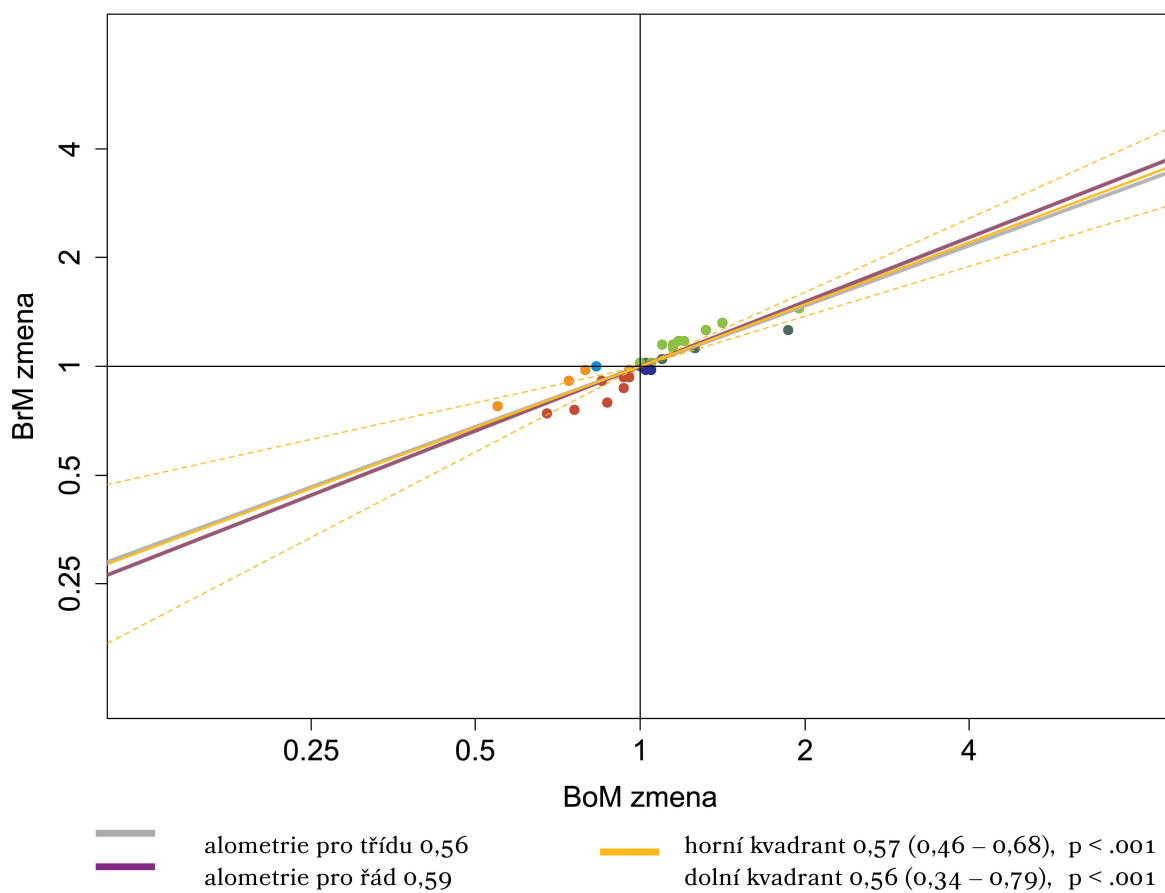
Sphenisciformes



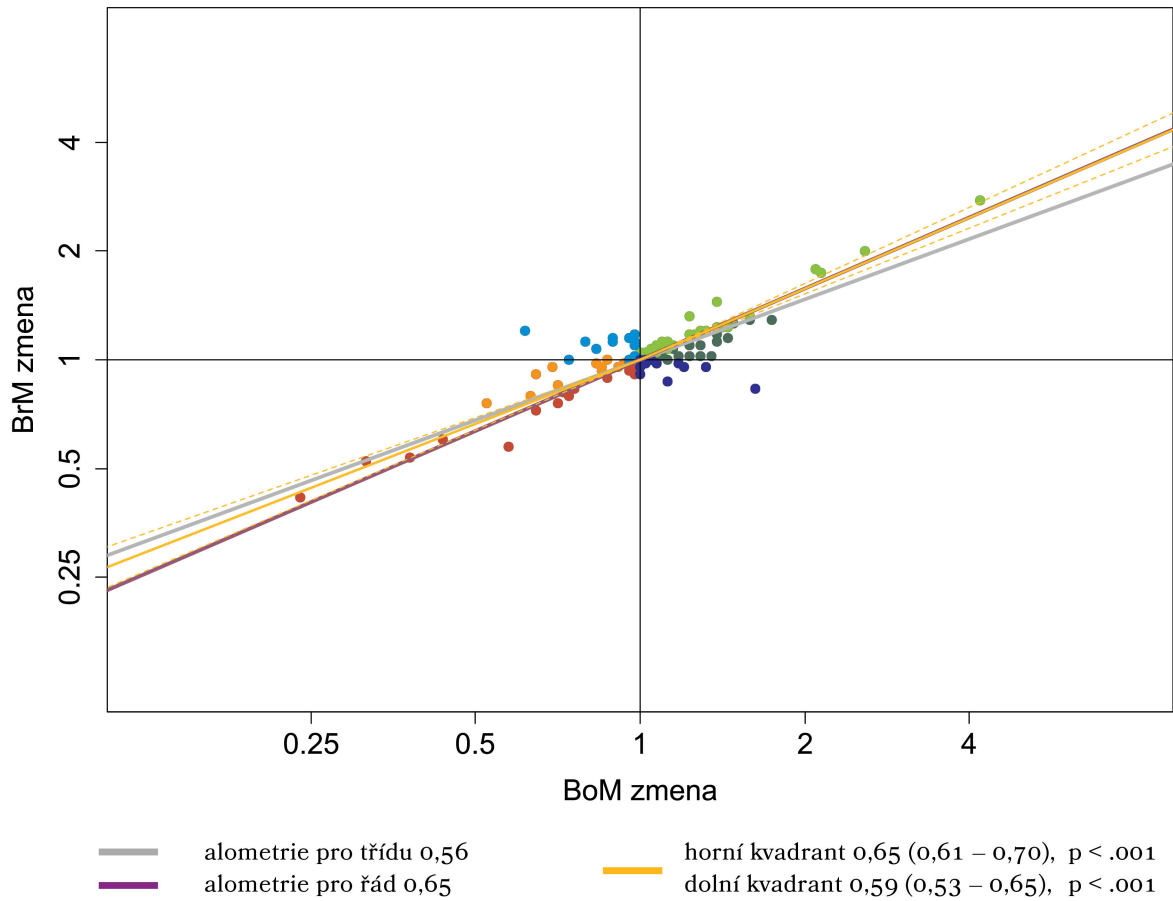
Procellariiformes



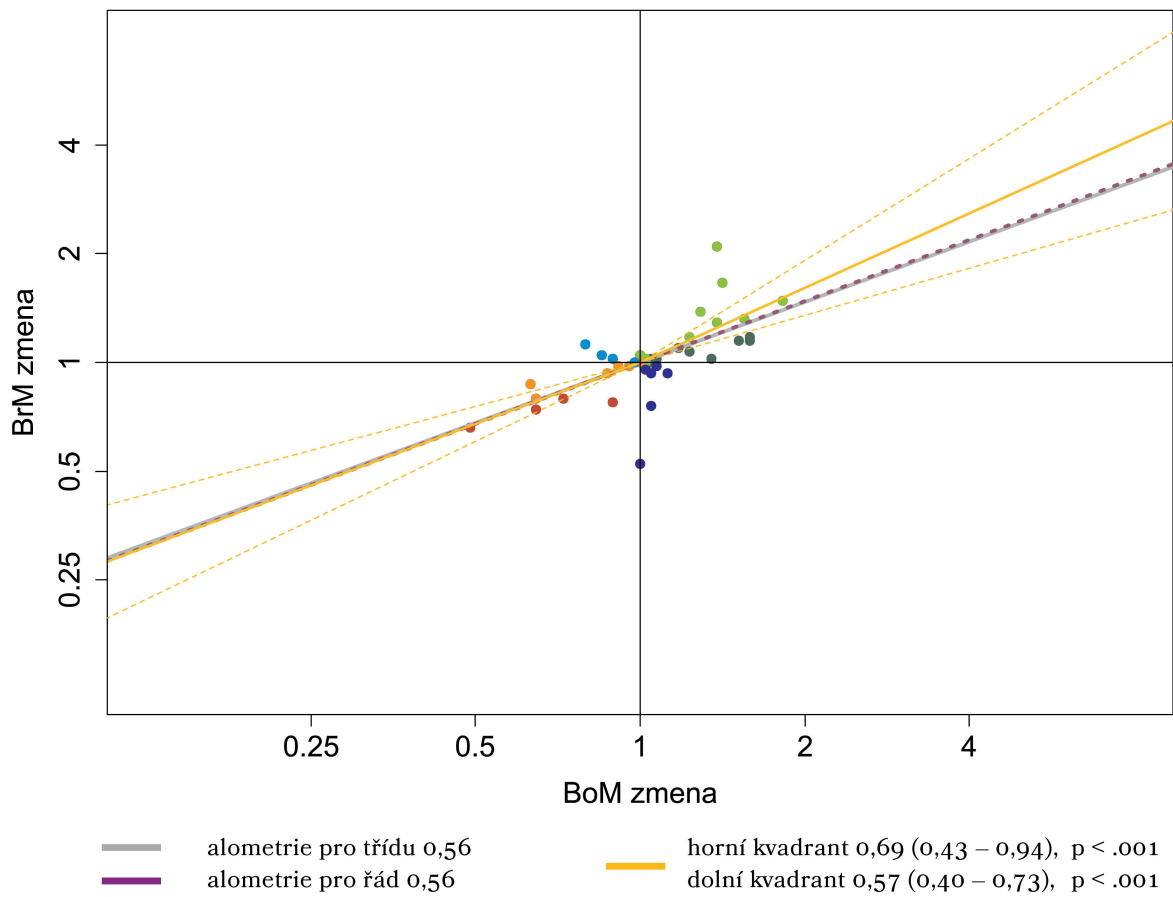
Ciconiiformes



Pelecyaniformes

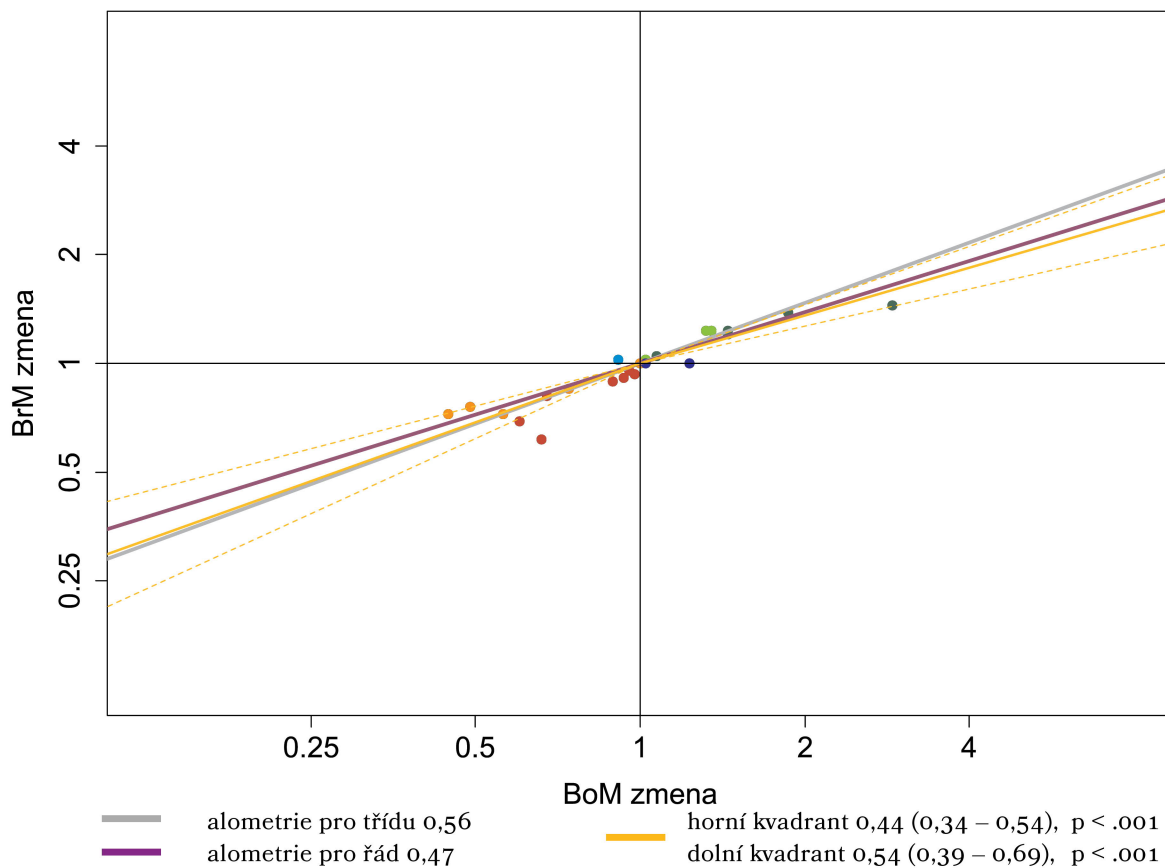


Suliformes



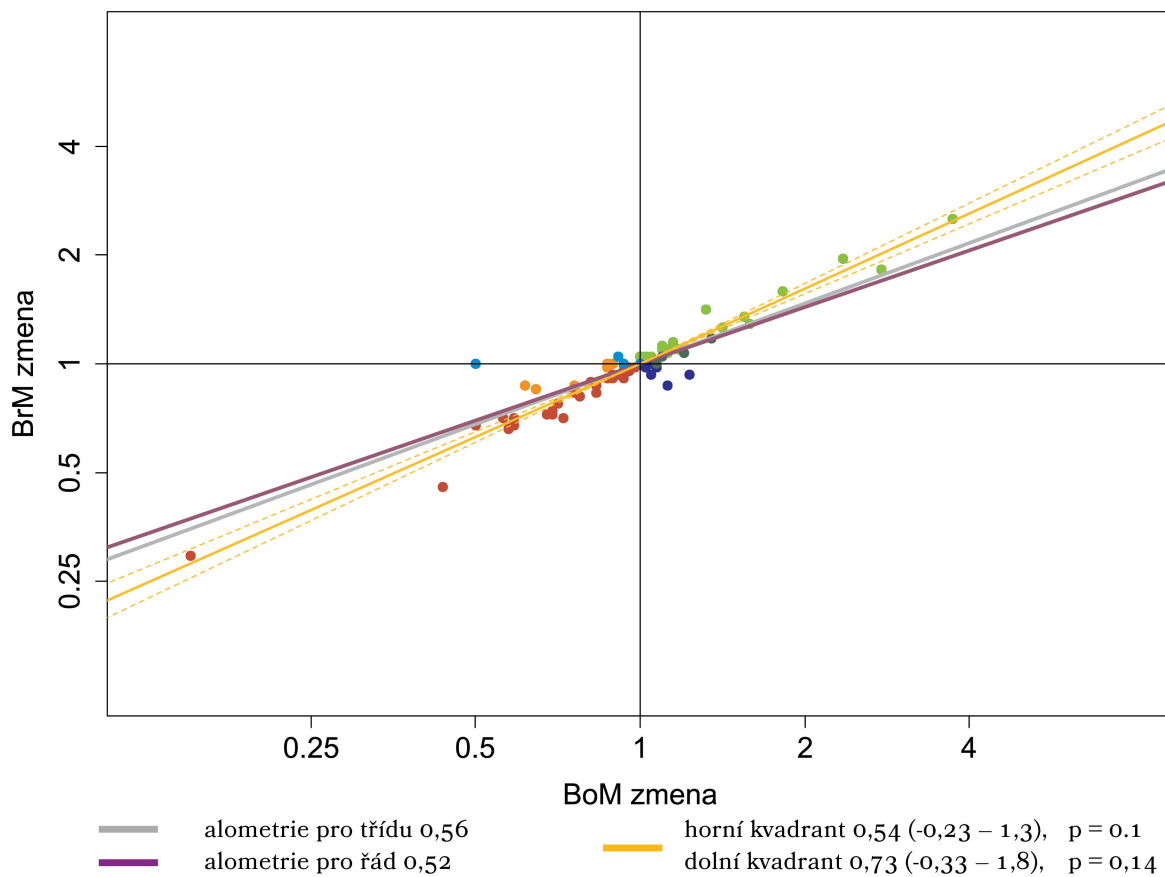
Mirandornithes

Podicipediformes

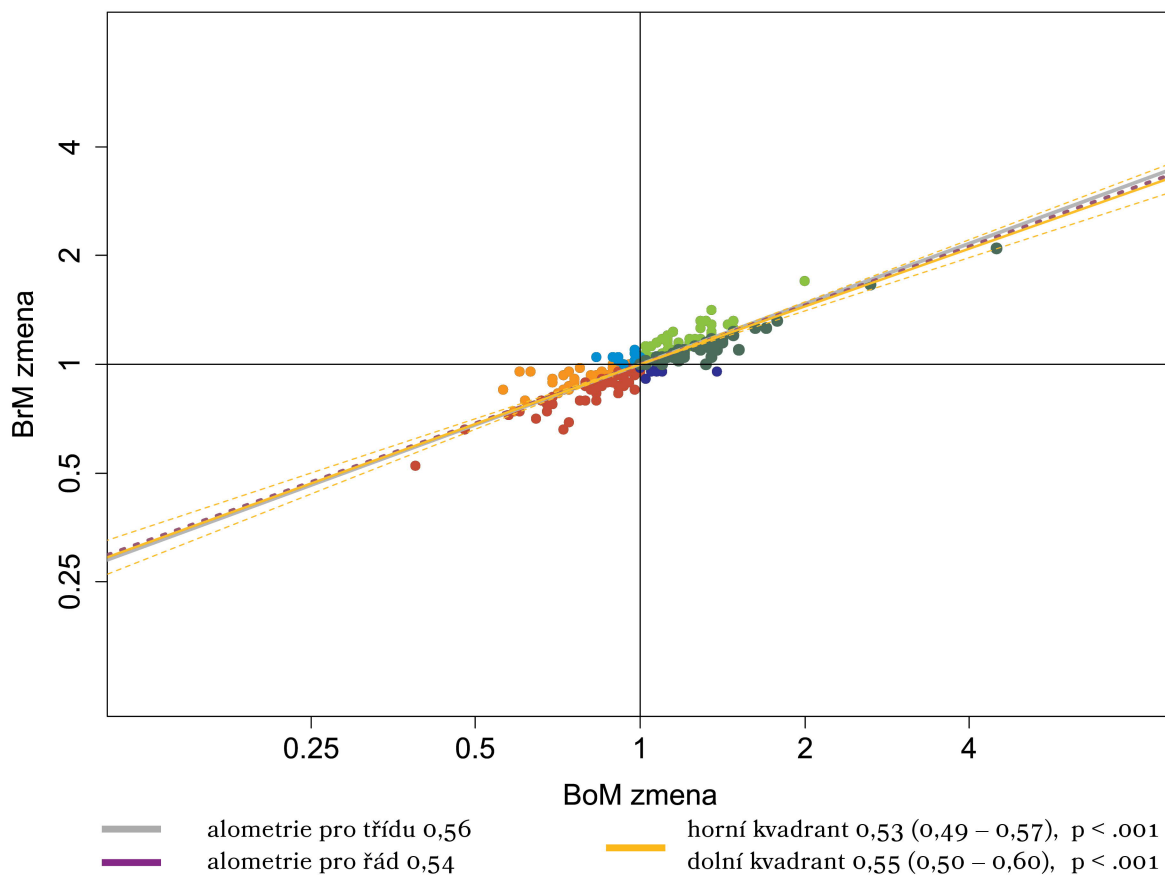


