

Additional file 1

Supplementary introduction

Table. Nomenclatural history, evidentiary basis, molecular markers, and taxonomic assignments for *Pristimantis euphronides*. Mitochondrial 12S-tRNA-Val-16S: *Pristimantis euphronides* voucher BWMC6918 tRNA-Phe (trnF) gene, partial sequence; 12S ribosomal RNA and tRNA-Val (trnV) genes, complete sequence; and 16S ribosomal RNA gene, partial sequence; mitochondrial; GenBank ID: EF493527.1. RAG-1: *Pristimantis euphronides* voucher BWMC6918 recombination activating protein 1 (RAG-1) gene, partial cds; GenBank ID: EF493427.1. TYR: *Pristimantis euphronides* voucher BWMC6918 tyrosinase precursor (Tyr) gene, exon 1 and partial cds; GenBank ID: EF493489.1. ASW: Amphibian Species of the World. ^{1D} Allozyme electrophoresis (Kaiser et al. 1994a) assays enzyme mobility and does not involve DNA sequencing; results are therefore not directly comparable to PCR-based Sanger sequencing or genome-scale analyses.

Name / combination	Taxonomic action	Primary reference	Evidence type	mt 12S-16S	RAG-1	TYR	Family / subfamily	Notes
<i>Eleutherodactylus urichi euphronides</i>	Original description (subspecies)	Schwartz 1967 [1]	Morphology	–	–	–	Leptodactylidae (sensu lato); no subfamily	Predates modern terraranan family concepts; <i>Eleutherodactylus</i> treated broadly within Leptodactylidae.
<i>Eleutherodactylus urichi euphronides</i>	Species group assignment	Schwartz 1969 [2]	Morphology	–	–	–	Leptodactylidae (sensu lato)	Placed in <i>E. auriculatus</i> group based on morphological characters.
<i>Eleutherodactylus euphronides</i>	Elevated to species	Kaiser et al. 1994a [3]	Morphology, bioacoustics, allozymes ^{1D}	–	–	–	Leptodactylidae (sensu lato)	Family assignment not the focus of the study; classification follows traditional pre-Terrarana framework.

<i>Eleutherodactylus euphronides</i>	Phylogenetic relationships	Kaiser et al. 1994b [4]	Morphology, allozymes ¹⁹ , karyology	–	–	–	Leptodactylidae (sensu lato)	Discussed phylogenetic relationships among Eastern Caribbean <i>Eleutherodactylus</i> ; cytogenetic data included.
<i>Eleutherodactylus euphronides</i>	Subgeneric placement	Lynch & Duellman 1997 [5]	Morphology (systematic framework)	–	–	–	Leptodactylidae (sensu lato)	Subgeneric structure within <i>Eleutherodactylus</i> ; no explicit family-level reassessment. Placed in <i>E. martinicensis</i> group.
<i>Eleutherodactylus euphronides</i>	Species account	Sander et al. 2003 [6]	Literature synthesis	–	–	–	Leptodactylidae (sensu lato)	Catalogue of American Amphibians and Reptiles account (764:1-3) summarizing known biology.
<i>Pristimantis euphronides</i>	Generic reassignment	Heinicke et al. 2007 [7]	Molecular phylogenetics	Submitted EF493527.1	Submitted EF493427.1	Submitted EF493489.1	(Eleutherodactylines) ; Northern South American clade (conceptual Terrarana clade)	Study focuses on generic reassignment; family-level taxonomy discussed broadly, not explicitly redefined per species.
<i>Pristimantis (Pristimantis) euphronides</i>	Subgeneric placement; species group assignment	Hedges et al. 2008 [8]	Molecular phylogenetic synthesis	Used EF493527.1	Used EF493427.1	Used EF493489.1	Strabomantidae; Strabomantinae	Explicit placement within Terrarana; Strabomantidae recognized as family containing <i>Pristimantis</i> . Placed in <i>P. unistrigatus</i> species group.
<i>Pristimantis euphronides</i>	Subfamily definition; family-level placement	Pyron & Wiens 2011 [9]	Molecular phylogenetics (supermatrix)	Used EF493527.1	Used EF493427.1	Used EF493489.1	Craugastoridae; Pristimantinae	Defined Pristimantinae subfamily within Craugastoridae; first to place <i>P. euphronides</i> in this family/subfamily combination using supermatrix approach with 2871 species.
<i>Pristimantis euphronides</i>	Species group unassigned	Padial et al. 2014 [10]	Molecular phylogenetic reanalysis	Used EF493527.1	Used EF493427.1	Used EF493489.1	Strabomantidae; Pristimantinae	Reanalysis found Strabomantidae non-monophyletic

<i>Pristimantis euphronides</i>	Family-level revision	Portik et al. 2023 [11]	Phylogenetics (supermatrix; hundreds of loci across thousands of species, 3 loci for <i>P. euphronides</i>)	Used EF493527.1	Used EF493427.1	Used EF493489.1	Craugastoridae; Pristimantinae	Supermatrix analysis using existing GenBank data; Strabomantidae found non-monophyletic and subsumed within Craugastoridae.
<i>Pristimantis euphronides</i> (current usage)	Accepted name	Frost 2024 [12]	Literature synthesis	–	–	–	Craugastoridae; Pristimantinae	ASW adopts Craugastoridae with Pristimantinae as subfamily; reflects current consensus.

References

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