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SI Text

Taxonomic Considerations. The recent discovery that *Brachycephalus* is allied with the eleutherodactylines (1, 2) has made uncertain the valid family name for *Eleutherodactylus* and its relatives. However, the decision to place all ~800 species of eleutherodactylines in the family *Brachycephalidae* (2, 3) was based on analysis of 16 eleutherodactyline species, only six of which were from South America (2). In our analyses here of many more species, *Brachycephalus* appears in a basal position in the trees and does not group significantly with any species or clade of eleutherodactylines (SI Figs. 5–13). The association of *Brachycephalus* with the eleutherodactyline lineage, in itself, does not require the use of the family name *Brachycephalidae* for the entire assemblage. If multiple families are recognized, the correct allocation of these names will depend on a more robust phylogeny, especially concerning the basal branches. For example, *Brachycephalidae* might be appropriate only for *Brachycephalus*, with one or more other family names applied to the eleutherodactylines. Also, the suggestion by Frost *et al.* (2) that two genera of eleutherodactylines might be close relatives of *Brachycephalus* was not supported in a recent morphological study (4). For these reasons, we use *Brachycephalidae* as a family name only for *Brachycephalus* and refer in this current study to the remaining assemblage of genera and species as "eleutherodactyline" frogs, pending further study.

Assignment of unsampled species to the major clades (genera) defined here (SI Table 2) was based largely on their species-group affiliation. Although our analyses show many changes in content for previously defined species groups, most species assigned to the same species group are placed here in the same genus. Exceptions include *Phrynobius* and species from southeast Brazil, which will require further systematic study (see below).

We restrict the generic name *Eleutherodactylus* Duméril and Bibron, 1841 (type species, *Hylodes martinicensis*) to the Caribbean Clade and continue recognition of the included subgenera. The subgenus *Eleutherodactylus* is now restricted to the West Indies, and *Syrrophus* includes two species in Cuba (*E. symingtoni* and *E. zeus*), besides those in Middle America. *Eleutherodactylus couonouspeus* will be assigned to a new subgenus elsewhere. We consider *Eleutherodactylus planirostris rogersi* as a species (*Eleutherodactylus rogersi*) distinct from *E. planirostris* because they were not found to be closest relatives.

Because sequence data are unavailable for the type species of *Phrynobius* Peters, 1873 (*Phrynobius peruanus*), it is not possible to allocate that generic name to the separate clades defined here as including species of "*Phrynobius*," and, therefore, we make no changes in their generic status. The molecular phylogeny (Fig. 2) places into question the validity of the morphological species groups, restricting us from making any assumptions about species believed to be closely related to *P. peruanus* based on morphology.

The Southeast Brazil Clade is a similar situation in that we lack sequence data for the type species (*Eleutherodactylus verrucosus*) of the earliest possible generic name for the group, *Ischnocnema* Reinhardt and Lütken, 1862. However, in this case, we have confidence that the generic name *Eleutherodactylus* (The Caribbean Clade) does not apply to any of the species, based on geography and morphology (5–7). Also, our analyses (Fig. 2) indicate that *E. binotatus* and, by implication, its close relative *E. plicifer*, belong to a separate genus that we will name elsewhere. These two species also have an unusually long first finger which appears to set them apart from almost all of the other species of *Eleutherodactylus* in southeast Brazil except *E. paulodutrai* and *E. ramagii*, which differ significantly in other characters (5, 6). Although the number of species in this study from the Southeast Brazil Clade is small (four), they represent several clusters of species, each sharing a suite of morphological traits indicating relatedness (5–9). By implication, this increases the size of the clade to a minimum of 12 species: *E. epipedus*, *E. erythromerus*, *E. gualteri*, *E. guentheri*, *E. hoehnei*, *E. izecksohni*, *E. juipoca*, *E. nasutus*, *E. oeus*, *E. parvus*, *E. pusillus*, and *E. vinhai*.

Until additional data are collected, we cannot say with confidence that *E. verrucosus* and the remaining species of *Eleutherodactylus* in southeastern Brazil belong to this Southeast Brazil Clade. Nonetheless, those remaining species form several clusters themselves (e.g., *lacteus* group and *ramagii* group) and some species, in the past, have been placed in the same morphological species group (6) along with species that we confidently place in the Southeast Brazil Clade. Until further study can clarify the relationships of these species, and considering the geographic isolation of this group, we assign all of the species of *Eleutherodactylus* in southeastern Brazil (excluding *E. binotatus* and *E. plicifer*) to the genus *Ischnocnema*.

For the large South American Clade, we resurrect the name *Pristimantis* Jiménez de la Espada, 1870 (type species, *Pristimantis galldi*). *P. galldi* has been placed in the *unistrigatus* group of *Eleutherodactylus* (10), a species group that contains species that appear in the South American Clade in our analyses. After this study was completed, we obtained sequence of this species and have confirmed that it is highly nested in the South American Clade. For the clade encompassing members of the *anomalus*, *bifoniformis*, and *sulcatus* groups, we apply the available name *Limnophys* Jiménez de la Espada, 1871 (type species, *Limnophys cornutus*). The clade including members of the *dolops* and *nigrovittatus* groups, as well as some species of *Phrynobius*, requires a new generic name, which will be described elsewhere. Further details on all of these taxonomic decisions will be treated elsewhere by us in a monograph on the classification of this complex of >800 species.

Geographic Distributions of Major Clades. Although the three major clades (the Caribbean Clade, the Middle American Clade, and the South American Clade) are strongly associated with geography, each includes species that occur in other areas. In the Caribbean Clade, 24 members of the subgenus *Syrrophus* (all except *Eleutherodactylus zeus* and *E. symingtoni*) occur in North and Middle America. In the Middle American Clade, five species (*Craugastor crassidigitus*, *C. fitzingeri*, *C. longirostris*, *C. opimus*, and *C. raniformis*) occur in both Central and South America, and one (*C. biporcatus*) is endemic to South America. In the South American Clade, two species are endemic to the Lesser Antilles (*Pristimantis euphorionides* and *P. shrevei*), nine are endemic to southern Central America (*P. altae*, *P. cerasinus*, *P. diastema*, *P. hylaformis*, *P. laticorpus*, *P. museosus*, *P. pardalis*, *P. pirrensis*, and *P. tigrillo*), and nine are found in Central and South America (*P. achatinus*, *P. caryophyllaceus*, *P. cruentus*, *P. gaigeae*, *P. moro*, *P. quidditus*, *P. ridens*, *P. taeniatus*, and *P. vocator*). It can be assumed that those species of *Craugastor* and *Pristimantis* occurring in both Central and South America achieved their current distributions through Pliocene or later overland dispersal. However, the possibility of over-water dispersal for *C. biporcatus* or endemic Central American *Pristimantis* cannot be excluded. Our data set includes none of these endemics, so no determination based on times of divergence can be made. Thus, recent (<3 Mya) speciation or overland dispersal, followed by source-area extinction, or earlier over-water dispersal all remain possible explanations for the current distributions of these species.

Data Collection. In addition to broadly sampling the eleutherodactyline genera, our data set also spans a broad geographic range. Included were seven eleutherodactyline species from Southeast Brazil (plus one species of *Brachycephalus*), 116 from other parts of South America, 19 Middle American species, and 140 West Indian species. These regions respectively contain totals of 47, 477, 154, and 149 described species.

Tissue samples were hand-collected by using approved methods (Pennsylvania State University Institutional Animal Care and Use Committee approval 17632, for those collected by S.B.H.). They were frozen in liquid nitrogen or preserved in ethanol and kept cold during transport. Additional ethanol-preserved or frozen tissue samples were obtained from museum sources or other researchers. In the laboratory, samples were maintained at -80°C. In addition to sequences generated from these tissues, additional sequences were obtained from GenBank. SI Table 4 lists all individual specimens used in this study, including source, tissue collection number (if applicable), museum voucher number (if available), genes sampled, and corresponding GenBank accession numbers for each sequence. We chose the *12S* and *16S* genes because of their slower rate of evolution, as compared to other mitochondrial genes, in an attempt to avoid saturation problems (multiple nucleotide substitutions at the same site). The fragment of nuclear gene *Tyr* was chosen because it has proven informative in other anuran studies (2, 11). The fragment of nuclear gene *Rag-1* is from the relatively faster-evolving first half of the gene.

Genomic DNA was extracted using the Qiagen DNeasy tissue extraction kit under the manufacturer's protocol. PCR amplification of samples was performed in 50-ml reactions using AmpliTaq DNA polymerase and ThermoPol buffer (New England Biolabs). For amplification of mitochondrial genes, each reaction contained ThermoPol buffer at 1×, dNTPs at 4 mM, forward and reverse primers at 1 mM, one unit of polymerase, and 1 ml of extracted DNA (more for low-quality tissue). For amplification of nuclear genes, dNTP was increased to 6.6 mM, polymerase to 2.5 units, and extracted DNA to 5 ml. Standard reaction conditions were an initial hold for 5 min at 94°C, followed by 40 cycles of 94°C for 30 s, 50°C for 30 s, and 72°C for 60 s. After 40 cycles, a final hold of 72°C for 7 min was performed before terminating the reaction at 4°C. For low- or nonyielding samples, annealing temperature was dropped from 50°C to 46°C. Primers used in PCR reactions were obtained from the literature or designed in the lab (see SI Table 5). Amplified PCR products were isolated by running on agarose gels and filtering with Millipore Ultrafree-DA gel filters or by vacuum filtration using Millipore Multiscreen filters.

Cycle sequencing was performed by using either the Amersham Pharmacia DYEnamic ET terminator cycle sequencing kit or ABI BigDye terminator cycle sequencing kit under manufacturers' guidelines. DNA sequencing was performed with an ABI 3100-Avant or 3730 genetic analyzer. Cycle sequencing and analysis were performed by the authors or by the Pennsylvania State University Nucleic Acid Facility. All fragments were sequenced in both forward and reverse directions.

Before analyses involving any sequence, all chromatograms were fully inspected, and all sequences were compared against their reverse complement to detect any call errors. Embedded primer sequences were deleted from all sequence fragments before assembly or alignment. Alignments of *12S* and *16S* sequences were created by using CLUSTAL X under default parameters. Resulting alignments were inspected for errors and compared against secondary structure models available from the European ribosomal RNA database. Regions of

uncertain homology were excluded from analysis. Sequences for *Rag-1* and *Tyr* were aligned by eye.

Phylogenetic Analyses. In certain cases, species deemed important to the study were missing large parts of data for one gene. This was due in part to the lack of available tissues or GenBank sequences and in part to the inability to amplify or sequence certain regions. In these instances, the available sequences were used, and unknown regions were coded as missing data. Additionally, 7 species in the 65-species data set were missing data for one of the two nuclear genes (SI Table 4). In the case of *Limnophys anomalus*, the sequence of the closely related species *L. bufoformis* was substituted for the *Tyr* fragment because *L. anomalus* was the only species of *Limnophys* in the 65 species data set and *Tyr* is the least variable gene in our study.

Model choice for likelihood and minimum evolution analyses were based partly on the limitations of the software packages used. Our preferred model for all analyses was GTR + I + G. However, neither RAxML nor MEGA can employ this model. Therefore, substitute models available in each package close to the GTR + I + G model were chosen for likelihood and minimum evolution analyses.

Bayesian analyses were run for 20,000,000 (280-species), 10,000,000 (146-species), or 2,000,000 (65-species) generations with three heated and one cold chain. Chains were sampled every 1,000, 500, or 100 generations, respectively. The first 25% of samples were discarded as burn-in. To ensure that this was an adequate number of samples discarded for each analysis, plots of log likelihood vs. generation were produced for every Bayesian analysis. In all cases, the region of increasing log likelihood values was encompassed in the first 25% of samples. Convergence for each Bayesian analysis was assessed by using the program Tracer 1.3 (12) to obtain estimated sample sizes for each model parameter (six substitution frequency categories, four nucleotide frequency categories, g-parameter, proportion of invariant sites, tree length, and log likelihood). Estimated sample sizes of each parameter were >100 for both independent runs of nearly all analyses, except for a substitution frequency (ESS = 99) and a nucleotide frequency parameter (ESS = 90) for one of the 146-species runs, the tree length parameter (ESS = 98) for the other 146-species run, and the tree length parameter (ESS = 94) for one run of the 65-species nuclear + mitochondrial data set. All ESS values were >200 when the two independent runs of each analysis were combined.

For the 65-species dataset, ME, ML, and Bayesian analyses were run with the nuclear gene data set separately (data not shown). The same major clades appeared in all of these analyses.

Divergence Time Estimation. Geologic times and boundaries of periods used here are from a recent update (13). The five chosen calibrations were based on several independent lines of evidence. Jamaica did not become permanently emergent until 10 Mya (14, 15), setting a maximum time for basal divergences in the Jamaican clade (including representative species *E. gossei* and *E. luteolus*). The Hispaniolan South Island has a similar geologic history (16), setting a maximum time of 10 Mya for the basal divergence in the South Island clade (e.g., between representative species *E. thorectes* and *E. caribe*). An *Eleutherodactylus* fossil in amber from northern Hispaniola (17) is dated 15–20 Mya (18). The fossil is assumed to be in the subgenus *Eleutherodactylus* based on location (North Island of Hispaniola), age (older than uplift of South Island), and normal head width as compared with members of the subgenus *Pelorius* (which are wide-headed) (19). This establishes a minimum date for the origin of the lineage leading to the subgenus *Eleutherodactylus* on Hispaniola (divergence of the subgenera *Pelorius* and *Eleutherodactylus*). Australian hylids (pelodryadines) are most closely related to South American hylids (phyllomedusines), and probably arrived by overland dispersal via Antarctica (20, 21). The time window for this dispersal was 35–70 Mya (22–25), providing constraints for the divergence of representatives *Litoria caerulea* and *Agalychnis callidryas*.

Multidivtime requires prior estimates for rttm, rtsd, rrate, rtratesd, brownmean, brownsd, and bigtime. The prior for the rttm (in-group root) parameter was set at 65 Mya based on recent data (26) that place hyloid family divergences near the K-T boundary. Rttmsd, the standard deviation of rttm, was set at 25 Mya. This is a conservative estimate, considering that the true date of the ingroup root is almost certainly less than one standard deviation from rttm in either direction. Higher values of rttm (80 Mya) and rttmsd (40 Mya) were also used to test their results on timing analyses. The prior for rrate was set at 0.0075 for the mt analysis, 0.0015 for the nuclear analysis, and 0.0035 for the combined analysis. These values were obtained by first dividing the typical root-to-tip branch length for each gene (as determined by estbranches in the Multidivtime package) by rttm, and then taking the average of these values for the genes used in each respective analysis. As a conservative measure, the prior for rtratesd was set equal to rrate in each analysis. The prior for brownmean was set at 0.0125, arrived at by dividing one by rttm. The prior for brownsd was set equal to brownmean because of the large measure of uncertainty in the prior for brownmean. Bigtime was set at 150 Mya. All other parameters (minab, newwk, othk, thek) were maintained at default values. Analyses were run for 1,100,000 generations, with a sample frequency of 100 after a burn-in of 100,000 generations.

In addition to the times presented (SI Table 3), analyses were also performed with higher values for the rttm and rttmsd priors (see SI Text). Changing these priors had little effect on resulting dates, which differed by <3% when both rttm and rttmsd are increased, and by even less if only one of the priors was increased.

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Table 2. Taxonomic listing of all eleutherodactylines and *Brachycephalus* (812 sp.)

<i>Eleutherodactylus'binotatus</i> [*]	Spix, 1824
<i>Eleutherodactylus'plicifer</i> [*]	Boulenger, 1888
<i>Eleutherodactylus'cruralis</i> [†]	Boulenger, 1902
<i>Eleutherodactylus'discoidalis</i> [†]	Peracca, 1895
<i>Eleutherodactylus'heterodactylus</i> [†]	Miranda-Ribeiro, 1937
<i>Eleutherodactylus'tibisci</i> [†]	Reichle, Lötters and de la Riva, 2001
<i>Eleutherodactylus'madidi</i> [†]	Padial, González, and De la Riva, 2005
<i>Eleutherodactylus'pereger</i>	Lynch, 1975
<i>Eleutherodactylus'zongoensis</i> [†]	Reichle and Köhler, 1997
<i>Eleutherodactylus'udercus</i> [‡]	Lynch, 2003
<i>Eleutherodactylus'araiodactylus</i> [‡]	Duellman and Pramuk, 1999
<i>Eleutherodactylus'babax</i> [‡]	Lynch, 1989
<i>Eleutherodactylus'dolops</i> [‡]	Lynch and Duellman, 1980
<i>Eleutherodactylus'elassodiscus</i> [‡]	Lynch, 1973
<i>Eleutherodactylus'fallaciosus</i> [‡]	Duellman, 2000
<i>Eleutherodactylus'flavomaculatus</i> [‡]	Parker, 1938
<i>Eleutherodactylus'latens</i> [‡]	Lynch, 1989
<i>Eleutherodactylus'lucida</i> [‡]	Cannatella, 1984
<i>Eleutherodactylus'lundbergi</i> [‡]	Lehr, 2005
<i>Eleutherodactylus'mantipus</i> [‡]	Boulenger, 1908
<i>Eleutherodactylus'hebulanastes</i> [‡]	Cannatella, 1984
<i>Eleutherodactylus'higrovittatus</i> [‡]	Andersson, 1945
<i>Phrynobatrachus'brunneus</i> [‡]	Lynch, 1975
<i>Phrynobatrachus'peraccii</i> [‡]	Lynch, 1975

<i>Adelophryne adiastola</i>	Hoogmoed and Lescure, 1984
<i>Adelophryne baturitensis</i>	Hoogmoed, Borges, and Cascon, 1994
<i>Adelophryne gutturosa</i>	Hoogmoed and Lescure, 1984
<i>Adelophryne maranguapensis</i>	Hoogmoed, Borges, and Cascon, 1994
<i>Adelophryne pachydactyla</i>	Hoogmoed, Borges, and Cascon, 1994
<i>Atopophrynus syntomopus</i>	Lynch and Ruiz-Carranza, 1982
<i>Barycholos pulcher</i>	Boulenger, 1898
<i>Barycholos ternetzi</i>	Miranda-Ribeiro, 1937
<i>Brachycephalus alipioi</i>	Pombal and Gasparini, 2006
<i>Brachycephalus brunneus</i>	Ribero, Alves, Haddad, and Dos Reis, 2005
<i>Brachycephalus didactylus</i>	Izecksohn, 1971
<i>Brachycephalus ephippium</i>	Spix, 1824
<i>Brachycephalus ferruginosus</i>	Alves, Ribeiro, Haddad, and Dos Reis, 2006
<i>Brachycephalus hermogenesi</i>	Giarettta and Sawaya, 1998
<i>Brachycephalus izecksohni</i>	Ribero, Alves, Haddad, and Dos Reis, 2005
<i>Brachycephalus nodoterga</i>	Miranda-Ribeiro, 1920
<i>Brachycephalus pernix</i>	Pombal, Wistuba, and Bornschein, 1998
<i>Brachycephalus pombali</i>	Alves, Ribeiro, Haddad, and Dos Reis, 2006
<i>Brachycephalus vertebralis</i>	Pombal, 2001
<i>Craugastor adamastus</i>	Campbell, 1994
<i>Craugastor alfredi</i>	Boulenger, 1898
<i>Craugastor amniscola</i>	Campbell and Savage, 2000
<i>Craugastor anciano</i>	Savage, McCranie and Wilson, 1988
<i>Craugastor andi</i>	Savage, 1974
<i>Craugastor angelicus</i>	Savage, 1975
<i>Craugastor aphanus</i>	Campbell, 1994
<i>Craugastor augusti</i>	Dugès, 1879
<i>Craugastor aurilegulus</i>	Savage, McCranie and Wilson, 1988
<i>Craugastor azueroensis</i>	Savage, 1975
<i>Craugastor batrachylus</i>	Taylor, 1940
<i>Craugastor berkenbuschii</i>	Peters, 1870

<i>Craugastor biporcatus</i>	Peters, 1863
<i>Craugastor bocouri</i>	Brocchi, 1877
<i>Craugastor bransfordii</i>	Cope, 1886
<i>Craugastor brocchi</i>	Boulenger, 1882
<i>Craugastor campbelli</i>	Smith, 2005
<i>Craugastor catalinae</i>	Campbell and Savage, 2000
<i>Craugastor chac</i>	Savage, 1987
<i>Craugastor charadra</i>	Campbell and Savage, 2000
<i>Craugastor chrysosetetes</i>	McCranie, Savage and Wilson, 1989
<i>Craugastor coffeus</i>	McCranie and Köhler, 1999
<i>Craugastor crassidigitus</i>	Taylor, 1952
<i>Craugastor cruzi</i>	McCranie, Savage and Wilson, 1989
<i>Craugastor cuaquero</i>	Savage, 1980
<i>Craugastor cyanochthebius</i>	McCranie and Smith, 2006
<i>Craugastor daryi</i>	Ford and Savage, 1984
<i>Craugastor decoratus</i>	Taylor, 1942
<i>Craugastor emcelae</i>	Lynch, 1985
<i>Craugastor emleni</i>	Dunn and Emlen, 1932
<i>Craugastor epochthidius</i>	McCranie and Wilson, 1997
<i>Craugastor escoces</i>	Savage, 1975
<i>Craugastor fecundus</i>	McCranie and Wilson, 1997
<i>Craugastor fitzingeri</i>	Schmidt, 1857
<i>Craugastor fleischmanni</i>	Boettger, 1892
<i>Craugastor galacticorhinus</i>	Canseco-Márquez and Smith, 2004
<i>Craugastor glaucus</i>	Lynch, 1967
<i>Craugastor gollmeri</i>	Peters, 1863
<i>Craugastor greggi</i>	Bumzahem, 1955
<i>Craugastor guerreroensis</i>	Lynch, 1967
<i>Craugastor gulosus</i>	Cope, 1875
<i>Craugastor hobartsmithi</i>	Taylor, 1937
<i>Craugastor inachus</i>	Campbell and Savage, 2000