Columbimorphae

Pteroclidiformes

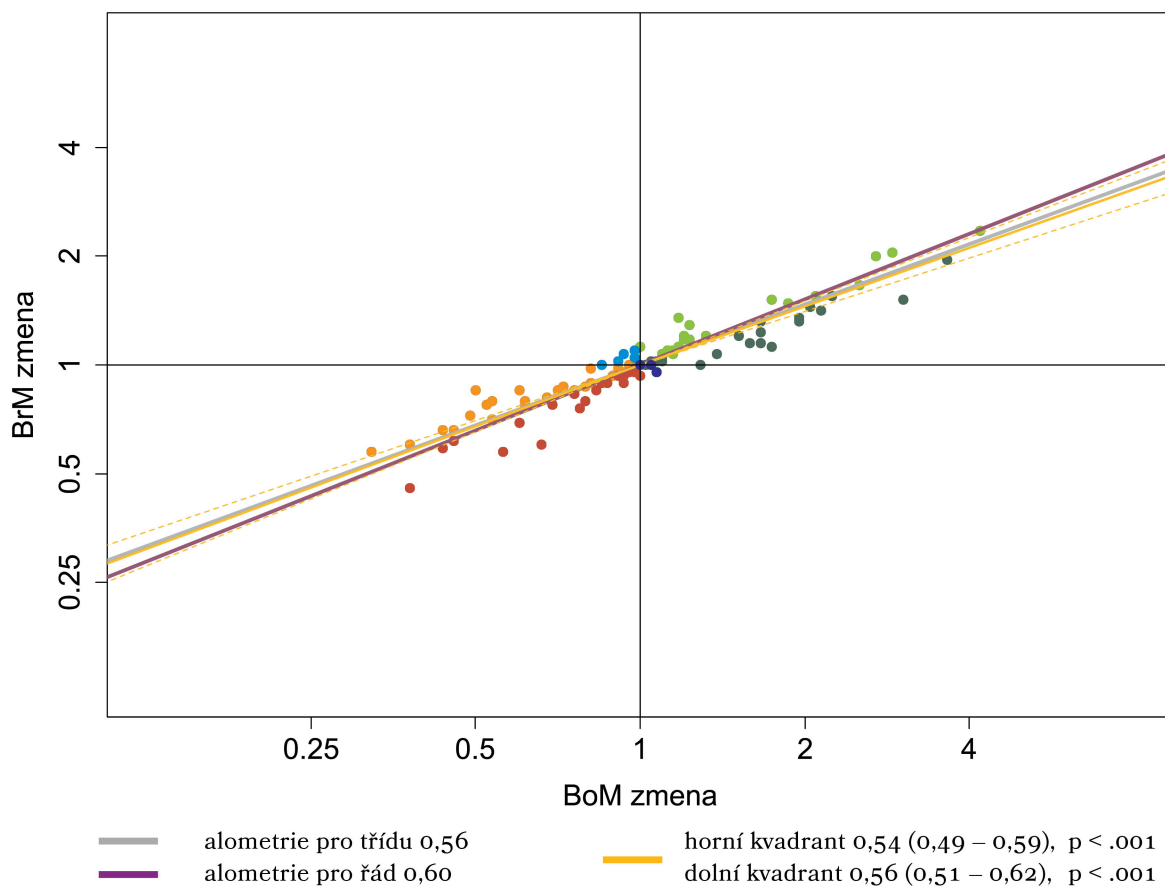


Columbiformes



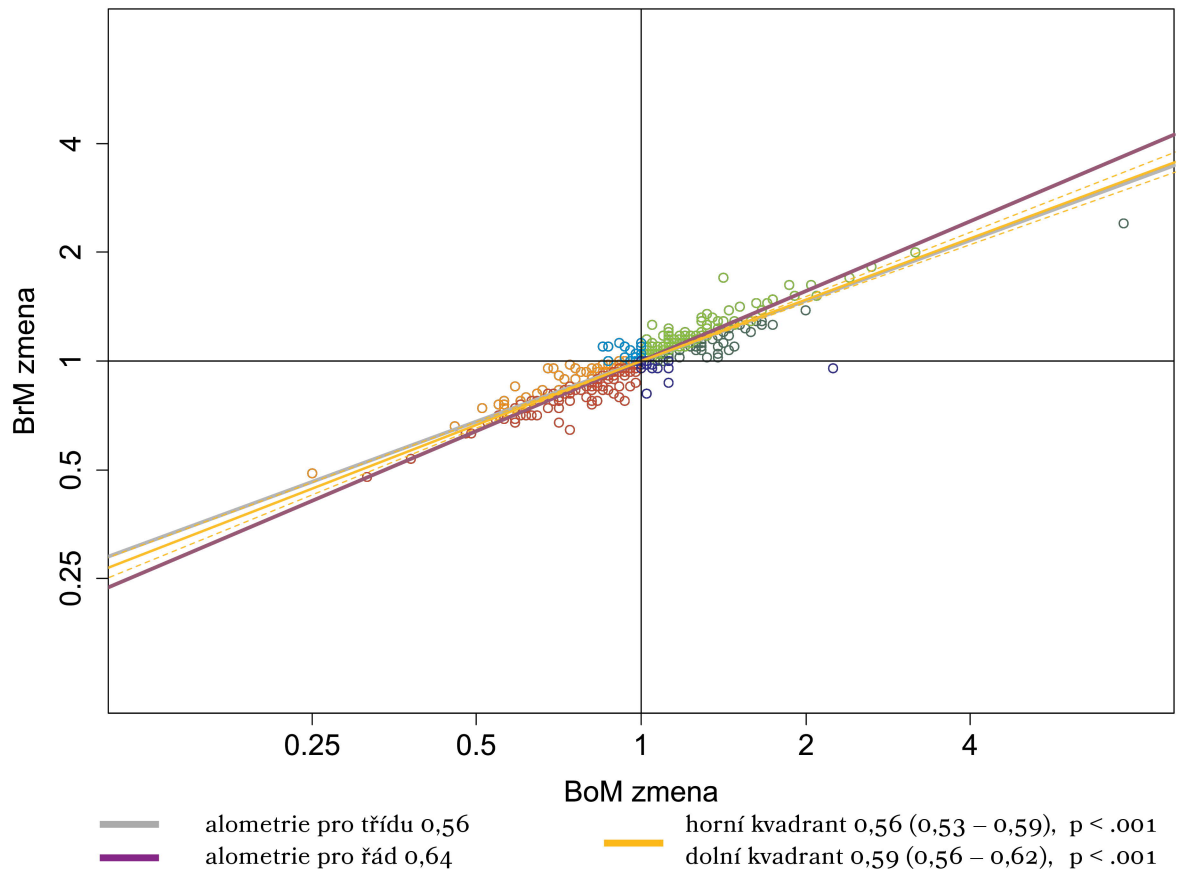
Gruiformes

Gruiformes



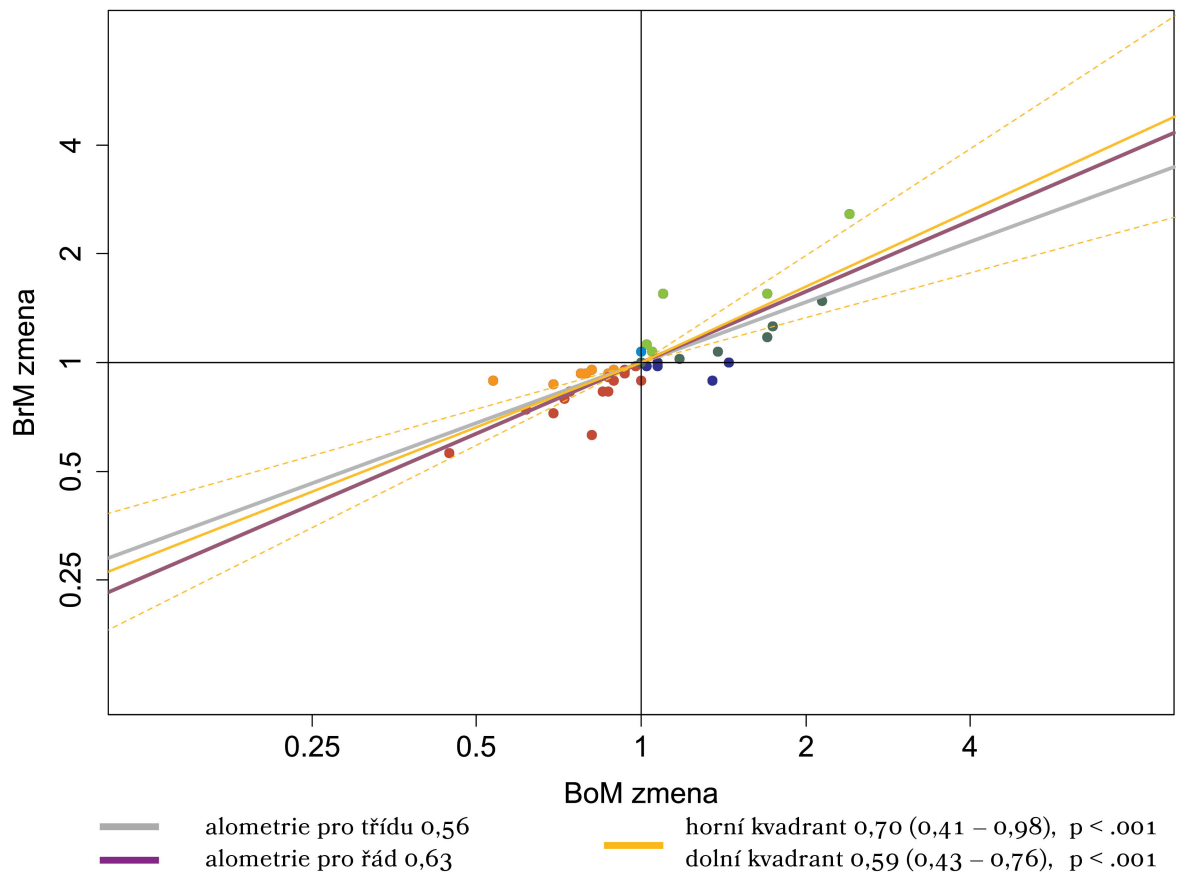
Charadriiformes

Charadriiformes

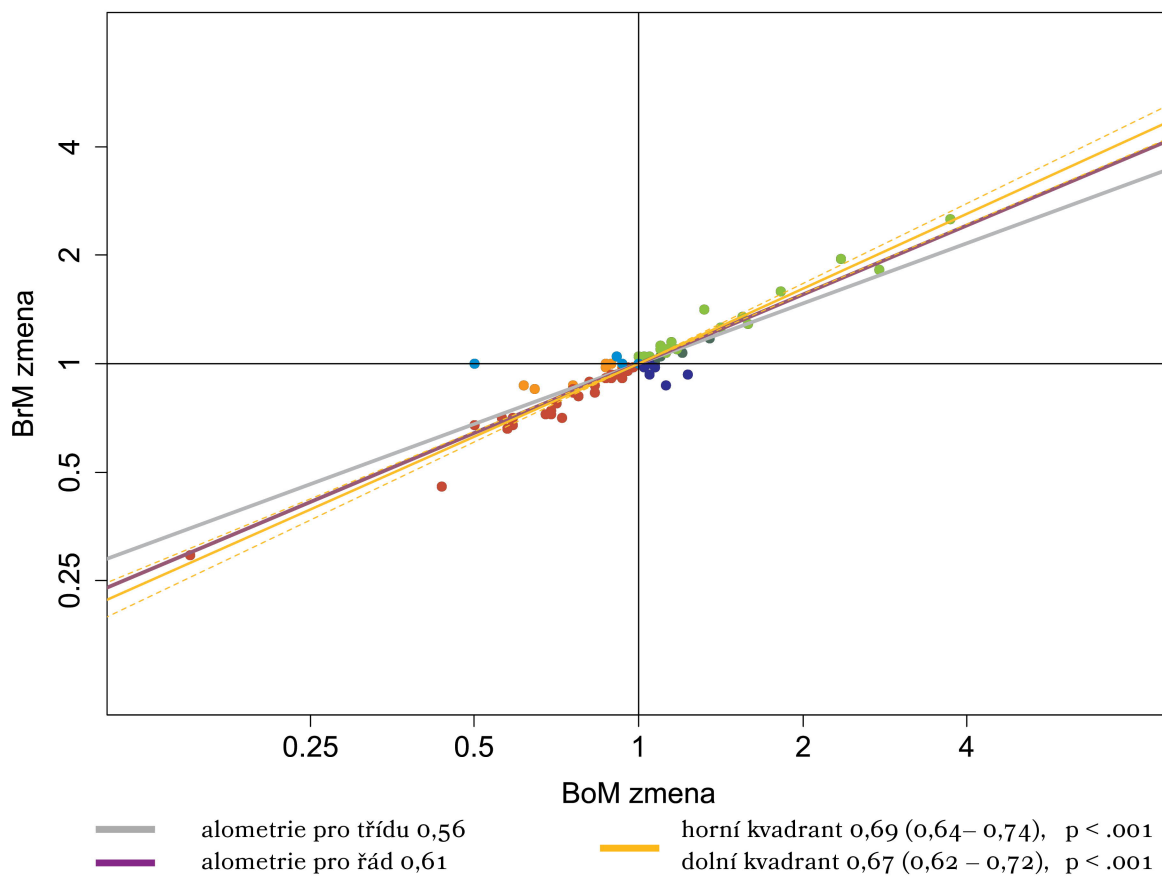


Strisores

Caprimulgiformes

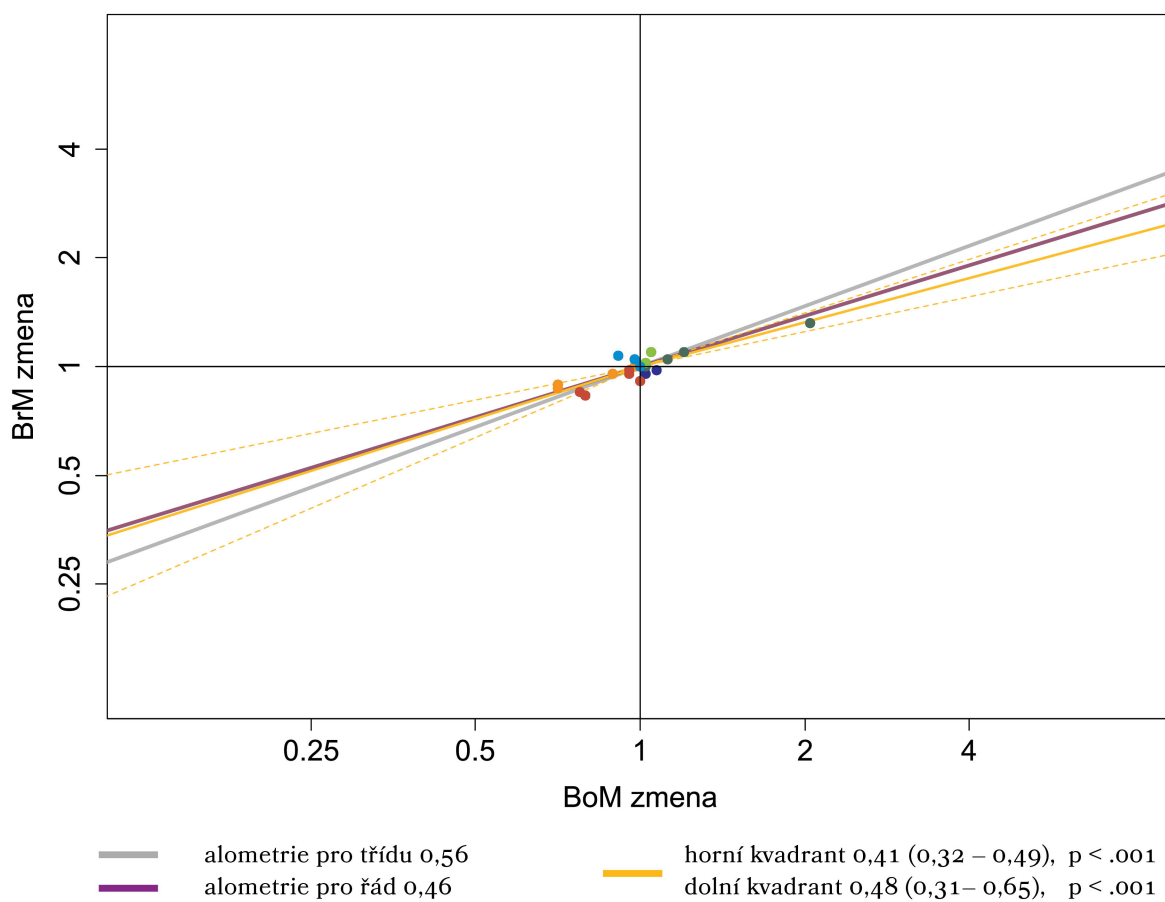


Apodiformes

