**Figure 2, source data file 1**.

Dataset of plant (P), mammal (M), bird (B), squamate (S) and amphibian (A) phylogenies compiled in this study, including the taxonomic level (Tax. level), the crown age (in million years ago), the number of species on the clade (#spp), the number of Neotropical species (#spp Neotrop) and proportion, as well as the sampling fraction (*i.e.* the number of species sampled in the tree from the total number of species described in the group).

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Order** | **Family** | **Clade name** | **Tax. level** | **Crown Age** | **#spp** | **#spp**  **Neotrop** | **%**  **Neotrop** | **#spp**  **sampled** | **Samplig**  **fraction** | **Tree origin** | **#spp reference** |
| P1 | Asparagales | Orchidaceae | *Prosthechea* | genus | 2,88 | 112 | 112 | 100,00 | 13 | 0,12 | (1) | (2) |
| P2 | Asparagales | Orchidaceae | *Camaridium* | genus | 0,93 | 140 | 140 | 100,00 | 39 | 0,28 | (1) | (2) |
| P3 | Zingiberales | Zingiberaceae | *Renealmia* | genus | 43,02 | 76 | 61 | 80,26 | 12 | 0,16 | (1) | (3) |
| P4 | Zingiberales | Costaceae | *Costus*\_clade 1 | section | 13,8 | 80 | 40 | 50,00 | 10 | 0,13 | (1) | (4) |
| P5 | Zingiberales | Costaceae | *Costus*\_clade 2 | section | 7,32 | 80 | 40 | 50,00 | 10 | 0,13 | (1) | (4) |
| P6 | Magnoliales | Annonaceae | *Cremastosperma* | genus | 5,81 | 31 | 31 | 100,00 | 14 | 0,45 | (1) | (5) |
| P7 | Magnoliales | Annonaceae | Annonaceae-clade-2 | genus | 12,27 | 51 | 51 | 100,00 | 29 | 0,57 | (1) | (5) |
| P8 | Myrtales | Onagraceae | *Fuchsia* | genus | 11,87 | 108 | 103 | 95,37 | 15 | 0,14 | (1) | (6) |
| P9 | Myrtales | Melastomataceae | Melastomataceae-clade-1 | tribe | 19,62 | 72 | 72 | 100,00 | 11 | 0,15 | (1) | (7) |
| P10 | Rosales | Moraceae | Castilleae group | tribe | 25,52 | 59 | 59 | 100,00 | 24 | 0,41 | (1) | (2, 8) |
| P11 | Fabales | Fabaceae | *Andira*-clade | genus | 15,15 | 44 | 43 | 97,73 | 30 | 0,68 | (9) | (9) |
| P12 | Caryophyllales | Polygonaceae | Polygonaceae-clade-1 | genus | 13,04 | 43 | 43 | 100,00 | 15 | 0,35 | (1) | (2) |
| P13 | Ericales | Sapotaceae | *Sideroxylon* | genus | 56,3 | 81 | 49 | 60,49 | 26 | 0,32 | (10) | (2) |
| P14 | Ericales | Lecythidaceae | Lecythidaceae-clade-1 | genus | 26 | 50 | 50 | 100,00 | 10 | 0,20 | (1) | (2) |
| P15 | Ericales | Lecythidaceae | *Lecythis* | genus | 19,87 | 27 | 27 | 100,00 | 17 | 0,63 | (1) | (2, 11) |
| P16 | Ericales | Lecythidaceae | *Eschweilera* | genus | 7 | 92 | 92 | 100,00 | 19 | 0,21 | (1) | (2, 11) |
| P17 | Gentianales | Rubiaceae | Condamineeae | genus | 22,42 | 99 | 99 | 100,00 | 18 | 0,18 | (1) | (2) |