<i>Craugastor jota</i>	Lynch, 1980
<i>Craugastor laevissimus</i>	Werner, 1896
<i>Craugastor laticeps</i>	Duméril, 1853
<i>Craugastor lauraster</i>	Savage, McCranie and Espinal, 1996
<i>Craugastor lineatus</i>	Brocchi, 1879
<i>Craugastor loki</i>	Shannon and Werler, 1955
<i>Craugastor longirostris</i>	Boulenger, 1898
<i>Craugastor matudai</i>	Taylor, 1941
<i>Craugastor megacephalus</i>	Cope, 1875
<i>Craugastor megalotympanum</i>	Shannon and Werler, 1955
<i>Craugastor melanostictus</i>	Cope, 1875
<i>Craugastor merendonensis</i>	Schmidt, 1933
<i>Craugastor mexicanus</i>	Brocchi, 1877
<i>Craugastor milesi</i>	Schmidt, 1933
<i>Craugastor mimus</i>	Taylor, 1955
<i>Craugastor monnichorum</i>	Dunn, 1940
<i>Craugastor montanus</i>	Lynch, 1965
<i>Craugastor myllomylon</i>	Savage, 2000
<i>Craugastor nefrens</i>	Smith, 2005
<i>Craugastor noblei</i>	Barbour and Dunn, 1921
<i>Craugastor obesus</i>	Barbour, 1928
<i>Craugastor occidentalis</i>	Taylor, 1941
<i>Craugastor olanchano</i>	McCranie and Wilson, 1999
<i>Craugastor omiltemanus</i>	Günther, 1900
<i>Craugastor omoaensis</i>	McCranie and Wilson, 1997
<i>Craugastor opimus</i>	Savage and Myers, 2002
<i>Craugastor palenque</i>	Campbell and Savage, 2000
<i>Craugastor pechorum</i>	McCranie and Wilson, 1999
<i>Craugastor pelorus</i>	Campbell and Savage, 2000
<i>Craugastor persimilis</i>	Barbour, 1926
<i>Craugastor phasma</i>	Lips and Savage, 1996

<i>Craugastor podiciferus</i>	Cope, 1875
<i>Craugastor polymniae</i>	Campbell, Lamar and Hillis, 1989
<i>Craugastor polyptychus</i>	Cope, 1886
<i>Craugastor pozo</i>	Johnson and Savage, 1995
<i>Craugastor psephosypharus</i>	Campbell, Savage and Meyer, 1994
<i>Craugastor punctariolus</i>	Peters, 1863
<i>Craugastor pygmaeus</i>	Taylor, 1937
<i>Craugastor raniformis</i>	Boulenger, 1896
<i>Craugastor ranoides</i>	Cope, 1886
<i>Craugastor rayo</i>	Savage and DeWeese, 1979
<i>Craugastor rhodopis</i>	Cope, 1867
<i>Craugastor rhyacobatrachus</i>	Campbell and Savage, 2000
<i>Craugastor rivulus</i>	Campbell and Savage, 2000
<i>Craugastor rostralis</i>	Werner, 1896
<i>Craugastor rugosus</i>	Peters, 1873
<i>Craugastor rugulosus</i>	Cope, 1870
<i>Craugastor rupinius</i>	Campbell and Savage, 2000
<i>Craugastor sabrinus</i>	Campbell and Savage, 2000
<i>Craugastor saltuarius</i>	McCranie and Wilson, 1997
<i>Craugastor sandersoni</i>	Schmidt, 1941
<i>Craugastor silvicola</i>	Lynch, 1967
<i>Craugastor spatulatus</i>	Smith, 1939
<i>Craugastor stadelmani</i>	Schmidt, 1936
<i>Craugastor stejnegerianus</i>	Cope, 1893
<i>Craugastor stuarti</i>	Lynch, 1967
<i>Craugastor tabasarae</i>	Savage, Hollingsworth, Lips, and Jaslow, 2004
<i>Craugastor talamancae</i>	Dunn, 1931
<i>Craugastor tarahumaraensis</i>	Taylor, 1940
<i>Craugastor taurus</i>	Taylor, 1958
<i>Craugastor taylori</i>	Lynch, 1966
<i>Craugastor trachydermus</i>	Campbell, 1994

<i>Craugastor underwoodi</i>	Boulenger, 1896
<i>Craugastor uno</i>	Savage, 1984
<i>Craugastor vocalis</i>	Taylor, 1940
<i>Craugastor vulcani</i>	Shannon and Werler, 1955
<i>Craugastor xucanebi</i>	Stuart, 1941
<i>Craugastor yucatanensis</i>	Lynch, 1965
<i>Dischidodactylus colonnelloi</i>	Ayarzagüena, 1985
<i>Dischidodactylus duidensis</i>	Rivero, 1968
<i>Eleutherodactylus (Eleutherodactylus) abbotti</i>	Cochran, 1923
<i>Eleutherodactylus (Eleutherodactylus) amplinympha</i>	Kaiser, Green and Schmid, 1994
<i>Eleutherodactylus (Eleutherodactylus) antillensis</i>	Reinhardt and Lütken, 1863
<i>Eleutherodactylus (Eleutherodactylus) audanti</i>	Cochran, 1934
<i>Eleutherodactylus (Eleutherodactylus) auriculatoides</i>	Noble, 1923
<i>Eleutherodactylus (Eleutherodactylus) auriculatus</i>	Cope, 1862
<i>Eleutherodactylus (Eleutherodactylus) barlagnei</i>	Lynch, 1965
<i>Eleutherodactylus (Eleutherodactylus) bartonsmithi</i>	Schwartz, 1960
<i>Eleutherodactylus (Eleutherodactylus) brittoni</i>	Schmidt, 1920
<i>Eleutherodactylus (Eleutherodactylus) cochranae</i>	Grant, 1932
<i>Eleutherodactylus (Eleutherodactylus) cooki</i>	Grant, 1932
<i>Eleutherodactylus (Eleutherodactylus) coqui</i>	Thomas, 1966
<i>Eleutherodactylus (Eleutherodactylus) eileenae</i>	Dunn, 1926
<i>Eleutherodactylus (Eleutherodactylus) eneidae</i>	Rivero, 1959
<i>Eleutherodactylus (Eleutherodactylus) flavescentes</i>	Noble, 1923
<i>Eleutherodactylus (Eleutherodactylus) fowleri</i>	Schwartz, 1973
<i>Eleutherodactylus (Eleutherodactylus) glamyrus</i>	Estrada and Hedges, 1997
<i>Eleutherodactylus (Eleutherodactylus) gryllus</i>	Schmidt, 1920
<i>Eleutherodactylus (Eleutherodactylus) guantanamensis</i>	Hedges, Estrada and Thomas, 1992
<i>Eleutherodactylus (Eleutherodactylus) haitianus</i>	Barbour, 1942
<i>Eleutherodactylus (Eleutherodactylus) hedricki</i>	Rivero, 1963
<i>Eleutherodactylus (Eleutherodactylus) ionthus</i>	Schwartz, 1960
<i>Eleutherodactylus (Eleutherodactylus) jasperi</i>	Drewry and Jones, 1976

<i>Eleutherodactylus (Eleutherodactylus) johnstonei</i>	Barbour, 1914
<i>Eleutherodactylus (Eleutherodactylus) karlschmidti</i>	Grant, 1931
<i>Eleutherodactylus (Eleutherodactylus) lamprotes</i>	Schwartz, 1973
<i>Eleutherodactylus (Eleutherodactylus) leberi</i>	Schwartz, 1965
<i>Eleutherodactylus (Eleutherodactylus) locustus</i>	Schmidt, 1920
<i>Eleutherodactylus (Eleutherodactylus) mariposa</i>	Hedges, Estrada and Thomas, 1992
<i>Eleutherodactylus (Eleutherodactylus) martinicensis</i>	Tschudi, 1838
<i>Eleutherodactylus (Eleutherodactylus) metacara</i>	Hedges, Estrada and Thomas, 1992
<i>Eleutherodactylus (Eleutherodactylus) minutus</i>	Noble, 1923
<i>Eleutherodactylus (Eleutherodactylus) montanus</i>	Schmidt, 1919
<i>Eleutherodactylus (Eleutherodactylus) parabates</i>	Schwartz, 1964
<i>Eleutherodactylus (Eleutherodactylus) patriciae</i>	Schwartz, 1965
<i>Eleutherodactylus (Eleutherodactylus) pinchoni</i>	Schwartz, 1967
<i>Eleutherodactylus (Eleutherodactylus) pituinus</i>	Schwartz, 1965
<i>Eleutherodactylus (Eleutherodactylus) poolei</i>	Cochran, 1938
<i>Eleutherodactylus (Eleutherodactylus) portoricensis</i>	Schmidt, 1927
<i>Eleutherodactylus (Eleutherodactylus) principalis</i>	Estrada and Hedges, 1997
<i>Eleutherodactylus (Eleutherodactylus) richmondi</i>	Stejneger, 1904
<i>Eleutherodactylus (Eleutherodactylus) ronaldi</i>	Schwartz, 1960
<i>Eleutherodactylus (Eleutherodactylus) schwartzii</i>	Thomas, 1966
<i>Eleutherodactylus (Eleutherodactylus) unicolor</i>	Stejneger, 1904
<i>Eleutherodactylus (Eleutherodactylus) varians</i>	Gundlach and Peters, 1864
<i>Eleutherodactylus (Eleutherodactylus) wetmorei</i>	Cochran, 1932
<i>Eleutherodactylus (Eleutherodactylus) wightmanae</i>	Schmidt, 1920
<i>Eleutherodactylus (Euhyas) acmonis</i>	Schwartz, 1960
<i>Eleutherodactylus (Euhyas) adelus</i>	Diaz, Cadiz and Hedges, 2003
<i>Eleutherodactylus (Euhyas) albipes</i>	Barbour and Shreve, 1937
<i>Eleutherodactylus (Euhyas) alcoae</i>	Schwartz, 1971
<i>Eleutherodactylus (Euhyas) alticola</i>	Lynn, 1937
<i>Eleutherodactylus (Euhyas) amadeus</i>	Hedges, Thomas and Franz, 1987
<i>Eleutherodactylus (Euhyas) andrewsi</i>	Lynn, 1937

<i>Eleutherodactylus (Euhyas) apostates</i>	Schwartz, 1973
<i>Eleutherodactylus (Euhyas) armstrongi</i>	Noble and Hassler, 1933
<i>Eleutherodactylus (Euhyas) atkinsi</i>	Dunn, 1925
<i>Eleutherodactylus (Euhyas) bakeri</i>	Cochran, 1935
<i>Eleutherodactylus (Euhyas) blairhedgesi</i>	Estrada, Diaz and Rodriguez, 1998
<i>Eleutherodactylus (Euhyas) bresslerae</i>	Schwartz, 1960
<i>Eleutherodactylus (Euhyas) brevirostris</i>	Shreve, 1936
<i>Eleutherodactylus (Euhyas) caribe</i>	Hedges and Thomas, 1992
<i>Eleutherodactylus (Euhyas) casparii</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) cavernicola</i>	Lynn, 1954
<i>Eleutherodactylus (Euhyas) corona</i>	Hedges and Thomas, 1992
<i>Eleutherodactylus (Euhyas) cubanus</i>	Barbour, 1942
<i>Eleutherodactylus (Euhyas) cundalli</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) cuneatus</i>	Cope, 1862
<i>Eleutherodactylus (Euhyas) darlingtoni</i>	Cochran, 1935
<i>Eleutherodactylus (Euhyas) dimidiatus</i>	Cope, 1862
<i>Eleutherodactylus (Euhyas) dolomedes</i>	Hedges and Thomas, 1992
<i>Eleutherodactylus (Euhyas) emiliae</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) etheridgei</i>	Schwartz, 1958
<i>Eleutherodactylus (Euhyas) eunaster</i>	Schwartz, 1973
<i>Eleutherodactylus (Euhyas) furcyensis</i>	Shreve and Williams, 1963
<i>Eleutherodactylus (Euhyas) fuscus</i>	Lynn and Dent, 1943
<i>Eleutherodactylus (Euhyas) glandulifer</i>	Cochran, 1935
<i>Eleutherodactylus (Euhyas) glanduliferooides</i>	Shreve, 1936
<i>Eleutherodactylus (Euhyas) glaphycompus</i>	Schwartz, 1973
<i>Eleutherodactylus (Euhyas) glaucoreius</i>	Schwartz and Fowler, 1973
<i>Eleutherodactylus (Euhyas) goini</i>	Schwartz, 1960
<i>Eleutherodactylus (Euhyas) gossei</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) grabhami</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) grahami</i>	Schwartz, 1979
<i>Eleutherodactylus (Euhyas) greyi</i>	Dunn, 1926

<i>Eleutherodactylus (Euhyas) griphus</i>	Crombie, 1986
<i>Eleutherodactylus (Euhyas) guanahacabibes</i>	Estrada and Rodriguez, 1985
<i>Eleutherodactylus (Euhyas) gundlachi</i>	Schmidt, 1920
<i>Eleutherodactylus (Euhyas) heminota</i>	Shreve and Williams, 1963
<i>Eleutherodactylus (Euhyas) iberia</i>	Estrada and Hedges, 1996
<i>Eleutherodactylus (Euhyas) intermedius</i>	Barbour and Shreve, 1937
<i>Eleutherodactylus (Euhyas) jamaicensis</i>	Barbour, 1910
<i>Eleutherodactylus (Euhyas) jaumei</i>	Estrada and Alonso, 1997
<i>Eleutherodactylus (Euhyas) jugans</i>	Cochran, 1937
<i>Eleutherodactylus (Euhyas) junori</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) klinikowskii</i>	Schwartz, 1959
<i>Eleutherodactylus (Euhyas) latus</i>	Cope, 1862
<i>Eleutherodactylus (Euhyas) leoncei</i>	Shreve and Williams, 1963
<i>Eleutherodactylus (Euhyas) limbatus</i>	Cope, 1862
<i>Eleutherodactylus (Euhyas) lucioi</i>	Schwartz, 1980
<i>Eleutherodactylus (Euhyas) luteolus</i>	Gosse, 1851
<i>Eleutherodactylus (Euhyas) maestrensis</i>	Díaz, Cádiz, and Navarro, 2005
<i>Eleutherodactylus (Euhyas) michaelschmidti</i>	Díaz, Cádiz, and Navarro, 2007
<i>Eleutherodactylus (Euhyas) monensis</i>	Meerwarth, 1901
<i>Eleutherodactylus (Euhyas) nubicola</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) orcutti</i>	Dunn, 1928
<i>Eleutherodactylus (Euhyas) orientalis</i>	Barbour and Shreve, 1973
<i>Eleutherodactylus (Euhyas) oxyrhyncus</i>	Duméril and Bibron, 1841
<i>Eleutherodactylus (Euhyas) pantoni</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) paulsoni</i>	Schwartz, 1964
<i>Eleutherodactylus (Euhyas) pentasyringos</i>	Schwartz and Fowler, 1973
<i>Eleutherodactylus (Euhyas) pezopetrus</i>	Schwartz, 1960
<i>Eleutherodactylus (Euhyas) pictissimus</i>	Cochran, 1935
<i>Eleutherodactylus (Euhyas) pinarensis</i>	Dunn, 1926
<i>Eleutherodactylus (Euhyas) planirostris</i>	Cope, 1862
<i>Eleutherodactylus (Euhyas) probolaeus</i>	Schwartz, 1965

<i>Eleutherodactylus (Euhyas) rhodesi</i>	Schwartz, 1980
<i>Eleutherodactylus (Euhyas) ricordii</i>	Duméril and Bibron, 1841
<i>Eleutherodactylus (Euhyas) riparius</i>	Estrada and Hedges, 1998
<i>Eleutherodactylus (Euhyas) rivularis</i>	Diaz, Estrada and Hedges, 2001
<i>Eleutherodactylus (Euhyas) rogersi</i>	Goin, 1955
<i>Eleutherodactylus (Euhyas) rufifemoralis</i>	Noble and Hassler, 1933
<i>Eleutherodactylus (Euhyas) schmidti</i>	Noble, 1923
<i>Eleutherodactylus (Euhyas) sciagraphus</i>	Schwartz, 1973
<i>Eleutherodactylus (Euhyas) semipalmatus</i>	Shreve, 1936
<i>Eleutherodactylus (Euhyas) simulans</i>	Díaz and Fong, 2001
<i>Eleutherodactylus (Euhyas) sisypheodemus</i>	Crombie, 1977
<i>Eleutherodactylus (Euhyas) tetajulia</i>	Estrada and Hedges, 1996
<i>Eleutherodactylus (Euhyas) thomasi</i>	Schwartz, 1959
<i>Eleutherodactylus (Euhyas) thorectes</i>	Hedges, 1988
<i>Eleutherodactylus (Euhyas) toa</i>	Estrada and Hedges, 1991
<i>Eleutherodactylus (Euhyas) tonyi</i>	Estrada and Hedges, 1997
<i>Eleutherodactylus (Euhyas) turquinensis</i>	Barbour and Shreve, 1937
<i>Eleutherodactylus (Euhyas) varleyi</i>	Dunn, 1925
<i>Eleutherodactylus (Euhyas) ventrilineatus</i>	Shreve, 1936
<i>Eleutherodactylus (Euhyas) warreni</i>	Schwartz, 1976
<i>Eleutherodactylus (Euhyas) weinlandi</i>	Barbour, 1914
<i>Eleutherodactylus (Euhyas) zugi</i>	Schwartz, 1958
<i>Eleutherodactylus (Pelorius) chlorophenax</i>	Schwartz, 1976
<i>Eleutherodactylus (Pelorius) hypostenor</i>	Schwartz, 1965
<i>Eleutherodactylus (Pelorius) inoptatus</i>	Barbour, 1914
<i>Eleutherodactylus (Pelorius) nortoni</i>	Schwartz, 1976
<i>Eleutherodactylus (Pelorius) parapelates</i>	Hedges and Thomas, 1987
<i>Eleutherodactylus (Pelorius) ruthae</i>	Noble, 1923
<i>Eleutherodactylus (Syrrhopus) albolabris</i>	Lynch, 1991
<i>Eleutherodactylus (Syrrhopus) angustidigitorum</i>	Taylor, 1940
<i>Eleutherodactylus (Syrrhopus) cystignathoides</i>	Cope, 1817

<i>Eleutherodactylus (Syrrhophus) dennisi</i>	Lynch, 1970
<i>Eleutherodactylus (Syrrhophus) dilatus</i>	Davis and Dixon, 1955
<i>Eleutherodactylus (Syrrhophus) grandis</i>	Dixon, 1957
<i>Eleutherodactylus (Syrrhophus) guttilatus</i>	Cope, 1979
<i>Eleutherodactylus (Syrrhophus) interorbitalis</i>	Langebartel and Shannon, 1956
<i>Eleutherodactylus (Syrrhophus) leprus</i>	Cope, 1879
<i>Eleutherodactylus (Syrrhophus) longipes</i>	Baird, 1859
<i>Eleutherodactylus (Syrrhophus) marnockii</i>	Cope, 1878
<i>Eleutherodactylus (Syrrhophus) maurus</i>	Hedges, 1989
<i>Eleutherodactylus (Syrrhophus) modestus</i>	Taylor, 1942
<i>Eleutherodactylus (Syrrhophus) nitidus</i>	Peters, 1870
<i>Eleutherodactylus (Syrrhophus) nivicolimae</i>	Dixon and Webb, 1996
<i>Eleutherodactylus (Syrrhophus) pallidus</i>	Duellman, 1958
<i>Eleutherodactylus (Syrrhophus) pipilans</i>	Taylor, 1940
<i>Eleutherodactylus (Syrrhophus) rubrimaculatus</i>	Taylor and Smith, 1945
<i>Eleutherodactylus (Syrrhophus) rufescens</i>	Duellman and Dixon, 1959
<i>Eleutherodactylus (Syrrhophus) saxatilis</i>	Webb, 1962
<i>Eleutherodactylus (Syrrhophus) symingtoni</i>	Schwartz, 1957
<i>Eleutherodactylus (Syrrhophus) syristes</i>	Hoyt, 1965
<i>Eleutherodactylus (Syrrhophus) teretistes</i>	Duellman, 1958
<i>Eleutherodactylus (Syrrhophus) verrucipes</i>	Cope, 1885
<i>Eleutherodactylus (Syrrhophus) verruculatus</i>	Peters, 1870
<i>Eleutherodactylus (Syrrhophus) zeus</i>	Schwartz, 1958
<i>Eleutherodactylus counouspeus</i>	Schwartz, 1964
<i>Euparkerella brasiliensis</i>	Parker, 1926
<i>Euparkerella cochranae</i>	Izecksohn, 1988
<i>Euparkerella robusta</i>	Izecksohn, 1988
<i>Euparkerella tridactyla</i>	Izecksohn, 1988
<i>Geobatrachus walkeri</i>	Ruthveni, 1915
<i>Holoaden bradei</i>	Lutz, 1958
<i>Holoaden luederwaldti</i>	Miranda-Ribero, 1920