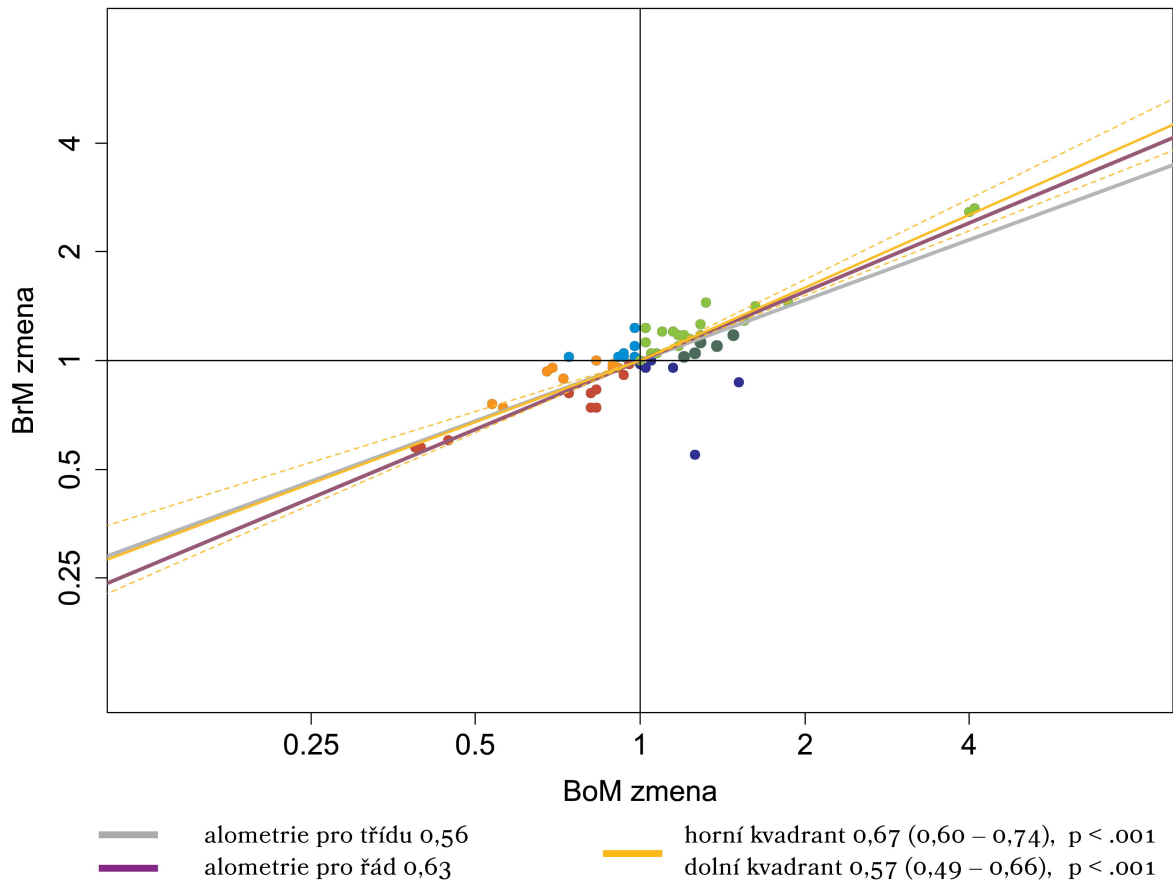


Afroaves

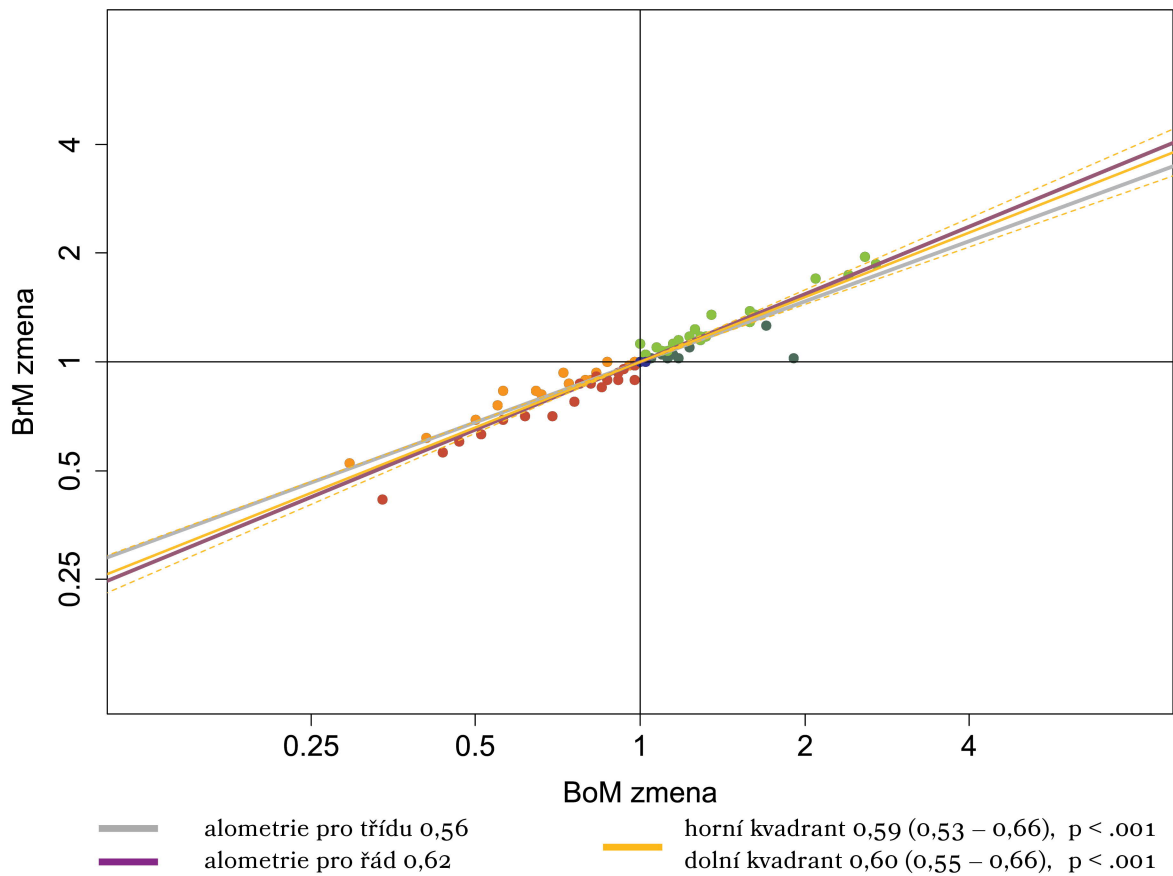
Trogoniformes



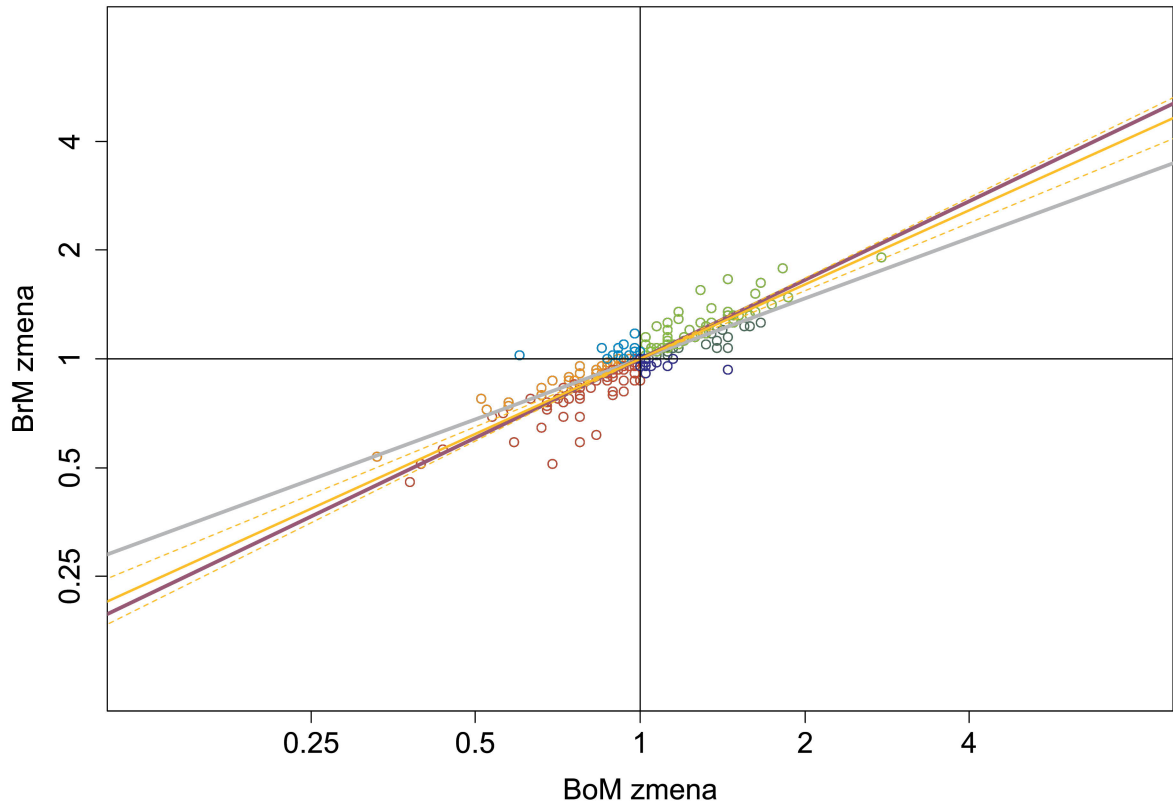
Bucerotiformes



Coraciiformes



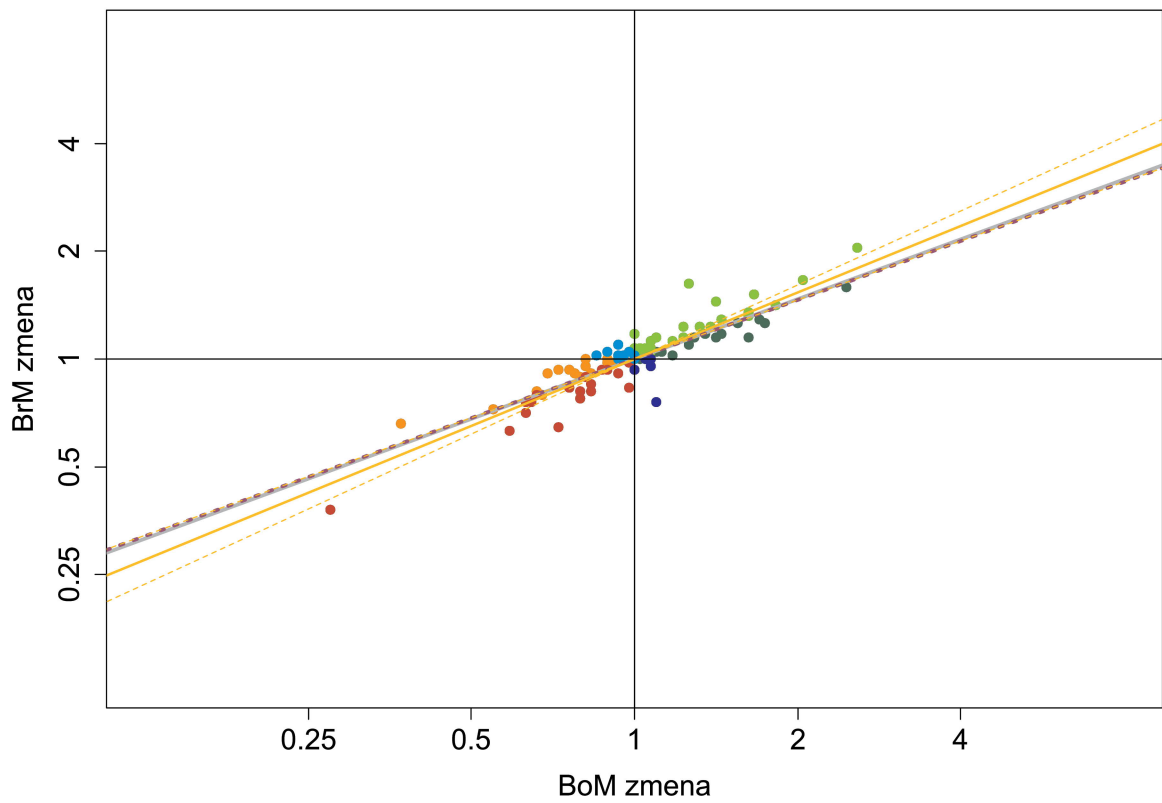
Piciformes



— alometrie pro třídu 0,56
— alometrie pro řád 0,73

— horní kvadrant 0,68 (0,63 – 0,74), $p < .001$
— dolní kvadrant 0,69 (0,62 – 0,75), $p < .001$

