

Table S1. Detailed information of 34 adult fecal samples of *Acheilognathus majusculus* collected in the Nakdong and Seomjin Rivers in South Korea

Sampling site	Date	Sample Name	Total length (mm)	Standard length (mm)	Body weight (g)	Sex
Nakdong river	Aug. 19 2020	NSu-01	63	52	2.89	N.D.
		NSu-02	62	52	2.75	N.D.
		NSu-03	62	51	2.95	N.D.
		NSu-04	77	65	5.25	N.D.
		NSu-05	80	66	6.52	N.D.
		NSu-06	83	55	10.46	N.D.
		NSu-07	84	71	6.11	N.D.
		NSu-08	77	64	4.85	N.D.
	Nov. 18 2020	NFa-01	50	62	2.30	N.D.
		NFa-02	68	81	6.51	N.D.
		NFa-03	59	71	3.16	N.D.
		NFa-04	59	72	3.21	N.D.
		NFa-05	53	65	2.89	N.D.
		NFa-06	52	64	2.63	N.D.
		NFa-07	51	62	1.81	N.D.
		NFa-08	60	72	3.41	N.D.
	Apr. 20 2021	NSp-01	65	58	3.23	F
		NSp-02	81	67	5.79	M
		NSp-03	65	58	2.65	F
		NSp-04	66	59	3.00	M
NSp-05		98	80	11.23	F	
NSp-06		132	110	33.72	M	
NSp-07		111	92	17.59	F	
NSp-08		95	78	10.20	M	
NSp-09		66	54	3.12	F	
NSp-10		74	60	4.20	M	
Seomjin river	Apr. 22 2021	SSp-01	77	64	5.23	F
		SSp-02	92	74	11.79	F
		SSp-03	75	61	4.65	M
		SSp-04	80	66	5.57	M
		SSp-05	102	84	12.79	F
		SSp-06	102	84	12.43	M
		SSp-07	76	62	4.51	M
		SSp-08	76	62	5.12	F

N.D., no data; F, Female; M, male

Table S2. Blast results of 18S rDNA sequences from 14 pelvic fin samples of *Acheilognathus majusculus*

No.	Sample name	Length (bp)	Species	Percent identity (%)	E value	GenBank accession number	Hit strand
1	AGTC-FF-0275	1827	<i>Hemibarbus labeo</i>	98.19	0e+0	MH843153	Plus
2	AGTC-FF-0279	1209	<i>Hemibarbus labeo</i>	99.34	0e+0	MH843153	Plus
3	AGTC-FF-0283	1830	<i>Hemibarbus labeo</i>	98.25	0e+0	MH843153	Plus
4	AGTC-FF-0285	1827	<i>Hemibarbus labeo</i>	98.30	0e+0	MH843153	Plus
5	AGTC-FF-0330	1830	<i>Hemibarbus labeo</i>	98.09	0e+0	MH843153	Plus
6	AGTC-FF-0359	1824	<i>Hemibarbus labeo</i>	98.36	0e+0	MH843153	Plus
7	AGTC-FF-0371	1826	<i>Hemibarbus labeo</i>	98.36	0e+0	MH843153	Plus
8	AGTC-FF-0372	1827	<i>Hemibarbus labeo</i>	98.25	0e+0	MH843153	Plus
9	AGTC-FF-0374	1832	<i>Hemibarbus labeo</i>	97.98	0e+0	MH843153	Plus
10	AGTC-FF-0342	1183	<i>Hemibarbus labeo</i>	99.07	0e+0	MH843153	Plus
11	AGTC-FF-0291	1827	<i>Hemibarbus labeo</i>	98.14	0e+0	MH843153	Plus
12	AGTC-FF-0353	1825	<i>Hemibarbus labeo</i>	98.36	0e+0	MH843153	Plus
13	AGTC-FF-0334	1132	<i>Hemibarbus labeo</i>	97.44	0e+0	MH843153	Plus
14	AGTC-FF-0338	1826	<i>Hemibarbus labeo</i>	98.30	0e+0	MH843153	Plus