**Supplementary Table S2.** Infection status of *Metagonimus* spp.metacercariae (MsMc) in fish from the water systems of Han-gang in Korea

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| --- | --- | --- | --- |
| Locality (Year) and fish sp. | No. fish examined | No. (%) fish infected | No. MsMc detected |
| Range | Average |
| ⑤ Pyeongchang-gang in Pyeongchang-gun, Gangwon-do (2013) |
| *Pungtungia herzi* | 35 | 2 (5.7) | 1-4 | 2.5 |
| *Zacco temminckii* | 34 | 32 (94.1) | 1-29 | 10.2 |
| *Microphysogobio longidorsalis* | 22 | 11 (50.0) | 1-20 | 5.1 |
| *Pseudogobio esocinus* | 21 | 19 (90.5) | 1-30 | 7.8 |
| *Zacco platypus* | 20 | 20 (100) | 1-53 | 13.1 |
| *Coreoleuciscucus splendidus* | 17 | 15 (88.2) | 1-63 | 14.2 |
| *Hemibarbus longirostris* | 17 | 16 (94.1) | 1-145 | 16.8 |
| *Rhynchocypris oxycephalus* | 10 | 6 (60.0) | 1-3 | 1.5 |
| *Gobiobotia brevibarba* | 8 | 7 (87.5) | 1-9 | 4.6 |
| *Pseudopungtungia tenuicorpa* | 5 | 1 (20.0) | - | 1.0 |
| *Hemibarbus mylodon* | 5 | 1 (20.0) | - | 1.0 |
| *Ladislabia taczanowskii* | 4 | 2 (50.0) | 2-3 | 2.5 |
| Subtotal | 198 | 132 (66.7) | 1-145 | 10.0 |
| ⑥ Joyang-gang in Jeongseon-gun, Gangwon-do (2012) |
| *Zacco temminckii* | 39 | 38 (97.4) | 10-403 | 130.0 |
| *Coreoleuciscucus splendidus* | 25 | 25 (100) | 1-71 | 17.0 |
| *Microphysogobio longidorsalis* | 24 | 20 (83.3) | 1-42 | 9.3 |
| *Pungtungia herzi* | 24 | 10 (41.7) | 1-9 | 2.3 |
| *Zacco platypus* | 20 | 20 (100) | 5-169 | 66.7 |
| *Liobagrus andersoni* | 18 | 3 (16.7) | 1-3 | 1.7 |
| *Coreoperca herzi* | 17 | 1 (5.9) | - | 1.0 |
| *Pseudopungtungia tenuicorpa* | 2 | 2 (100) | - | 1.0 |
| *Hemibarbus mylodon* | 1 | 1 (100) | - | 2.0 |
| *Hemibarbus labeo* | 1 | 1 (100) | - | 320.0 |
| *Gobiobotia brevibarba* | 1 | 1 (100) | - | 95.0 |
| Subtotal | 172 | 122 (70.9) | 1-403 | 60.1 |
| ⑦ Seom-gang in Hoengseong-gun, Gangwon-do (2011) |
| *Zacco platypus* | 23 | 23 (100) | 3-122 | 28.8 |
| *Hemibarbus longirostris* | 20 | 19 (95.0) | 1-214 | 69.3 |
| *Pungtungia herzi* | 14 | 2 (14.3) | - | 1.0 |
| *Pseudogobio esocinus* | 13 | 12 (92.3) | 1-19 | 8.5 |
| *Gobiobotia brevibarba* | 10 | 6 (60.0) | 1-12 | 3.8 |
| *Zacco temminckii* | 5 | 1 (20.0) | - | 4.0 |
| *Opsariichthys uncirostris* *amurensis* | 5 | 5 (100) | 5-75 | 23.2 |
| *Acheilognathus lanceolatus* | 3 | 1 (33.3) | - | 3.0 |
| Subtotal | 93 | 69 (74.2) | 1-214 | 32.3 |
| ⑧ Seom-gang in Wonju-si, Gangwon-do (2018~2020) |
| *Pungtungia herzi* | 121 | 8 (6.6) | 1-4 | 1.4 |
