

Complete list of sequences used in the molecular phylogenetic analysis

Electronic supplementary material 2 to the article:

Tsvetkova A.Yu. & Tumanov D.V. 2024. *Tenuibiotus yeliseii* sp. nov., a new species of Macrobiotidae (Tardigrada: Eutardigrada) from Svalbard, Norway, with discussion of taxonomic criteria within the genus and its phylogeny. *Zoosystematica Rossica*, **33**(1): 28–47.

Species	18S rRNA	28S rRNA	ITS-2	COI
<i>Tenuibiotus</i> cf. <i>ciprianoi</i> (Guil, Guidetti et Machordom, 2007)	MN888376	MN888361	MN888348	MN888328
<i>Tenuibiotus danilovi</i> (Tumanov, 2007)	MN888377	MN888362	MN888349	MN888329
<i>Tenuibiotus tenuiformis</i> (Tumanov, 2007)	MN888378	MN888363	MN888350	MN888330
<i>Tenuibiotus</i> aff. <i>voronkovi</i> (Tumanov, 2007)	KX810045	KX810049, KX810050	KX810046, KX810047, KX810048	KX810042, KX810043, KX810044
<i>Tenuibiotus yeliseii</i> sp. nov.	OR142418, OR142419, OR142420	OR142426, OR142427, OR142428	OR142424, OR142425	OR145334, OR145335, OR145336
<i>Tenuibiotus zandrae</i> Stec, Tumanov et Kristensen, 2020	MN443040	MN443035	MN443038	MN444827
<i>Mesobiotus anastasiae</i> Tumanov, 2020	MT903468	MT903612	MT903470	MT904513

Notes. The sequences produced in this study and respective taxa are given in bold. The sequences of *T. aff. voronkovi* used in the analysis were presented in a study of Zawierucha et al. (2016). The authors provided a redescription of *T. voronkovi*, adding the molecular data to the existing morphological description. However, Stec et al. (2020) reexamined the material used by Zawierucha et al. and concluded that it significantly differs morphologically from the type material collected by Tumanov (2007). Therefore *T. aff. voronkovi* is most likely a yet undescribed *Tenuibiotus* species, which closely resembles *T. zandrae* (see discussion in Stec et al., 2020).