

Supplementary Table S2. List of sequences used for the phylogenetic relationships within the genus *Pletholophus* with respective haplotypes, localities, voucher numbers or specimen codes, and GenBank references. Acronyms for the voucher deposit institutions as follows: IEBR – Institute of Ecology and Biological Resources, Hanoi, Vietnam; MHS – Matsuyama High School, Japan; NCSM – North Carolina Museum of Natural Sciences, U.S.A.

Reference	Species	Haplotype	Latitude	Longitude	River/Lake	Region	Country	Voucher	Study
INGROUP									
SUBMITTED	<i>Pletholophus honglinhensis</i> sp. nov.	8	18.5314	105.7234	Hồng Lĩnh	Bắc Trung Bộ	Vietnam	NCSM 47211.1	THIS STUDY
SUBMITTED	<i>Pletholophus honglinhensis</i> sp. nov.	8	18.5314	105.7234	Hồng Lĩnh	Bắc Trung Bộ	Vietnam	NCSM 103062.2	THIS STUDY
SUBMITTED	<i>Pletholophus honlingensis</i> sp. nov.	8	18.5314	105.7234	Hồng Lĩnh	Bắc Trung Bộ	Vietnam	NCSM 103062.3	THIS STUDY
KX822658	<i>Pletholophus tenuis</i>	4	21.3243	105.4027	Red basin	Dong Bac	Vietnam	NCSM 84924.1	Lopes-Lima et al 2017 [90]
MT020602	<i>Pletholophus tenuis</i>	5	21.3243	105.4027	Red basin	Dong Bac	Vietnam	NCSM 84924.3	Lopes-Lima et al 2020 [18]
MT020599	<i>Pletholophus tenuis</i>	1	22.2386	106.5905	Pearl basin	Dong Bac	Vietnam	NCSM 84943.1	Lopes-Lima et al 2020 [18]
MT020599	<i>Pletholophus tenuis</i>	1	21.3269	103.9189	Day River	Tay Bac	Vietnam	NCSM84951.2	Lopes-Lima et al 2020 [18]
MT020599	<i>Pletholophus tenuis</i>	1	21.3269	103.9180	Day River	Tay Bac	Vietnam	NCSM84951.3	Lopes-Lima et al 2020 [18]
MT020600	<i>Pletholophus tenuis</i>	2	21.3269	103.9189	Day River	Tay Bac	Vietnam	NCSM85006.1	Lopes-Lima et al 2020 [18]
MT020599	<i>Pletholophus tenuis</i>	1	21.3269	103.9189	Day River	Tay Bac	Vietnam	NCSM85006.2	Lopes-Lima et al 2020 [18]
MT020601	<i>Pletholophus tenuis</i>	3	21.0878	105.6604	Red basin	Dong Bang	Vietnam	NCSM 85273.10	Lopes-Lima et al 2020 [18]
MT020604	<i>Pletholophus reinianus</i>	7	33.8121	130.5397	Turikawa River	Fukuoka	Japan	MHS PTFO-01	Lopes-Lima et al 2020 [18]
MT020604	<i>Pletholophus reinianus</i>	7	33.8121	130.5397	Turikawa River	Fukuoka	Japan	MHS PTFO-02	Lopes-Lima et al 2020 [18]
MT020603	<i>Pletholophus reinianus</i>	6	24.3987	124.1994	Nagura River	Okinawa	Japan	MHS PTON-01	Lopes-Lima et al 2020 [18]
MT020603	<i>Pletholophus reinianus</i>	6	24.3987	124.1994	Nagura River	Okinawa	Japan	MHS PTON-02	Lopes-Lima et al 2020 [18]
MT020603	<i>Pletholophus reinianus</i>	6	24.3987	124.1994	Nagura River	Okinawa	Japan	MHS PTON-03	Lopes-Lima et al 2020 [18]
OUTGROUP									
SUBMITTED	<i>Cristaria truncata</i>	----	22.5522	106.3966	Bằng River	Đông Bắc	Vietnam	IEBR FM CT02?	THIS STUDY
SUBMITTED	<i>Sinanodonta jourdyi</i>	----	18.5314	105.7230	-----	Bắc Trung Bộ	Vietnam	NCSM 47207.01	THIS STUDY
MH293546	<i>Gibbosula crassa</i>	----	44.9143	142.5843	Bằng River	Đông Bắc	Vietnam	IEBR FM GC01	Lopes-Lima et al 2020 [18]