

Research Article

OPEN ACCESS

Lisnerová M., Blabolil P., Holzer A., Jurajda P., Fiala I. 2020: Myxozoan hidden diversity: the case of *Myxobolus pseudodispar*. Folia Parasitol. 67: 019.

Supplementary Table 1. Number of fish species used in the present study.

Host	Classification	Number of fish
<i>Abramis brama</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	36
<i>Alburnoides bipunctatus</i> (Bloch)	Cypriniformes: Cyprinidae: Alburninae	10
<i>Alburnus alburnus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Alburninae	14
<i>Ameiurus nebulosus</i> (Lesueur)	Siluriformes: Ictaluridae	5
<i>Aspius aspius</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	7
<i>Barbatula barbatula</i> (Linnaeus)	Cypriniformes: Balitoridae	11
<i>Barbus barbus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Barbinae	8
<i>Blicca bjorkna</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	11
<i>Carassius auratus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Cyprininae	11
<i>Carassius carassius</i> (Linnaeus)	Cypriniformes: Cyprinidae: Cyprininae	6
<i>Cobitis elongatoides</i> Băcescu et Maier	Cypriniformes: Cobitidae	9
<i>Cottus gobio</i> Linnaeus	Scorpaeniformes: Cottidae	18
<i>Ctenopharyngodon idella</i> (Valenciennes)	Cypriniformes: Cyprinidae: Squaliobarbinae	4
<i>Cyprinus carpio</i> Linnaeus	Cypriniformes: Cyprinidae: Cyprininae	16
<i>Gobio gobio</i> (Linnaeus)	Cypriniformes: Cyprinidae: Gobioninae	12
<i>Hypophthalmichthys nobilis</i> (Richardson)	Cypriniformes: Cyprinidae: Xenocyprinae	2
<i>Chondrostoma nasus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	1
<i>Lepomis gibbosus</i> (Linnaeus)	Perciformes: Centrarchidae	14
<i>Leuciscus cephalus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	4
<i>Leuciscus idus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	16
<i>Leuciscus leuciscus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	5
<i>Lota lota</i> (Linnaeus)	Gadiformes: Lotidae	1
<i>Misgurnus fossilis</i> (Linnaeus)	Cypriniformes: Cobitidae	1
<i>Neogobius melanostomus</i> (Pallas)	Gobiiformes: Gobiidae	3
<i>Perca fluviatilis</i> Linnaeus	Perciformes: Percidae	38
<i>Phoxinus phoxinus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	17
<i>Pseudorasbora parva</i> (Temminck et Schlegel)	Cypriniformes: Cyprinidae: Gobioninae	10
<i>Rhodeus amarus</i> (Bloch)	Cypriniformes: Cyprinidae: Acheilognathinae	17
<i>Rutilus rutilus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	40
<i>Salmo trutta</i> Linnaeus	Salmoniformes: Salmonidae	15
<i>Scardinius erythrophthalmus</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	26
<i>Silurus glanis</i> Linnaeus	Siluriformes: Siluridae	7
<i>Sander lucioperca</i> (Linnaeus)	Perciformes: Percidae	17
<i>Sabanejewia bulgarica</i> (Drensky)	Cypriniformes: Cobitidae	5
<i>Tinca tinca</i> (Linnaeus)	Cypriniformes: Cyprinidae: Tincinae	28
<i>Vimba vimba</i> (Linnaeus)	Cypriniformes: Cyprinidae: Leuciscinae	7
	In total	452

Supplementary Table 2. Alternative tree topology test.

Topology	δ_x	AU test	KH test	SH test
0	-52.9	1.000	0.996	0.996
1	1946.3	2e-005*	0.004*	0.004*

0 = the best scoring topology, 1 = alternative topology with constrained *Myxobolus pseudodispar* sequences to form a monophyletic clade. δ_x = the log-likelihood difference to the best tree (best tree itself shows the negative distance to the second best tree); AU = Approximately unbiased, KH = Kishino-Hasegawa; SH = Shimodaira-Hasegawa; * = significantly worse tree.

Address for correspondence: Ivan Fiala, Biology Centre of ASCR, Institute of Parasitology, and Faculty of Science, University of South Bohemia, Branišovská 31, České Budějovice, 37005, Czech Republic. Phone: +420387775450; Fax.: +420385310388; E-mail: fiala@paru.cas.cz