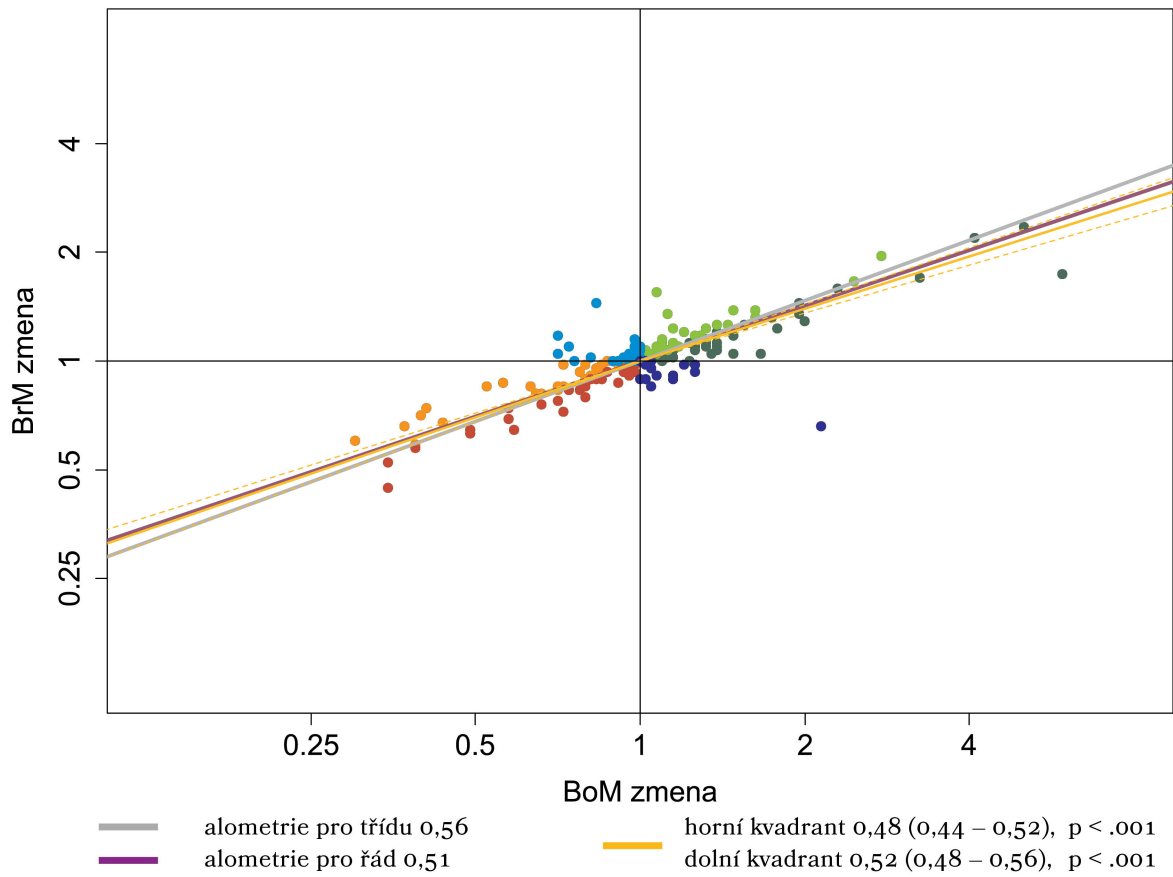
Strigiformes



— alometrie pro třídu 0,56
— alometrie pro řád 0,55

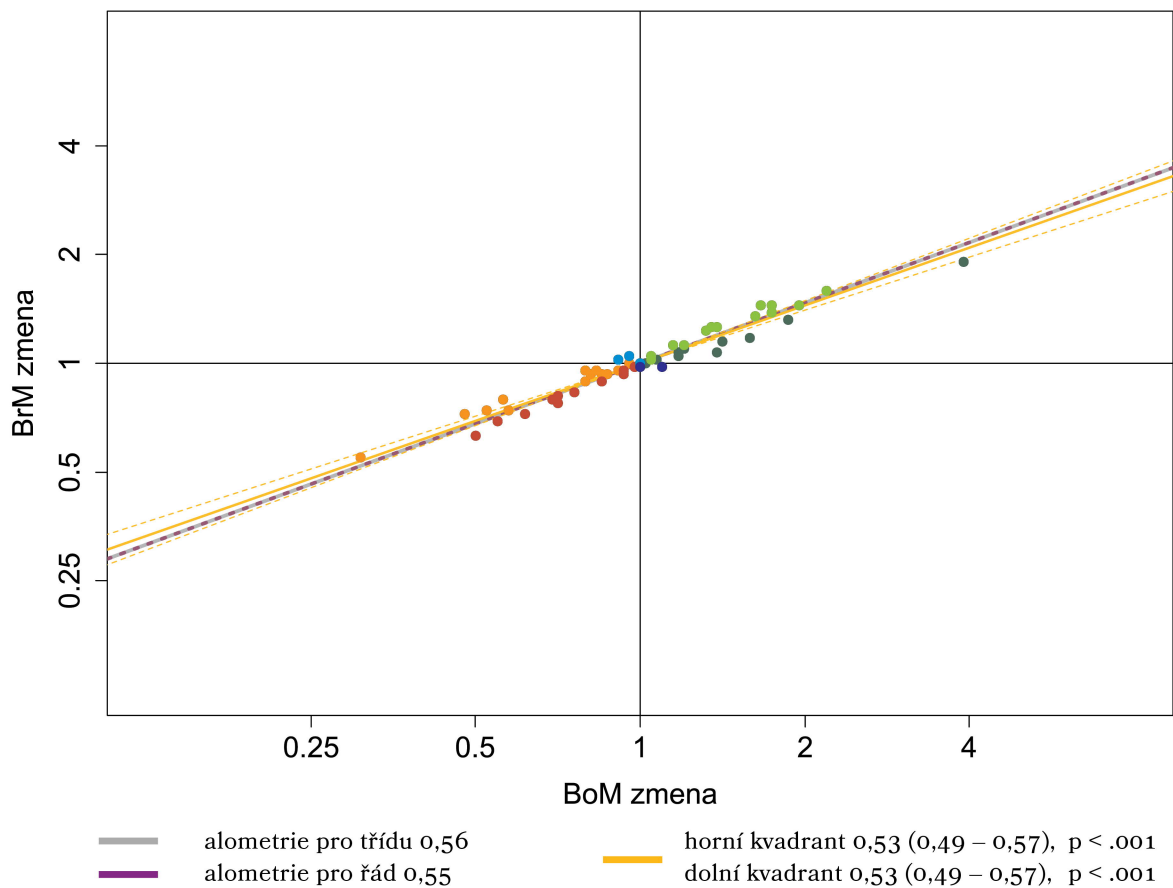
— horní kvadrant 0,62 (0,55 – 0,69), $p < .001$
— dolní kvadrant 0,62 (0,55 – 0,70), $p < .001$

Accipitriformes

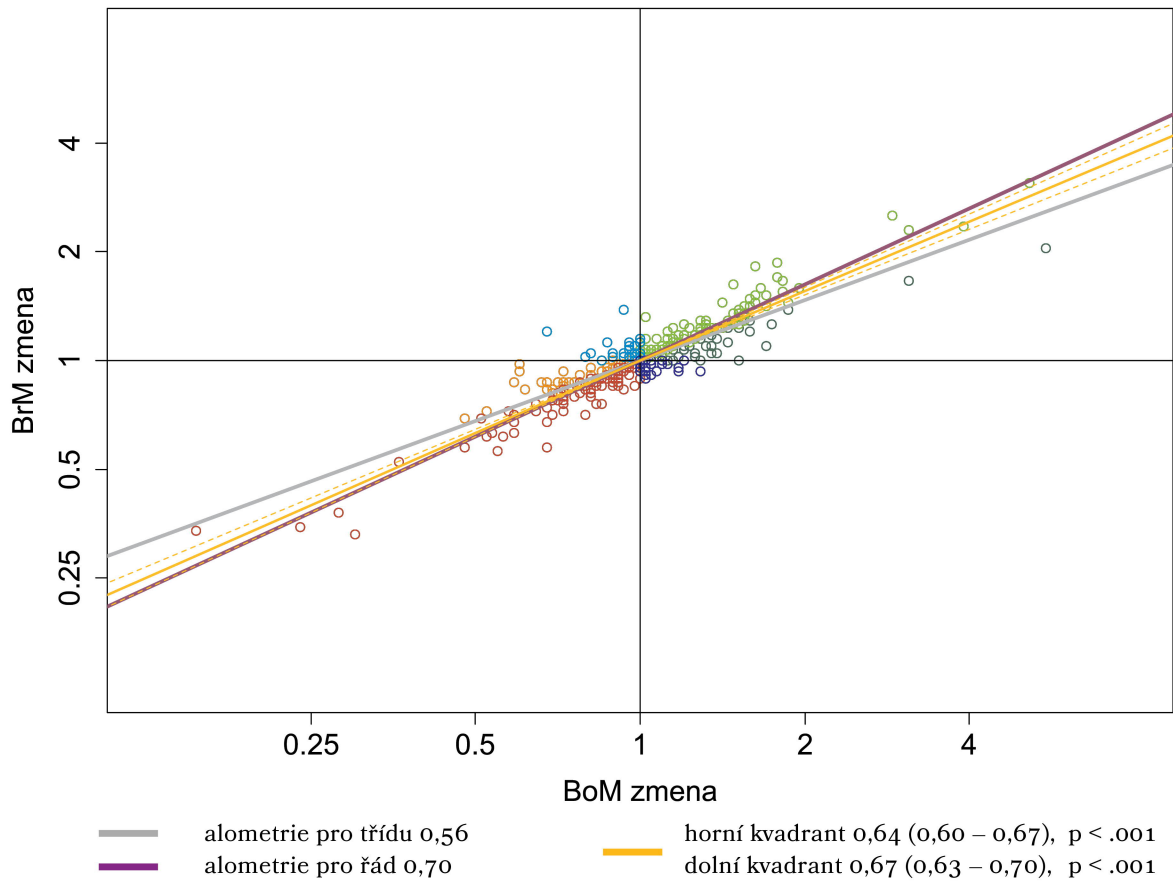


Australaves

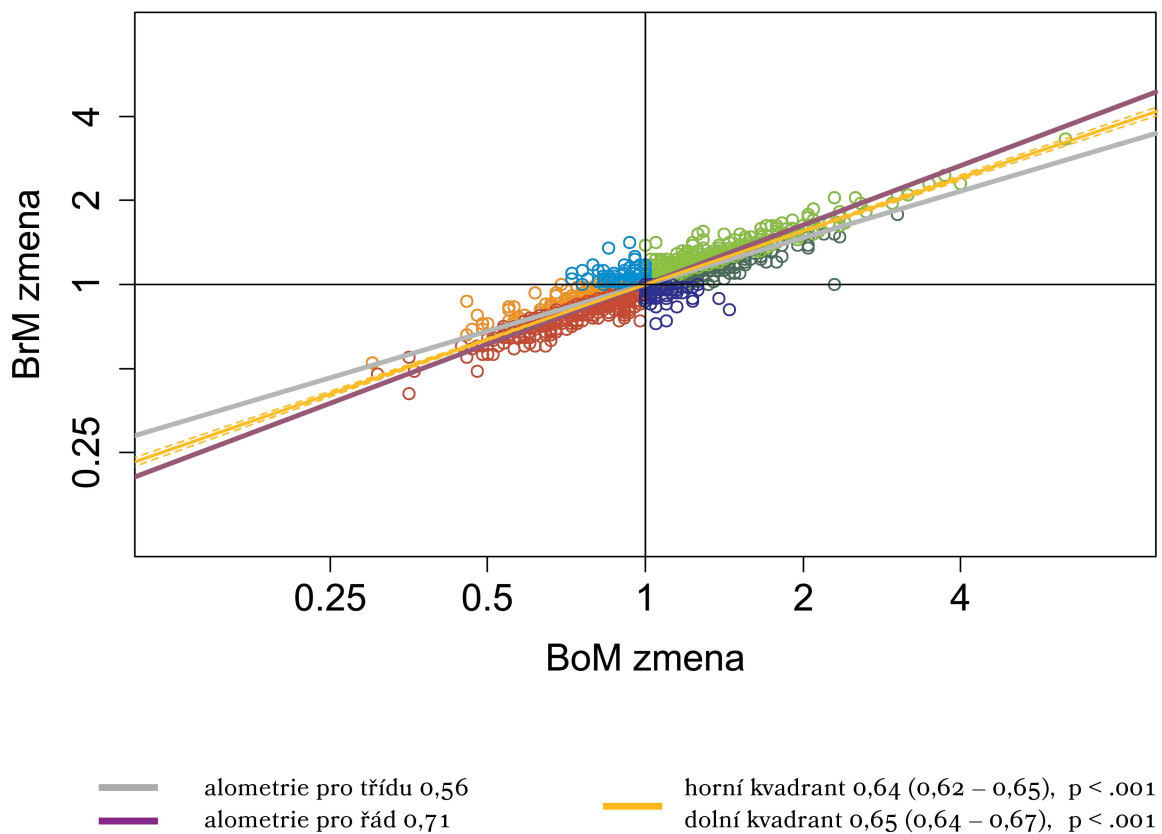
Falconiformes



Psittaciformes



Passeriformes

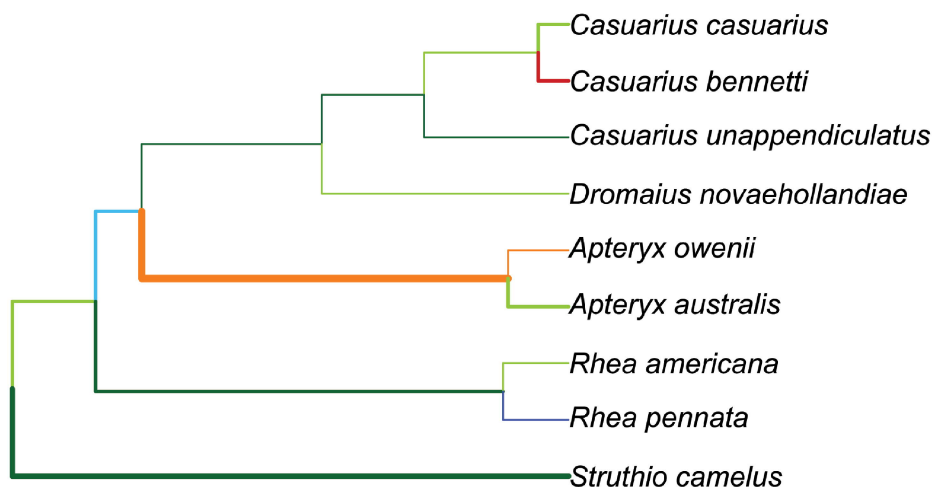


PŘÍLOHA 4. KOMPLETNÍ SOUBOR FYLOGENETICKÝCH STROMŮ S VYNESENÝMI ZMĚNAMI VE VELIKOSTI TĚLA A MOZKU PRO JEDNOTLIVÉ ŘÁDY

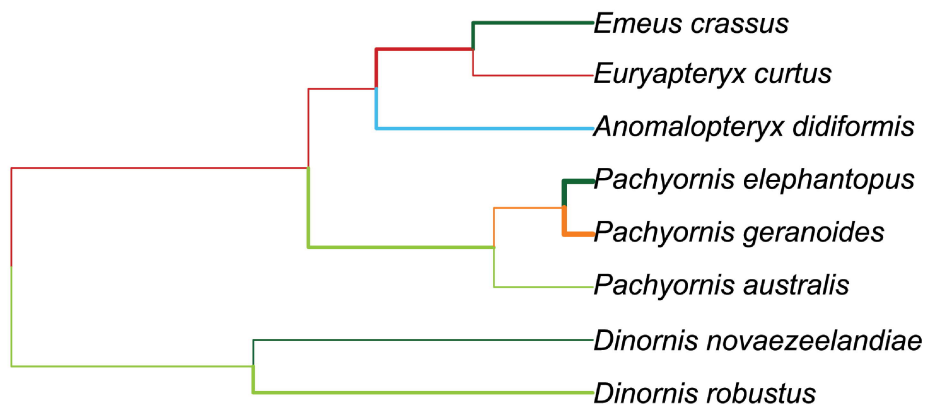
Barvy odpovídají šesti různým scénářům evoluce obou znaků „zrychlené zvětšení mozku, RV”; „zpomalené zvětšení mozku, PV”; „nezávislé zvětšení mozku, NV”; „zpomalené zmenšení, PM”; „zrychlené zmenšení, RM” a „nezávislému zmenšení, NM”.

