

Supplementary Materials

Table S1. List of the primers used in this study.

Gene	Primer	Reference
COI	LCO1490 (f) 5'-GGT CAA CAA ATC ATA AAG ATA TTG G-3'	[97]
	HCO2198 (r) 5'-TAA ACT TCA GGG TGA CCA AAA AAT CA-3'	
16S	ARL (f) 5'-CGC CTG TTT ATC AAA AAC AT-3'	[98]
	BRH (r) 5'-CCG GTC TGA ACT CAG ATC ACG T-3'	
18S	SWAM18S (f) 5'-GAA TGG CTC ATT AAA TCA GTC GAG GTT CCT TAG ATG ATC CAA ATC-3'	[98]
	SWAM18S (r) 5'-ATC CTC GTT AAA GGG TTT AAA GTG TAC TC ATT CCA ATT ACG GAG C-3'	

Table S2. List of used for the molecular analysis species with their accession numbers in GenBank.

Species name	COI GB	16S GB	18S GB
<i>Taylorconcha serpenticola</i>	DQ076018, DQ076010		
<i>Taylorconcha insperata</i>	DQ075988, DQ076011		
<i>Parabythinella marstoniopsis</i>	HM234395		EF070627
<i>Akiyoshia kobayashii</i>	AB611823	AB611822	AB611820
<i>Erhaia jianouensis</i>	AF367652	AF212894	AF367688
<i>Moria kikuchii</i>	AF213350	AF212905	AF212918
Baicaliidae, cluster 1:			
<i>Korotnewia korotnewii</i> , <i>Parabaikalia elata</i> , Z93004, Z93003, Z92999, <i>P. oviformis</i> , <i>Godlewskia wrzesniowski</i> , <i>P.</i> Z92998, Z93002, Y15378, <i>florii</i> , <i>Pseudobaikalia zachwatkini</i> , <i>K. se-</i> Z93005, Z93006, Z92985, <i>menkewitchi</i> , <i>Teratobaikalia macrostoma</i> , Y15377 <i>Liobaicalia stiedae</i> , <i>Ps. pulla</i>			
Baicaliidae, cluster 2: <i>T. nana</i> , <i>Baicalia</i> Z92994, Z93009, Z92995, <i>dybowskiana</i> , <i>G. pulchella</i> , <i>Ps. contabulata</i> , Z92996, Z92987, Z92986, <i>Ps. elegantula</i> , <i>B. turrimiformis</i> , <i>B. carinata</i> , FN185907, FN185880, <i>B. dybowskiana</i> spp. HQ1132704			
<i>Amnicola limosa</i>	AF213348	AF212903	AF212916
<i>Amnicola dalli</i>	KU991116	AY622435	
<i>Kolymamnicola wasiliewae</i>	OQ244086– OQ244093	OQ211409– OQ211416	OQ211097– OQ211100