<i>Ischnocnema bilineata</i>	Bokermann, 1975
<i>Ischnocnema bolbodactyla</i>	Lutz, 1925
<i>Ischnocnema epipedea</i>	Heyer, 1984
<i>Ischnocnema erythromera</i>	Heyer, 1984
<i>Ischnocnema gehrti</i>	Miranda-Ribeiro, 1926
<i>Ischnocnema gualteri</i>	Lutz, 1974
<i>Ischnocnema guentheri</i>	Steindachner, 1864
<i>Ischnocnema henselii</i>	Peters, 1870
<i>Ischnocnema hoehnei</i>	Lutz, 1958
<i>Ischnocnema holti</i>	Cochran, 1948
<i>Ischnocnema izecksohni</i>	Caramaschi and Kistemaker, 1989
<i>Ischnocnema jutipoca</i>	Sazima and Cardoso, 1978
<i>Ischnocnema lactea</i>	Miranda-Ribeiro, 1923
<i>Ischnocnema manezinho</i>	Garcia, 1996
<i>Ischnocnema nasuta</i>	Lutz, 1925
<i>Ischnocnema nigriventris</i>	Lutz, 1925
<i>Ischnocnema octavioi</i>	Bokermann, 1965
<i>Ischnocnema oeus</i>	Heyer, 1984
<i>Ischnocnema paranaensis</i>	Langone and Segalla, 1996
<i>Ischnocnema parva</i>	Girard, 1853
<i>Ischnocnema paulodutrai</i>	Bokermann, 1975
<i>Ischnocnema pusilla</i>	Bokermann, 1967
<i>Ischnocnema ramagii</i>	Boulenger, 1888
<i>Ischnocnema randorum</i>	Heyer, 1985
<i>Ischnocnema sambaqui</i>	Castanho and Haddad, 2000
<i>Ischnocnema spanios</i>	Heyer, 1985
<i>Ischnocnema venancioi</i>	Lutz, 1958
<i>Ischnocnema verrucosa</i>	Reinhardt and Lütken, 1862
<i>Ischnocnema vinhai</i>	Bokermann, 1975
<i>Limnophys anatipes</i>	Lynch and Myers, 1983
<i>Limnophys anomalus</i>	Boulenger, 1898

<i>Limnophys bufoniformis</i>	Boulenger, 1896
<i>Limnophys cadenai</i>	Lynch, 1986
<i>Limnophys cerastes</i>	Lynch, 1975
<i>Limnophys cheiroplethus</i>	Lynch, 1990
<i>Limnophys cornutus</i>	Jiménez de la Espada, 1871
<i>Limnophys helonotus</i>	Lynch, 1975
<i>Limnophys ingeri</i>	Cochran and Goin, 1961
<i>Limnophys laticorpus</i>	Myers and Lynch, 1997
<i>Limnophys necerus</i>	Lynch, 1975
<i>Limnophys necopinus</i>	Lynch, 1997
<i>Limnophys ruizi</i>	Lynch, 1981
<i>Limnophys sulcatus</i>	Cope, 1874
<i>Limnophys zygodactylus</i>	Lynch and Myers, 1983
<i>Oreobates choristolemma</i>	Harvey and Sheehy, 2005
<i>Oreobates quixensis</i>	Jiménez de la Espada, 1872
<i>Oreobates sanctaecrucis</i>	Harvey and Keck, 1995
<i>Oreobates sanderi</i>	Padial, Reichle, and De la Riva
<i>Oreobates saxatilis</i>	Duellman, 1990
<i>Oreobates simmonsi</i>	Padial, Reichle, and De La Riva, 2005
<i>Phrynobatrachus adenobrachius</i>	Ardila-Robayo, Ruiz-Carranza, and Barrera-Rodriguez, 1996
<i>Phrynobatrachus adenopleurus</i>	Aguayo-Vedia and Harvey, 2001
<i>Phrynobatrachus bagrecitoi</i>	Lynch, 1986
<i>Phrynobatrachus barthlenae</i>	Lehr and Aguilar, 2002
<i>Phrynobatrachus boettgeri</i>	Lehr, 2006
<i>Phrynobatrachus bracki</i>	Hedges, 1990
<i>Phrynobatrachus bufooides</i>	Lehr, Lundberg, and Aguilar, 2005
<i>Phrynobatrachus columbianus</i>	Werner, 1899
<i>Phrynobatrachus cophites</i>	Lynch, 1975
<i>Phrynobatrachus dagmarae</i>	Lehr, Aguilar, and Köhler, 2002
<i>Phrynobatrachus heimorum</i>	Lehr, 2001
<i>Phrynobatrachus horstpauli</i>	Lehr, Köhler, and Ponce, 2000

<i>Phrynobatrachus iatamasi</i>	Aguayo-Vedia and Harvey, 2001
<i>Phrynobatrachus juninensis</i>	Shreve, 1938
<i>Phrynobatrachus kaueorum</i>	Lehr, Aguilar, and Köhler, 2002
<i>Phrynobatrachus kempffi</i>	De la Riva, 1992
<i>Phrynobatrachus montium</i>	Shreve, 1938
<i>Phrynobatrachus nanus</i>	Goin and Cochran, 1963
<i>Phrynobatrachus parkeri</i>	Lynch, 1975
<i>Phrynobatrachus paucari</i>	Lehr, Lundberg, and Aguilar, 2005
<i>Phrynobatrachus peruanus</i>	Peters, 1873
<i>Phrynobatrachus peruvianus</i>	Noble, 1921
<i>Phrynobatrachus pesantesi</i>	Lehr, Lundberg, and Aguilar, 2005
<i>Phrynobatrachus pinguis</i>	Harvey and Ergueta, 1998
<i>Phrynobatrachus tautzorum</i>	Lehr and Aguilar, 2003
<i>Phrynobatrachus thompsoni</i>	Duellman, 2000
<i>Phrynobatrachus wettsteini</i>	Parker, 1932
<i>Phyllonastes carrascoicola</i>	De la Riva and Köhler, 1998
<i>Phyllonastes duellmani</i>	Lehr, Aguilar, and Lundberg, 2004
<i>Phyllonastes heyeri</i>	Lynch, 1986
<i>Phyllonastes lochites</i>	Lynch, 1976
<i>Phyllonastes lynchi</i>	Duellman, 1991
<i>Phyllonastes myrmecoides</i>	Lynch, 1976
<i>Phyllonastes ritarasquinae</i>	Köhler, 2000
<i>Phyzelaphryne miriamae</i>	Heyer, 1977
<i>Pristimantis aaptus</i>	Lynch and Lescure, 1980
<i>Pristimantis acatallelus</i>	Lynch and Ruiz-Carranza, 1983
<i>Pristimantis acerus</i>	Lynch and Duellman, 1980
<i>Pristimantis achatinus</i>	Boulenger, 1898
<i>Pristimantis actinolaimus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis actites</i>	Lynch, 1979
<i>Pristimantis acuminatus</i>	Shreve, 1935
<i>Pristimantis acutirostris</i>	Lynch, 1984

<i>Pristimantis aemulus</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis affinis</i>	Werner, 1899
<i>Pristimantis alalocophus</i>	Roa-Trujillo and Ruiz-Carranza, 1991
<i>Pristimantis albericoi</i>	Lynch and Ruiz-Carranza, 1996
<i>Pristimantis altae</i>	Dunn, 1942
<i>Pristimantis altamazonicus</i>	Barbour and Dunn, 1921
<i>Pristimantis anemerus</i>	Duellman and Pramuk, 1999
<i>Pristimantis angustilineata</i>	Lynch, 1998
<i>Pristimantis aniptopalmatus</i>	Duellman and Hedges, 2005
<i>Pristimantis anolirex</i>	Lynch, 1983
<i>Pristimantis anotis</i>	Walker and Test, 1955
<i>Pristimantis anthrax</i>	Lynch, 2001
<i>Pristimantis apiculatus</i>	Lynch and Burrowes, 1990
<i>Pristimantis appendiculatus</i>	Werner, 1894
<i>Pristimantis aracamuni</i>	Barrio-Amores and Molina, 2006
<i>Pristimantis ardalonychus</i>	Duellman and Pramuk, 1999
<i>Pristimantis ashkapara</i>	Köhler, 2000
<i>Pristimantis atrabracus</i>	Duellman and Pramuk, 1999
<i>Pristimantis atratus</i>	Lynch, 1979
<i>Pristimantis aurantiguttatus</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis aureolineatus</i>	Guayasamin et al. 2006
<i>Pristimantis avicuporum</i>	Duellman and Pramuk, 1999
<i>Pristimantis avius</i>	Myers and Donnelly, 1997
<i>Pristimantis bacchus</i>	Lynch, 1984
<i>Pristimantis baiotis</i>	Lynch, 1998
<i>Pristimantis balionotus</i>	Lynch, 1979
<i>Pristimantis baryecuus</i>	Lynch, 1979
<i>Pristimantis batrachites</i>	Lynch, 2003
<i>Pristimantis bearsei</i>	Duellman, 1992
<i>Pristimantis bellona</i>	Lynch, 1992
<i>Pristimantis bernali</i>	Lynch, 1986

<i>Pristimantis bicolor</i>	Rueda-Almonacid and Lynch, 1983
<i>Pristimantis bicumulus</i>	Peters, 1863
<i>Pristimantis bipunctatus</i>	Duellman and Hedges, 2005
<i>Pristimantis bisignatus</i>	Werner, 1899
<i>Pristimantis boconoensis</i>	Rivero and Mayorga, 1973
<i>Pristimantis bogotensis</i>	Peters, 1863
<i>Pristimantis boulengeri</i>	Lynch, 1981
<i>Pristimantis brevifrons</i>	Lynch, 1981
<i>Pristimantis briceni</i>	Boulenger, 1903
<i>Pristimantis bromeliaceus</i>	Lynch, 1979
<i>Pristimantis buccinator</i>	Rodriguez, 1994
<i>Pristimantis buckleyi</i>	Boulenger, 1882
<i>Pristimantis cabrerai</i>	Cochran and Goin, 1970
<i>Pristimantis cacao</i>	Lynch, 1992
<i>Pristimantis cajamarcensis</i>	Barbour and Noble, 1920
<i>Pristimantis calcaratus</i>	Boulenger, 1908
<i>Pristimantis calcarulatus</i>	Lynch, 1976
<i>Pristimantis caliginosus</i>	Lynch, 1996
<i>Pristimantis cantitans</i>	Myers and Donnelly, 1996
<i>Pristimantis capitonis</i>	Lynch, 1998
<i>Pristimantis caprifer</i>	Lynch, 1977
<i>Pristimantis carlossanchezi</i>	Arroyo, 2007
<i>Pristimantis carmelitae</i>	Ruthven, 1922
<i>Pristimantis carranguerorum</i>	Lynch, 1994
<i>Pristimantis carvalhoi</i>	Lutz, 1952
<i>Pristimantis caryophyllaceus</i>	Barbour, 1928
<i>Pristimantis cavernibardus</i>	Myers and Donnelly, 1997
<i>Pristimantis celator</i>	Lynch, 1976
<i>Pristimantis cerasinus</i>	Cope, 1875
<i>Pristimantis ceuthospilus</i>	Duellman and Wild, 1993
<i>Pristimantis chalceus</i>	Peters, 1873

<i>Pristimantis charlottevillensis</i>	Kaiser, Dwyer, Feichtinger and Schmid, 1995
<i>Pristimantis chiastonotus</i>	Lynch and Hoogmoed, 1977
<i>Pristimantis chloronotus</i>	Lynch, 1969
<i>Pristimantis chrysops</i>	Lynch and Ruiz-Carranza, 1996
<i>Pristimantis citriogaster</i>	Duellman, 1992
<i>Pristimantis colodactylus</i>	Lynch, 1979
<i>Pristimantis colomai</i>	Lynch and Duellman, 1997
<i>Pristimantis colostichos</i>	La Marca and Smith, 1982
<i>Pristimantis condor</i>	Lynch and Duellman, 1980
<i>Pristimantis conspicillatus</i>	Günther, 1858
<i>Pristimantis cordovae</i>	Lehr and Duellman, 2007
<i>Pristimantis corniger</i>	Lynch and Suárez-Mayorga, 2003
<i>Pristimantis corrugatus</i>	Duellman, Lehr, and Venegas, 2006
<i>Pristimantis cosnipatae</i>	Duellman, 1978
<i>Pristimantis cremnobates</i>	Lynch and Duellman, 1980
<i>Pristimantis crenunguis</i>	Lynch, 1976
<i>Pristimantis crepitans</i>	Bokermann, 1965
<i>Pristimantis cristinae</i>	Lynch and Ruiz-Carranza, 1985
<i>Pristimantis croceoinguinis</i>	Lynch, 1968
<i>Pristimantis crucifer</i>	Boulenger, 1899
<i>Pristimantis cruciocularis</i>	Lehr, Lundberg, Aguilar, and von May, 2006
<i>Pristimantis cruentus</i>	Peters, 1873
<i>Pristimantis cryophilus</i>	Lynch, 1979
<i>Pristimantis cryptomelas</i>	Lynch, 1979
<i>Pristimantis cuentasi</i>	Lynch, 2003
<i>Pristimantis cuneirostris</i>	Duellman and Pramuk, 1999
<i>Pristimantis curtipes</i>	Boulenger, 1882
<i>Pristimantis danae</i>	Duellman, 1978
<i>Pristimantis degener</i>	Lynch and Duellman, 1997
<i>Pristimantis deinops</i>	Lynch, 1996
<i>Pristimantis delicatus</i>	Ruthven, 1917

<i>Pristimantis delius</i>	Duellman and Mendelson, 1995
<i>Pristimantis devillei</i>	Boulenger, 1880
<i>Pristimantis diadematus</i>	Jiménez de la Espada, 1875
<i>Pristimantis diaphonus</i>	Lynch, 1986
<i>Pristimantis diastema</i>	Cope, 1875
<i>Pristimantis diogenes</i>	Lynch and Ruíz-Carranza, 1996
<i>Pristimantis dissimilatus</i>	Lynch and Duellman, 1997
<i>Pristimantis dorsopictus</i>	Rivero and Serna, 1988
<i>Pristimantis douglasi</i>	Lynch, 1996
<i>Pristimantis duellmani</i>	Lynch, 1980
<i>Pristimantis duende</i>	Lynch, 2001
<i>Pristimantis dundeei</i>	Heyer and Muñoz, 1999
<i>Pristimantis elegans</i>	Peters, 1863
<i>Pristimantis epacrus</i>	Lynch and Suárez-Mayorga, 2000
<i>Pristimantis eremitus</i>	Lynch, 1980
<i>Pristimantis eriphus</i>	Lynch and Duellman, 1980
<i>Pristimantis ernesti</i>	Flores, 1987
<i>Pristimantis erythroleura</i>	Boulenger, 1896
<i>Pristimantis esmeraldas</i>	Guayasamin, 2004
<i>Pristimantis eugeniae</i>	Lynch and Duellman, 1997
<i>Pristimantis euphronides</i>	Schwartz, 1967
<i>Pristimantis eurydactylus</i>	Hedges and Schlüter, 1992
<i>Pristimantis exoristus</i>	Duellman and Pramuk, 1999
<i>Pristimantis factiosus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis fallax</i>	Lynch and Rueda-Almonacid, 1999
<i>Pristimantis fenestratus</i>	Steindachner, 1864
<i>Pristimantis festae</i>	Peracca, 1904
<i>Pristimantis fetosus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis flavobracatus</i>	Lehr, Lundberg, Aguilar, and von May, 2006
<i>Pristimantis floridus</i>	Lynch and Duellman, 1997
<i>Pristimantis frater</i>	Werner, 1899

<i>Pristimantis fraudator</i>	Lynch and McDiarmid, 1987
<i>Pristimantis gaigeae</i>	Dunn, 1931
<i>Pristimantis galdi</i>	Jiménez de la Espada, 1871
<i>Pristimantis ganonotus</i>	Duellman and Lynch, 1988
<i>Pristimantis gentryi</i>	Lynch and Duellman, 1997
<i>Pristimantis ginesi</i>	Rivero, 1964
<i>Pristimantis gladiator</i>	Lynch, 1976
<i>Pristimantis glandulosus</i>	Boulenger, 1880
<i>Pristimantis gracilis</i>	Lynch, 1986
<i>Pristimantis grandiceps</i>	Lynch, 1984
<i>Pristimantis gularis</i>	Boulenger, 1898
<i>Pristimantis gutturalis</i>	Hoogmoed, Lynch and Lescure, 1977
<i>Pristimantis hamiotae</i>	Flores, 1994
<i>Pristimantis hectus</i>	Lynch and Burrowes, 1990
<i>Pristimantis helvolus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis hernandezii</i>	Lynch and Ruiz-Carranza, 1983
<i>Pristimantis huicundo</i>	Guayasamin, Almeida-Reinoso, and Nogales-Sornosa, 2004
<i>Pristimantis hybotragus</i>	Lynch, 1992
<i>Pristimantis hylaiformis</i>	Cope, 1875
<i>Pristimantis ignicolor</i>	Lynch and Duellman, 1980
<i>Pristimantis illotus</i>	Lynch and Duellman, 1997
<i>Pristimantis imitatrix</i>	Duellman, 1978
<i>Pristimantis incanus</i>	Lynch and Duellman, 1980
<i>Pristimantis incertus</i>	Lutz, 1927
<i>Pristimantis incomptus</i>	Lynch and Duellman, 1980
<i>Pristimantis infraguttatus</i>	Duellman and Pramuk, 1999
<i>Pristimantis inguinalis</i>	Parker, 1940
<i>Pristimantis insignitus</i>	Ruthven, 1917
<i>Pristimantis inusitatus</i>	Lynch and Duellman, 1980
<i>Pristimantis ixalus</i>	Lynch, 2003
<i>Pristimantis jaimei</i>	Lynch, 1992

<i>Pristimantis johannesdei</i>	Rivero and Serna, 1988
<i>Pristimantis jorgevelosai</i>	Lynch, 1994
<i>Pristimantis juanchoi</i>	Lynch, 1996
<i>Pristimantis jubatus</i>	Garcia and Lynch, 2006
<i>Pristimantis kareliae</i>	La Marca, 2005
<i>Pristimantis katoptroides</i>	Flores, 1988
<i>Pristimantis kelephas</i>	Lynch, 1998
<i>Pristimantis kirklandi</i>	Flores, 1985
<i>Pristimantis labiosus</i>	Lynch, Ruiz-Carranza and Ardila-Robayo, 1994
<i>Pristimantis lacrimosus</i>	Jiménez de la Espada, 1875
<i>Pristimantis lancingii</i>	Donoso-Barros, 1965
<i>Pristimantis lanthanites</i>	Lynch, 1975
<i>Pristimantis lasalleorum</i>	Lynch, 1995
<i>Pristimantis laticlavius</i>	Lynch and Burrowes, 1990
<i>Pristimantis latidiscus</i>	Boulenger, 1898
<i>Pristimantis lemur</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis lentiginosus</i>	Rivero, 1984
<i>Pristimantis leoni</i>	Lynch, 1976
<i>Pristimantis leptolophus</i>	Lynch, 1980
<i>Pristimantis leucopus</i>	Lynch, 1976
<i>Pristimantis librarius</i>	Flores and Vigle, 1994
<i>Pristimantis lichenoides</i>	Lynch and Rueda-Almonacid, 1997
<i>Pristimantis lindae</i>	Duellman, 1978
<i>Pristimantis lirellus</i>	Dwyer, 1995
<i>Pristimantis lividus</i>	Lynch and Duellman, 1980
<i>Pristimantis llojsintuta</i>	Köhler and Lötters, 1999
<i>Pristimantis loustes</i>	Lynch, 1979
<i>Pristimantis luscombei</i>	Duellman and Mendelson, 1995
<i>Pristimantis luteolateralis</i>	Lynch, 1976
<i>Pristimantis lutitus</i>	Lynch, 1984
<i>Pristimantis lymani</i>	Barbour and Noble, 1920

<i>Pristimantis lynchii</i>	Duellman and Simmons, 1977
<i>Pristimantis lythrodes</i>	Lynch and Lescure, 1980
<i>Pristimantis maculosus</i>	Lynch, 1991
<i>Pristimantis malkini</i>	Lynch, 1980
<i>Pristimantis marahuaka</i>	Fuentes-Ramos and Barrio-Amoros, 2004
<i>Pristimantis marmoratus</i>	Boulenger, 1900
<i>Pristimantis mars</i>	Lynch and Ruiz-Carranza, 1996
<i>Pristimantis martiae</i>	Lynch, 1974
<i>Pristimantis medemi</i>	Lynch, 1994
<i>Pristimantis megalops</i>	Ruthven, 1917
<i>Pristimantis melanogaster</i>	Duellman and Pramuk, 1999
<i>Pristimantis melanoproctus</i>	Rivero, 1984
<i>Pristimantis memorans</i>	Myers and Donnelly, 1997
<i>Pristimantis mendax</i>	Duellman, 1978
<i>Pristimantis mercedesae</i>	Lynch and McDiarmid, 1987
<i>Pristimantis meridionalis</i>	Lehr and Duellman, 2007
<i>Pristimantis merostictus</i>	Lynch, 1984
<i>Pristimantis metabates</i>	Duellman and Pramuk, 1999
<i>Pristimantis miyatai</i>	Lynch, 1984
<i>Pristimantis mnionaetes</i>	Lynch, 1998
<i>Pristimantis modipeplus</i>	Lynch, 1981
<i>Pristimantis molybrignus</i>	Lynch, 1986
<i>Pristimantis mondolfii</i>	Rivero, 1984
<i>Pristimantis moro</i>	Savage, 1965
<i>Pristimantis muricatus</i>	Lynch and Miyata, 1980
<i>Pristimantis muscosus</i>	Duellman and Pramuk, 1999
<i>Pristimantis museosus</i>	Ibáñez, Jaramillo and Arosemena, 1994
<i>Pristimantis myersi</i>	Goin and Cochran, 1963
<i>Pristimantis myops</i>	Lynch, 1998
<i>Pristimantis nephophilus</i>	Duellman and Pramuk, 1999
<i>Pristimantis nervicus</i>	Lynch, 1994