Paleognatha

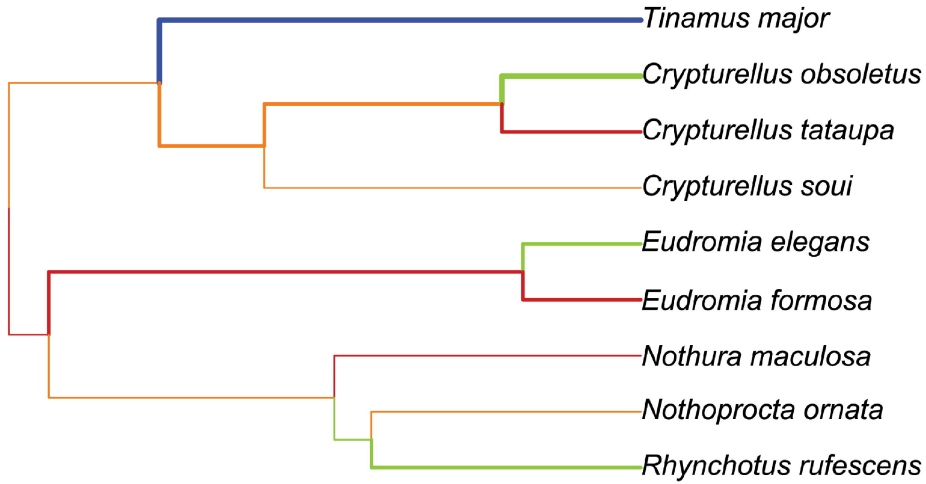
Struthioniformes



Dinornithiformes

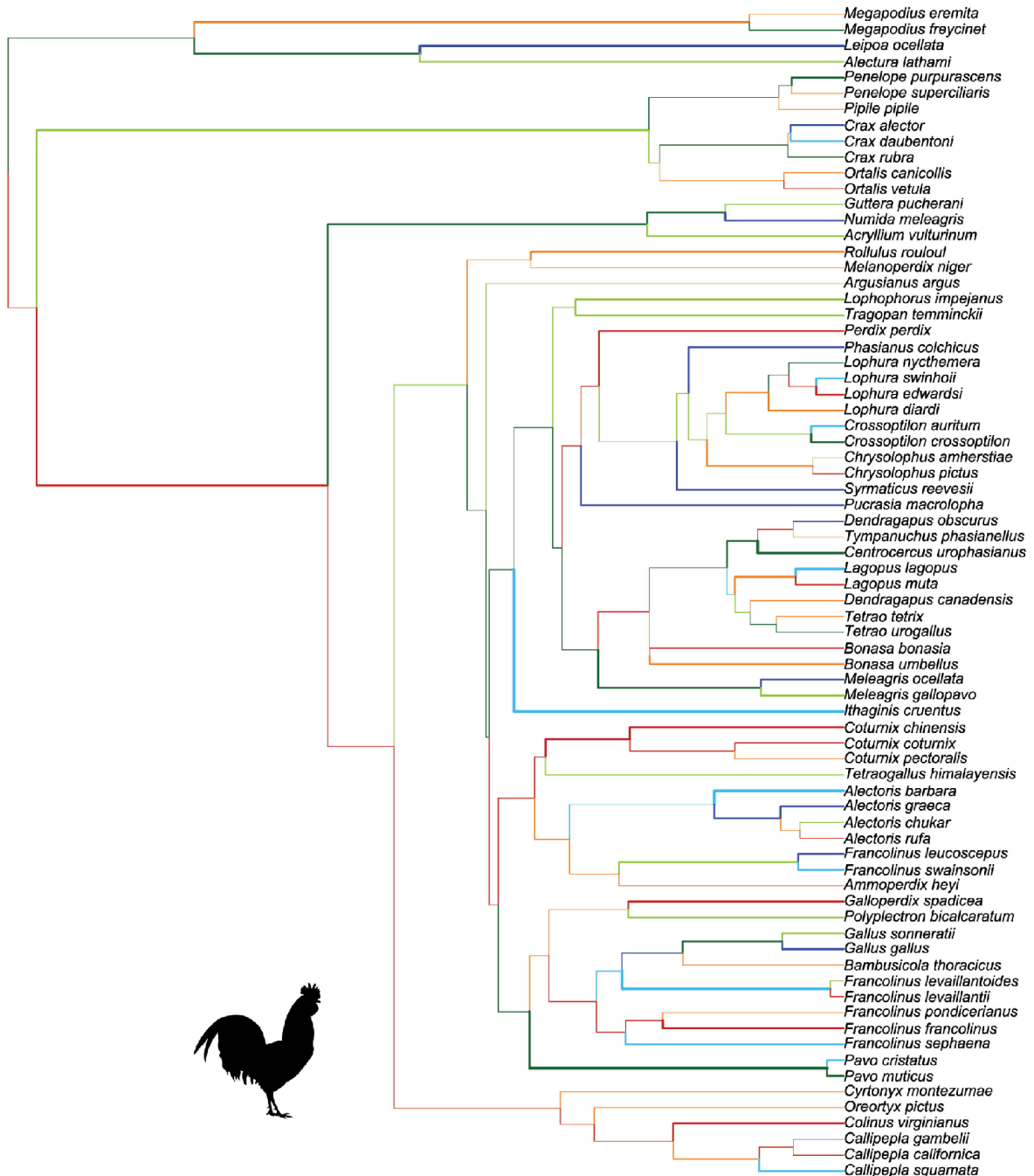


Tinamiformes



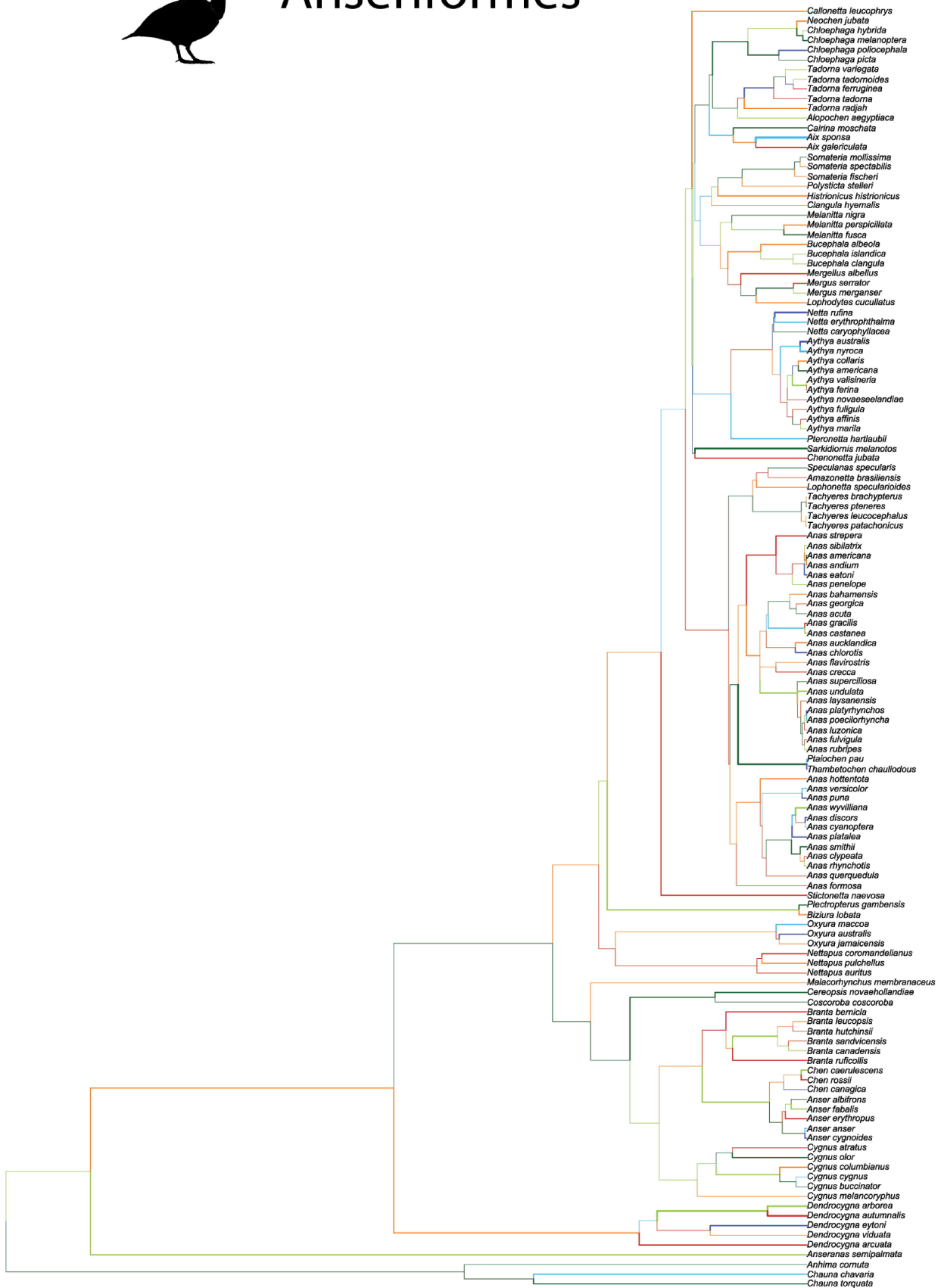
Galloanserae

Galliformes



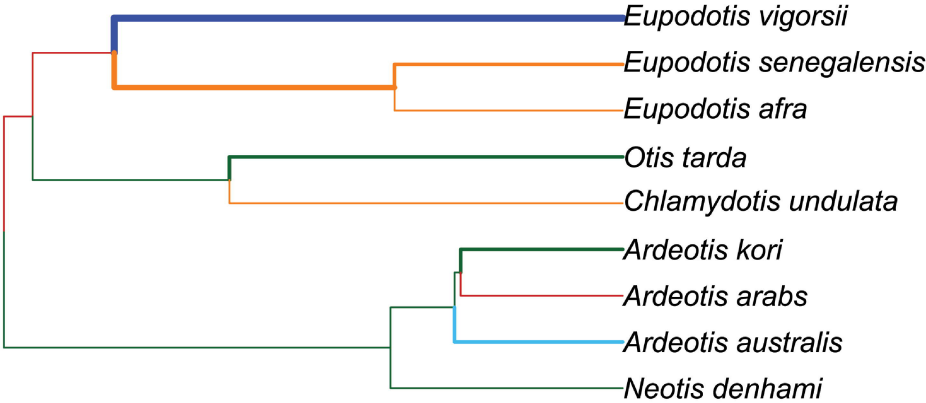


Anseriformes

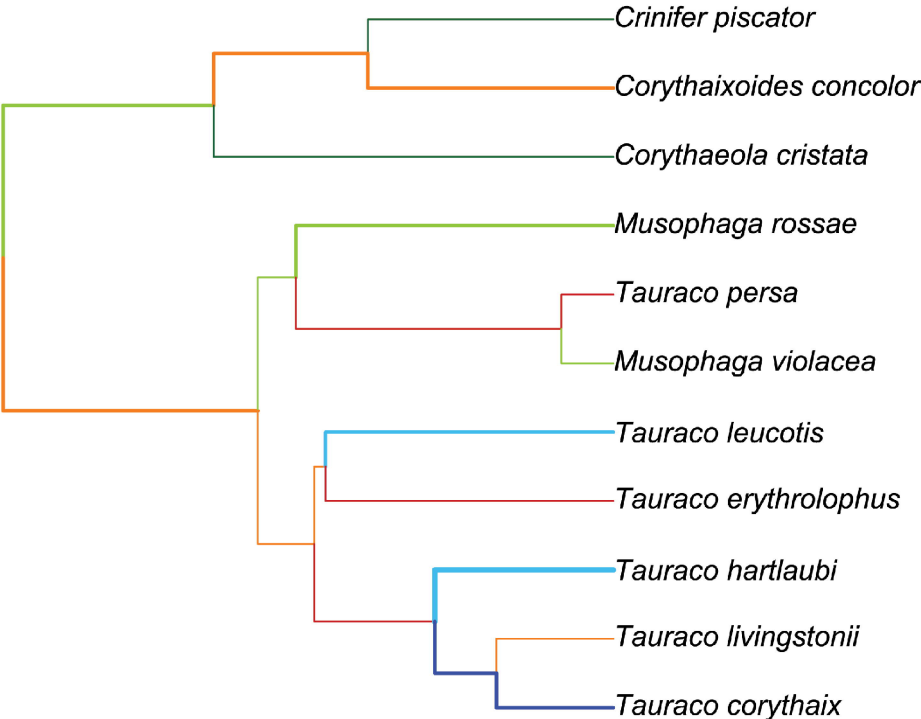


Otidimorphae

