**Supplementary Table S11.** Infection status of *Metagonimus* spp.metacercariae (MsMc) in fish from the water systems of Nakdong-gang in Gyeongsangbuk-do, Korea

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Locality (Year) and fish sp. | No. fish examined | No. (%) fish infected | No. MsMc detected | |
| Range | Average |
| ㉟-1 Wi-cheon in Gunwi-gun (2011, 2013, 2014) | | | | |
| *Zacco platypus* | 129 | 71 (55.0) | 1-20 | 4.4 |
| *Zacco temminckii* | 75 | 45 (60.0) | 1-16 | 3.8 |
| *Pungtungia herzi* | 72 | 14 (19.4) | 1-9 | 2.9 |
| *Acheilognathus yamatsutae* | 41 | 1 (2.4) | - | 1.0 |
| *Squalidus japonicus coreanus* | 24 | 5 (20.8) | 1-5 | 2.2 |
| *Sarcocheilichthys variegatus* | 19 | 2 (10.5) | 3-7 | 5.0 |
| *Carassius auratus* | 17 | 3 (17.6) | 1-6 | 2.7 |
| *Acheilognathus rhombeus* | 11 | 2 (18.2) | 1-2 | 1.5 |
| *Odontobutis platycephala* | 4 | 1 (25.0) | - | 1.0 |
| *Lepomis macrochirus* | 5 | 1 (20.0) | - | 1.0 |
| *Abbottina springeri* | 2 | 1 (50.0) | - | 1.0 |
| Subtotal | 399 | 146 (36.6) | 1-20 | 3.8 |
| ㉟-2. Wi-cheon in Gunwi-gun (2015~2017) | | | | |
| *Zacco platypus* | 163 | 115 (70.6) | 1-17 | 3.2 |
| *Pungtungia herzi* | 105 | 22 (21.0) | 1-4 | 1.6 |
| *Acheilognathus yamatsutae* | 72 | 3 (4.2) | 1-2 | 1.3 |
| *Zacco temminckii* | 62 | 38 (61.3) | 1-39 | 3.4 |
| *Squalidus japonicus coreanus* | 55 | 2 (3.6) | - | 1.0 |
| *Acheilognathus rhombeus* | 24 | 7 (29.2) | 1-5 | 2.4 |
| *Carassius auratus* | 18 | 9 (50.0) | 1-50 | 11.7 |
| *Zacco koreanus* | 18 | 14 (77.8) | 1-34 | 7.1 |
| *Squalidus gracilis majimae* | 13 | 3 (23.1) | 1-3 | 1.7 |
| *Acheilognathus majusculus* | 8 | 1 (12.5) | - | 1.0 |
| *Pseudorasbora parva* | 8 | 2 (25.0) | 1-3 | 2.0 |
| *Acanthorhodeus gracilis* | 5 | 1 (20.0) | - | 1.0 |
| *Opsariichthys amurensis* | 4 | 4 (100) | 1-6 | 4.3 |
| *Acheilognathus lanceolatus* | 4 | 1 (25.0) | *-* | 3.0 |
| *Sarcocheilichthys nigripinis* | 3 | 1 (33.3) | *-* | 2.0 |
| *Microphysogobio koreensis* | 2 | 1 (50.0) | *-* | 1.0 |
| *Pseudobagrus fulvidraco* | 1 | 1 (100) | *-* | 1.0 |
| *Rhynchocypris oxycephalus* | 1 | 1 (100) | *-* | 77.0 |
| Subtotal | 566 | 226 (39.9) | 1-50 | 3.9 |
| ㉟-3. Wi-cheon in Gunwi-gun (2018~2020) | | | | |
| *Zacco platypus* | 123 | 39 (31.7) | 1-12 | 2.4 |
| *Pungtungia herzi* | 105 | 3 (2.9) | - | 1.0 |
| *Zacco koreanus* | 104 | 44 (42.3) | 1-17 | 3.3 |
| *Acheilognathus rhombeus* | 77 | 10 (13.0) | 1-4 | 1.6 |
| *Acheilognathus koreensis* | 67 | 1 (1.5) | - | 1.0 |
| *Carassius auratus* | 60 | 46 (76.7) | 1-154 | 29.0 |
| *Squalidus chankaensis* | 46 | 3 (6.5) | 1-2 | 1.7 |
| *Squalidus japonicus coreanus* | 43 | 1 (2.3) | - | 1.0 |
| *Odontobutis platycephala* | 31 | 2 (6.5) | - | 1.0 |
| *Coreoperca herzi* | 17 | 1 (5.9) | - | 1.0 |
| *Sarcocheilichthys variegatus* | 11 | 2 (18.2) | - | 1.0 |
| *Squalidus gracilis majimae* | 10 | 3 (30.0) | - | 1.0 |
| *Hemibarbus longirostris* | 8 | 1 (12.5) | - | 1.0 |
| *Rhynchocypris oxycephalus* | 4 | 4 (100) | 60-2,370 | 746.5 |
| *Rhodeus pseudosericeus* | 1 | 1 (100) | - | 1.0 |
| *Channa argus* | 1 | 1 (100) | - | 2.0 |
| Subtotal | 708 | 162 (22.9) | 1-2,370 | 28.4 |
| Total | 1,673 | 534 (31.9) | 1-2,370 | 11.3 |

Uninfected fish species (No. of fish examined): ㉟-1.*A. koreensis* (40), *S. gracilis majimae* (30), *A. majusculus* (15), *C. herzi* (12), *C. sinensis* (11*), P. esocinus* (10), *M. salmoides* (8), *M. anguillicaudatus* (6), *Opsariichthys uncirostris* *amurensis* (5), *P. parva* (4), *A. macropterus* (3), *C. lutheri* (3), *A. lanceolatus* (2), *M. koeensis* (1) and *M. jeoni* (1); ㉟-2. *A. koreensis* (110), *C. herzi* (14), *O. platycephala* (7), *P. esocinus* (4), *A. springeri* (4), *M. salmoides* (4), *S. variegatus* (3), *S. scherzeri* (3), *R. ocellatus* (2), *A. macropterus* (1), *H. longirostris* (1), *H. labeo* (1), *C. lutheri* (1), *M. anguillicaudatus* (1) and *L. macrochirus* (1); ㉟-3. *A. yamatsutae* (19), *P. esocinus* (13), *M. salmoides* (11), *M. koreensis* (7), *L. macrochirus* (7), *S. nigripinnis* (4), *P. parva* (4), *A. lanceolatus* (4), *O. uncirostris* (2), *H. labeo* (1), *L. taczanowskii* (1) and *A. gracilis* (1).