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## Phylogeny and reclassification of the species of two neotropical grunt genera, *Anisotremus* and *Genyatremus* (Perciformes: Haemulidae), based on morphological evidence

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The haemulid genera *Anisotremus* and *Genyatremus* contain eleven valid New World species. We examined 52 morphological characters of all *Anisotremus* and *Genyatremus* species and five relatives. Based on phylogenetic analysis, we propose that two *Anisotremus* species (*Pristipoma dovii* and *Conodon pacifici*) are members of the genus *Genyatremus*. The primary synapomorphies leading to the definition of these clades come from the oral and pharyngeal jaws. Reclassification of both genera, as well as an identification key, is included. A review of early literature indicated that the type species of *Genyatremus* is *Diagramma cavifrons*, as stated by the original describer, and is not *Lutjanus luteus*, which is not a haemulid.

Palabras clave: Haemulidae, *Anisotremus*, *Genyatremus*, New World species, phylogeny

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