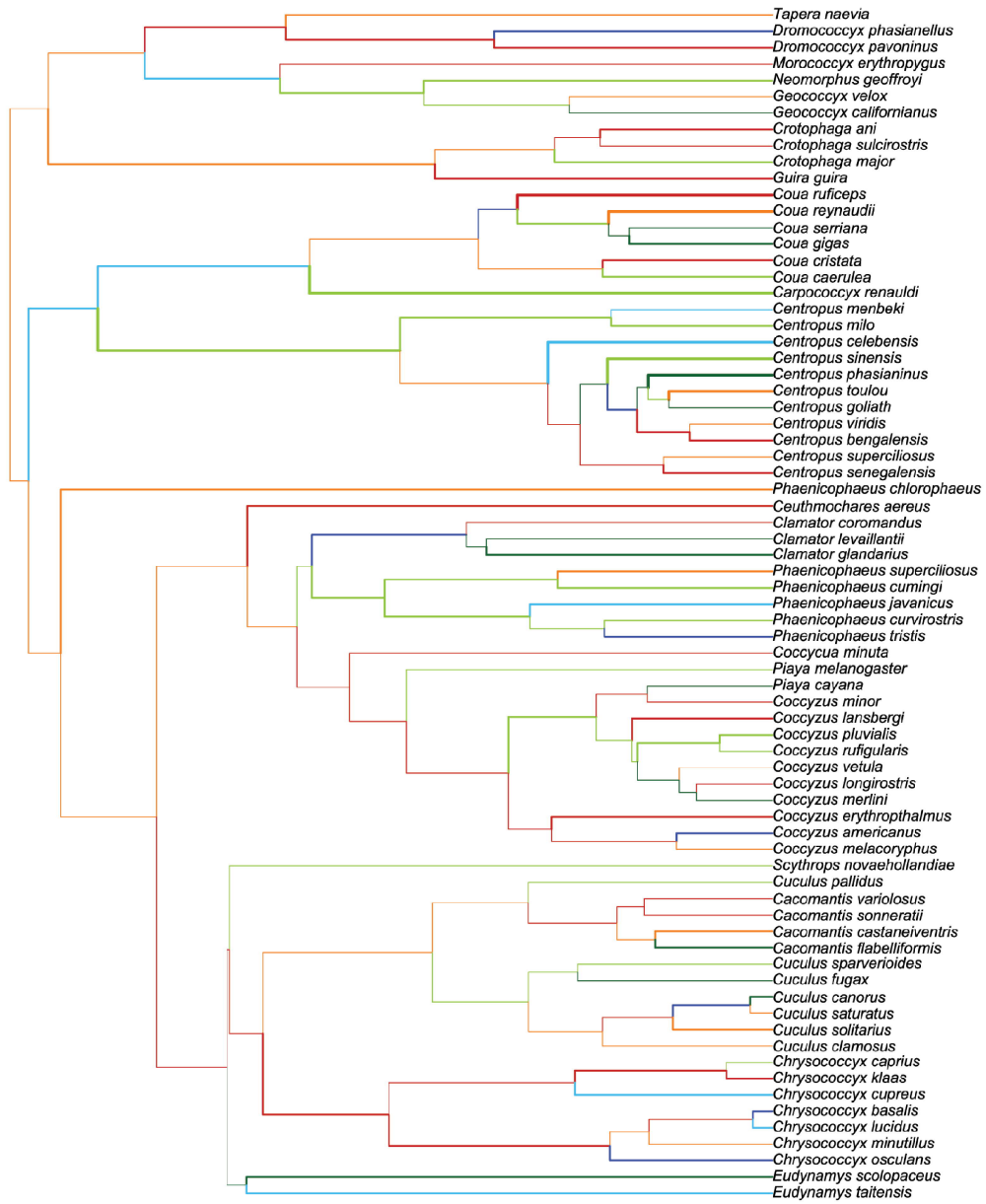
Otidiformes



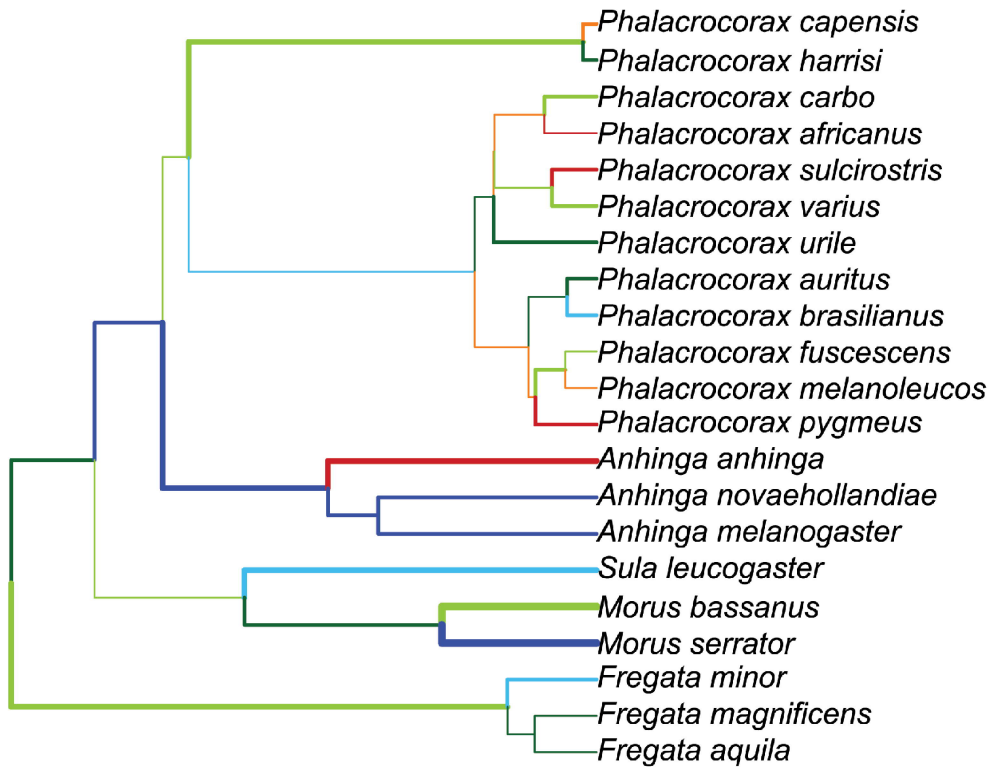
Musophagiformes



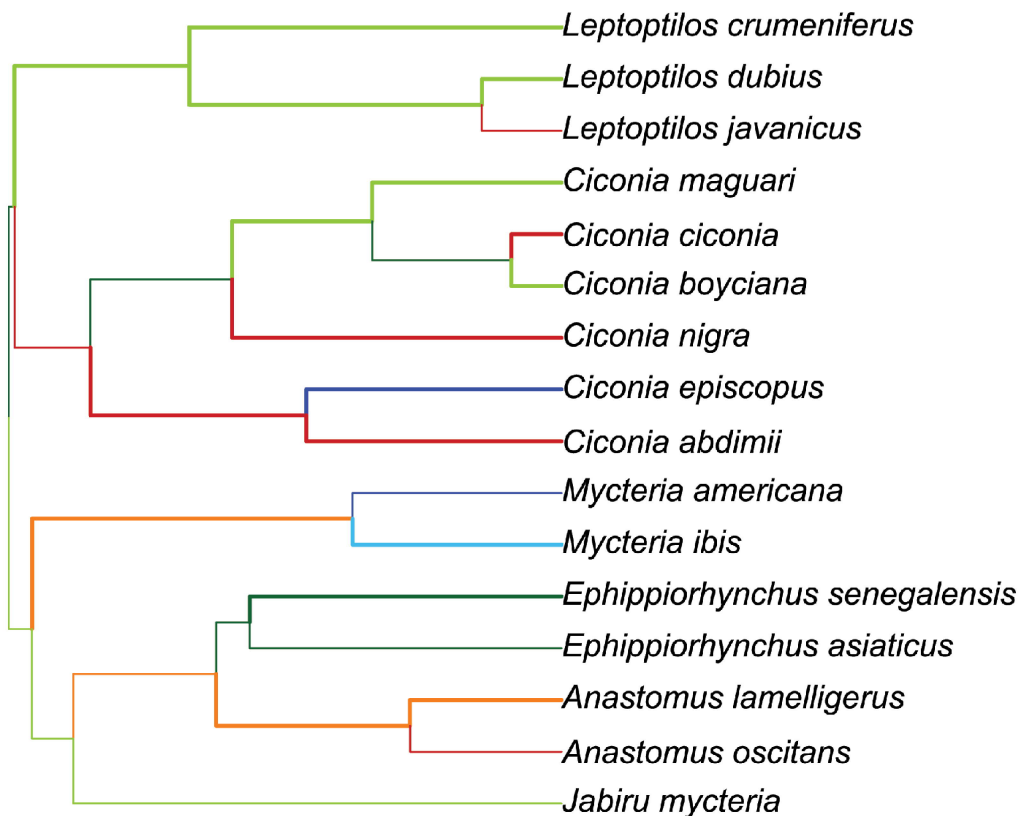
Cuculiformes



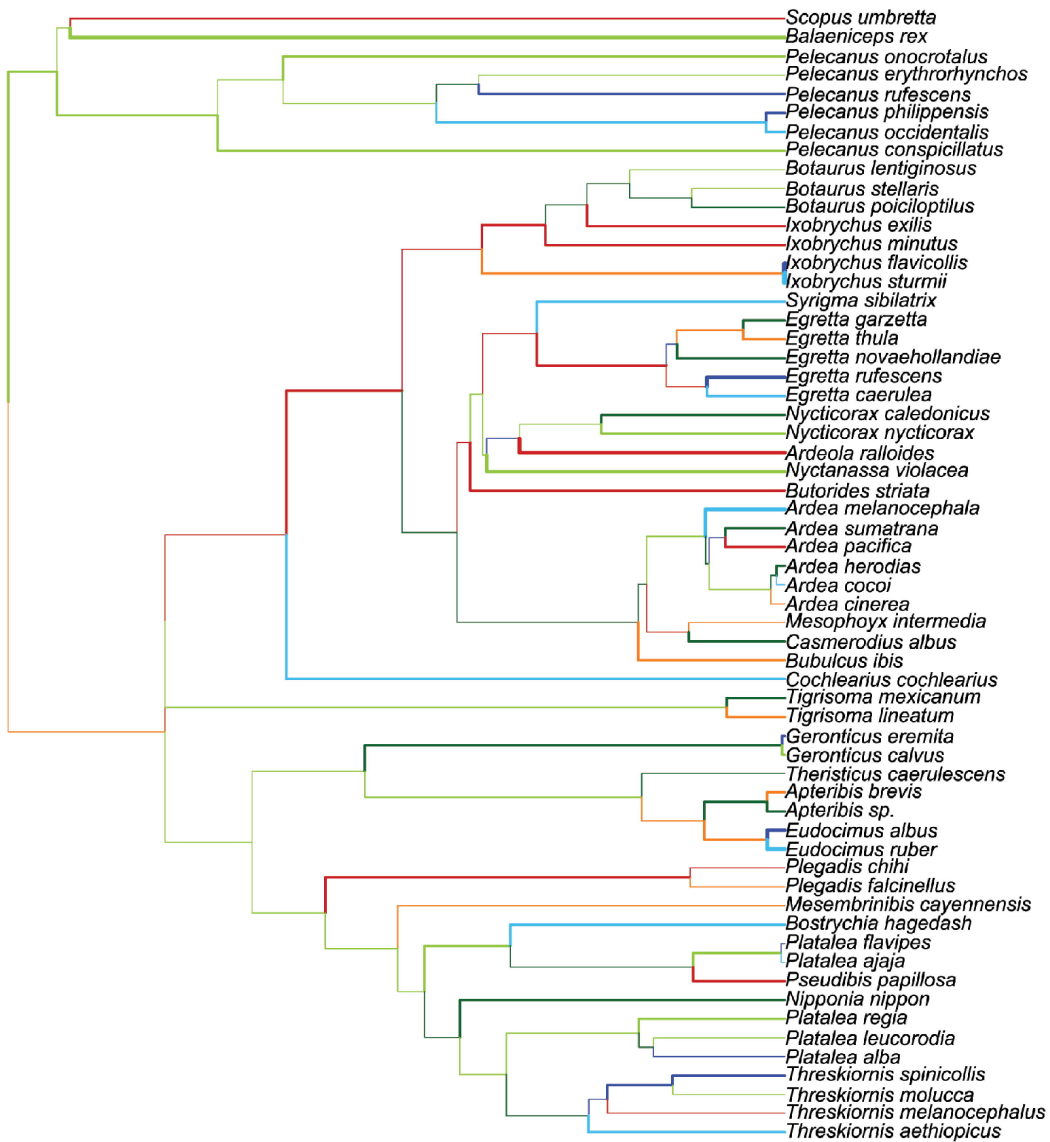
Suliformes



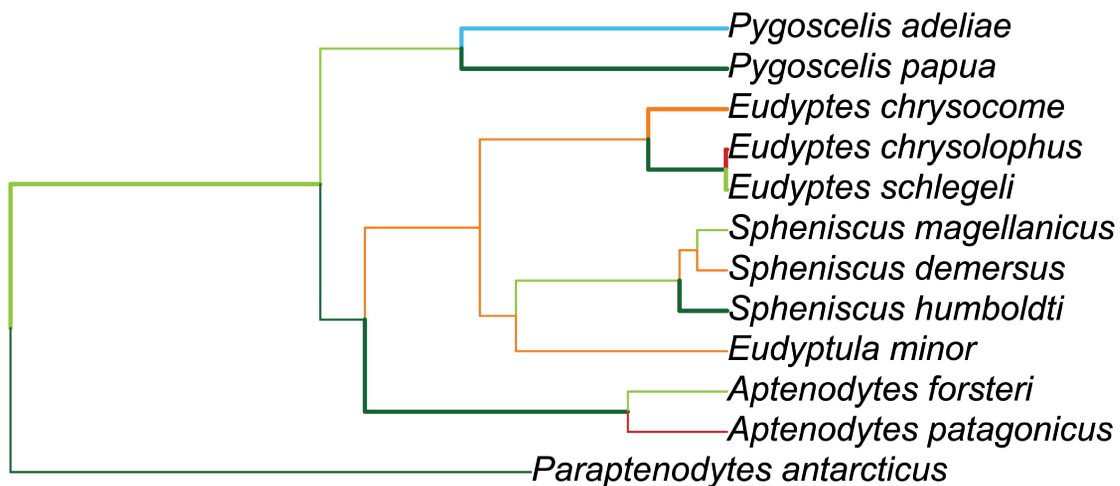
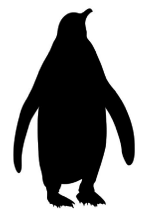
Ciconiiformes



