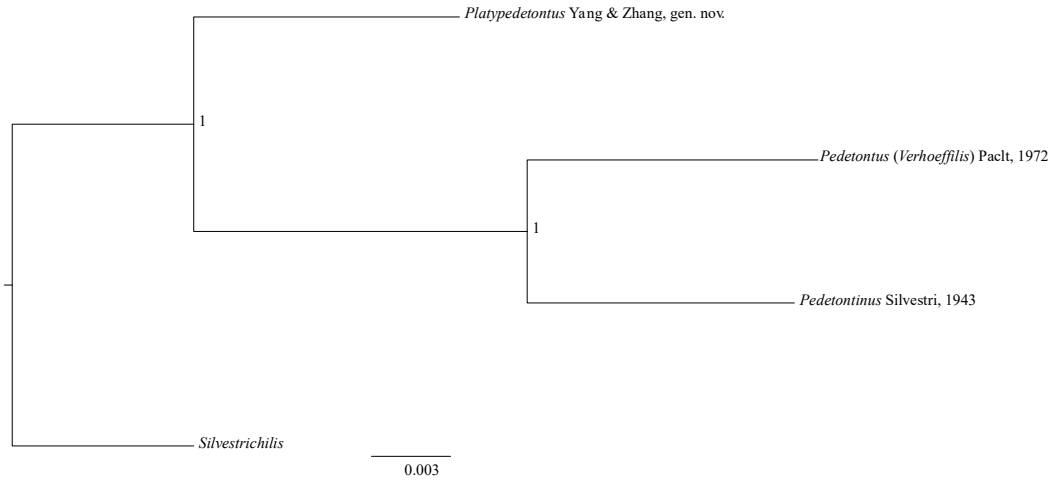


Figure S5. Phylogenetic relationships of *Pedetontus* (*Verhoeffilis*), *Platypedetontus*, *Pedetontinus*, and *Silvestrichilis*. The morphological matrix was constructed in Mesquite v4.02 [1], with the data type set to Standard Categorical, comprising 3 ingroup genera and 1 outgroup genus, along with 10 morphological characters. For designations, see Tables S4, S5. Morphological codings were entered: character states were input (e.g., 0, 1), polymorphic codings were written as (0&1), missing data were denoted by "?", and inapplicable characters by "-". After entry, the matrix was saved as a NEXUS file (.nex). MrBayes v.3.2.7 was used to reconstruct a Bayesian inference tree, running for 10 million generations, sampling every 1000 generations, with a burn-in of 25%. Finally, the resulting phylogenetic trees were visualized and beautified using FigTree v.1.4.4.

Reference

1. Maddison WP, Maddison DR. 2025. Mesquite. https://www.mesquiteproject.org.