| P18 | Fabales | Fabaceae | *Amicia* | genus | 10,8 | 8 | 8 | 100,00 | 7 | 0,88 | (12) | (2) |
| P19 | Gentianales | Rubiaceae | Cinchoneideae-clade | Genus | 28,06 | 122 | 117 | 95,90 | 22 | 0,18 | (13) | (2) |
| P20 | Fabales | Fabaceae | *Coursetia* | Genus | 20,25 | 40 | 40 | 100,00 | 29 | 0,73 | (14) | (2) |
| P21 | Magnoliales | Annonaceae | *Guatteria* | genus | 20,76 | 254 | 254 | 100,00 | 103 | 0,41 | (15) | (2) |
| P22 | Chloranthales | Chlorantaceae | *Hedyosmum* | genus | 17,63 | 44 | 44 | 100,00 | 19 | 0,43 | (16) | (2) |
| P23 | Gentianales | Rubiaceae | Isertieae | tribe | 25,05 | 16 | 16 | 100,00 | 9 | 0,56 | (13) | (2) |
| P24 | Caryophyllales | Campanulaceae | Centropogonid\_clade | tribe | 17 | 550 | 550 | 100,00 | 200 | 0,36 | (17) | (17) |
| P25 | Cycadales | Zamiaceae | *Ceratozamia* | genus | 19,2 | 27 | 27 | 100,00 | 24 | 0,89 | (18) | (18) |
| P26 | Cycadales | Zamiaceae | *Zamia* | genus | 14,63 | 71 | 71 | 100,00 | 43 | 0,61 | (18) | (18) |
| P27 | Fabales | Fabaceae | *Lupinus*-clade-1 | subgenus | 4,67 | 35 | 35 | 100,00 | 19 | 0,54 | (19) | (19) |
| P28 | Fabales | Fabaceae | *Lupinus*-clade-2 | subgenus | 2,75 | 130 | 130 | 100,00 | 37 | 0,28 | (19) | (19) |
| P29 | Lamales | Bignoniaceae | *Tynanthus* | genus | 15,28 | 15 | 15 | 100,00 | 14 | 0,93 | (20) | (2) |
| P30 | Arecales | Arecaceae | *Sabal* | genus | 37,32 | 16 | 16 | 100,00 | 14 | 0,88 | (21) | (2) |
| P31 | Arecales | Arecaceae | Cryosophileae | tribe | 30,96 | 80 | 80 | 100,00 | 78 | 0,98 | (21) | (2) |
| P32 | Arecales | Arecaceae | *Copernicia* | genus | 20,51 | 28 | 28 | 100,00 | 22 | 0,79 | (21) | (2) |
| P33 | Arecales | Arecaceae | *Livistoninae*-clade-1 | tribe | 19,96 | 16 | 16 | 100,00 | 16 | 1,00 | (21) | (2) |
| P34 | Arecales | Arecaceae | Iriarteeae | tribe | 29,67 | 32 | 32 | 100,00 | 32 | 1,00 | (21) | (2) |
| P35 | Arecales | Arecaceae | Chamaedoreeae | tribe | 38,07 | 115 | 115 | 100,00 | 114 | 0,99 | (21) | (2) |
| P36 | Arecales | Arecaceae | Attaleinae | tribe | 27,09 | 156 | 156 | 100,00 | 154 | 0,99 | (21) | (2) |
| P37 | Arecales | Arecaceae | Elaeidinae+Bactridinae | tribe | 43,62 | 180 | 180 | 100,00 | 178 | 0,99 | (21) | (2) |
| P38 | Arecales | Arecaceae | Geonomateae | tribe | 26,92 | 102 | 102 | 100,00 | 102 | 1,00 | (21) | (2) |
| P39 | Arecales | Arecaceae | Euterpeae | tribe | 34,2 | 22 | 22 | 100,00 | 22 | 1,00 | (21) | (2) |
| P40 | Fabales | Fabaceae | *Piptadenia*-group | genus | 20,39 | 594 | 554 | 93,27 | 271 | 0,46 | (9) | (22) |
| P41 | Asparagales | Orchidaceae | Pleurothallidinae | tribe | 18,34 | 5100 | 5100 | 100,00 | 670 | 0,13 | (23) | (23) |