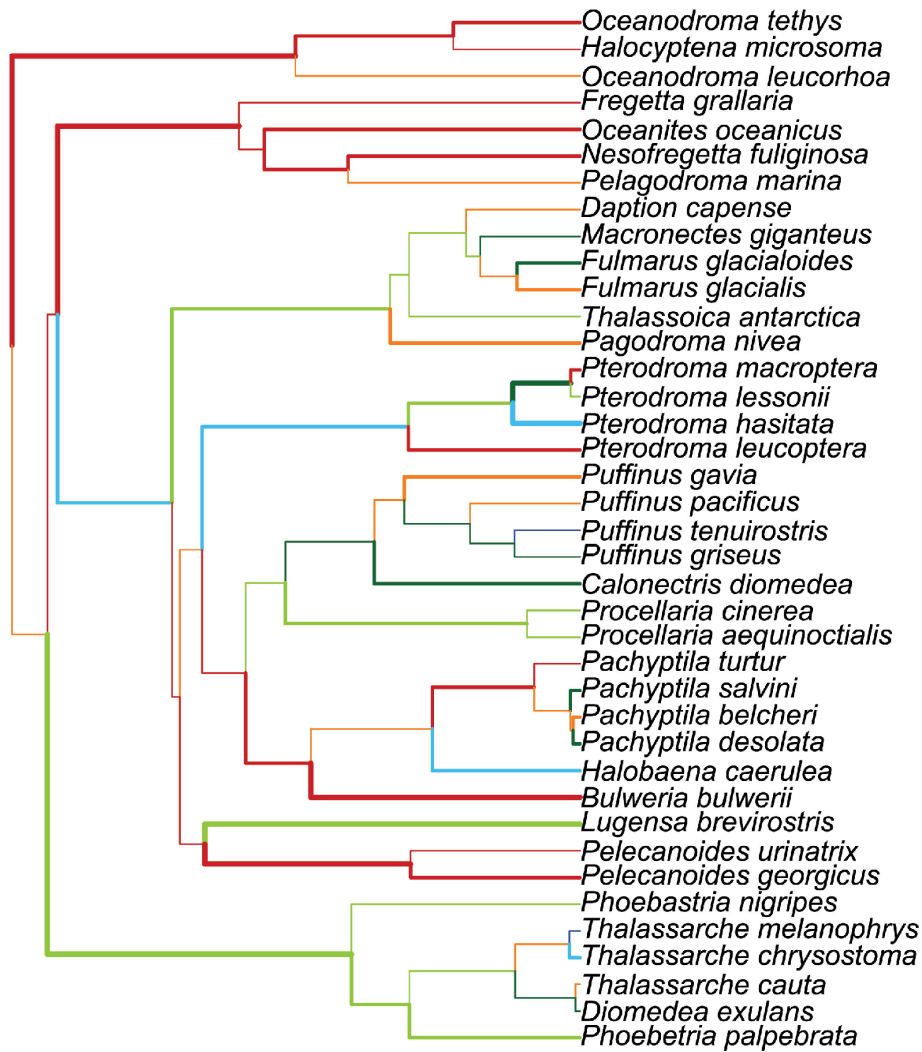
Pelecaniformes



Sphenisciformes

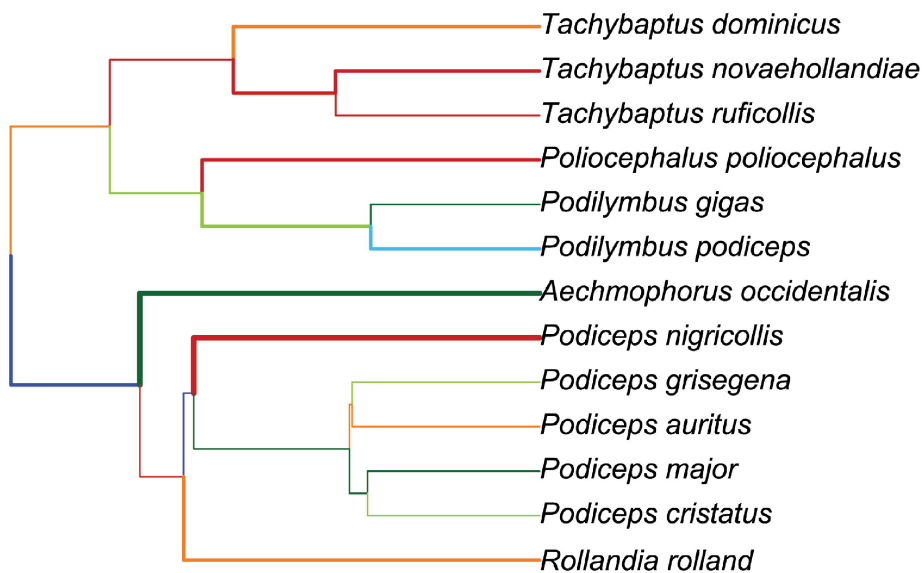


Procellariiformes



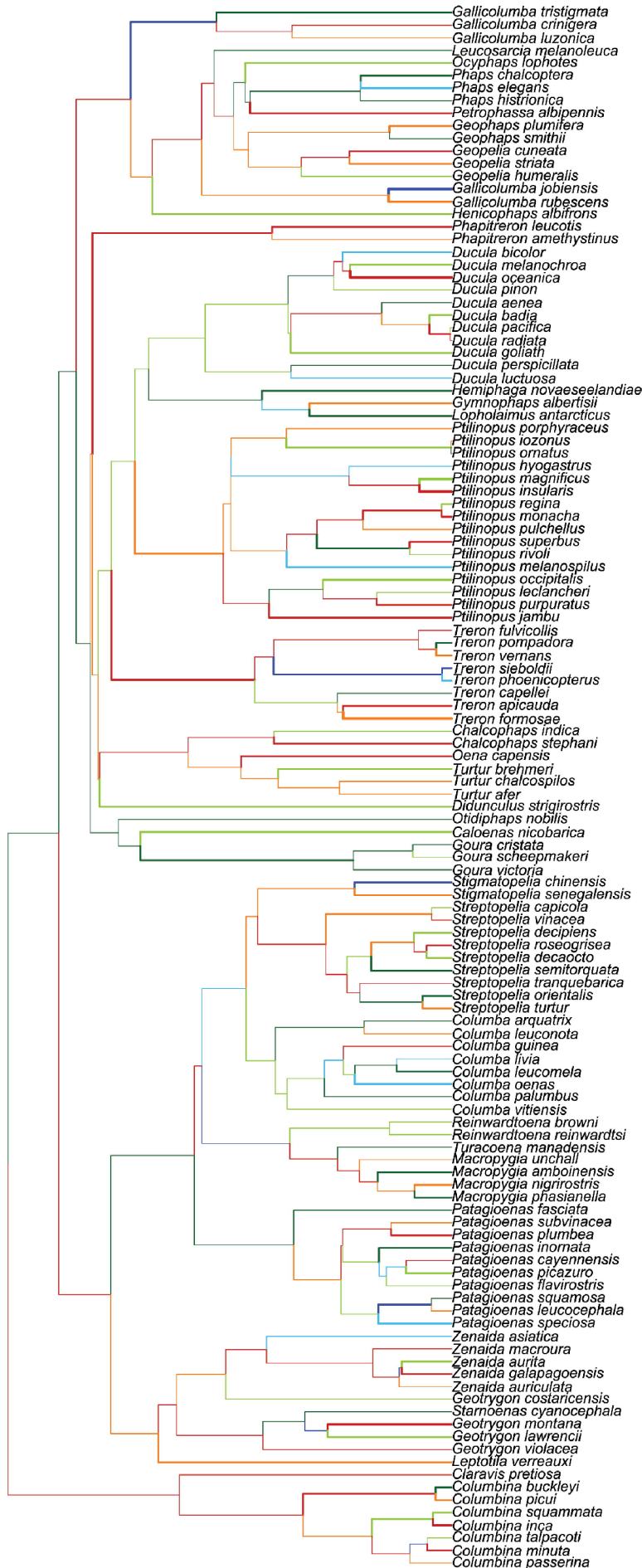
Mirandornithes

Podicipediformes

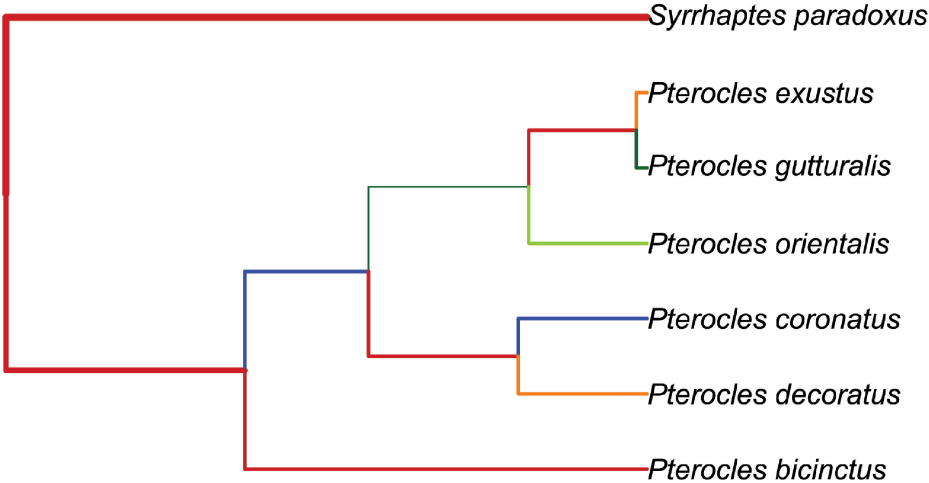


Columbimorphae

Columbiformes

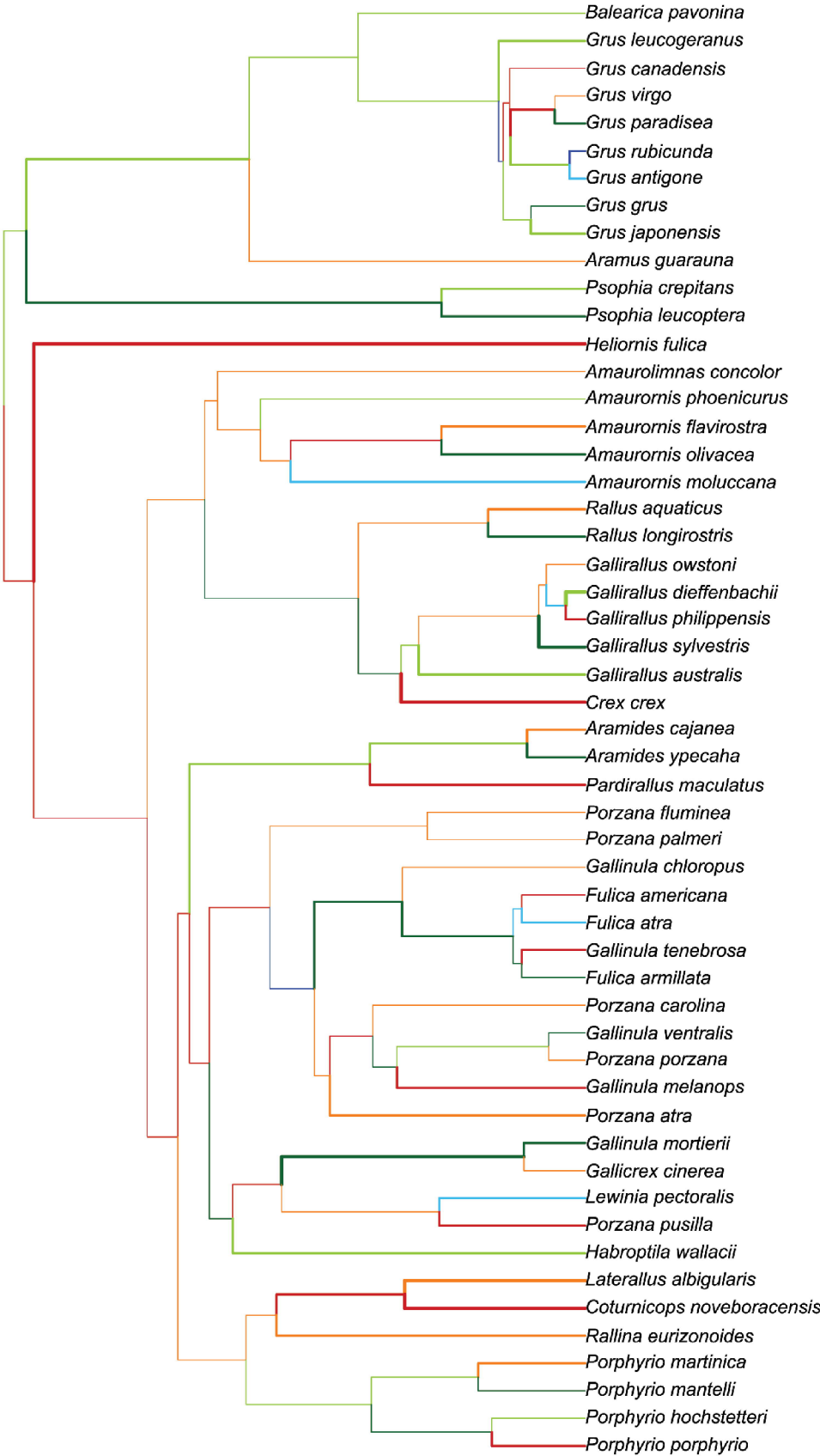


Pteroclidiformes



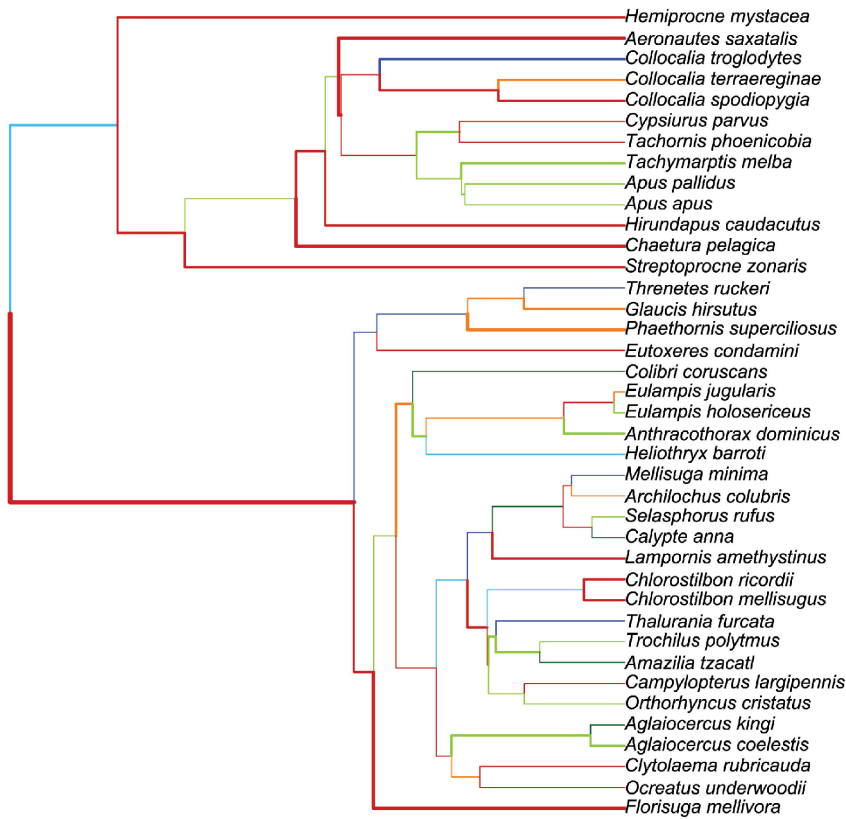
Gruiformes

Gruiformes

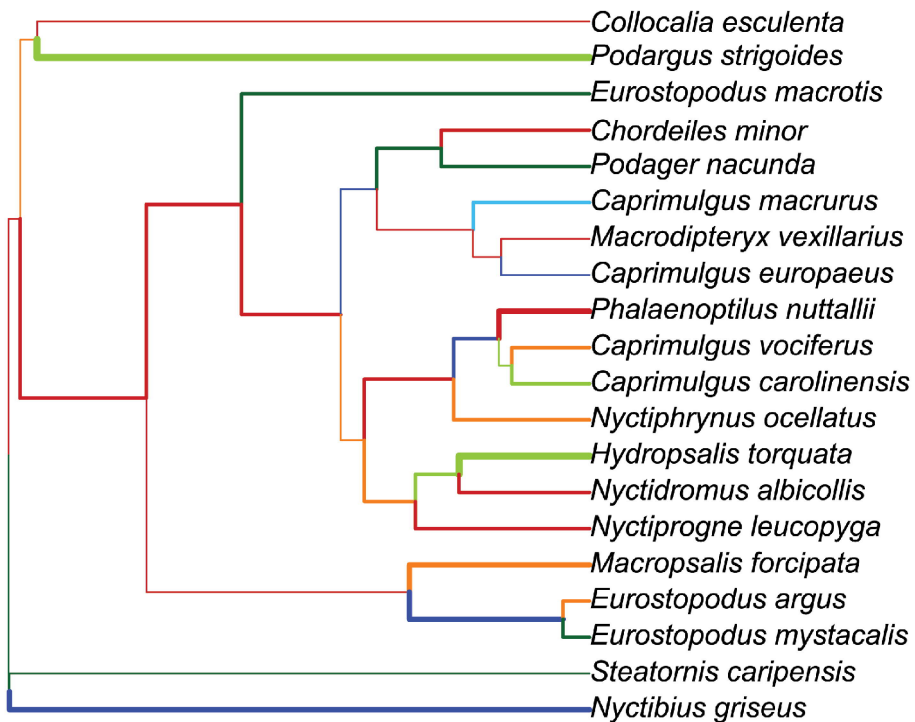


Strisores