<i>Pristimantis nicefori</i>	Cochran and Goin, 1970
<i>Pristimantis nigrogriseus</i>	Andersson, 1945
<i>Pristimantis nyctophylax</i>	Lynch, 1976
<i>Pristimantis obmutescens</i>	Lynch, 1980
<i>Pristimantis ocellatus</i>	Lynch and Burrowes, 1990
<i>Pristimantis ockendeni</i>	Boulenger, 1912
<i>Pristimantis ocreatus</i>	Lynch, 1981
<i>Pristimantis olivaceus</i>	Köhler, Morales, Lötters, Reichle and Aparicio, 1998
<i>Pristimantis orcesi</i>	Lynch, 1972
<i>Pristimantis orestes</i>	Lynch, 1979
<i>Pristimantis ornatissimus</i>	Despax, 1911
<i>Pristimantis ornatus</i>	Lehr, Lundberg, Aguilar, and von May, 2006
<i>Pristimantis orpacobates</i>	Lynch, Ruíz-Carranza and Ardila-Robayo, 1994
<i>Pristimantis orphnolaimus</i>	Lynch, 1970
<i>Pristimantis ortizi</i>	Guayasamin, Almeida-Reinoso, and Nogales-Sornosa, 2004
<i>Pristimantis padrecarlosi</i>	Mueses-Cisneros, 2006
<i>Pristimantis paisa</i>	Lynch and Ardila-Robayo, 1999
<i>Pristimantis palmeri</i>	Boulenger, 1912
<i>Pristimantis paramerus</i>	Rivero, 1984
<i>Pristimantis pardalinus</i>	Lehr, Lundberg, Aguilar, and von May, 2006
<i>Pristimantis pardalis</i>	Barbour, 1928
<i>Pristimantis parectatus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis parvillus</i>	Lynch, 1976
<i>Pristimantis pastazensis</i>	Andersson, 1945
<i>Pristimantis pataikos</i>	Duellman and Pramuk, 1999
<i>Pristimantis paululus</i>	Lynch, 1974
<i>Pristimantis pecki</i>	Duellman and Lynch, 1988
<i>Pristimantis pedimontanus</i>	La Marca, 2004
<i>Pristimantis penelopus</i>	Lynch and Rueda-Almonacid, 1999
<i>Pristimantis peraticus</i>	Lynch, 1980
<i>Pristimantis percnopterus</i>	Duellman and Pramuk, 1999

<i>Pristimantis percultus</i>	Lynch, 1979
<i>Pristimantis permixtus</i>	Lynch, Ruiz-Carranza and Ardila-Robayo, 1994
<i>Pristimantis peruvianus</i>	Melin, 1941
<i>Pristimantis petersi</i>	Lynch and Duellman, 1980
<i>Pristimantis petrobardus</i>	Duellman, 1991
<i>Pristimantis phalarus</i>	Lynch, 1998
<i>Pristimantis philipi</i>	Lynch and Duellman, 1995
<i>Pristimantis phoxocephalus</i>	Lynch, 1979
<i>Pristimantis phragmipleuron</i>	Rivero and Serna, 1988
<i>Pristimantis piceus</i>	Lynch, Ruiz-Carranza and Ardila-Robayo, 1996
<i>Pristimantis pinguis</i>	Duellman and Pramuk, 1999
<i>Pristimantis pirrensis</i>	Ibañez and Crawford, 2004
<i>Pristimantis platychilus</i>	Lynch, 1996
<i>Pristimantis platydactylus</i>	Boulenger, 1903
<i>Pristimantis pleurostriatus</i>	Rivero, 1984
<i>Pristimantis pluvicanorus</i>	De la Riva and Lynch, 1997
<i>Pristimantis polemistes</i>	Lynch and Ardila-Robayo, 2004
<i>Pristimantis polychrus</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis prolatus</i>	Lynch and Duellman, 1980
<i>Pristimantis prolixodiscus</i>	Lynch, 1978
<i>Pristimantis proserpens</i>	Lynch, 1979
<i>Pristimantis pruinatus</i>	Myers and Donnelly, 1996
<i>Pristimantis pseudoacuminatus</i>	Shreve, 1935
<i>Pristimantis pteridophilus</i>	Lynch and Duellman, 1997
<i>Pristimantis ptochus</i>	Lynch, 1998
<i>Pristimantis pugnax</i>	Lynch, 1973
<i>Pristimantis pulvinatus</i>	Rivero, 1968
<i>Pristimantis pycnodermis</i>	Lynch, 1979
<i>Pristimantis pyrrhomerus</i>	Lynch, 1976
<i>Pristimantis quantus</i>	Lynch, 1998
<i>Pristimantis quaquaversus</i>	Lynch, 1974

<i>Pristimantis quidditus</i>	Lynch, 2001
<i>Pristimantis quinquagesimus</i>	Lynch and Trueb, 1980
<i>Pristimantis racemosus</i>	Lynch, 1980
<i>Pristimantis reclusus</i>	Lynch, 2003
<i>Pristimantis renjiforum</i>	Lynch, 2000
<i>Pristimantis repens</i>	Lynch, 1984
<i>Pristimantis restrepoi</i>	Lynch, 1996
<i>Pristimantis reticulatus</i>	Walker and Test, 1955
<i>Pristimantis rhabdocnemus</i>	Duellman and Hedges, 2005
<i>Pristimantis rhabdolaemus</i>	Duellman, 1978
<i>Pristimantis rhodoplichus</i>	Duellman and Wild, 1993
<i>Pristimantis rhodostichus</i>	Duellman and Pramuk, 1999
<i>Pristimantis ridens</i>	Cope, 1866
<i>Pristimantis riveroi</i>	Lynch and de La Marca, 1993
<i>Pristimantis riveti</i>	Despax, 1911
<i>Pristimantis rosadoi</i>	Flores, 1988
<i>Pristimantis roseus</i>	Boulenger, 1918
<i>Pristimantis rozei</i>	Rivero, 1961
<i>Pristimantis rubicundus</i>	Jiménez de la Espada, 1875
<i>Pristimantis ruedai</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis rufioculis</i>	Duellman and Pramuk, 1999
<i>Pristimantis ruidus</i>	Lynch, 1979
<i>Pristimantis ruthveni</i>	Lynch and Ruiz-Carranza, 1985
<i>Pristimantis sagittulus</i>	Lehr, Aguilar and Duellman, 2004
<i>Pristimantis salaputium</i>	Duellman, 1978
<i>Pristimantis samaipatae</i>	Köhler and Jungfer, 1995
<i>Pristimantis sanctaemartae</i>	Ruthven, 1917
<i>Pristimantis sanguineus</i>	Lynch, 1998
<i>Pristimantis satagius</i>	Lynch, 1995
<i>Pristimantis savagei</i>	Pyburn and Lynch, 1981
<i>Pristimantis schultei</i>	Duellman, 1990

<i>Pristimantis scitulus</i>	Duellman, 1978
<i>Pristimantis scoloblepharus</i>	Lynch, 1991
<i>Pristimantis scolodiscus</i>	Lynch and Burrowes, 1990
<i>Pristimantis scopaeus</i>	Lynch, Ruiz-Carranza and Ardila-Robayo, 1996
<i>Pristimantis serendipitus</i>	Duellman and Pramuk, 1999
<i>Pristimantis shrevei</i>	Schwartz, 1967
<i>Pristimantis signifer</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis silverstonei</i>	Lynch and Ruiz-Carranza, 1996
<i>Pristimantis simonbolivari</i>	Wiens and Coloma, 1992
<i>Pristimantis simonsii</i>	Boulenger, 1900
<i>Pristimantis simoteriscus</i>	Lynch, Ruiz-Carranza and Ardila-Robayo, 1997
<i>Pristimantis simoterus</i>	Lynch, 1980
<i>Pristimantis siopelus</i>	Lynch and Burrowes, 1990
<i>Pristimantis skydmainos</i>	Flores and Rodriguez, 1997
<i>Pristimantis sobetes</i>	Lynch, 1980
<i>Pristimantis spilogaster</i>	Lynch, 1984
<i>Pristimantis spinosus</i>	Lynch, 1979
<i>Pristimantis stenodiscus</i>	Walker and Test, 1955
<i>Pristimantis sternothylax</i>	Duellman and Wild, 1993
<i>Pristimantis stictobouonus</i>	Duellman, Lehr, and Venegas, 2006
<i>Pristimantis stictogaster</i>	Duellman and Hedges, 2005
<i>Pristimantis subsigillatus</i>	Boulenger, 1902
<i>Pristimantis suetus</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis sulculus</i>	Lynch and Burrowes, 1990
<i>Pristimantis supernatis</i>	Lynch, 1979
<i>Pristimantis surdus</i>	Boulenger, 1882
<i>Pristimantis susaguae</i>	Rueda-Almonacid, Lynch and Galvis, 2003
<i>Pristimantis taciturnus</i>	Lynch and Suárez-Mayorga, 2003
<i>Pristimantis taeniatus</i>	Boulenger, 1912
<i>Pristimantis tamsitti</i>	Cochran and Goin, 1970
<i>Pristimantis tayrona</i>	Lynch and Ruiz-Carranza, 1985

<i>Pristimantis telefericus</i>	La Marca, 2005
<i>Pristimantis tenebrionis</i>	Lynch and Miyata, 1980
<i>Pristimantis terraebolivaris</i>	Rivero, 1961
<i>Pristimantis thectopternus</i>	Lynch, 1975
<i>Pristimantis thymalopsoides</i>	Lynch, 1976
<i>Pristimantis thymelensis</i>	Lynch, 1972
<i>Pristimantis tigrillo</i>	Savage, 1997
<i>Pristimantis tinker</i>	Lynch, 2001
<i>Pristimantis toftae</i>	Duellman, 1978
<i>Pristimantis torrenticola</i>	Lynch and Rueda-Almonacid, 1998
<i>Pristimantis trachyblepharis</i>	Boulenger, 1918
<i>Pristimantis tribulosus</i>	Lynch and Rueda-Almonacid, 1997
<i>Pristimantis truebae</i>	Lynch and Duellman, 1997
<i>Pristimantis tubernasus</i>	Rivero, 1984
<i>Pristimantis turpinorum</i>	Hardy, 2001
<i>Pristimantis turumquirensis</i>	Rivero, 1961
<i>Pristimantis uisae</i>	Lynch, 2003
<i>Pristimantis unistriatus</i>	Günther, 1859
<i>Pristimantis uranobates</i>	Lynch, 1991
<i>Pristimantis urichi</i>	Boettger, 1894
<i>Pristimantis vanadise</i>	La Marca, 1984
<i>Pristimantis variabilis</i>	Lynch, 1968
<i>Pristimantis veletis</i>	Lynch and Rueda-Almonacid, 1997
<i>Pristimantis ventrimarmoratus</i>	Boulenger, 1912
<i>Pristimantis verecundus</i>	Lynch and Burrowes, 1990
<i>Pristimantis versicolor</i>	Lynch, 1979
<i>Pristimantis vertebralis</i>	Boulenger, 1886
<i>Pristimantis vicarius</i>	Lynch and Ruiz-Carranza, 1983
<i>Pristimantis vidua</i>	Lynch, 1979
<i>Pristimantis viejas</i>	Lynch and Rueda-Almonacid, 1999
<i>Pristimantis vilarsi</i>	Melin, 1941

<i>Pristimantis viridicans</i>	Lynch, 1977
<i>Pristimantis viridis</i>	Ruiz-Carranza, Lynch and Ardila-Robayo, 1997
<i>Pristimantis vocator</i>	Taylor, 1955
<i>Pristimantis walkeri</i>	Lynch, 1974
<i>Pristimantis wiensi</i>	Duellman and Wild, 1993
<i>Pristimantis w-nigrum</i>	Boettger, 1892
<i>Pristimantis xeniolum</i>	Lynch, 2001
<i>Pristimantis xestus</i>	Lynch, 1995
<i>Pristimantis xylochobates</i>	Lynch and Ruiz-Carranza, 1996
<i>Pristimantis yaviensis</i>	Myers and Donnelly, 1996
<i>Pristimantis zeuctotylus</i>	Lynch and Hoogmoed, 1977
<i>Pristimantis zimmermanae</i>	Heyer and Hardy, 1991
<i>Pristimantis zophus</i>	Lynch and Ardila-Robayo, 1999

**E. binotatus* and *E. plicifer* to be placed in a new genus. See SI Text.

†No members of the *discoidalis* group were included in this study. Based on morphology, they have been suggested to resemble *Oreobates*, the Southeast Brazil clade, and members of the nigrovittatus group (1-2). Genetic data are needed to resolve their position.

‡Members of the *dolops*, *nigrovittatus*, and *Phrynobatrachus flavomaculatus* groups, to be placed in a new genus. See SI Text.

1. Padial JM, Reichle S, De La Riva I (2005) *J Herpetol* 39:186-191.

2. Lynch JD (1976) *Occas Pap Mus Nat Hist Univ Kansas* 61:1-24.

Table 3. Times of divergence (Mya) for eleutherodactylines

Node	All data			Nuclear data only			Mitochondrial data only		
	Time	S.D.	95% C.I.	Time	S.D.	95% C.I.	Time	S.D.	95% C.I.
1	44.21	7.09	(35.33, 61.44)	39.91	4.67	(35.15, 52.32)	47.76	8.42	(35.62, 66.31)
2	10.60	2.14	(7.04, 15.20)	10.62	2.38	(6.55, 15.96)	11.18	2.41	(6.99, 16.16)
3	4.53	1.04	(2.76, 6.72)	4.51	1.65	(1.41, 7.84)	4.70	1.12	(2.77, 6.94)
4	6.70	1.39	(4.25, 9.52)	6.96	1.72	(3.47, 9.80)	7.01	1.48	(4.30, 9.71)
5	8.83	1.78	(5.84, 12.70)	5.30	1.77	(2.16, 9.14)	10.16	2.18	(6.31, 14.68)
6	11.55	2.20	(7.81, 16.18)	9.93	2.13	(6.21, 14.56)	12.70	2.56	(8.14, 17.83)
7	12.32	2.33	(8.37, 17.22)	11.91	2.43	(7.87, 17.40)	13.49	2.71	(8.65, 18.91)
8	13.49	2.55	(9.15, 18.89)	13.87	2.71	(9.36, 19.98)	14.68	2.95	(9.43, 20.70)
9	17.79	3.26	(12.33, 24.70)	15.97	3.03	(10.89, 22.90)	19.91	3.88	(13.11, 27.97)
10	6.48	1.50	(3.86, 9.52)	8.30	1.39	(4.86, 9.94)	6.31	1.54	(3.59, 9.43)
11	17.74	3.27	(12.27, 24.69)	16.33	3.10	(11.14, 23.18)	19.40	3.84	(12.74, 27.33)
12	19.33	3.47	(13.54, 26.67)	18.26	3.31	(12.77, 25.78)	21.49	4.11	(14.29, 29.86)
13	19.05	3.62	(13.06, 26.92)	18.62	3.76	(12.34, 26.98)	20.93	4.30	(13.47, 30.04)

14	22.07	3.95	(15.61, 30.55)	21.51	3.91	(15.21, 30.48)	24.62	4.67	(16.49, 34.25)
15	16.37	3.23	(11.18, 23.54)	12.93	3.34	(7.32, 20.41)	19.13	4.10	(12.28, 28.08)
16	12.62	2.67	(8.32, 18.57)	13.95	3.32	(8.23, 21.30)	13.42	3.07	(8.30, 20.24)
17	12.26	2.58	(8.04, 17.98)	7.84	3.08	(2.39, 14.35)	14.16	3.26	(8.78, 21.30)
18	17.64	3.40	(12.14, 25.24)	16.48	3.34	(11.10, 24.37)	19.65	4.12	(12.74, 28.56)
19	16.96	3.32	(11.62, 24.43)	13.91	3.23	(8.55, 21.20)	19.39	4.14	(12.50, 28.33)
20	18.81	3.57	(13.04, 26.81)	17.64	3.45	(12.25, 25.90)	21.23	4.39	(13.80, 30.61)
21	22.73	4.16	(16.06, 32.02)	19.61	3.66	(14.12, 28.20)	26.05	5.13	(17.45, 37.01)
22	24.63	4.46	(17.45, 34.53)	21.38	3.95	(15.55, 30.81)	28.56	5.51	(19.28, 40.27)
23	29.09	5.05	(20.95, 40.35)	29.00	5.07	(21.03, 40.61)	32.56	6.01	(22.47, 45.11)
24	15.26	3.14	(10.13, 22.40)	8.80	2.66	(4.33, 14.85)	19.98	4.40	(12.86, 29.77)
25	21.50	4.08	(15.04, 30.79)	16.15	3.52	(10.36, 23.95)	26.35	5.39	(17.66, 38.08)
26	19.33	3.81	(13.16, 28.02)	16.77	3.58	(10.69, 24.84)	22.20	4.75	(14.52, 32.56)
27	9.60	2.06	(6.29, 14.24)	6.05	2.15	(2.28, 10.74)	11.45	2.67	(7.17, 17.38)
28	11.77	2.45	(7.84, 17.34)	9.49	2.47	(5.34, 15.03)	13.67	3.11	(8.69, 20.61)
29	14.47	2.94	(9.78, 21.17)	11.37	2.79	(6.70, 17.57)	17.00	3.73	(10.99, 25.26)
30	16.95	3.31	(11.70, 24.50)	13.34	2.98	(8.41, 20.07)	20.03	4.23	(13.20, 29.31)
31	18.44	3.54	(12.77, 26.62)	16.05	3.31	(10.58, 23.53)	21.52	4.49	(14.29, 31.28)
32	10.20	2.31	(6.50, 15.50)	11.71	2.95	(6.65, 18.38)	10.54	2.68	(6.24, 16.59)
33	14.51	2.97	(9.78, 21.29)	13.50	3.10	(8.25, 20.45)	16.40	3.67	(10.54, 24.58)
34	20.29	3.83	(14.21, 28.98)	15.91	3.28	(10.39, 23.32)	23.84	4.87	(15.93, 34.38)
35	21.36	4.00	(15.03, 30.52)	17.75	3.49	(12.02, 25.62)	25.08	5.06	(16.89, 36.03)
36	22.30	4.17	(15.66, 31.71)	18.95	3.69	(12.87, 27.34)	26.15	5.26	(17.66, 37.49)
37	8.83	1.99	(5.63, 13.40)	8.23	2.43	(4.16, 13.60)	10.01	2.50	(6.07, 15.75)
38	11.39	2.45	(7.48, 17.17)	11.05	2.78	(6.39, 17.35)	12.94	3.07	(8.06, 19.73)
39	7.12	1.70	(4.42, 10.89)	4.27	1.92	(0.96, 8.56)	8.91	2.32	(5.18, 14.19)
40	13.12	2.78	(8.67, 19.46)	9.41	2.93	(4.55, 15.94)	15.70	3.63	(9.82, 23.81)
41	18.92	3.72	(12.90, 27.47)	16.49	3.55	(10.52, 24.32)	21.64	4.61	(14.20, 31.89)
42	21.47	4.07	(15.02, 30.84)	17.94	3.64	(11.95, 26.19)	25.30	5.17	(16.88, 36.40)
43	22.91	4.27	(16.11, 32.69)	20.02	3.86	(13.70, 28.84)	26.92	5.40	(18.15, 38.58)
44	24.45	4.51	(17.30, 34.82)	21.26	4.08	(14.51, 30.49)	29.12	5.80	(19.83, 41.68)
45	36.52	6.38	(26.56, 50.81)	28.51	5.23	(19.88, 40.24)	41.48	7.73	(29.25, 58.21)
46	9.87	2.37	(6.07, 15.36)	7.04	2.64	(2.51, 12.94)	12.03	3.13	(7.06, 19.16)

47	34.03	6.07	(24.42, 47.34)	22.78	4.78	(14.77, 33.35)	40.39	7.65	(28.17, 56.68)
48	39.68	6.79	(29.03, 55.11)	30.55	5.42	(21.75, 42.98)	45.18	8.25	(32.03, 62.80)
49	34.15	6.33	(24.03, 48.56)	25.55	5.35	(16.37, 37.73)	38.81	7.79	(26.02, 56.00)
50	36.56	6.53	(26.26, 51.33)	29.02	5.66	(19.38, 41.59)	41.87	7.94	(29.06, 58.91)
51	41.38	7.07	(30.35, 57.37)	33.32	5.73	(23.96, 46.27)	46.77	8.50	(33.25, 64.96)
52	42.76	7.28	(31.36, 59.18)	36.60	6.19	(26.40, 50.74)	48.00	8.71	(34.13, 66.65)
53	20.74	4.19	(14.05, 30.30)	16.99	4.16	(9.99, 26.31)	24.38	5.31	(15.81, 36.06)
54	14.23	3.07	(9.25, 21.20)	8.04	2.80	(3.24, 14.24)	18.53	4.31	(11.60, 28.23)
55	23.69	4.58	(16.40, 34.15)	19.20	4.44	(11.70, 29.14)	28.39	5.85	(18.85, 41.41)
56	30.51	5.57	(21.67, 43.17)	25.45	5.29	(16.65, 37.41)	35.51	6.86	(24.32, 50.52)
57	42.39	7.29	(30.99, 58.99)	35.14	6.22	(24.82, 49.35)	47.63	8.65	(33.85, 66.08)
58	45.25	7.62	(33.38, 62.43)	39.68	6.53	(28.97, 54.62)	50.28	9.02	(35.97, 69.43)
59	45.99	7.72	(34.03, 63.46)	42.04	6.84	(30.85, 57.48)	50.89	9.12	(36.43, 70.26)
60	47.28	7.90	(35.09, 65.26)	44.32	7.11	(32.83, 60.40)	52.03	9.29	(37.26, 71.65)
61	23.28	4.76	(15.72, 33.89)	13.16	3.70	(6.97, 21.43)	31.79	6.58	(20.95, 46.42)
62	49.79	8.30	(37.18, 68.67)	48.43	7.83	(35.81, 66.38)	54.24	9.67	(39.04, 74.65)
63	56.79	9.16	(43.52, 78.13)	57.93	8.39	(44.59, 77.18)	58.87	10.32	(42.99, 80.75)

Times are based on the combined nuclear and mitochondrial data set, nuclear data set, and mitochondrial data set, respectively. Standard deviations and credibility intervals are reported. Node numbers refer to guide tree, SI Fig. 14.