| P42 | Asparagales | Orchidaceae | Cymbidieae | tribe | 34,7 | 3700 | 3330 | 90,00 | 789 | 0,21 | (23) | (23) |
| P43 | Poales | Poaceae (Panicoideaea) | Paspaleae | tribe | 21 | 680 | 680 | 100,00 | 168 | 0,25 | (24) | (2) |
| P44 | Fabales | Fabaceae | *Inga* | genus | 6 | 381 | 381 | 100,00 | 126 | 0,33 | (25) | (2) |
| P45 | Lamiales | Gesneriaceae | Gesnerioideae | tribe | 48,44 | 1200 | 1200 | 100,00 | 588 | 0,49 | (26) | (26) |
| P46 | Sapindales | Burseraceae | Proteiae | tribe | 28,91 | 140 | 134 | 95,71 | 111 | 0,79 | (27) | (27) |
| P47 | Solanales | Solanaceae | Schizanthoideae-Goetzeoideae | tribe | 28,8 | 21 | 20 | 95,24 | 21 | 1,00 | (28, 29) | (28, 29) |
| P48 | Solanales | Solanaceae | Cestroideae | tribe | 32,21 | 221 | 221 | 100,00 | 50 | 0,23 | (28, 29) | (28, 29) |
| P49 | Solanales | Solanaceae | Petunioideae | tribe | 30,92 | 146 | 146 | 100,00 | 44 | 0,30 | (28, 29) | (28, 29) |
| P50 | Solanales | Solanaceae | Nolaneae | tribe | 7,2 | 89 | 89 | 100,00 | 63 | 0,71 | (28, 29) | (28, 29) |
| P51 | Solanales | Solanaceae | Physaleae | tribe | 21,78 | 448 | 371 | 82,81 | 198 | 0,44 | (28, 29) | (28, 29) |
| P52 | Solanales | Solanaceae | Solaneae | tribe | 20,79 | 1550 | 1000 | 64,52 | 495 | 0,32 | (28, 29) | (30) |
| P53 | Fabales | Detarioideae | *Brownea*-clade | tribe | 30,27 | 111 | 111 | 100,00 | 86 | 0,78 | (31) | (31) |
| P54 | Lamiales | Plantaginaceae | Angeloniae | tribe | 45,01 | 68 | 68 | 100,00 | 38 | 0,56 | (32) | (32) |
| P55 | Asparagales | Orchidaceae | Catasetinae | tribe | 19,5 | 262 | 262 | 100,00 | 120 | 0,46 | (23) | (2) |
| P56 | Myrtales | Myrtaceae | *Myrcia* s.l. | genus | 27,87 | 690 | 690 | 100,00 | 173 | 0,25 | (33) | (34) |
| P57 | Dioscoreales | Dioscoreaceae | Dioscoreaceae | family | 48,28 | 637 | 321 | 50,39 | 161 | 0,25 | (35) | (2, 35) |
| P58 | Malpighiales | Euphorbiaceae | *Croton* | genus | 42,54 | 1300 | 900 | 69,23 | 312 | 0,24 | (36) | (36, 37) |
| P59 | Magnoliales | Annonaceae | *Duguetia*-*Fusaea* | genus | 24,16 | 97 | 93 | 95,88 | 34 | 0,35 | (1) | (2) |
| P60 | Brassicales | Tropaeolaceae | *Tropaeolum* | genus | 35,74 | 88 | 88 | 100,00 | 16 | 0,18 | (1) | (2) |
| P61 | Malvales | Bombacoideae | *Eriotheca*-*Pachira* | genus | 8,68 | 110 | 109 | 99,09 | 14 | 0,13 | (1) | (2) |
| P62 | Sapindales | Simaroubaceae | *Simaba* | genus | 1,64 | 25 | 25 | 100,00 | 10 | 0,40 | (1) | (2) |
| P63 | Fabales | Fabaceae | *Leucaena* | genus | 0,87 | 24 | 24 | 100,00 | 10 | 0,42 | (1) | (2) |
| P64 | Caryophyllales | Cactaceae | *Pereskia* | genus | 4,56 | 17 | 17 | 100,00 | 10 | 0,59 | (1) | (2) |
| P65 | Ericales | Symplocaceae | *Symplocos* | genus | 21,5 | 300 | 105 | 35,00 | 32 | 0,11 | (1) | (38) |
