

A redescription of *Neozavrelia cuneipennis* (Edwards) comb. nov., with a checklist of *Neozavrelia* species of the world (Diptera: Chironomidae)

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Abstract

The larva, pupa, and imago of *Neozavrelia cuneipennis* comb. nov., previously placed in *Tanytarsus*, *Stempellina* and *Stempellinella*, are described and diagnosed. Illustrations of all stages as well as a partial COI gene sequence are presented. *Neozavrelia longappendiculata* is listed as a new junior synonym of *N. cuneipennis*, and *Zavrelia kibunensis* is given a new combination and now placed in *Neozavrelia*. An annotated overview of the world's valid *Neozavrelia* species is given.

Key words: Tanytarsini, Zavreliina, new combination, checklist, taxonomy, distribution, DNA-barcode

Introduction

Neozavrelia of the tribe Tanytarsini has 23 described species worldwide and is recorded from all major geographical regions except Africa and the Neotropics (Table 1, Coffman 1978; Jim Sublette pers. comm. 2005). The genus was first described by Goetghebuer (in Goetghebuer & Thienemann 1941) with *Neozavrelia luteola* from Lunzer See in Austria as type species. Fittkau (1954) added three more species in his review of *Neozavrelia*, but two of these were later synonymised. Since then, numerous species, in particular from the eastern Palaearctic region, have been introduced, either as species new to science or species given new combinations (Table 1). As more species and descriptions of immature stages were presented, emendations of the generic diagnoses in Pinder & Reiss (1983, 1986) and Cranston *et al.* (1989) were necessary for both imago and immature stages (Cranston 1998; Guo & Wang 2005). These two reviews present the most recent diagnoses of the genus *Neozavrelia*.