Table 5. Primers used in this study

Primer	Sequence*	Direction	Location [†]	Source
12s/tRNA-Val/16s				
12L9	AAAGCAHRRCACTGAARATGYYDAGA	F	229-254	This study
12L29E	AAAGCRTAGCACTGAAAATGCTAAGA	F	229-254	This study
12.1L4E	TACACATGCAAGTYTCCGC	F	322-340	This study
12L12E	CAAACCTGGGATTAGATACCCCACTATG	F	697-723	This study
12L15	CAAACCTGGGATTAGATACCCCACTAT	F	697-722	This study
12.2L4E	GCTTAAAACCYAARGGAYTTGACG	F	775-798	This study
12H42	GCTGCACCTTGACCTGACGTATTG	R	939-961	This study
12L27	ACGTCAGGTCAARGTGCAGC	F	943-962	This study

12H46E	GCTGCACYTTGACCTGACGT	R	943-962	This study
12L30E	GTACAMACCAGCCCGTCACCCCTC	F	1097-1118	This study
12.2H1E	TCCGGTATACTTACCATGTTAC	R	1175-1196	This study
12L34	GTAACATGGTAAGYRTACCGGA	F	1175-1196	This study
12H10	CACYTTCCRGRTRCRYTTACCRTGTTACGACTT	R	1170-1201	This study
16L43E	CTYGTACCTTTGCATCATGGTTA	F	1462-1486	This study
16H50	TARACCATRATGCAAAAGGTAC	R	1465-1486	This study
16L19	AATACTAACGAACCTAGCGATAGCTGGTT	F	1614-1644	This study
16H49E	AACCAGCTATMRCTAAGTCGSTAGG	R	1618-1644	This study
16L33E	AAGTWGGCCTAARAGCAGCCAYCTTT	F	1792-1817	This study
16H48E	AAAGRTGGCTGCTYTYAGGCC	R	1797-1817	This study
16L28E	AAGTRGGCCTAACRAGCAGCCA	F	1792-1812	This study
16L42	GGCCTRATAGCAGCCAYCT	F	1797-1815	This study
16H46	TCWTGTTACTAGTTYTARCAT	R	1919-1939	This study
16L37	GATTAYAAGAAAAAGAAGGAACCTGGCA	F	2082-2109	This study
16H41	GAGGCGATGTTTTGGTAAACAGGC	R	2122-2144	This study
16L34	TTAACGGCCGCGGTATCCTAACCG	F	2186-2210	This study
16H24	TACCTTCGACGGTTAGKRTACCGCGGGCGTT	R	2190-2220	This study
16L29E	TATCCTAACCGTGCRAGCTAGC	F	2200-2222	This study
16L1	CTGACCGTGCAAAGGTAGCGTAATCACT	F	2204-2231	This study
16H36E	AAGCTCCA WAGGGCTTCTCGTC	R	2341-2363	This study
16H37	TTACTCCGGTCTGAACCTCAGATC	R	2710-2732	This study
16H25	GACCTGGATTACTCCGGCTGAACCTCAGAT	R	2711-2740	This study
16H1	CTCCGGTCTGAACCTCAGATCACGTAGG	R	2703-2729	This study
16H47	AAAGRGCCTTAGRTCTTYGCA	R	2903-2923	This study
Rag-1				
R182	GCCATAACTGCTGGAGCATYAT	F	1391-1412	D. Cannatella, personal communication
Rag1FF2	ATGCATCRAAATTCACTAACAT	F	1411-1431	This study
Rag1FR2	CCYCCTTTRTGATAKGWCATA	R	2029-2051	This study
R270	AGYAGATGTTGCCTGGGTCTTC	R	2051-2072	D. Cannatella, personal communication
Tyr				

Tyr1C	GGCAGAGGAWCRTGCCAAGATGT	F	101-123	(11)
TyrFE	GTTGTYGTATCTACCTCRCC	F	122-141	This study
TyrRE	GMAGGGAATGGTGAARTTCTC	R	635-655	This study
Tyr1G	TGCTGGGCRTCTCTCCARTCCCA	R	656-678	(11)

*Written 5' to 3'.

†Location on reference sequences: AY458592 (mitochondrial), L19324 (Rag-1), AY333967 (Tyr).

FIGURE LEGENDS

Fig. 5. Maximum-likelihood phylogeny of eleutherodactyline frogs. Data include 1,206 aligned bases (after removal of ambiguous regions) of the *12S* and *16S* rRNA genes for 276 eleutherodactylines and *Brachycephalus* and three out-group species. Bootstrap support values are shown.

Fig. 6. Minimum evolution phylogeny of eleutherodactyline frogs. Data include 1,206 aligned bases (after removal of ambiguous regions) of the *12S* and *16S* rRNA genes for 276 eleutherodactyline and *Brachycephalus* and three out-group species. Bootstrap support values are shown.

Fig. 7. Bayesian phylogeny of eleutherodactyline frogs. Data include 1,206 aligned bases (after removal of ambiguous regions) of the *12S* and *16S* rRNA genes for 276 eleutherodactyline and *Brachycephalus* and three out-group species. Posterior probabilities are shown.

Fig. 8. Maximum-likelihood phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) for 136 eleutherodactyline and *Brachycephalus* and nine out-group species. Bootstrap support values are shown.

Fig. 9. Minimum-evolution phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) for 136 eleutherodactyline and *Brachycephalus* and nine out-group species. Bootstrap support values are shown.

Fig. 10. Bayesian phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) for 136 eleutherodactyline and *Brachycephalus* and nine out-group species. Posterior probabilities are shown.

Figure 11. Maximum-likelihood phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) and fragments of *Rag-1* (639 bases) and *Tyr* (493 bases) for 61 eleutherodactyline and *Brachycephalus* and three out-group species. Bootstrap support values are shown.

Fig. 12. Minimum-evolution phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) and fragments of *Rag-1* (639 bases) and *Tyr* (493 bases) for 61 eleutherodactyline and *Brachycephalus* and three out-group species. Bootstrap support values are shown.

Fig. 13. Bayesian phylogeny of eleutherodactyline frogs. Data include the complete *12S*, *tRNA-Val*, and *16S* rRNA genes (2,578 bases after removal of ambiguous regions) and fragments of *Rag-1* (639 bases) and *Tyr* (493 bases) for 61 eleutherodactyline and *Brachycephalus* and three out-group species. Posterior probabilities are shown.

Fig. 14. Guide tree for divergence time analyses. Numbers at nodes correspond to numbers in SI Table 3.

Table 4. Specimens used in this study

No.	Genus	Species	Origin	Museum voucher	Lab tissue no.	12S	16S	Rag I	Tyr	280 sp.	146 sp.	65 sp.	Data set
1	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>portoricensis</i>	This study	USNM326885	101784	EF493720	EF493549			x	x	x	
2	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>wightmanae</i>	This study	USNM326905	172080	EF493721	EF493549			x	x	x	
3	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>coqui</i>	This study	USNM305421	172037	EF493722	EF493550			x	x	x	
4	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>schwartzii</i>	This study	No voucher	266012	EF493723	EF493551			x	x	x	
5	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>gryllus</i>	This study	USNM269304	101684	EF493724	EF493552			x	x	x	
6	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>sp. I</i>	This study	UPRRP6361	267815	EF493538	EF493365			x	x	x	
7	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>cochranae</i>	This study	USNM326775	172062	EF493725	EF493555			x	x	x	
8	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>hedricki</i>	This study	USNM564995	191587	EF493726	EF493553			x	x	x	
9	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>brittoni</i>	This study	USNM326765	172078	EF493727	EF493554			x	x	x	
10	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>antillensis</i>	This study	USNM326747	172065	EF493728	EF493556			x	x	x	
11	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>eneidae</i>	This study	USNM326857	101754	EF493729	EF493557			x	x	x	
12	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>locustus</i>	This study	USNM326861	172085	EF493730	EF493558			x	x	x	
13	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>cooki</i>	This study	USNM326784	160048	EF493539	EF493413	EF493455	x	x	x	x	
14	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>flavescens</i>	This study	USNM331662	102358	EF493731	EF493559			x	x	x	
15	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>martinicensis</i>	This study	USNM565001	102092	EF493343	EF493419	EF493456	x	x	x	x	
16	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>amplinymppha</i>	This study	USNM564978	194183	EF493732	EF493560			x	x	x	

No.	Genus	Species	Origin	Museum voucher	Lab tissue no.	Genbank accession no.				Data set sp.
						12S	16S	Rag1	Tyr	
17	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>johnstonei</i>	This study	USNM336018	172650	EF493733	EF493561		x	
18	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>pinchoni</i>	This study	USNM565006	101896	EF493734	EF493562		x	
19	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>baragnei</i>	This study	USNM564982	102110	EF493735	EF493563		x	
20	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>auriculatus</i>	This study	USNM564980	192808	EF493344	EF493417	EF493458	x	x
21	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>bartonsmithi</i>	This study	USNM309753	190019	EF493736	EF493576		x	
22	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>glamyrus</i>	This study	USNM564987	190453	EF493737	EF493575		x	
23	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>mariposa</i>	This study	MNHNCu591	190919	EF493738	EF493573		x	
24	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>ronaldi</i>	This study	USNM309760	190023	EF493739	EF493574		x	
25	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>eileenae</i>	This study	No voucher	172823	EF493740	EF493577		x	
26	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>minutus</i>	This study	USNM331987	101305	EF493741	EF493578		x	
27	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>pooleri</i>	This study	USNM332236	160779	EF493742	EF493579		x	
28	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>haitianus</i>	This study	No voucher	103103	EF493743	EF493583		x	
29	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>abbotti</i>	This study	USNM564974	267594	EF493540	EF493412	EF493457	x	x
30	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>audanti</i>	This study	USNM331514	161405	EF493744	EF493584		x	
31	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>sp. 2</i>	This study	USNM337773	161469	EF493745	EF493580		x	
32	<i>Eleutherodactylus</i> (<i>Eleutherodactylus</i>)	<i>parabates</i>	This study	USNM332136	161393	EF493746	EF493581		x	
33	<i>Eleutherodactylus</i>	<i>pitiumus</i>	This study	USNM332229	161658	EF493747	EF493582		x	

No.	Genus	Species	Origin	Museum voucher	Lab tissue no.	Genbank accession no.				Data set	
						12S	16S	Rag1	Tyr	280 sp.	146 sp.
	(<i>Eleutherodactylus</i>)										
34	<i>Eleutherodactylus</i>	<i>ionthus</i>	This study	USNM309757	190915	EF493748	EF493564			x	
35	<i>Eleutherodactylus</i>	<i>guantanamera</i>	This study	MNHNCu590	191061	EF493749	EF493565			x	
36	<i>Eleutherodactylus</i>	<i>varians</i>	This study	USNM309763	172526	EF493750	EF493566			x	
37	<i>Eleutherodactylus</i>	<i>leberi</i>	This study	USNM309758	190598	EF493342	EF493403	EF493459	x	x	x
38	<i>Eleutherodactylus</i>	<i>melacara</i>	This study	USNM309733	190442	EF493751	EF493567			x	
39	<i>Eleutherodactylus</i>	<i>lamprotes</i>	This study	USNM564997	192242	EF493379			EF493460	x	x
40	<i>Eleutherodactylus</i>	<i>fowleni</i>	This study	USNM269266	160239	EF493752	EF493568			x	
41	<i>Eleutherodactylus</i>	<i>wetmorei</i>	This study	USNM332369	104639	EF493753	EF493569			x	
42	<i>Eleutherodactylus</i>	<i>auriculatoides</i>	This study	USNM331627	161584	EF493754	EF493572			x	
43	<i>Eleutherodactylus</i>	<i>patriciae</i>	This study	No voucher	161628	EF493755	EF493570			x	
44	<i>Eleutherodactylus</i>	<i>montanus</i>	This study	USNM332069	161648	EF493756	EF493571			x	
45	<i>Eleutherodactylus</i>	<i>richmondi</i>	This study	USNM326894	172042	EF493541			EF493461	x	x
46	<i>Eleutherodactylus</i>	<i>unicolor</i>	This study	USNM326897	160038	EF493542	EF493398	EF493462	x	x	x
47	<i>Eleutherodactylus</i>	<i>hypostenor</i>	This study	USNM257731	101336	EF493757	EF493585			x	
48	<i>Eleutherodactylus</i>	<i>parapeltatus</i>	This study	USNM257726	104622	EF493758	EF493587			x	
49	<i>Eleutherodactylus</i>	<i>ruthae</i>	This study	USNM257752	160686	EF493759	EF493586			x	

No.	Genus	Species	Origin	Museum voucher	Lab tissue no.	Genbank accession no.				Data set	
						12S	16S	Rag1	Tyr	280 sp.	146 sp.
50	<i>Eleutherodactylus</i> (<i>Pelorius</i>)	<i>nortoni</i>	This study	USNM257744	160630	EF493760	EF493588			x	
51	<i>Eleutherodactylus</i> (<i>Pelorius</i>)	<i>chlorophenax</i>	This study	USNM257730	160673	EF493543	EF493589			x	
52	<i>Eleutherodactylus</i> (<i>Pelorius</i>)	<i>inoptatus</i>	This study	USNM331931	101237	EF493380	EF493405	EF493463	x	x	x
53	<i>Eleutherodactylus</i> <i>counouspeus</i>	This study	USNM329989	103848	EF493719				x	x	
54	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>cundalli</i>	This study	USNM266364	103511	EF493761	EF493612		x	x	
55	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>glaucoreius</i>	This study	USNM305366	103568	EF493762	EF493613		x	x	
56	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>cavernicola</i>	This study	USNM266357	103261	EF493763	EF493614		x	x	
57	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>gossei</i>	This study	USNM327419	103312	EF493716	EF493410	EF493466	x	x	x
58	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>jumori</i>	This study	USNM269239	161028	EF493764	EF493617		x	x	
59	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>grishus</i>	This study	USNM564992	103185	EF493381	EF493415	EF493465	x	x	x
60	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>pentasyringos</i>	This study	USNM266455	103477	EF493765	EF493615		x	x	
61	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>pantoni</i>	This study	USNM327822	103514	EF493766	EF493616		x	x	
62	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>orcitti</i>	This study	USNM327808	103499	EF493767	EF493619		x	x	
63	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>alticola</i>	This study	USNM266340	103583	EF493768	EF493620		x	x	
64	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>fuscus</i>	This study	USNM266380	103205	EF493769	EF493618		x	x	
65	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>jamaicensis</i>	This study	USNM327594	161119	EF493770	EF493621		x	x	
66	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>andrewsi</i>	This study	USNM327267 USNM327274	171593 103275	EF493544	EF493623		x	x	

No.	Genus	Species	Origin	Museum voucher	Lab tissue no.	Genbank accession no.				Data set	
						12S	16S	Rag1	Tyr	280 sp.	146 sp.
67	<i>Eleutherodactylus</i> (Euhyas)	<i>nubicola</i>	This study	USNM327777	103272	EF493771	EF493622		x		
68	<i>Eleutherodactylus</i> (Euhyas)	<i>grahami</i>	This study	USNM327565	161260	EF493772	EF493624		x		
69	<i>Eleutherodactylus</i> (Euhyas)	<i>sisyphodemus</i>	This study	USNM266467	103219	EF493773	EF493625		x		
70	<i>Eleutherodactylus</i> (Euhyas)	<i>luteolus</i>	This study	USNM327744	101469		EF493545		EF493464	x	x
71	<i>Eleutherodactylus</i> (Euhyas)	<i>riparius</i>	1	n/a			Y10944			x	x
72	<i>Eleutherodactylus</i> (Euhyas)	<i>rivularis</i>	This study	USNM565009	193690	EF493376	EF493626		x		
73	<i>Eleutherodactylus</i> (Euhyas)	<i>toa</i>	This study	USNM306544	191333	EF493774	EF493627		x		
74	<i>Eleutherodactylus</i> (Euhyas)	<i>cuneatus</i>	This study	USNM564985	191146	EF493775	EF493608		x		
75	<i>Eleutherodactylus</i> (Euhyas)	<i>turquinensis</i>	This study	USNM348803	193530	EF493776	EF493609		x		
76	<i>Eleutherodactylus</i> (Euhyas)	<i>darlingtoni</i>	This study	USNM307236	104190	EF493777	EF493610		x		
77	<i>Eleutherodactylus</i> (Euhyas)	<i>leoncei</i>	This study	USNM564999	267599	EF493375	EF493715	EF493404	EF493468	x	x
78	<i>Eleutherodactylus</i> (Euhyas)	<i>alcoae</i>	This study	USNM564977	194867		EF493382	EF493406	EF493469	x	x
79	<i>Eleutherodactylus</i> (Euhyas)	<i>armstrongi</i>	This study	USNM329962	160557	EF493778	EF493611		x		
80	<i>Eleutherodactylus</i> (Euhyas)	<i>rhodesi</i>	This study	USNM332259	267890	EF493779	EF493629		x		
81	<i>Eleutherodactylus</i> (Euhyas)	<i>weinlandi</i>	This study	USNM332332	160385	EF493780	EF493630		x		
82	<i>Eleutherodactylus</i> (Euhyas)	<i>grahami</i>	This study	USNM564990	192409	EF493781	EF493632		x		

83	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>pictissimus</i>	This study	USNM266310	101354	EF493782	EF493631	x	
84	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>lentus</i>	This study	USNM564998	266089	EF493717	EF493418	EF493471	x x x
85	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>monensis</i>	This study	USNM565002	192871	EF493783	EF493633		x
86	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>probolaeus</i>	This study	USNM322252	160303	EF493784	EF493634		x
87	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>bresslerae</i>	This study	USNM564983	190021	EF493785	EF493635		x
88	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>ricordii</i>	This study	USNM565008	190351	EF493786	EF493636		x
89	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>acmonis</i>	This study	USNM564975	190024	EF493787	EF493637		x
90	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>orientalis</i>	This study	USNM565003	190034	EF493373	EF493592		x
91	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>etheridgei</i>	This study	USNM335715	161908	EF493794	EF493593		x
92	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>limbatus</i>	This study	USNM565000	172513	EF493795	EF493590		x
93	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>iberia</i>	This study	MNHNCu1001	266768	EF493374	EF493591		x
94	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>cubanus</i>	This study	No voucher	193693	EF493796	EF493594		x
95	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>casparii</i>	This study	USNM564984	172843	EF493788	EF493599		x
96	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>planirostris</i>	This study	USNM565007	192884	EF493346	EF493396	EF493470	x x x
97	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>guanahacabibes</i>	This study	USNM564993	192798	EF493789	EF493600		x
98	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>tonyi</i>	This study	No voucher	193932	EF493790	EF493602		x
99	<i>Eleutherodactylus</i> (<i>Euhyas</i>)	<i>rogersi</i>	This study	USNM565010	192891	EF493372	EF493603		x

100	<i>Eleutherodactylus</i> (Euhyas)	<i>goini</i>	This study	USNM335725	172589	EF493791	EF493604	x
101	<i>Eleutherodactylus</i> (Euhyas)	<i>thomasi</i>	This study	No voucher	266681	EF493370	EF493605	x
102	<i>Eleutherodactylus</i> (Euhyas)	<i>blairhedgesi</i>	This study	No voucher	266679	EF493371	EF493606	x
103	<i>Eleutherodactylus</i> (Euhyas)	<i>pinarensis</i>	This study	USNM565005	191490	EF493792	EF493607	x
104	<i>Eleutherodactylus</i> (Euhyas)	<i>atkinsi</i>	This study	USNM335686	172520	EF493797	EF493598	x
105	<i>Eleutherodactylus</i> (Euhyas)	<i>gundlachi</i>	This study	USNM564994	190260	EF493798	EF493597	x
106	<i>Eleutherodactylus</i> (Euhyas)	<i>cf. varleyi</i>	This study	MNHNCu1002	266765	EF493345	EF493408	EF493467
107	<i>Eleutherodactylus</i> (Euhyas)	<i>intermedius</i>	This study	USNM564996	190245	EF493799	EF493595	x
108	<i>Eleutherodactylus</i> (Euhyas)	<i>varleyi</i>	This study	USNM335732	172529	EF493800	EF493596	x
109	<i>Eleutherodactylus</i> (Euhyas)	<i>pezopetrus</i>	This study	USNM565004	190536	EF493793	EF493601	x
110	<i>Eleutherodactylus</i> (Euhyas)	<i>greyi</i>	This study	USNM564991	172799	EF493801	EF493628	x
111	<i>Eleutherodactylus</i> (Euhyas)	<i>emiliae</i>	This study	No voucher	266680	EF493368	EF493638	x
112	<i>Eleutherodactylus</i> (Euhyas)	<i>dimidiatus</i>	This study	USNM564986	190049	EF493802	EF493640	x
113	<i>Eleutherodactylus</i> (Euhyas)	<i>maestrensis</i>	This study	MNHNCu1003	266593	EF493369	EF493639	x
114	<i>Eleutherodactylus</i> (Euhyas)	<i>albipes</i>	This study	USNM564976	190449	EF493386	EF493409	EF493475
115	<i>Eleutherodactylus</i> (Euhyas)	<i>schmidtii</i>	This study	USNM332313	161668	EF493803	EF493641	x
116	<i>Eleutherodactylus</i> (Euhyas)	<i>eumaster</i>	This study	No voucher	267897	EF493804	EF493646	x