| P66 | Gentianales | Apocynaceae | *Mandevilla* | genus | 0,49 | 174 | 174 | 100,00 | 48 | 0,28 | (1) | (2) |
| M1 | Xenarthra | Xenarthra | Xenarthra | order | 67,95 | 32 | 32 | 100 | 32 | 1,00 | (39) | (40) |
| M2 | Chiroptera | Phyllostomidae | Phyllostomidae | family | 48,47 | 194 | 194 | 100 | 194 | 1,00 | (41) | (40) |
| M3 | Chiroptera | Molossidae | Molossini | subgenus | 22,5 | 29 | 29 | 100 | 20 | 0,69 | (42) | (40) |
| M4 | Platyrrhini | Ceboidea | Ceboidea | superfam | 21,53 | 199 | 199 | 100 | 95 | 0,48 | (43) | (44) |
| M5 | Didelphimorphia | Didelphidae | Didelphidae | Family | 25,49 | 103 | 92 | 90 | 43 | 0,42 | (45) | (40) |
| M6 | Rodentia (Myomorpha) | Cricetidae | Sigmodontinae | subfam | 12,65 | 413 | 400 | 96,85 | 279 | 0,68 | (46) | (40) |
| M7 | Rodentia (Castorimorpha) | Heteromyidae | *Heteromys* | genus | 10,6 | 16 | 16 | 100 | 11 | 0,69 | (42) | (40) |
| M8 | Rodentia (Myomorpha) | Cricetidae | Neotominae-*Reithrodontomys* | genus | 13,8 | 22 | 18 | 81,82 | 10 | 0,45 | (42) | (40) |
| M9 | Chiroptera | Emballonuroidea | Diclidurini | tribe | 34,9 | 22 | 22 | 100 | 20 | 0,91 | (42) | (47) |
| M10 | Artiodactyla | Cervidae | Odocoileini | tribe | 8,54 | 19 | 17 | 89,47 | 11 | 0,58 | (48) | (40) |
| M11 | Carnivora | Mephitidae | New World Mephitidae | family | 16 | 10 | 10 | 100 | 10 | 1,00 | (49) | (40) |
| M12 | Rodentia (Caviomorpha) | Caviomorpha | Caviomorpha | parvorder | 35,27 | 244 | 244 | 100 | 199 | 0,82 | This study | (50) |
| B1 | Galliformes | Cracidae | Cracidae | family | 11,82 | 55 | 55 | 100 | 39 | 0,71 | (51) | (52) |
| B2 | Apodiformes | Trochilidae | Hummingbirds | family | 26,09 | 338 | 338 | 100 | 233 | 0,69 | (51) | (53) |
| B3 | Falconiformes | Falconidae | Caracarinae+*Spiziapteryx* | Subfam | 24,78 | 11 | 11 | 100 | 8 | 0,73 | (51) | (52) |
| B4 | Psittaciformes | Psittacidae | Psittacidae | Family | 28,95 | 167 | 157 | 94,01 | 118 | 0,71 | (51) | (52) |
| B5 | Passeriformes | Grallariidae-Rhinocryptidae | Grallariidae-Rhinocryptidae | family | 25,16 | 112 | 112 | 100 | 55 | 0,49 | (51) | (52) |
| B6 | Passeriformes | Melanopareiidae-Conopophagidae | Melanopareiidae-Conopophagidae | family | 23,42 | 15 | 15 | 100 | 9 | 0,60 | (51) | (52) |
| B7 | Passeriformes | Formicariidae | Formicariidae | family | 18,54 | 11 | 11 | 100 | 7 | 0,64 | (51) | (52) |
| B8 | Passeriformes | Thamnophilidae | Thamnophilidae | family | 16,82 | 234 | 234 | 100 | 165 | 0,71 | (51) | (52) |
| B9 | Passeriformes | Funariidae | Funariidae | family | 32,58 | 301 | 301 | 100 | 284 | 0,94 | (54) | (52) |
