

Complete list of sequences used for molecular comparisons between *Hypsibius repentinus* sp. nov. and all other species of the subfamily Hypsibiinae for which homologous DNA sequences are currently available

Electronic supplementary material 1 to the article: Tumanov D.V. & Avdeeva G.S. 2021. Integrative description of *Hypsibius repentinus* sp. nov. (Eutardigrada: Hypsibiidae) from Sweden. *Zoosystematica Rossica*, 30(1): 101–115.

Gene	Species	Accession number	Source
COI	<i>Hypsibius repentinus</i> sp. nov.	MW549048, MW549049	This study
	<i>Hypsibius dujardini</i> (Doyère, 1840)	MG818723	Gąsiorek et al., 2018a
	<i>Hypsibius exemplaris</i> Gąsiorek et al., 2018	KU513418	Gąsiorek et al., 2018a
	<i>Hypsibius</i> cf. <i>exemplaris</i> 1	MW010375	Zawierucha et al., 2020
	<i>Hypsibius</i> cf. <i>exemplaris</i> 2.1	MW010373	Zawierucha et al., 2020
	<i>Hypsibius</i> cf. <i>exemplaris</i> 2.2	MW010374	Zawierucha et al., 2020
	<i>Hypsibius</i> cf. <i>exemplaris</i> 3	MW010376	Zawierucha et al., 2020
	<i>Hypsibius convergens</i> (Urbanowicz, 1925)	FJ435798	Guil & Giribet, 2012
	<i>Hypsibius</i> sp.	EF632522	Sands et al., 2008
	<i>Borealiobius zetlandicus</i> (Murray, 1907)	FJ184601	Rebecchi et al., 2009
	<i>Cryobiotus klebelsbergi</i> (Mihelčič, 1959)	KT901831	Dabert et al., 2015
18S rRNA	<i>Hypsibius repentinus</i> sp. nov.	MN927183, MN927184	Tumanov, 2020
	<i>Hypsibius dujardini</i> (Doyère, 1840)	MG777532	Gąsiorek et al., 2018a
	<i>Hypsibius exemplaris</i> Gąsiorek et al., 2018	HQ604943	Gąsiorek et al., 2018a
	<i>Hypsibius</i> cf. <i>convergens</i>	KC582832	Dabert et al., 2014
	<i>Hypsibius pallidus</i> Thulin, 1911	HQ604945	Bertolani et al., 2014
	<i>Hypsibius</i> sp.	EU266939	Sands et al., 2008
	<i>Hypsibius scabropygus</i> Cuénot, 1929	AM500649	Kiehl et al., 2007
	<i>Hypsibius scabropygus</i> Cuénot, 1929	KC582831	Dabert et al., 2014
	<i>Borealiobius zetlandicus</i> (Murray, 1907)	HQ604923	Bertolani et al., 2014
	<i>Cryobiotus klebelsbergi</i> (Mihelčič, 1959)	KT901828	Dabert et al., 2015
28S rRNA	<i>Hypsibius repentinus</i> sp. nov.	MW549063, MW549064	This study
	<i>Hypsibius dujardini</i> (Doyère, 1840)	MG777533	Gąsiorek et al., 2018a
	<i>Hypsibius exemplaris</i> Gąsiorek et al., 2018	MG800337	Gąsiorek et al., 2018a
	<i>Hypsibius convergens</i> (Urbanowicz, 1925)	FJ435771	Guil & Giribet, 2012
ITS-2	<i>Cryobiotus klebelsbergi</i> (Mihelčič, 1959)	KC582835	Dabert et al., 2014
	<i>Hypsibius repentinus</i> sp. nov.	MW549061, MW549062	This study
	<i>Hypsibius dujardini</i> (Doyère, 1840)	MG777531	Gąsiorek et al., 2018a
	<i>Hypsibius exemplaris</i> Gąsiorek et al., 2018	MG800336	Gąsiorek et al., 2018a