117	<i>Eleutherodactylus (Euhyas) caribe</i>	This study	USNM314179	191962	EF493385	EF493411	EF493472	x	x	x
118	<i>Eleutherodactylus (Euhyas) corona</i>	This study	KU218431	192197	EF493807	EF493645		x		
119	<i>Eleutherodactylus (Euhyas) heminota</i>	This study	USNM331829	267899	EF493806	EF493649		x		
120	<i>Eleutherodactylus (Euhyas) amadeus</i>	This study	USNM329866	267898	EF493805	EF493644		x		
121	<i>Eleutherodactylus (Euhyas) bakeri</i>	This study	USNM564981	104652	EF493808	EF493647		x		
122	<i>Eleutherodactylus (Euhyas) glaphycompus</i>	This study	USNM292259	103958	EF493383			x	x	
123	<i>Eleutherodactylus (Euhyas) dolomedes</i>	This study	KU218434	192109	EF493809	EF493648		x		
124	<i>Eleutherodactylus (Euhyas) glanduliferoides</i>	This study	USNM564989	160571	EF493546	EF493364		x		
125	<i>Eleutherodactylus (Euhyas) thorectes</i>	This study	USNM565011	192230	EF493384	EF493416	EF493473	x	x	x
126	<i>Eleutherodactylus (Euhyas) jugans</i>	This study	USNM331952	267901	EF493810	EF493652		x		
127	<i>Eleutherodactylus (Euhyas) apostates</i>	This study	USNM564979	192240	EF493811	EF493650		x		
128	<i>Eleutherodactylus (Euhyas) oxyrhynchus</i>	This study	USNM332073	267902	EF493812	EF493651		x		
129	<i>Eleutherodactylus (Euhyas) rufifemoralis</i>	This study	No voucher	160226	EF493813	EF493653		x		
130	<i>Eleutherodactylus (Euhyas) furcyensis</i>	This study	USNM331673	267903	EF493814	EF493654		x		
131	<i>Eleutherodactylus (Euhyas) paulsoni</i>	This study	USNM310833	191998	EF493815	EF493659		x		
132	<i>Eleutherodactylus (Euhyas) glandulifer</i>	This study	USNM564988	192074	EF493816	EF493655		x		
133	<i>Eleutherodactylus (Euhyas) sciographus</i>	This study	USNM332316	103943	EF493817	EF493656		x		
134	<i>Eleutherodactylus (Euhyas) ventrilineatus</i>	This study	USNM332320	267904	EF493818	EF493658		x		
135	<i>Eleutherodactylus (Euhyas) brevirostris</i>	This study	USNM329968	267905	EF493819	EF493657		x		
136	<i>Eleutherodactylus (Euhyas) zugi</i>	This study	USNM335744	172578	EF493347	EF493401	EF493474	x	x	x
137	<i>Eleutherodactylus (Euhyas) klinikowskii</i>	This study	MNHNCu1004	266592	EF493547	EF493363		x		
138	<i>Eleutherodactylus (Syrrophus) marmockii</i>	This study	n/a	194156	EF493820	EF493642	EF493399	EF493476	x	x
		2	No voucher n/a	n/a	DQ283102	DQ283101			x	x
139	<i>Eleutherodactylus (Syrrophus) symingtoni</i>	This study	No voucher	172583	EF493821	EF493643		x		
140	<i>Eleutherodactylus (Syrrophus) zeus</i>	This study	USNM335740	172582	EF493718	EF493402	EF493477	x	x	x
141	<i>Barycholos ternetzi</i>	2	n/a	n/a	DQ283094	DQ284144		x	x	x
142	" <i>Eleutherodactylus</i> " <i>binotatus</i>	This study	USNM303077	267339	EF493361	EF493397	DQ282918	x	x	x
143	<i>Craugastor rhodopis</i>	2	n/a	n/a	DQ283317			x	x	
144	<i>Craugastor mexicanus</i>	3	n/a	n/a	AY326006			x	x	
145	<i>Craugastor podiciferus</i>	This study	MWZ12020	266082	EF493360	EF493450	EF493481	x	x	x
146	<i>Craugastor transfordii</i>	This study	AMNH-A124398	267852	EF493822	EF493661		x		
147	<i>Craugastor longirostris</i>	This study	KU177803	267853	EF493395	EF493454	EF493482	x	x	x

148	<i>Craugastor</i>	<i>fitzingeri</i>	3	n/a	UTA-A49803	267854	n/a	AY326001	x	x
149	<i>Craugastor</i>	<i>sandersoni</i>	This study	n/a	EF493712				x	x
150	<i>Craugastor</i>	<i>punctariolus</i>	2	n/a	DQ283168				x	x
151	<i>Craugastor</i>	<i>pygmaeus</i>	This study	UTA-A55241	267855	EF493711	EF493451	EF493479	x	x
152	<i>Craugastor</i>	<i>montanus</i>	This study	UTA-A51105	267888	EF493530	EF493453	EF493478	x	x
153	<i>Craugastor</i>	<i>augusti</i>	2	n/a	DQ283271				x	x
154	<i>Craugastor</i>	<i>bocourti</i>	This study	UTA-A55235	267856	EF493713			x	x
155	<i>Craugastor</i>	<i>alfredi</i>	2	n/a	DQ283318				x	x
156	<i>Craugastor</i>	<i>daryi</i>	This study	UTA-A57940	267858	EF493531	EF493452	EF493480	x	x
157	<i>Brachycephalus</i>	<i>ephippium</i>	3, 2	n/a n/a	AY326008 DQ283091		DQ282917		x	x
158	" <i>Phrymopus</i> "	<i>peraccae</i>	This study	KU178266	267859	EF493710	EF493420	EF493485	x	x
159	" <i>Phrymopus</i> "	<i>brunneus</i>	This study	KU178258	267860	EF493357	EF493422	EF493484	x	x
160	" <i>Eleutherodactylus</i> "	<i>elassodiscus</i>	This study	KU177282	267861	EF493358				
161	" <i>Eleutherodactylus</i> "	<i>dolops</i>	This study	No voucher	267862	EF493394	EF493414	EF493483	x	x
162	<i>Pristimantis</i>	<i>walkeri</i>	This study	KU218116	267231	EF493518	EF493428	EF493490	x	x
163	<i>Pristimantis</i>	<i>luteolateralis</i>	This study	KU177807	267863	EF493517			x	x
164	<i>Pristimantis</i>	<i>parvillus</i>	This study	KU177821	267864	EF493351			x	x
165	<i>Pristimantis</i>	<i>chalcenus</i>	This study	KU177638	267865	EF493675			x	x
166	<i>Pristimantis</i>	<i>ockendeni</i>	This study	KU222023	267253	EF493519	EF493434	EF493496	x	x
167	<i>Pristimantis</i>	<i>unistrigatus</i>	This study	KU218057	267227	EF493387	EF493444	EF493505	x	x
168	<i>Pristimantis</i>	<i>cajamarcensis</i>	This study	KU217845	267211	EF493823	EF493663		x	x
169	<i>Pristimantis</i>	<i>ceuthospilus</i>	This study	KU212216	267198	EF493520			x	x
170	<i>Pristimantis</i>	<i>lirellus</i>	This study	KU212226	267200	EF493521			x	x
171	<i>Pristimantis</i>	<i>imitatrix</i>	This study	KU215476	267205	EF493824	EF493667		x	x
172	<i>Pristimantis</i>	<i>croceoinguinis</i>	This study	KU217862	267213	EF493669	EF493665		x	x
173	<i>Pristimantis</i>	<i>altamazonicus</i>	This study	KU215460	267204	EF493670	EF493441		x	x
174	<i>Pristimantis</i>	<i>oreastes</i>	This study	KU218257	267249	EF493388			x	x
175	<i>Pristimantis</i>	<i>simonbolivari</i>	This study	KU218254	267248	EF493671			x	x
176	<i>Pristimantis</i>	<i>riveti</i>	This study	KU218035	267224	EF493348			x	x
177	<i>Pristimantis</i>	<i>versicolor</i>	This study	KU218096	267228	EF493389	EF493431	EF493493	x	x
178	<i>Pristimantis</i>	<i>phoxocephalus</i>	This study	KU218025	267222	EF493349			x	x
179	<i>Pristimantis</i>	<i>spinosis</i>	This study	KU218052	267225	EF493673			x	x
180	<i>Pristimantis</i>	<i>cryophilius</i>	This study	KU217863	267214	EF493672			x	x
181	<i>Pristimantis</i>	<i>rhodoplichus</i>	This study	KU219788	267250	EF493674			x	x
182	<i>Pristimantis</i>	<i>wiensi</i>	This study	KU219796	267251	EF493377	EF493668		x	x

183	<i>Pristimantis petrobardus</i>	This study	KU212293	267202	EF493825	EF493367	x
184	<i>Pristimantis melanogaster</i>	This study	MHNSM-WED56846	267438	EF493826	EF493664	x
185	<i>Pristimantis simonsii</i>	4	n/a	AM039709	AM039641	x	
186	<i>Pristimantis appendiculatus</i>	This study	KU177637	267866	EF493524	x	x
187	<i>Pristimantis pycnodermis</i>	This study	KU218028	267223	EF493680	x	x
188	<i>Pristimantis dissimilatus</i>	This study	KU179090	267867	EF493522	x	x
189	<i>Pristimantis calcaratus</i>	This study	KU177658	267868	EF493523	x	x
190	<i>Pristimantis orcesi</i>	This study	KU218021	267221	EF493679	x	x
191	<i>Pristimantis glandulosus</i>	This study	KU218002	267217	EF493676	x	x
192	<i>Pristimantis inusitatus</i>	This study	KU218015	267218	EF493677	x	x
193	<i>Pristimantis aceris</i>	This study	KU217786	267207	EF493678	x	x
194	<i>Pristimantis schultei</i>	This study	KU212220	267199	EF493681	x	x
195	<i>Pristimantis bromeliaceus</i>	This study	KU291702	171051	EF493351	x	x
196	<i>Pristimantis subsigillatus</i>	This study	KU218147	267246	EF493525	x	x
197	<i>Pristimantis nyctophylax</i>	This study	KU177812	267869	EF493526	EF493487	x
198	<i>Pristimantis shrevei</i>	This study	No voucher	266036	EF493692	x	x
199	<i>Pristimantis euphrionides</i>	This study	BWMC6918	266624	EF493527	EF493427	EF493489
200	<i>Pristimantis rozei</i>	This study	No voucher	102308	EF493691	EF493429	EF493491
201	<i>Pristimantis gentryi</i>	This study	KU218109	267230	EF493511	x	x
202	<i>Pristimantis truebae</i>	This study	KU218013	267229	EF493512	x	x
203	<i>Pristimantis curtipes</i>	This study	KU217871	267215	EF493513	EF493435	EF493497
204	<i>Pristimantis vertebralis</i>	This study	KU177972	267870	EF493689	x	x
205	<i>Pristimantis buckleyi</i>	This study	KU217836	267210	EF493350	x	x
206	<i>Pristimantis devillei</i>	This study	KU217991	267216	EF493688	x	x
207	<i>Pristimantis surdus</i>	This study	KU177847	267871	EF493687	x	x
208	<i>Pristimantis quinquagesimus</i>	This study	KU179374	267872	EF493690	x	x
209	<i>Pristimantis duellmani</i>	3, This study	n/a KU217998	n/a	AY326003	EF493438	EF493500
210	<i>Pristimantis thymalopsoides</i>	This study	KU177861	267873	EF493514	x	x
211	<i>Pristimantis ocreatus</i>	This study	KU208508	267439	EF493682	x	x
212	<i>Pristimantis pyrrhomerus</i>	This study	KU218030	267441	EF493683	x	x
213	<i>Pristimantis festae</i>	This study	KU218234	267247	EF493515	x	x
214	<i>Pristimantis leoni</i>	This study	KU218227	267437	EF493684	EF493433	EF493495
215	<i>Pristimantis verecundus</i>	This study	QCAZ12410	267646	EF493686	x	x

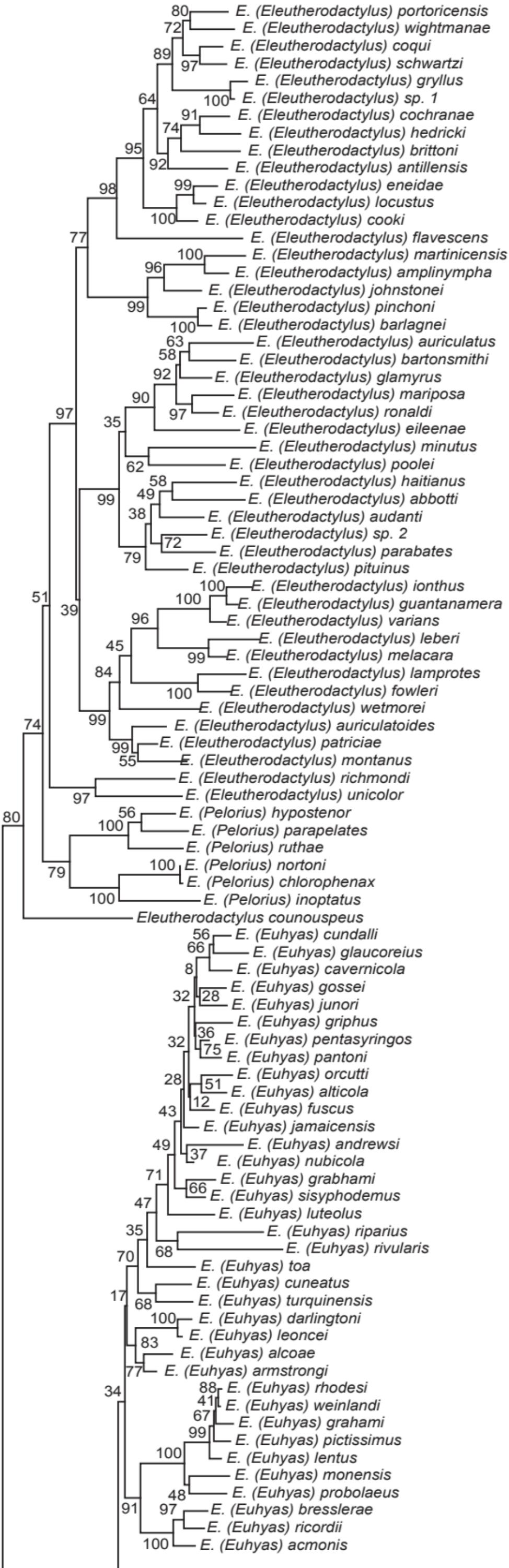
216	<i>Pristimantis celator</i>	This study	KU177684	267874	EF493685	x	x
217	<i>Pristimantis chloronotus</i>	3	n/a	n/a	AY326007	x	x
218	<i>Pristimantis thymelensis</i>	This study	QCAZ16428	267644	EF493516	EF493442	EF493503
219	<i>Pristimantis supernatis</i>	3	n/a	n/a	AY326005	x	x
220	<i>Pristimantis sp. 1</i>	3	n/a	n/a	AY326002	x	x
221	<i>Pristimantis urichi</i>	This study	USNM336098	101646	EF493699	EF493426	EF493488
222	<i>Pristimantis latidiscus</i>	This study	KU218016	267219	EF493698	x	x
223	<i>Pristimantis colomai</i>	This study	QCAZ17101	267635	EF493354	EF493440	EF493502
224	<i>Pristimantis crenatus</i>	This study	AMNH-A12444-448	267876	EF493697	x	x
225	<i>Pristimantis ridens</i>	This study	AMNH-A124551	267877	EF493355	x	x
226	<i>Pristimantis crennobates</i>	This study	KU177252	267878	EF493528	EF493424	EF493486
227	<i>Pristimantis w-nigrum</i>	3	n/a	n/a	AY326004	x	x
228	<i>Pristimantis acites</i>	This study	KU217830	267209	EF493696	EF493432	EF493494
229	<i>Pristimantis lanthanites</i>	This study	KU222001	267252	EF493695	x	x
230	<i>Pristimantis crenunguis</i>	This study	KU177730	267879	EF493693	EF493666	x
231	<i>Pristimantis labiosus</i>	This study	QCAZ19771	267640	EF493694	x	x
232	<i>Pristimantis sp. 2</i>	This study	MHNSM-LR4341	266049	EF493356	x	x
233	<i>Pristimantis conspicillatus</i>	This study	QCAZ28448	267636	EF493529	EF493437	EF493499
234	<i>Pristimantis condor</i>	This study	KU217857	267212	EF493701	EF493443	EF493504
235	<i>Pristimantis citriogaster</i>	This study	KU212278	267201	EF493700	x	x
236	<i>Pristimantis achatinus</i>	This study	KU217809	267208	EF493827	EF493660	x
237	<i>Pristimantis lymani</i>	This study	KU218019	267220	EF493392	x	x
238	<i>Pristimantis fenestratus</i>	This study	MHNSM9298	266046	EF493703	x	x
239	<i>Pristimantis bipunctatus</i>	This study	KU291638	171021	EF493702	x	x
240	<i>Pristimantis skydmainos</i>	This study	MHNSM10071	266052	EF493393	EF493430	EF493492
241	<i>Pristimantis toftae</i>	This study	KU215493	267206	EF493353	x	x
242	<i>Pristimantis rhabdolaemus</i>	This study	KU173492	267875	EF493706	x	x
243	<i>Pristimantis phuvicanorus</i>	5	n/a	n/a	AY843586	x	x
244	<i>Pristimantis sagittulus</i>	This study	KU291635	171098	EF493705	EF493439	EF493501
245	<i>Pristimantis stictogaster</i>	This study	KU291659	171080	EF493704	EF493445	EF493506
246	<i>Pristimantis aniptopalmaetus</i>	This study	KU291627	171070	EF493390	x	x
247	<i>Pristimantis peruvianus</i>	This study	MHNSM9267	266050	EF493707	EF493436	EF493498

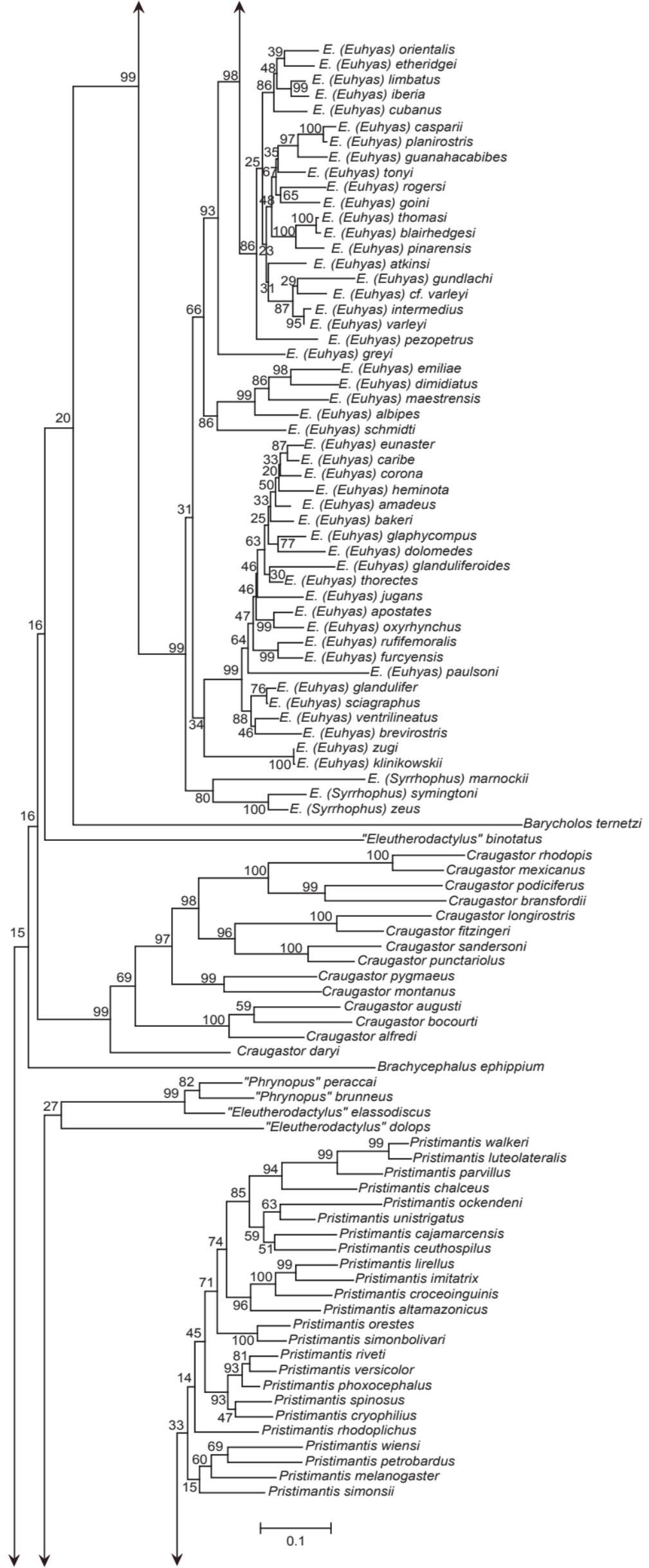
248	<i>Pristimantis</i>	<i>caprifex</i>	This study	KU177680	267880	EF493391		x	x	x	
249	<i>Oreobates</i>	<i>quixensis</i>	This study, 6	KU178249-250 n/a	267881 n/a	EF493828 AY819344	EF493662 AY819474	x	x	x	
250	<i>Oreobates</i>	<i>sp.</i>	2	n/a	n/a	DQ283060	DQ283061	x	x	x	
251	<i>Phrynobatrachus</i>	<i>parkeri</i>	4	n/a	n/a	AM039707	AM039639	x	x	x	
252	<i>Phrynobatrachus</i>	<i>julinensis</i>	4	n/a	n/a	AM039725	AM039657	x	x	x	
253	<i>Phrynobatrachus</i>	<i>kaumeorum</i>	4	n/a	n/a	AM039718	AM039650	x	x	x	
254	<i>Phrynobatrachus</i>	<i>tautzorum</i>	4	n/a	n/a	AM039720	AM039652	x	x	x	
255	<i>Phrynobatrachus</i>	<i>barthlenae</i>	4	n/a	n/a	AM039717	AM039649	x	x	x	
256	<i>Phrynobatrachus</i>	<i>horstpauli</i>	4	n/a	n/a	AM039715	AM039647	x	x	x	
257	<i>Phrynobatrachus</i>	<i>pesantesi</i>	4	n/a	n/a	AM039724	AM039656	x	x	x	
258	<i>Phrynobatrachus</i>	<i>bufoides</i>	4	n/a	n/a	AM039713	AM039645	x	x	x	
259	<i>Phrynobatrachus</i>	<i>heimorum</i>	4	n/a	n/a	AM039703	AM039635	x	x	x	
260	<i>Phrynobatrachus</i>	<i>brackii</i>	This study	USNM286919	171045	EF493709	EF493421	EF493507	x	x	
261	<i>Phrynobatrachus</i>	<i>sp. 1</i>	This study	KU291634	171082	EF493708		x	x	x	
262	<i>Phrynobatrachus</i>	<i>cophites</i>	This study	KU173497	267882	EF493537	EF493423	EF493508	x	x	
263	<i>Phrynobatrachus</i>	<i>iatamasi</i>	4	n/a	n/a	AM039712	AM039644	x	x	x	
264	<i>Phrynobatrachus</i>	<i>wettsteini</i>	4	n/a	n/a	AM039711	AM039643	x	x	x	
265	<i>Phrynobatrachus</i>	<i>sp. 2</i>	4	n/a	n/a	AM039710	AM039642	x	x	x	
266	<i>Phrynobatrachus</i>	<i>sp. 3</i>	5	n/a	n/a	AY843720		x	x	x	
267	<i>Phrynobatrachus</i>	<i>peruvianus</i>	This study	KU173495	267889	EF493714		x	x	x	
268	<i>Phyllonastes</i>	<i>sp.</i>	4	n/a	n/a	AM039714	AM039646	x	x	x	
269	<i>Holoaden</i>	<i>bradei</i>	This study	USNM207945	267883	EF493378	EF493366	EF493449	x	x	x
270	<i>Limnophys</i>	<i>anomalus</i>	This study	KU177627	267884	EF493534	EF493447	x	x	x/2	
271	<i>Limnophys</i>	<i>bifoniformis</i>	2	n/a	n/a	DQ283165	DQ282942	x	x	x/2	
272	<i>Limnophys</i>	<i>necerus</i>	This study	KU179076	267885	EF493535		x	x	x	
273	<i>Limnophys</i>	<i>sulcatus</i>	This study	KU218055	267226	EF493536		x	x	x	
274	<i>Ischnocnema</i>	<i>guentheri</i>	This study	No voucher	267345	EF493533	EF493407	EF493510	x	x	
275	<i>Ischnocnema</i>	<i>hoehnei</i>	This study	No voucher	267886	EF493359		x	x	x	
276	<i>Ischnocnema</i>	<i>parva</i>	This study	No voucher	267328	EF493532	EF493400	EF493509	x	x	
277	<i>Ischnocnema</i>	<i>juipoca</i>	2	n/a	n/a	DQ283093		x	x	x	
278	<i>Litoria</i>	<i>caerulea</i>	5, This study	n/a No voucher	n/a 267887	AY843692	EF493446	AY844131	x	x	