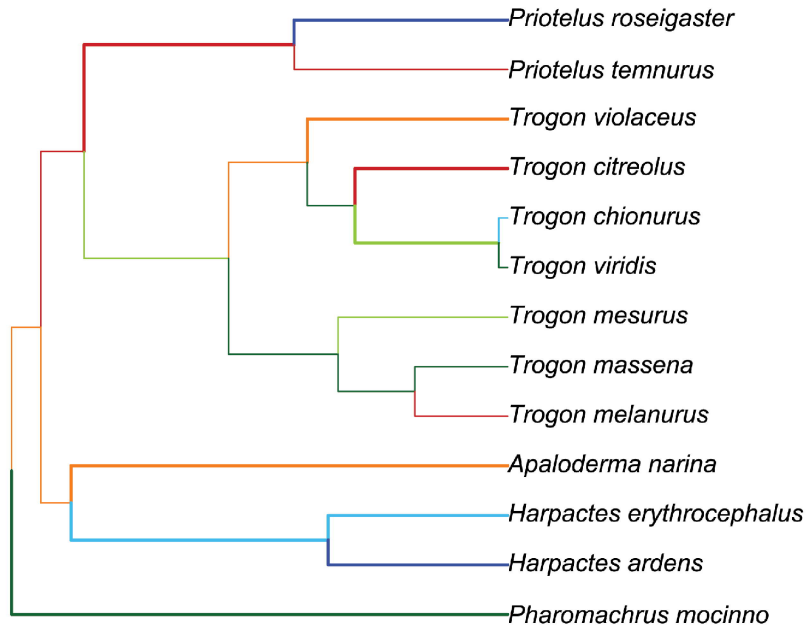
Apodiformes



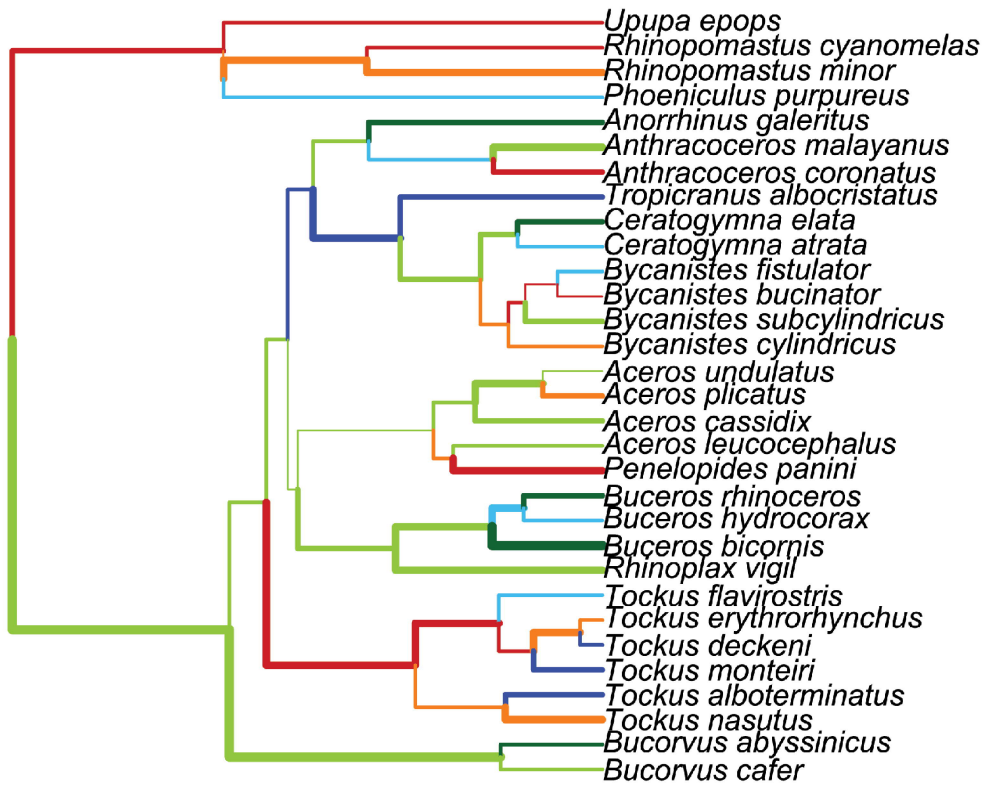
Caprimulgiformes



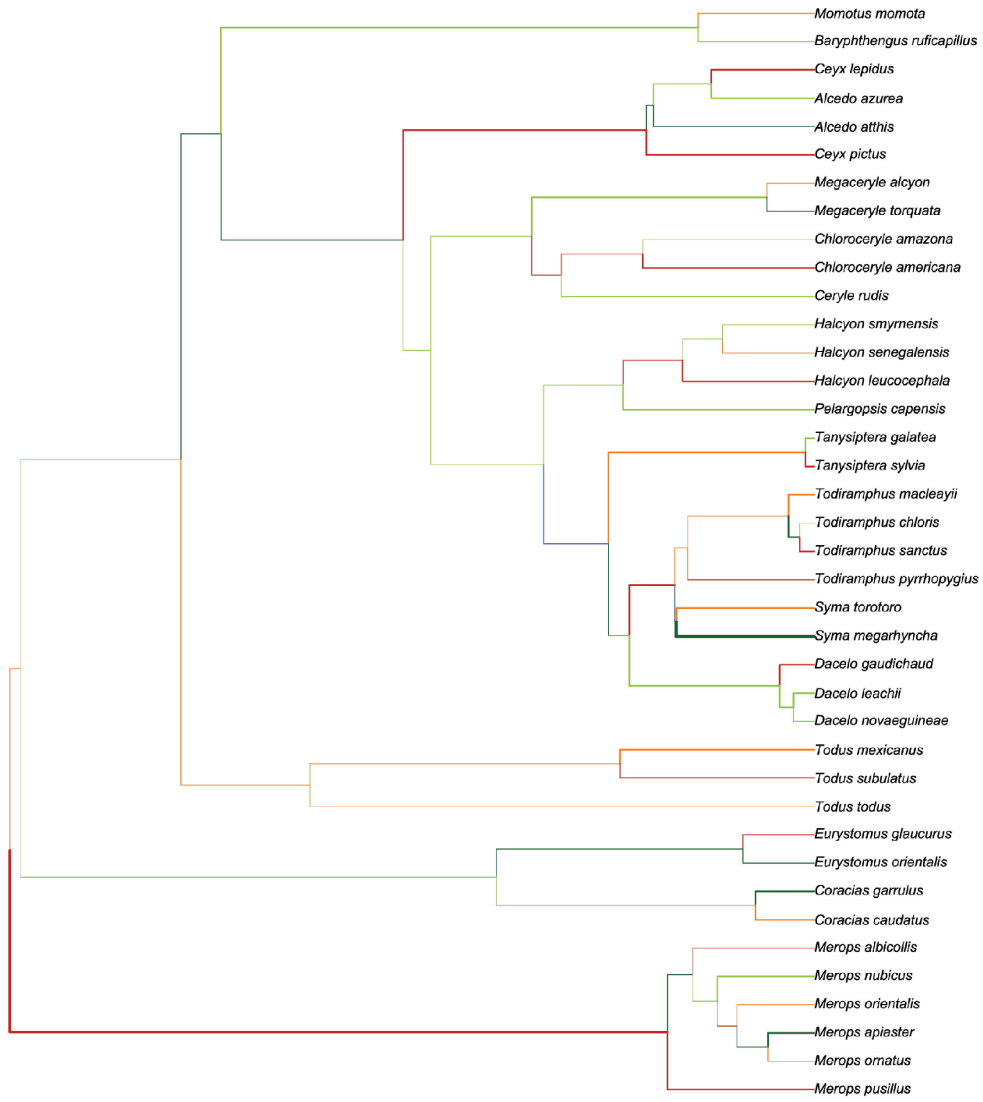
Trogoniformes



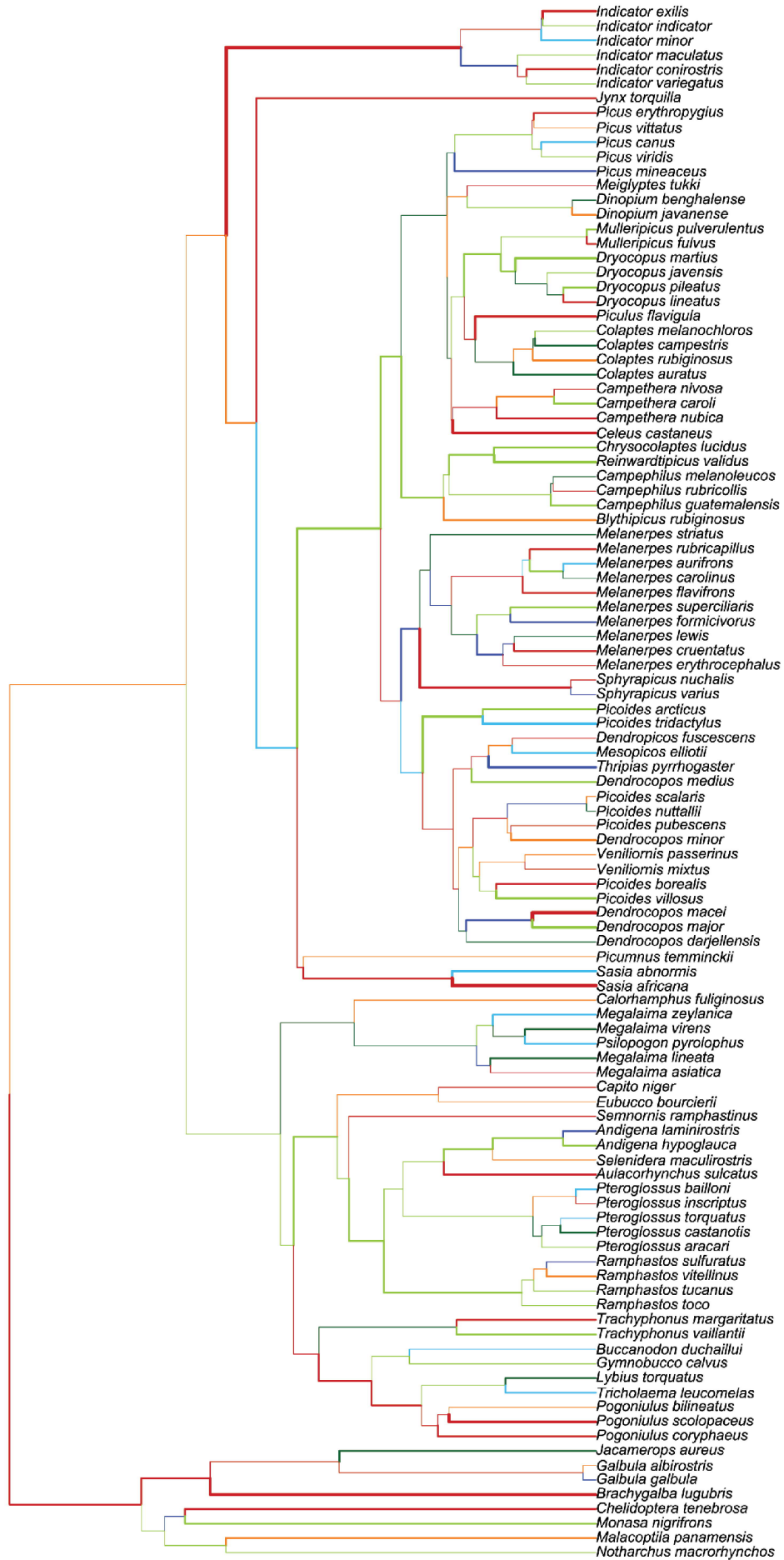
Bucerotiformes



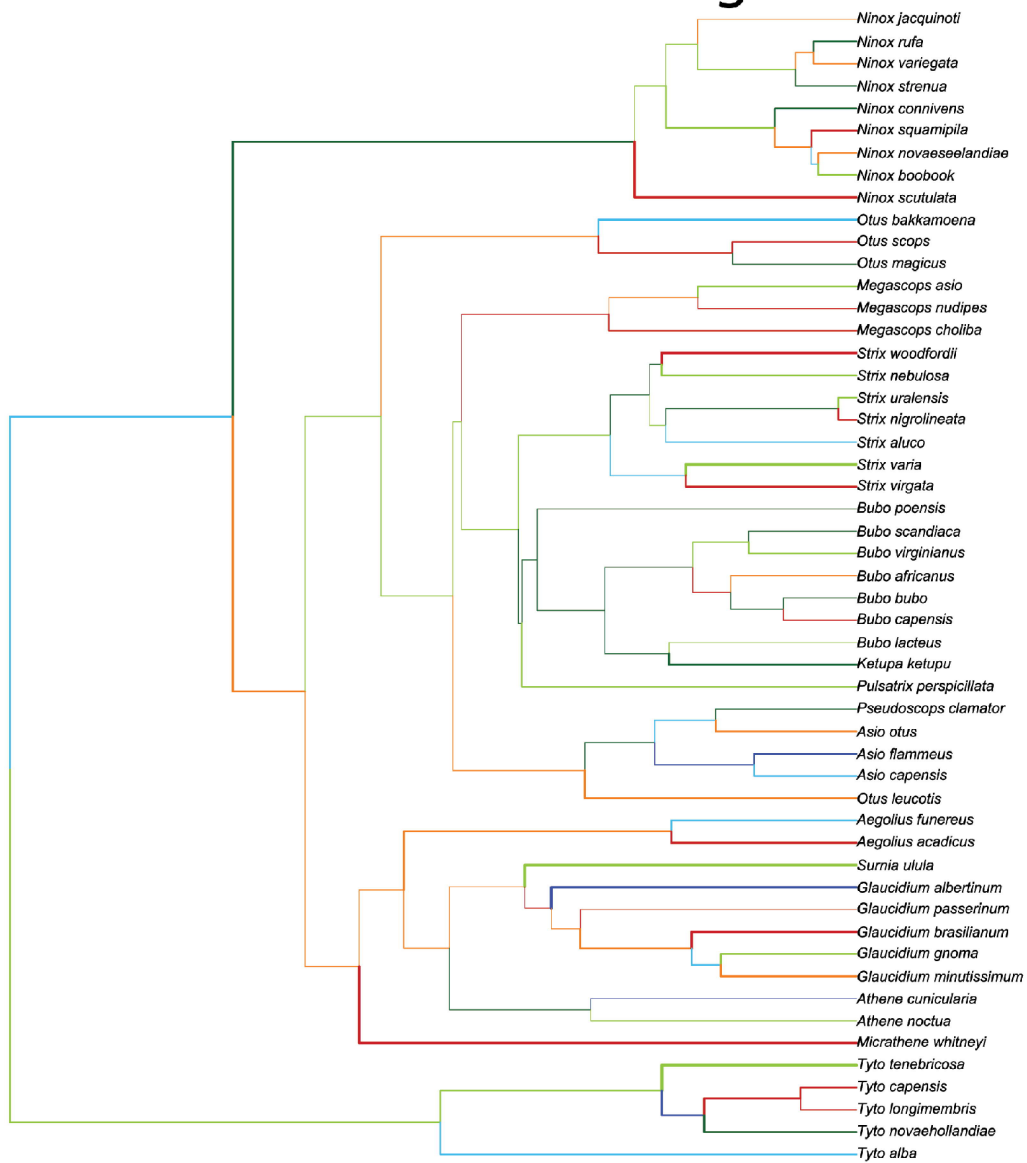
Coraciiformes



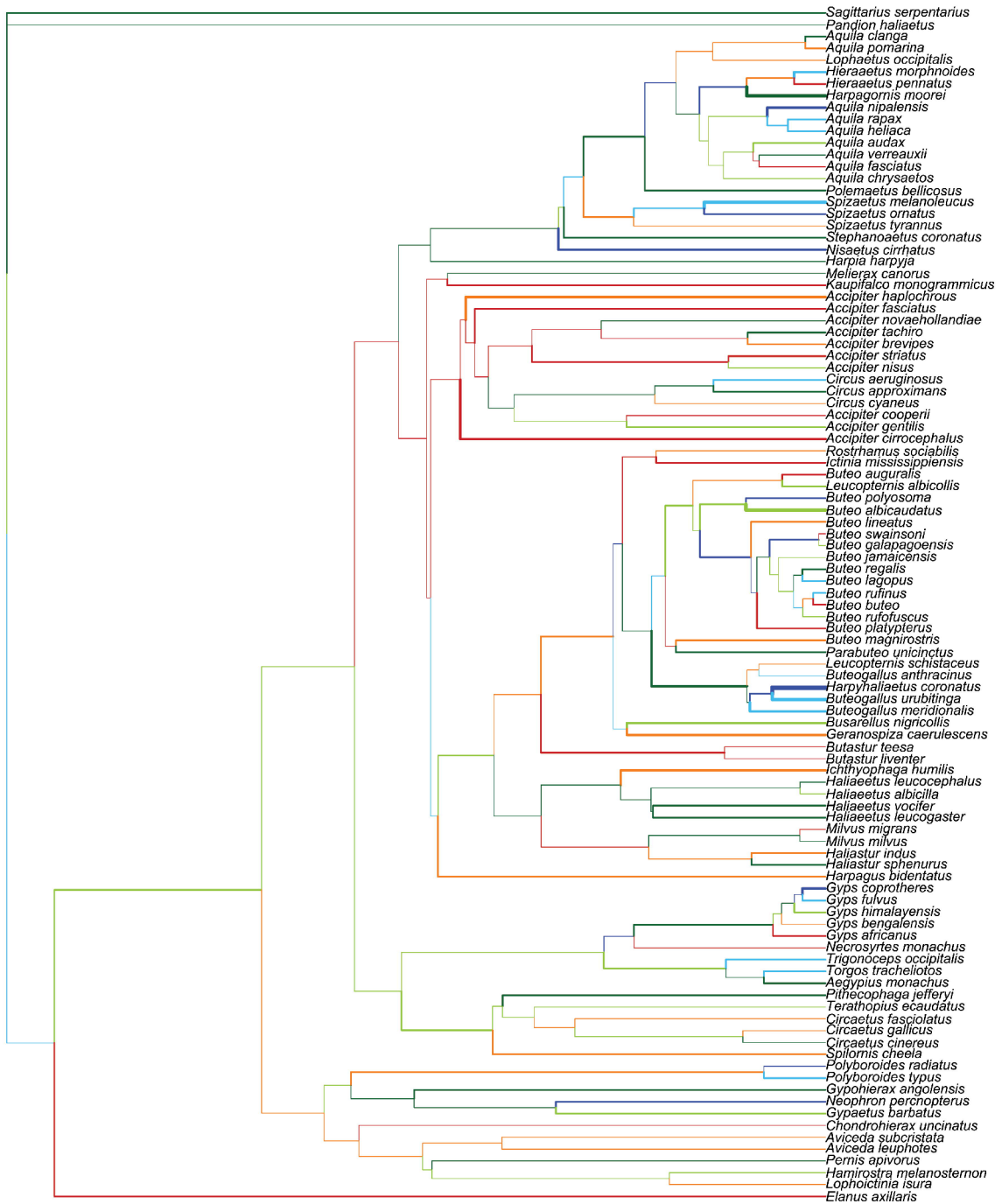
Piciformes



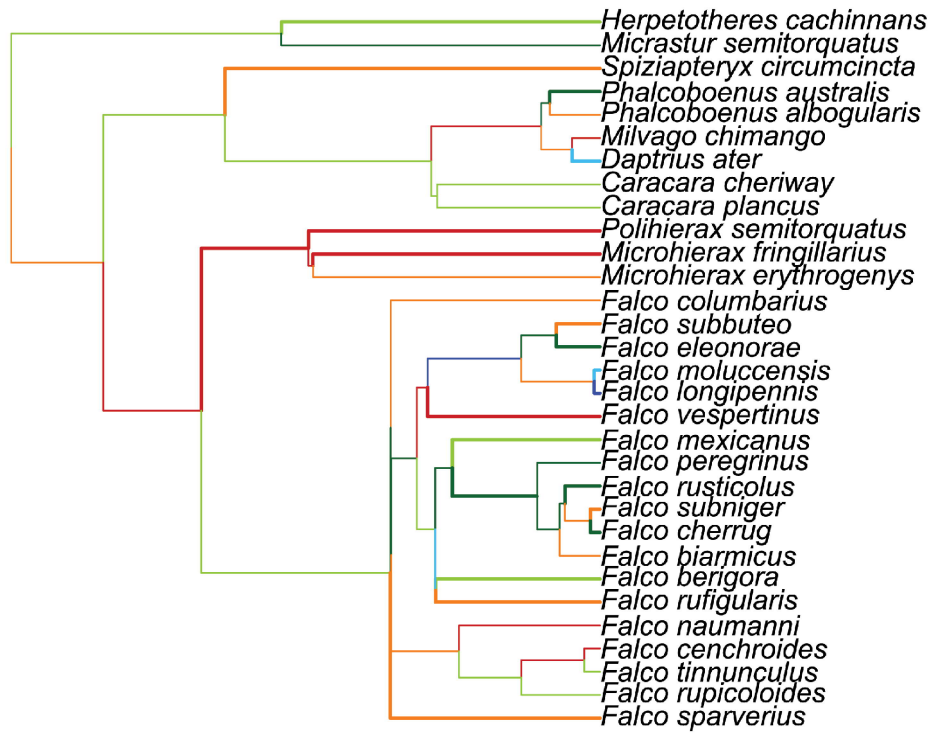
Strigiformes



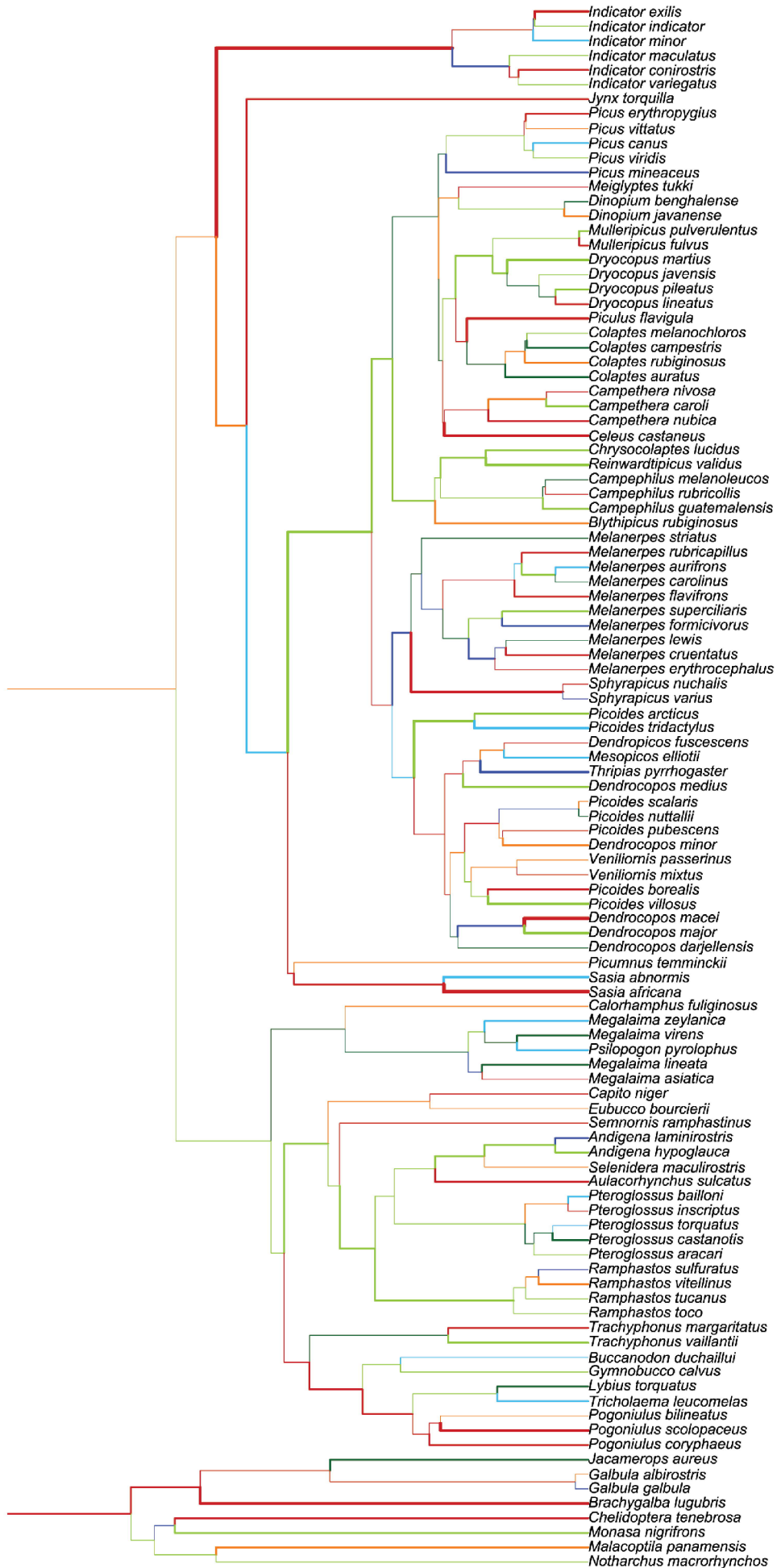
Accipitriformes



Falconiformes



Piciformes



Passeriformes

