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(Coleoptera, Anthribidae, Anthribinae, Ptychoderini)**

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Revision and cladistic analysis of the genus *Ptychoderes* Schoenherr, 1823 (Coleoptera, Anthribidae, Anthribinae, Ptychoderini)

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Abstract

A review and cladistic analysis of the genus *Ptychoderes* Schoenherr, 1823 is presented. The genus and the following seventeen known species are redescribed: *P. nebulosus* (Olivier, 1795) (type species), *P. elongatus* (Germar, 1824), *P. viridanus* Boheman, 1833, *P. virgatus* Fåhraeus, 1839, *P. obsoletus* Jekel, 1855, *P. depressus* Jekel, 1855, *P. mixtus* Jekel, 1855, *P. callosus* Jekel, 1855, *P. antiquus* Jekel, 1855, *P. brevis* Jordan, 1894, *P. longicollis* Jordan, 1894, *P. bivittatus* Jordan, 1894, *P. rugicollis* Jordan, 1895, *P. jordani* Frieser, 1959, *P. crustatus* Frieser, 1988, *P. magnus* Mermudes & Napp, 2004 and *P. jekeli* Mermudes & Napp, 2004. New synonyms are proposed: *Ptychoderes nebulosus* (Olivier, 1795) = *Ptychoderes tricostifrons* Fåhraeus, 1839 **syn. nov.** = *Ptychoderes columbianus* Jekel, 1855 **syn. nov.**; and *Ptychoderes antiquus* Jekel, 1855 = *Ptychoderes affinis* Jordan, 1894 **syn. nov.** A key to species and maps of their geographical distribution are provided. The cladistic analysis with 24 taxa and 50 characters from body vestiture, external morphology, wing venation, male and female terminalia and rectal loop, resulted in a single cladogram showing, for the first time, a hypothesis of phylogenetic relationship among genera of Anthribinae. The analysis included the seventeen species of *Ptychoderes*, as defined in the taxonomic review, along with the type species of the genera presently considered as belonging to Ptychoderini Jekel, 1855: *Cerambyrhynchus schoenherri* Montrouzier, 1855, *Phloepemon acuticornis* (Fabricius), *Phloeotragus heros* (Fabricius), *Tribotropis prasinata* (Fåhraeus, 1839), *Hypselotropis annulicornis* (Fåhraeus, 1839) and *Unanthribus maximus* Mermudes, 2003. A hypothesis of the phylogenetic relationships among the Neotropical genera of Ptychoderini is presented in parenthetical notation: ((*Tribotropis* + *Hypselotropis*) (*Unanthribus* + *Ptychoderes*)). The monophyly of *Ptychoderes* is supported by 14 synapomorphies and its interrelationships are as follows: ((*P. crustatus* (*P. brevis* + *P. jekeli*)) ((*P. longicollis* (*P. jordani* (*P. obsoletus*+*P. magnus*) (*P. depressus*+*P. virgatus*))) (*P. mixtus* (*P. bivittatus* ((*P. callosus*+*P. rugicollis*) (*P. viridanus* (*P. antiquus* (*P. elongatus*+*P. nebulosus*)))))))).

Key words: Anthribidae, cladistics, morphology, *Ptychoderes*, *Ptychoderini*, taxonomy

Resumo

Apresenta-se a revisão e análise cladística do gênero *Ptychoderes* Schoenherr, 1823. O gênero e suas 17 espécies conhecidas são redescritos: *P. nebulosus* (Olivier, 1795) (espécie-tipo), *P. elongatus* (Germar, 1824), *P. viridanus* Boheman, 1833, *P. virgatus* Fåhraeus, 1839, *P. obsoletus* Jekel, 1855, *P. depressus* Jekel, 1855, *P. mixtus* Jekel, 1855, *P. callosus* Jekel, 1855, *P. antiquus* Jekel, 1855, *P. brevis* Jordan, 1894, *P. longicollis* Jordan, 1894, *P. bivittatus* Jordan, 1894, *P. rugicollis* Jordan, 1895, *P. jordani* Frieser, 1959, *P. crustatus* Frieser, 1988, *P. magnus* Mermudes & Napp, 2004 e *P. jekeli* Mermudes & Napp, 2004. Novos sinônimos propostos: *Ptychoderes nebulosus* (Olivier, 1795) = *Ptychoderes tricostifrons* Fåhraeus, 1839 **syn. nov.** = *Ptychoderes*