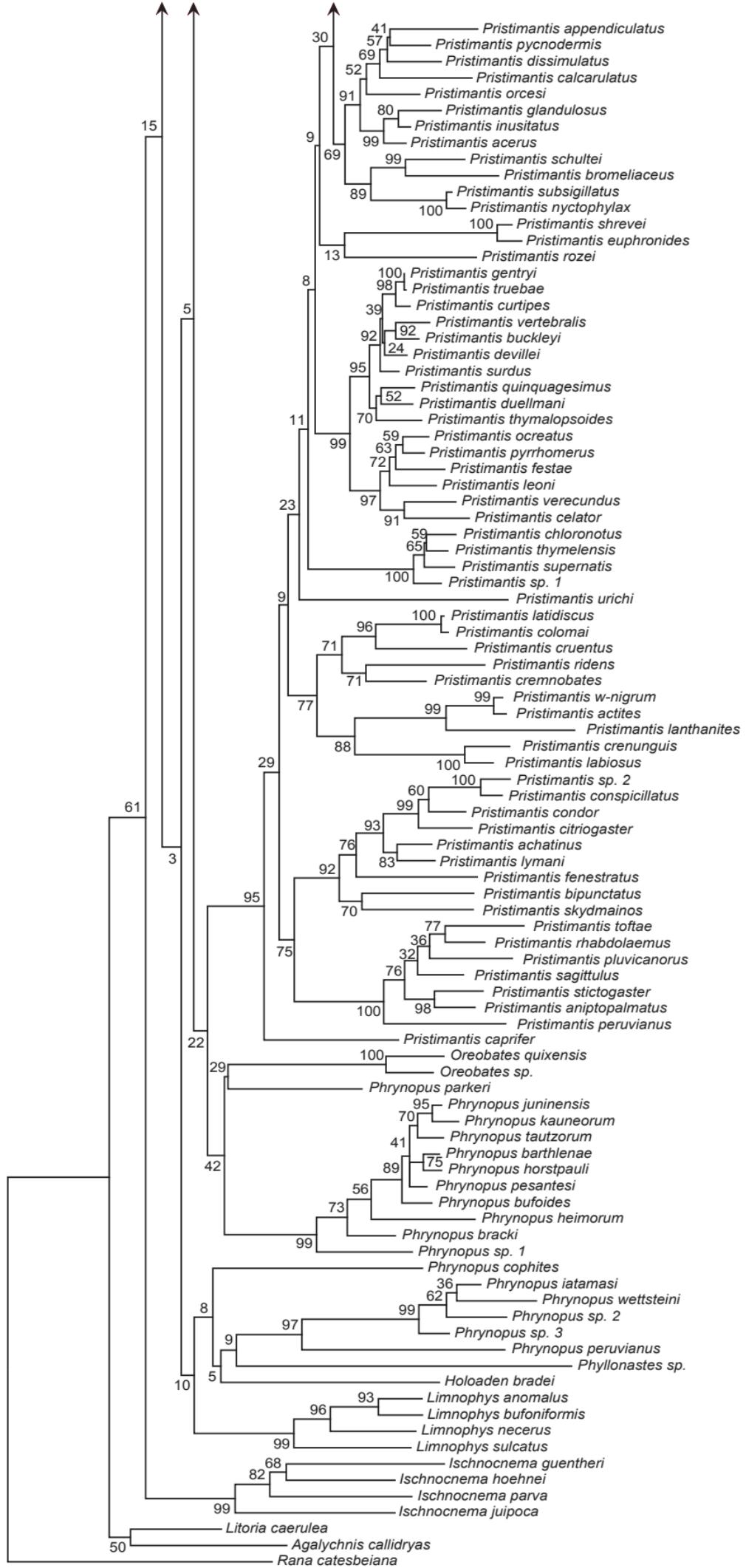
279	<i>Agalychnis</i>	<i>callidryas</i>	2, D. Cannatella, personal communication	n/a n/a	DQ283423	EF493362	DQ283018	x	x	x
280	<i>Rana</i>	<i>catesbeiana</i>	7, This study, 2	n/a No voucher n/a	M57527 DQ283257	EF493448	DQ282959	x	x	x
n/a	<i>Bufo</i>	<i>melanostictus</i>	8	n/a	n/a 266591	n/a	AY458592		x	
n/a	<i>Centrolene</i>	<i>prosoblepon</i>	5	n/a	n/a	n/a	AY843574		x	
n/a	<i>Ceratophrys</i>	<i>cornuta</i>	3	n/a	n/a	n/a	AY326014		x	
n/a	<i>Cryptobatrachus</i>	<i>sp.</i>	3	n/a	n/a	n/a	AY326050		x	
n/a	<i>Dendrobates</i>	<i>sylvaticus</i>	9	n/a	n/a	n/a	AY364569		x	
n/a	<i>Hyla</i>	<i>chiriquensis</i>	8	n/a	n/a	n/a	AY458593		x	
n/a	<i>Leptodactylus</i>	<i>pentadactylus</i>	3	n/a	n/a	n/a	AY326017		x	

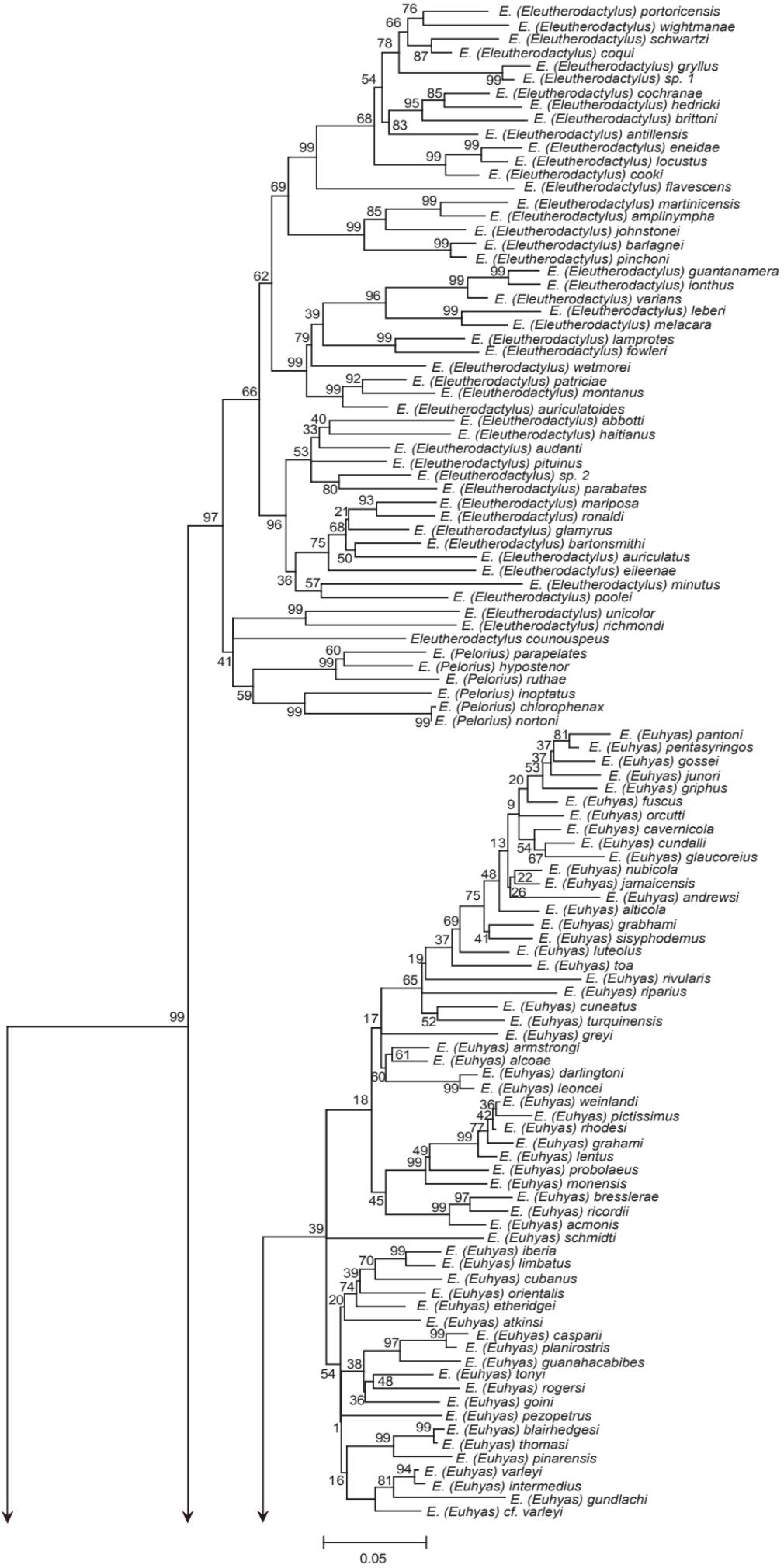
For each specimen, source, GenBank accession no., data sets in which species appear, museum voucher and tissue collection number (if sequence generated by the authors) are reported. Museum abbreviations are AMNH (American Museum of Natural History; prefix "A" refers to amphibians), BWMC (Bobby Witcher Memorial Collection, Avila University), KU (University of Kansas Museum of Natural History), MNHN Cu (National Museum of Natural History, Havana, Cuba), MVZ (Museum of Vertebrate Zoology, University of California, Berkeley), QCAZ (Catholic University of Ecuador, Museum of Zoology), UPRRP (University of Puerto Rico, at Rio Piedras, Museum of Natural History), USNM (United States National Museum of Natural History, Smithsonian Institution), UTA (University of Texas at Arlington, Museum of Natural History), MHNSM (Universidad Nacional Mayor de San Marcos, Lima, Peru). Specimens are numbered as they appear in Fig. 2.

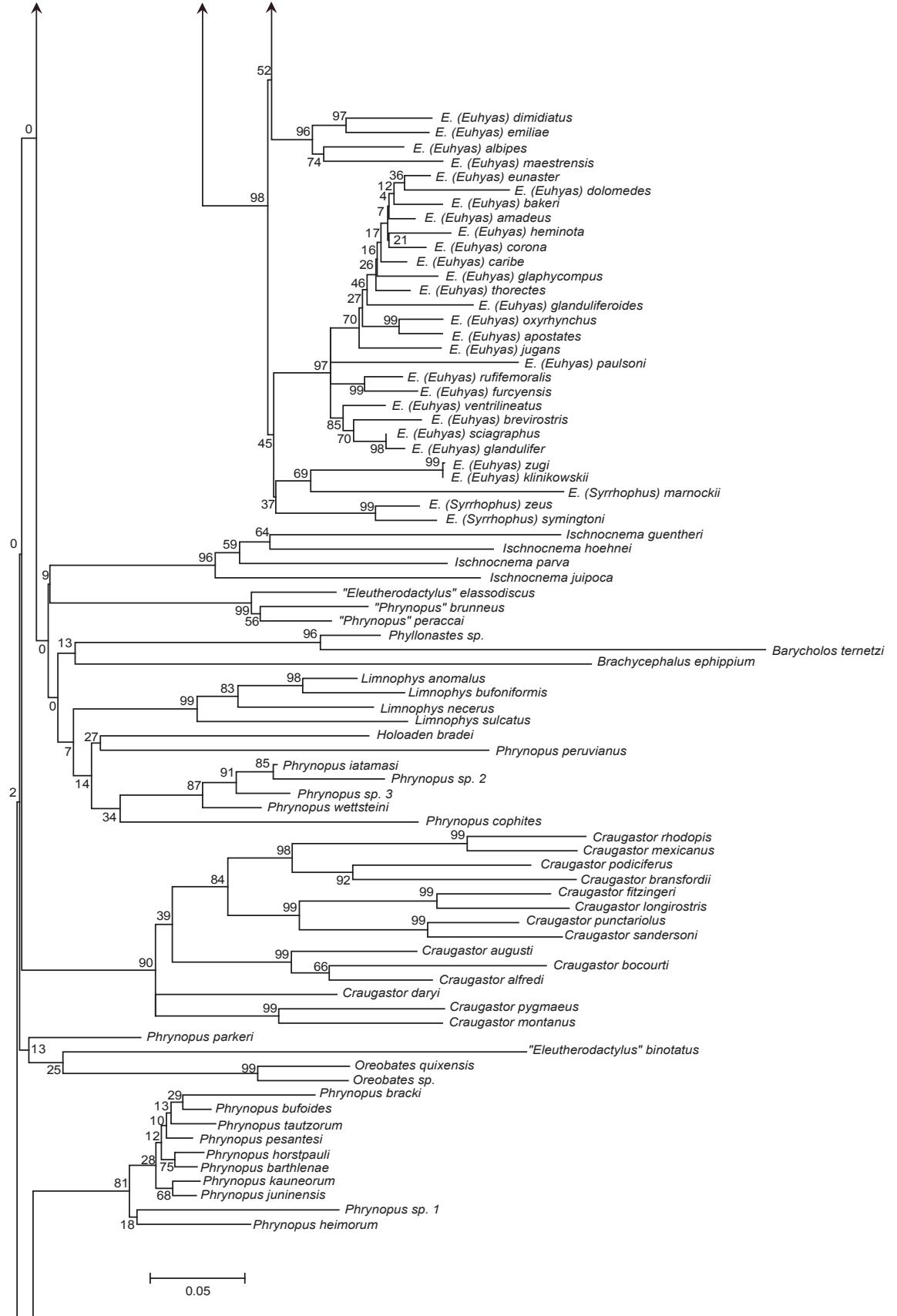
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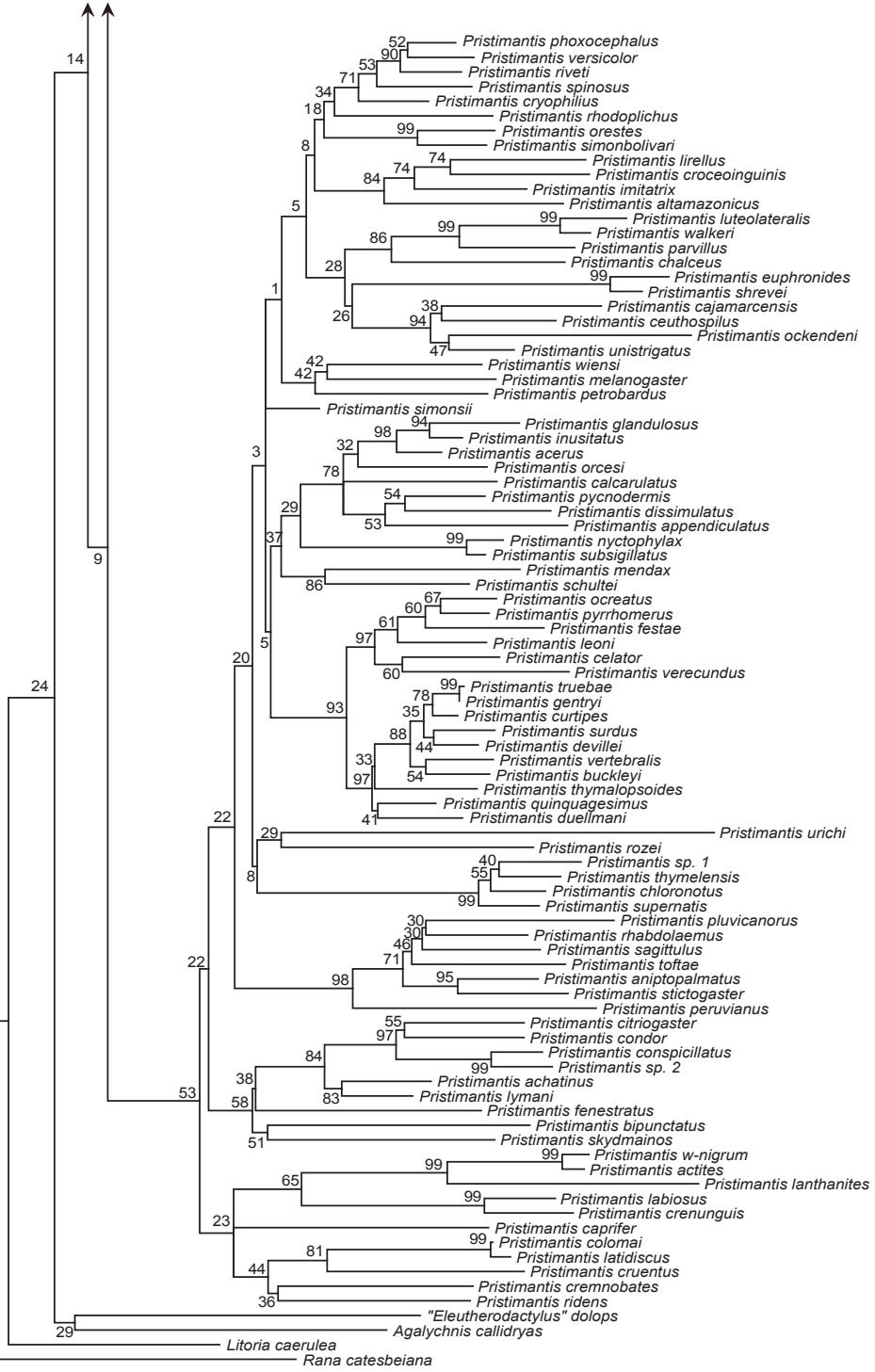