| *Zacco platypus* | 85 | 82 (96.5) | 1-374 | 64.0 |
| *Zacco koreanus* | 63 | 61 (96.8) | 1-237 | 25.6 |
| *Acheilognathus lanceolatus* | 59 | 6 (10.2) | 1-12 | 3.2 |
| *Pseudogobio esocinus* | 49 | 37 (75.5) | 1-28 | 5.8 |
| *Carassius auratus* | 49 | 2 (4.1) | - | 1.0 |
| *Hemibarbus longirostris* | 39 | 27 (69.2) | 1-98 | 9.6 |
| *Microphysogobio longidorsalis* | 35 | 1 (2.9) | - | 4.0 |
| *Gnathopogon strigatus* | 26 | 25 (96.2) | 1-70 | 12.3 |
| *Rhynchocypris oxycephalus* | 23 | 8 (34.8) | 1-2 | 1.3 |
| *Microphysogobio yaluensis* | 22 | 3 (13.6) | 1-2 | 1.3 |
| *Coreoleuciscus splendidus* | 22 | 4 (18.2) | - | 1.0 |
| *Hemibarbus labeo* | 18 | 11 (61.1) | 1-130 | 18.6 |
| *Coreoperca herzi* | 18 | 3 (16.7) | - | 1.0 |
| *Odontobutis platycephala* | 12 | 3 (25.0) | 1-3 | 2.0 |
| *Odontobutis obscurus* *interrupta* | 8 | 6 (75.0) | - | 1.0 |
| *Squalidus gracilis majimae* | 7 | 2 (28.6) | - | 1.0 |
| *Sarcocheilichthys variegatus* | 6 | 2 (33.3) | 2-3 | 2.5 |
| *Acanthorhodeus gracilis* | 4 | 4 (100) | 1-15 | 7.0 |
| *Misgurnus anguillicaudatus* | 4 | 1 (25.0) | - | 2.0 |
| *Pseudorasbora parva* | 2 | 1 (50.0) | - | 6.0 |
| *Opsariichthys uncirostris* | 1 | 1 (100) | - | 260.0 |
| Subtotal | 673 | 298 (44.3) | 1-374 | 27.4 |
| ⑨ Dal-cheon in Goesan-gun, Chungcheongbuk-do (2011) |
| *Pungtungia herzi* | 16 | 2 (12.5) | - | 1.0 |
| *Zacco platypus* | 15 | 15 (100) | 23-285 | 125.9 |
| *Zacco temminckii* | 15 | 12 (80.0) | 1-329 | 44.3 |
| *Sarcocheilichthys variegatus* | 7 | 2 (28.6) | - | 1.0 |
| *Hemibarbus longirostris* | 5 | 5 (100) | 12-157 | 57.4 |
| *Hemibarbus labeo* | 3 | 2 (66.7) | 1-3 | 2.0 |
| *Opsariichthys uncirostris* *amurensis* | 1 | 1 (100) | - | 380.0 |
| Subtotal | 62 | 39 (62.9) | 1-329 | 79.4 |
| Total | 1,173 | 660 (56.3) | 1-403 | 33.6 |

Uninfected fish species (No. of fish examined): ⑤ *K. rotundicaudata* (15), *L. andersoni* (15) and *C. herzi* (2); ⑥ *P. koreanus* (15), *K. rotundicaudata* (7), *P. esocinus* (1) and *I. koreensis* (1); ⑦ *C. auratus* (15), *C. poecilopus* (15), *R. oxycephalus* (15), *C. herzi* (15), *C. splendidus* (6), *R. steindachneri* (6), *P. koreanus* (6), *K. rotundicaudata* (6), *L. andersoni* (3), *M. longidorsalis* (2), *O. platycephala* (1) and *I. koreensis* (1); ⑧ *I. koreensis* (13), *R. pseudosericeus* (10), *P. koreanus* (3), *C. carpio* (2), *K. rotundicaudata* (2), *L. andersoni* (2), *O. nudus* (1) and *M. mizolepis* (1); ⑨ *M. longidorsalis* (15), *A. rhombeus* (11), *C. splendidus* (8), *C. auratus* (2),