

Supplementary Table 1. Information on species and sequences used for the phylogenetic tree. Sequences for COI, 12S and 16S rRNA genes were compiled from Adamowicz et al. 2009 (GenBank accessions) and Cornetti et al. 2019 (ENA accessions).

Species	Sample/Clone-ID	COI	12S	16S	Reference
<i>Daphnia similis</i>	D. similis (EUR)	AY921418	AY921470	AY921455	Adamowicz et al. 2009
<i>Daphnia sinensis</i>	D.sinensis_RU-TU2-01	ERP109988;PRJEB27855;LS991519			Cornetti et al. 2019
<i>Daphnia lumholtzi</i>	D.lumholtzi_US-MO	ERP109988;PRJEB27855;LS991497			Cornetti et al. 2019
<i>Daphnia carinata</i>	D. carinata (AUS)	AF217116	AY921461	AY921435	Adamowicz et al. 2009
<i>Daphnia magna</i>	FI-XINB3	ERP109988;PRJEB27855;LS991505			Cornetti et al. 2019
<i>Daphnia hispanica</i>	D.hispanica_PT-GA-1	ERP109988;PRJEB27855;LS991493			Cornetti et al. 2019
<i>Daphnia dolichocephala</i>	D.dolichocephala_ZA-DOLI	ERP109988;PRJEB27855;LS991492			Cornetti et al. 2019
<i>Daphnia barbata</i>	D.barbata_ZW-BAR-1	ERP109988;PRJEB27855;LS991490			Cornetti et al. 2019
<i>Daphnia longispina</i>	D.longispina_FI-G-95-1_INB4-1	ERP109988;PRJEB27855;LS991494			Cornetti et al. 2019
<i>Daphnia dentifera</i>	D. dentifera (NA)	FJ427488	FJ427416	None	Adamowicz et al. 2009
<i>Daphnia mendotae</i>	D. mendotae (NA)	AY921412	FJ427421	AF064187	Adamowicz et al. 2009
<i>Daphnia galeata</i>	D. galeata (EU)	EF375867	EF375851	None	Adamowicz et al. 2009
<i>Daphnia curvirostris</i>	D. curvirostris (EUR, NA)	FJ427487	FJ427415	None	Adamowicz et al. 2009
<i>Daphnia pulex</i>	D.pulex_CH-H	ERP109988;PRJEB27855;LS991506			Cornetti et al. 2019
<i>Daphnia pulicaria</i>	D.pulicaria_CZ-RIM1-1	ERP109988;PRJEB27855;LS991509			Cornetti et al. 2019
<i>Ceriodaphnia reticulata</i>	Ceriodaphnia_sp_OM-SAIQ-clone2	ERP109988;PRJEB27855;LS991488			Cornetti et al. 2019
<i>Simocephalus sp.</i>	Simocephalus sp2 (NA)	FJ427479	FJ427401	FJ427453	Adamowicz et al. 2009
<i>Scapholeberis sp.</i>	Scapholeberis sp. (NA)	AY921410	AY921476	AY921458	Adamowicz et al. 2009