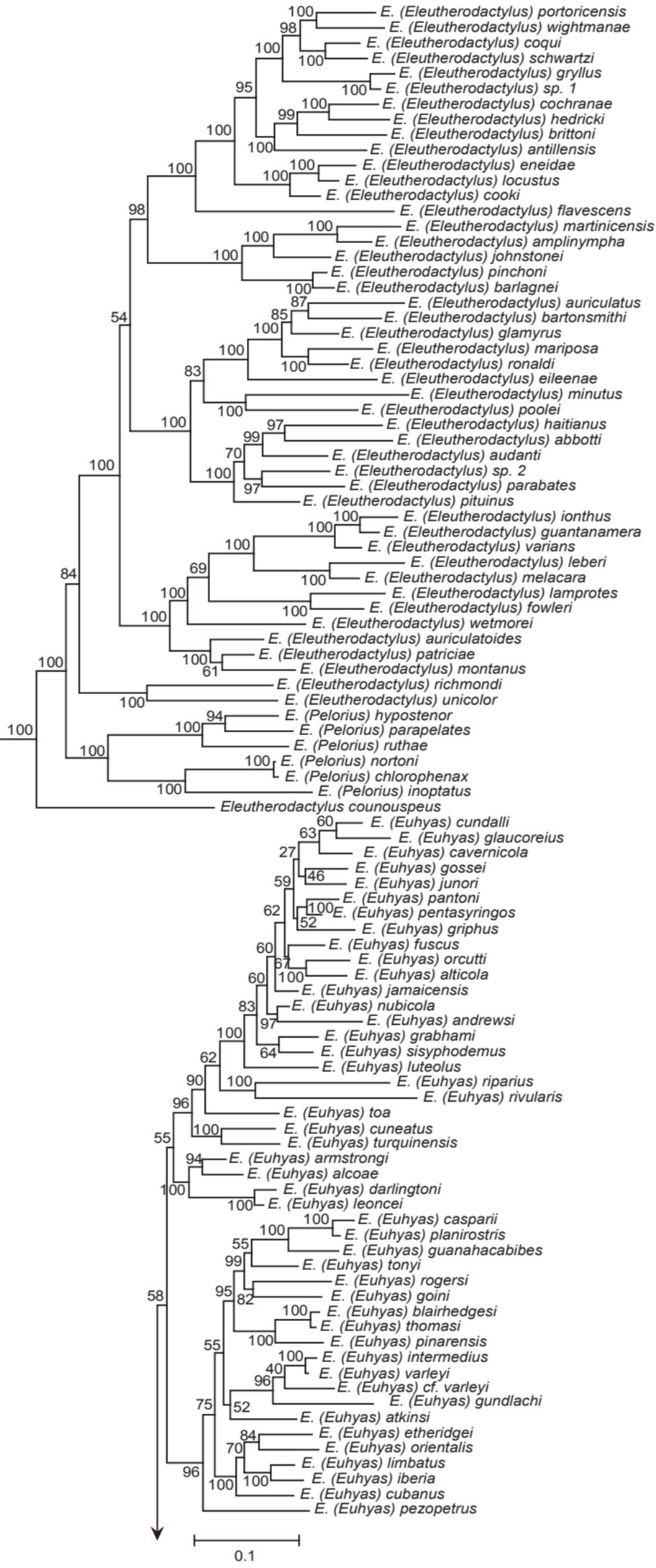


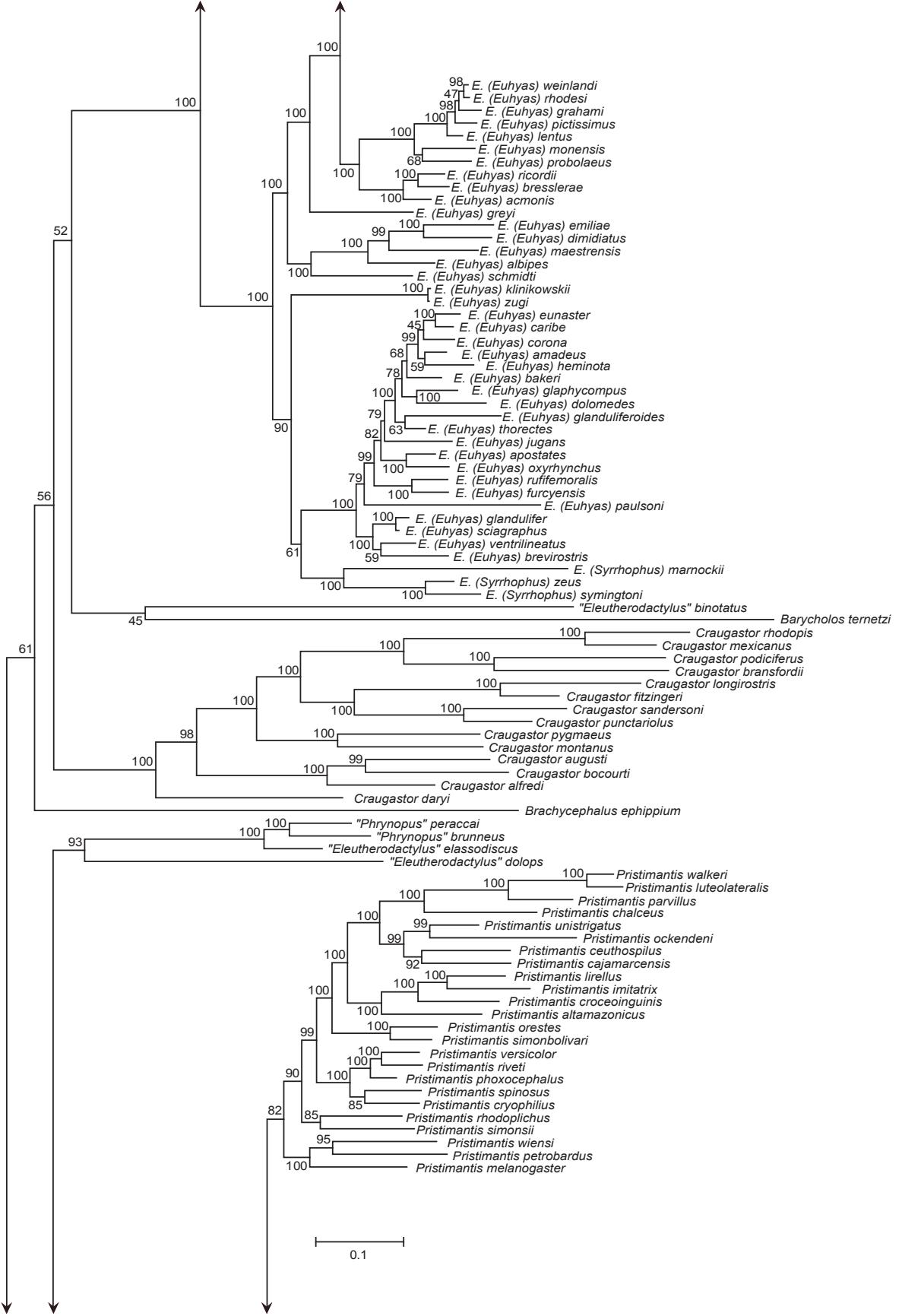




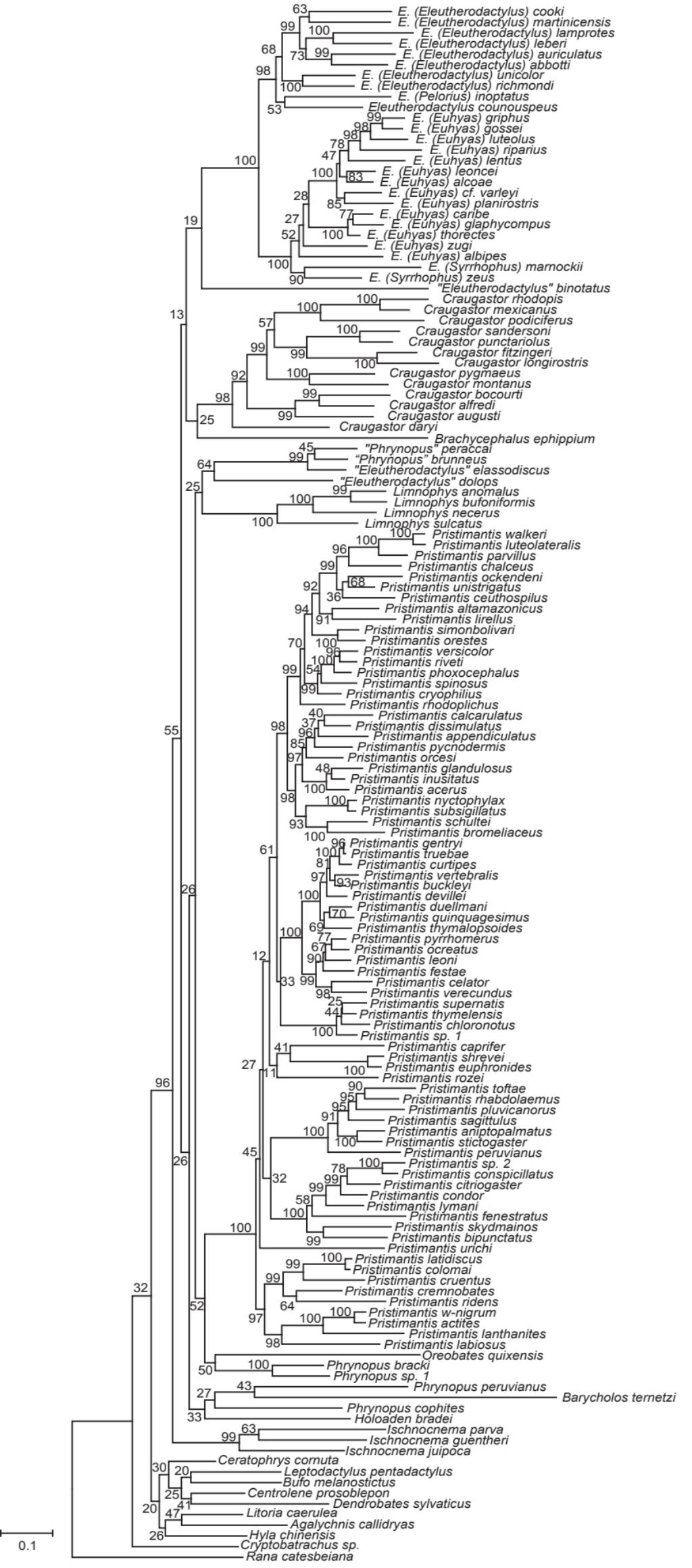


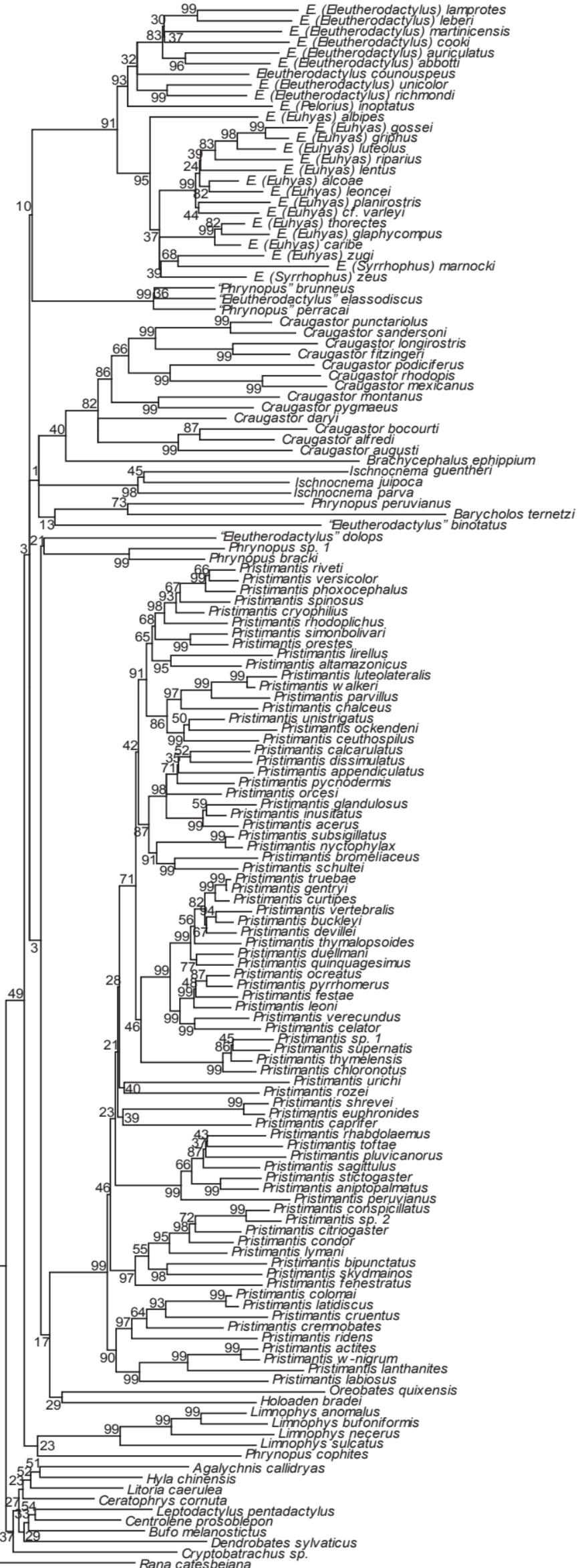
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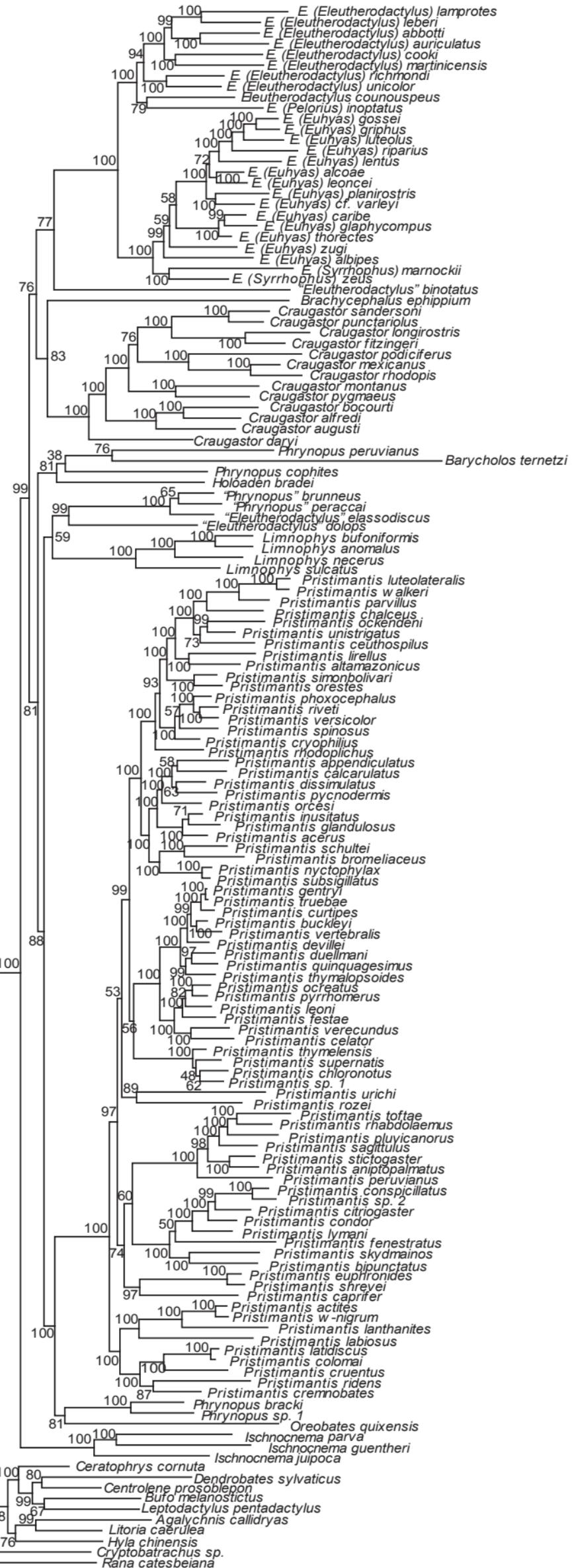




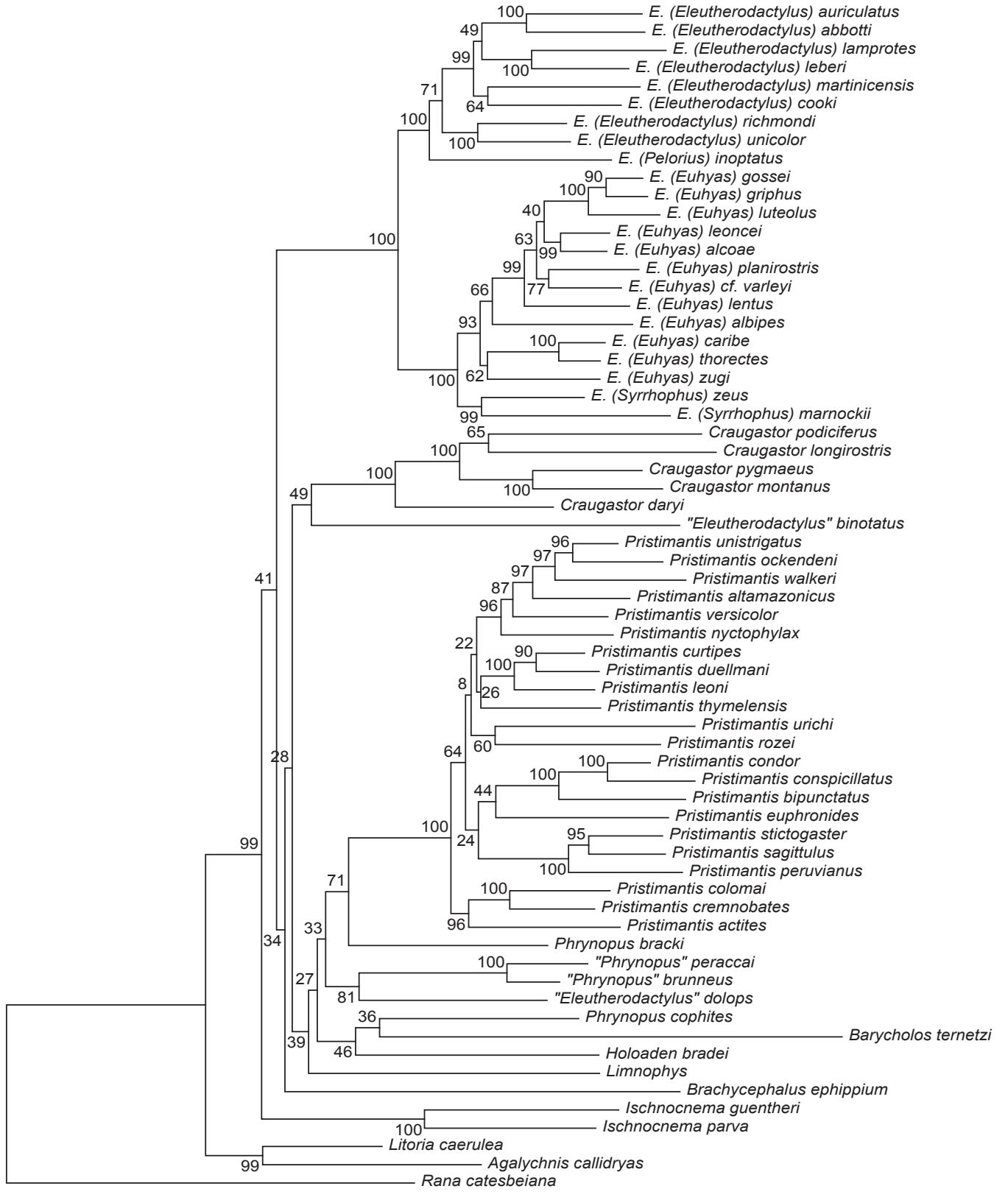




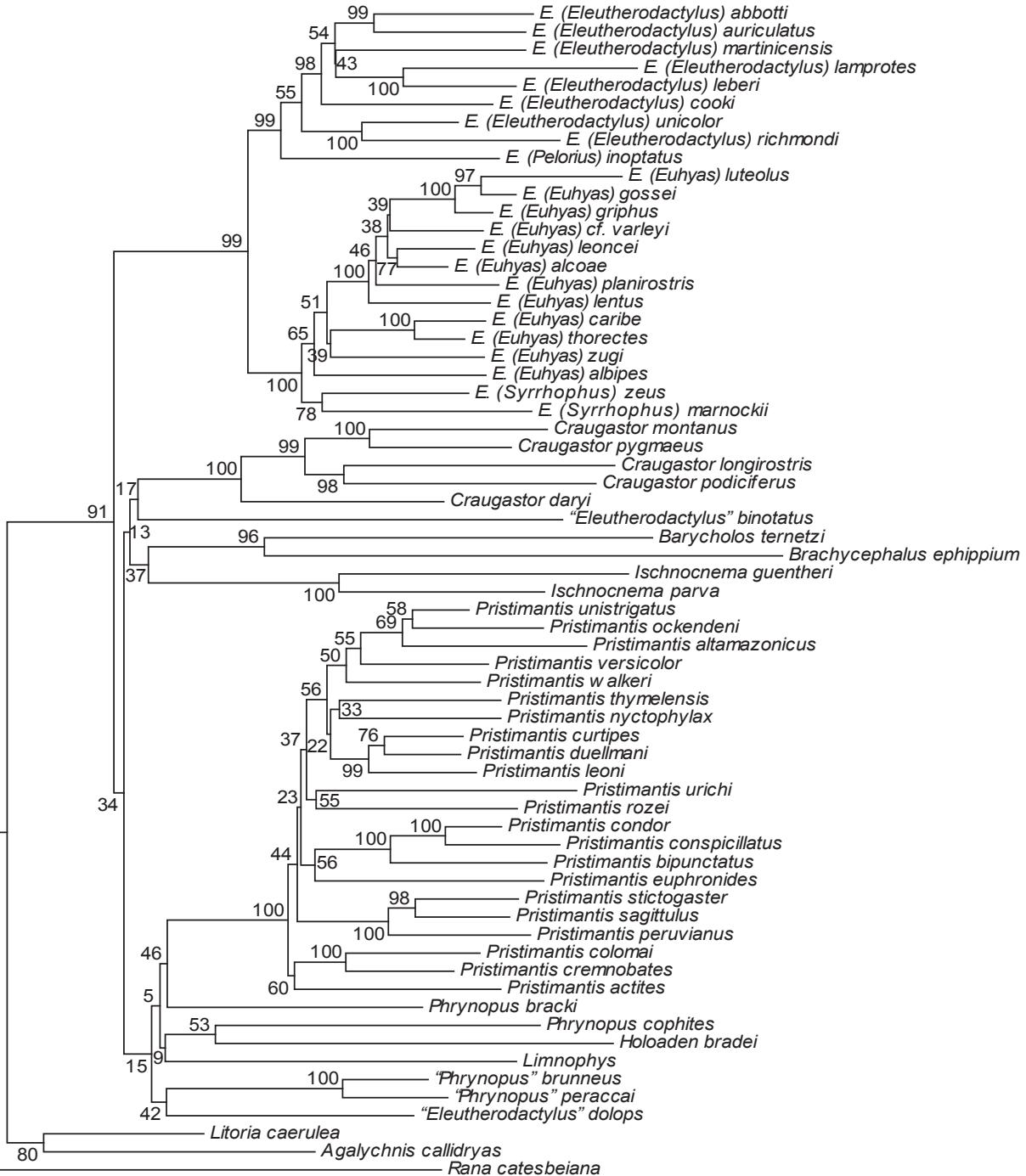




0.1



0.1



0.05

