

Phenetic and Phylogenetic Relationships of the Chilean *Alsodes* and *Telmatobius* (Amphibia, Leptodactylidae) and Proposal of a New Genus

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To understand the taxonomic and phylogenetic relationships of *Alsodes montanus* and *A. pehuenche* the species were compared with species of the genera *Alsodes* and *Telmatobius*. Comparisons were based on internal and external, qualitative and quantitative characters. Information was analyzed phenetically and phylogenetically. Phenetic analysis reveals for *A. montanus* and *A. pehuenche* an independent position with respect to other *Alsodes* and intermediate between species of *Alsodes* and *Telmatobius*. Phylogenetic analysis reveals that *A. montanus* and *A. pehuenche* have more ancestral states of characters than the species of *Alsodes* and *Telmatobius* analyzed. A new genus, containing *A. montanus* and *A. pehuenche* is proposed. © 1992, Taylor & Francis Group, LLC. All rights reserved.