| B10 | Passeriformes | Tyrannoidea | Tyrannoidea | superfam | 25,5 | 400 | 400 | 100 | 316 | 0,79 | (51) | (52) |
| B11 | Passeriformes | Pipridae-Cotingidae | Pipridae-Cotingidae | family | 23,51 | 118 | 118 | 100 | 80 | 0,68 | (51) | (52) |
| B12 | Passeriformes | Vireonidae | Vireonidae | family | 20,15 | 52 | 42 | 80,77 | 19 | 0,37 | (51) | (55) |
| B13 | Passeriformes | Corvidae | Neot-Corvidae | family | 17,38 | 38 | 36 | 94,74 | 36 | 0,95 | (51) | (52) |
| B14 | Passeriformes | Turdidae | *Turdus* | genus | 8,19 | 46 | 44 | 95,65 | 39 | 0,85 | (51) | (52) |
| B15 | Passeriformes | Turdidae | Neotrop-Turdidae | genus | 13,10 | 18 | 17 | 94,44 | 17 | 0,94 | (51) | (52) |
| B16 | Passeriformes | Certhioidea | Polioptilidae-Troglodytidae | family | 24,50 | 108 | 100 | 92,59 | 67 | 0,62 | (51) | (52) |
| B17 | Passeriformes | Fringillidae | *Euphonia* | genus | 13,1 | 27 | 27 | 100 | 10 | 0,37 | (51) | (52) |
| B18 | Passeriformes | Passerellidae | Passerellidae | family | 11,2 | 90 | 60 | 66,67 | 89 | 0,99 | (51) | (52) |
| B19 | Passeriformes | Icteridae | Icteridae | family | 12,02 | 103 | 103 | 100 | 92 | 0,89 | (51) | (52) |
| B20 | Passeriformes | Cardinalidae | Cardinalidae | family | 18,03 | 50 | 50 | 100 | 41 | 0,82 | (51) | (52) |
| B21 | Passeriformes | Thraupidae | Thraupidae | family | 15,56 | 400 | 400 | 100 | 309 | 0,77 | (51) | (52) |
| B22 | Trogoniformes | Trogonidae | *Trogon-Priotelus* | genus | 24,66 | 23 | 23 | 100 | 20 | 0,87 | (51) | (52) |
| B23 | Piciformes | Picidae | Neotrop-*Picini* | tribe | 9,36 | 33 | 23 | 69,70 | 25 | 0,76 | (51) | (52) |
| B24 | Piciformes | Picidae | *Campephilus* (Neotrop-*Megapicini*) | genus | 6,01 | 11 | 11 | 100 | 10 | 0,91 | (51) | (52) |
| B25 | Piciformes | Picidae | *Melanerpes* | genus | 10,53 | 24 | 20 | 83,33 | 12 | 0,50 | (51) | (52) |
| B26 | Piciformes | Picidae | *Veniliornis* | genus | 5,38 | 14 | 14 | 100 | 12 | 0,86 | (51) | (52) |
| B27 | Piciformes | Picidae | *Picumnus* | genus | 12,17 | 28 | 28 | 100 | 8 | 0,29 | (51) | (52) |
| B28 | Piciformes | Ramphastides | Capitonidae, Semnornithidae,Ramphastidae | infraord | 20,11 | 59 | 59 | 100 | 44 | 0,75 | (51) | (52) |
| B29 | Galbuliformes | Bucconidae | Neotrop-Bucconidae | family | 42,09 | 37 | 37 | 100 | 10 | 0,27 | (51) | (52) |
| B30 | Accipitriformes | Accipitridae | *Buteogallus* | genus | 9,64 | 9 | 9 | 100 | 9 | 1,00 | (51) | (52) |
| B31 | Columbiformes | Columbidae | *Patagioenas* | genus | 11,05 | 17 | 17 | 100 | 12 | 0,71 | (51) | (52) |
| B32 | Columbiformes | Columbidae | Neotrop-Columbinae | tribe | 20,68 | 17 | 17 | 100 | 13 | 0,76 | (51) | (52) |
