**Supplementary Table S12**. Infection status of *Metagonimus* spp.metacercariae (MsMc) in fish from the water systems of Nakdong-gang in Gyeongsangnam-do, Korea

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Locality (Year) and fish sp. | No. fish examined | No. (%) fish infected | No. MsMc detected | |
| Range | Average |
| ㊱-1. Yang-cheon in Sancheong-gun (2011~2014) | | | | |
| *Pungtungia herzi* | 408 | 30 (7.4) | 1-8 | 2.8 |
| *Zacco koreanus* | 134 | 105 (78.4) | 1-160 | 6.0 |
| *Acheilognathus majusculus* | 133 | 2 (1.5) | 1-4 | 2.5 |
| *Zacco platypus* | 125 | 55 (44.0) | 1-10 | 2.9 |
| *Squalidus chankaensis* | 69 | 4 (5.8) | 1-2 | 1.3 |
| *Squalidus japonicus coreanus* | 67 | 15 (22.4) | 1-4 | 1.7 |
| *Hemibarbus longirostris* | 66 | 10 (15.2) | 1-4 | 1.9 |
| *Zacco temminckii* | 63 | 44 (69.8) | 1-16 | 3.6 |
| *Coreoperca herzi* | 63 | 3 (4.8) | 1-2 | 1.3 |
| *Acheilognathus koreensis* | 44 | 10 (22.7) | 1-4 | 1.4 |
| *Pseudogobio esocinus* | 40 | 1 (2.5) | - | 1.0 |
| *Carassius auratus* | 22 | 20 (90.9) | 3-197 | 53.2 |
| *Acanthorhodeus macropterus* | 21 | 2 (9.5) | - | 1.0 |
| *Sarcocheilichthys variegatus* | 14 | 3 (21.4) | 1-7 | 3.0 |
| *Sarcocheilichthys nigripinnis* | 13 | 1 (7.7) | - | 1.0 |
| Subtotal | 1,282 | 305 (23.8) | 1-197 | 7.1 |
| ㊱-2. Yang-cheon in Sancheong-gun (2015~2017) | | | | |
| *Pungtungia herzi* | 126 | 35 (27.8) | 1-9 | 3.1 |
| *Zacco platypus* | 110 | 71 (64.5) | 1-30 | 4.3 |
| *Zacco temminckii* | 91 | 55 (60.4) | 1-30 | 3.6 |
| *Acheilognathus majusculus* | 69 | 5 (7.2) | 1-2 | 1.2 |
| *Acheilognathus koreensis* | 52 | 5 (9.6) | 1-3 | 1.6 |
| *Carassius auratus* | 51 | 48 (94.1) | 1-88 | 14.7 |
| *Acheilognathus yamatsutae* | 47 | 5 (10.6) | - | 1.0 |
| *Zacco koreanus* | 40 | 30 (75.0) | 1-10 | 3.1 |
| *Micropterus salmoides* | 37 | 2 (5.4) | - | 1.0 |
| *Hemibarbus longirostris* | 36 | 4 (11.1) | 1-3 | 1.5 |
| *Coreoperca herzi* | 30 | 2 (6.7) | - | 1.0 |
| *Acheilognathus rhombeus* | 27 | 6 (22.2) | 1-2 | 1.7 |
| *Lepomis macrochirus* | 25 | 13 (52.0) | 1-11 | 2.5 |
| *Squalidus japonicus coreanus* | 22 | 10 (45.5) | 1-4 | 1.8 |
| *Acanthorhodeus gracilis* | 21 | 5 (23.8) | 1-2 | 1.4 |
| *Sarcocheilichthys variegatus* | 11 | 2 (18.2) | - | 1.0 |
| *Hemibarbus labeo* | 8 | 1 (12.5) | - | 1.0 |
| *Channa argus* | 6 | 5 (83.3) | 1-9 | 3.0 |
| *Squalidus gracilis majimae* | 3 | 3 (100) | 1-7 | 3.3 |
| *Sarcocheilichthys nigripinnis* | 1 | 1 (100) | - | 1.0 |
| Subtotal | 813 | 308 (37.9) | 1-88 | 5.0 |
| Total | 2,095 | 613 (29.3) | 1-197 | 6.1 |

Uninfected fish species (No. of fish examined): ㊱-1. *O. platycephala* (30), *A. gracilis* (20), *A. yamatsutae* (11), *A. rhombeus* (8), *Liobagrus mediadiposalis* (3), *S. scherzeri* (1), *S. gracilis majimae* (1) and *H. labeo* (1); ㊱-2. *P. esocinus* (21), *O. platycephala* (6) and *A. macropterus* (4).