| S1 | Squamata | Colubridae (sf: Dipsadidae) | Colubridae (sf: Dipsadidae) | tribe | 34,35 | 154 | 154 | 100,00 | 76 | 0,49 | (56) | (57) |
| S2 | Squamata | Colubridae (sf: Colubrinae) | Colubridae (sf: Colubrinae) | tribe | 26,03 | 39 | 28 | 71,79 | 15 | 0,38 | (56) | (57) |
| S3 | Squamata | Elapidae | Elapidae | family | 21,78 | 80 | 80 | 100,00 | 19 | 0,24 | (56) | (57) |
| S4 | Squamata | Viperidae (sf. Crotalinae) | Viperidae (sf. Crotalinae) | tribe | 21,14 | 21 | 21 | 100,00 | 13 | 0,62 | (56) | (57) |
| S5 | Squamata | Viperidae (sf. Crotalinae) | Viperidae (sf. Crotalinae) | tribe | 21,41 | 71 | 71 | 100,00 | 43 | 0,61 | (56) | (57) |
| S6 | Squamata | Boidae | Boidae | family | 44,84 | 32 | 32 | 100,00 | 15 | 0,47 | (56) | (57) |
| S7 | Squamata | Aniliidae, Tropidophiidae | Aniliidae, Tropidophiidae | family | 80,54 | 35 | 35 | 100,00 | 9 | 0,26 | (56) | (57) |
| S8 | Squamata | Typhlopidae | Typhlopidae | family | 43,74 | 59 | 59 | 100,00 | 29 | 0,49 | (56) | (57) |
| S9 | Squamata | Corytophanidae, Dactyloidae | Corytophanidae, Dactyloidae | family | 83,4 | 436 | 436 | 100,00 | 214 | 0,49 | (56) | (57) |
| S10 | Squamata | Liolaemidae | Liolaemidae | family | 71,14 | 308 | 308 | 100,00 | 119 | 0,39 | (56) | (57) |
| S11 | Squamata | Leiosauridae | Leiosauridae | family | 42,19 | 33 | 33 | 100,00 | 11 | 0,33 | (56) | (57) |
| S12 | Squamata | Polychrotidae, Hoplocercidae | Polychrotidae, Hoplocercidae | family | 81,21 | 27 | 27 | 100,00 | 12 | 0,44 | (56) | (57) |
| S13 | Squamata | Phrynosomatidae | Phrynosomatidae | family | 19,79 | 102 | 50 | 49,02 | 44 | 0,43 | (56) | (57) |
| S14 | Squamata | Iguanidae | Iguanidae | family | 34,56 | 29 | 29 | 100,00 | 22 | 0,76 | (56) | (57) |
| S15 | Squamata | Tropiduridae | Tropiduridae | family | 88,47 | 136 | 136 | 100,00 | 78 | 0,57 | (56) | (57) |
| S16 | Squamata | Anguidae (Gerrhonotinae) | Anguidae (Gerrhonotinae) | tribe | 26,47 | 43 | 43 | 100,00 | 18 | 0,42 | (56) | (57) |
| S17 | Squamata | Amphisbaenidae | Amphisbaenidae | family | 48,84 | 95 | 95 | 100,00 | 37 | 0,39 | (56) | (57) |
| S18 | Squamata | Teiidae, Alopoglossidae, Gymnophthalmidae | Teiidae, Alopoglossidae, Gymnophthalmidae | family | 86,27 | 337 | 292 | 86,65 | 144 | 0,43 | (56) | (57) |
| S19 | Squamata | Scincidae (Mabuyinae) | Scincidae (Mabuyinae) | tribe | 25,22 | 60 | 60 | 100,00 | 20 | 0,33 | (56) | (57) |
| S20 | Squamata | Xantusiidae | Xantusiidae | family | 36,33 | 19 | 19 | 100,00 | 16 | 0,84 | (56) | (57) |
| S21 | Squamata | Phyllodactylidae | Phyllodactylidae | family | 66,91 | 65 | 65 | 100,00 | 20 | 0,31 | (56) | (57) |
| S22 | Squamata | Sphaerodactylidae | Sphaerodactylidae | family | 70,88 | 170 | 170 | 100,00 | 69 | 0,41 | (56) | (57) |
| S23 | Squamata | Colubridae (sf: Dipsadidae) | Colubridae (sf: Dipsadidae) | tribe | 34,42 | 123 | 123 | 100,00 | 60 | 0,49 | (56) | (57) |
| S24 | Squamata | Colubridae (sf: Dipsadidae) | Colubridae (sf: Dipsadidae) | tribe | 29,25 | 313 | 313 | 100,00 | 45 | 0,14 | (56) | (57) |
| A1 | Anura | Aromobatidae | Aromobatidae | family | 67,18 | 127 | 127 | 100 | 118 | 0,93 | (58) | (59) |
| A2 | Anura | Dendrobatidae | Dendrobatidae | family | 61,2 | 136 | 136 | 100 | 136 | 1,00 | (58) | (59) |
| A3 | Anura | Hemiphractidae | Hemiphractidae | family | 80,69 | 109 | 109 | 100 | 86 | 0,79 | (58) | (59) |
| A4 | Anura | Eleutherodactylidae | Eleutherodactylidae | family | 72,08 | 217 | 212 | 97,7 | 170 | 0,78 | (58) | (59) |
| A5 | Anura | Craugastoridae (sf: Craugastorinae, excluding Haddadus) | Craugastoridae (sf: Craugastorinae, excluding Haddadus) | family | 69,87 | 131 | 126 | 96,2 | 61 | 0,47 | (58) | (60) |
| A6 | Anura | Craugastoridae (Ceuthomantinae and (part of) Holoadeninae (other is paraphyletic)) | Craugastoridae (Ceuthomantinae and (part of) Holoadeninae (other is paraphyletic)) | family | 68,16 | 625 | 625 | 100 | 295 | 0,47 | (58) | (60) |
| A7 | Anura | Hylidae (Phyllomedusinae) | Hylidae (Phyllomedusinae) | tribe | 54,78 | 63 | 63 | 100 | 50 | 0,79 | (58) | (61) |
| A8 | Anura | Hylidae (Hylinae) | Hylidae (Hylinae) | tribe | 69,93 | 183 | 183 | 100 | 117 | 0,64 | (58) | (59) |
| A9 | Anura | Hylidae (Hylinae) | Hylidae (Hylinae) | tribe | 72,8 | 252 | 252 | 100 | 147 | 0,58 | (58) | (59) |
| A10 | Anura | Hylidae (Lophyohylinae) | Hylidae (Lophyohylinae) | tribe | 43,23 | 85 | 85 | 100 | 60 | 0,71 | (58) | (59) |
| A11 | Anura | Odontophrynidae, Ceratophryidae, Rhinodermatidae, Telmatobiidae, Cycloramphidae, Hylodidae, Batrichylidae, Alsodidae | Odontophrynidae, Ceratophryidae, Rhinodermatidae, Telmatobiidae, Cycloramphidae, Hylodidae, Batrichylidae, Alsodidae | family | 87,37 | 259 | 259 | 100 | 127 | 0,49 | (58) | (59) |
| A12 | Anura | Leptodactylidae | Leptodactylidae | family | 78,07 | 211 | 211 | 100 | 186 | 0,88 | (58) | (59) |
| A13 | Anura | Centrolenidae | Centrolenidae | family | 33,39 | 158 | 158 | 100 | 128 | 0,81 | (58) | (59) |
| A14 | Anura | Bufonidae | Bufonidae | family | 53,95 | 119 | 119 | 100 | 54 | 0,45 | (58) | (59) |
| A15 | Anura | Bufonidae | Bufonidae | family | 33,89 | 157 | 132 | 84 | 110 | 0,70 | (58) | (60, 61) |
| A16 | Caudata | Plethodontidae (sf: Hemidactyliinae) | Plethodontidae (sf: Hemidactyliinae) | family | 73,05 | 307 | 307 | 100 | 159 | 0,52 | (62) | (59) |

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