**Supplementary Table S14.** Infection status of *Metagonimus* spp.metacercariae (MsMc) in fish from the water systems in the eastern coastal regions of Korea

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Locality (Year) and fish sp. | No. fish examined | No. (%) fish infected | No. MsMc detected | |
| Range | Average |
| ㊴ Namdae-cheon in Yangyang-gun, Gangwon-do (2015) | | | | |
| *Zacco temminckii* | 35 | 35 (100) | 1-418 | 45.0 |
| *Rhynchocypris oxycephalus* | 25 | 19 (76.0) | 1-15 | 4.5 |
| *Pungtungia herzi* | 16 | 11 (68.8) | 1-5 | 2.2 |
| *Plecoglossus altivelis* | 15 | 15 (100) | 49-6,280 | 1,522 |
| *Tridentiger brevispinis* | 14 | 5 (35.7) | 1-3 | 1.4 |
| *Acanthogobius lactipes* | 10 | 2 (20.0) | 1-5 | 3.0 |
| *Onchorhynchus masou* | 6 | 6 (100) | 51-487 | 200.0 |
| *Zacco platypus* | 3 | 3 (100) | 8-25 | 14.3 |
| *Tribolodon hakonensis* | 2 | 2 (100) | 83-407 | 245.0 |
| *Hemibarbus longirostris* | 1 | 1 (100) | - | 13.0 |
| *Cottus hangiongensis* | 1 | 1 (100) | - | 1.0 |
| Subtotal | 128 | 100 (78.1) | 1-6,280 | 263.0 |
| ㊵ Osip-cheon in Samcheok-si, Gangwon-do (2015) | | | | |
| *Rhynchocypris oxycephalus* | 33 | 26 (78.8) | 1-38 | 5.9 |
| *Coreoleuciscus splendidus* | 20 | 3 (15.0) | 1-5 | 2.3 |
| *Gymnogobius urotaenia* | 20 | 1 (5.0) | - | 1.0 |
| *Zacco platypus* | 15 | 13 (86.7) | 1-108 | 13.8 |
| *Tribolodon hakonensis* | 9 | 9 (100) | 7-45 | 26.0 |
| *Onchorhynchus masou* | 8 | 8 (100) | 65-638 | 253.0 |
| *Plecoglossus altivelis* | 3 | 2 (66.7) | 14-21 | 17.5 |
| *Ladislabia taczanowskii* | 3 | 1 (33.3) | - | 1.0 |
| Subtotal | 111 | 63 (56.8) | 1-638 | 41.8 |
| ㊶ Wangpi-cheon in Uljin-gun, Gyeongsangbuk-do (2015) | | | | |
| *Plecoglossus altivelis* | 59 | 59 (100) | 2-6,199 | 939.0 |
| *Pungtungia herzi* | 47 | 45 (95.7) | 1-50 | 11.4 |
| *Carassius auratus* | 33 | 12 (36.4) | 1-57 | 8.8 |
| *Zacco platypus* | 30 | 22 (73.3) | 1-12 | 3.8 |
| *Tribolodon hakonensis* | 16 | 16 (100) | 2-617 | 115.0 |
| *Zacco temminckii* | 15 | 14 (93.3) | 1-28 | 6.5 |
| *Hemibarbus longirostris* | 11 | 11 (100) | 1-188 | 43.7 |
| *Pseudogobio esocinus* | 9 | 9 (100) | 5-203 | 88.1 |
| *Squalidus gracilis majimae* | *6* | 5 (83.3) | 1-6 | 3.2 |
| Subtotal | 226 | 193 (85.4) | 1-6,199 | 307.0 |
| ㊷ Osipcheon in Yeongdeok-gun, Gyeongsangbuk-do (2015, 2018) | | | | |
| *Plecoglossus altivelis* | 73 | 65 (89.0) | 1-597 | 63.0 |
| *Zacco platypus* | 56 | 49 (87.5) | 1-54 | 9.0 |
| *Pungtungia herzi* | 43 | 3 (7.0) | 1-5 | 2.7 |
| *Carassius auratus* | 18 | 2 (11.1) | - | 1.0 |
| *Squalidus gracilis majimae* | 15 | 2 (13.3) | 1-2 | 1.5 |
| *Tribolodon hakonensis* | 14 | 10 (71.4) | 1-10 | 4.1 |
| *Zacco koreanus* | 11 | 7 (63.6) | 1-27 | 11.0 |
| *Mugil cephalus* | 9 | 1 (11.1) | - | 1.0 |
| *Opsariichthys uncirostris* | 6 | 6 (100) | 8-67 | 40.3 |
| *Lepomis macrochirus* | 1 | 1 (100) | - | 1.0 |
| Subtotal | 246 | 146 (59.3) | 1-597 | 33.6 |
| ㊸ Gigye-cheon in Gyeongju-si, Gyeongsangbuk-do (2015) | | | | |
| *Zacco temminckii* | 33 | 19 (57.6) | 1-12 | 2.4 |
| *Odontobutis platycephala* | 21 | 5 (23.8) | 1-8 | 2.8 |
| *Pungtungia herzi* | 18 | 8 (44.4) | 1-7 | 3.8 |
| *Carassius auratus* | 17 | 9 (52.9) | 1-34 | 6.2 |
| *Zacco platypus* | 8 | 5 (62.5) | 1-8 | 2.4 |
| *Opsariichthys uncirostris* | 3 | 2 (66.7) | - | 4.0 |
| *Acanthorhodeus macropterus* | 3 | 2 (66.7) | 1-3 | 2.0 |
| Subtotal | 103 | 50 (48.5) | 1-34 | 3.4 |
| ㊹ Cheokgwa-cheon and Taehwa-gang in Ulsan Metropilitan City (2015) | | | | |
| *Zacco temminckii* | 51 | 32 (62.7) | 1-16 | 3.8 |
| *Pungtungia herzi* | 48 | 1 (2.1) | - | 1.0 |
| *Carassius auratus* | 33 | 1 (3.0) | - | 2.0 |
| *Zacco platypus* | 29 | 10 (34.5) | 1-8 | 1.9 |
| *Rhynchocypris oxycephalus* | 21 | 20 (95.2) | 1-1,137 | 266.0 |
| *Mugil cephalus* | 20 | 1 (5.0) | - | 1.0 |
| *Acheilognathus rhombeus* | 20 | 10 (50.0) | 1-10 | 2.8 |
| *Acanthorhodeus gracilis* | 17 | 7 (41.2) | 1-3 | 1.6 |
| *Plecoglossus altivelis* | 16 | 16 (100) | 50-1,920 | 331.1 |
| Subtotal | 255 | 98 (38.4) | 1-1,920 | 110.2 |
| Total | 1,069 | 650 (60.8) | 1-6,280 | 160.2 |

Uninfected fish species (No. of fish examined): ㊴ *G. castaneus* (10) and *C. auratus* (2); ㊵ *C. hangiongensis* (12), *G. castaneus* (7), *P. herzi* (6), *S. gracilis majimae* (3), *T. brevispinis* (2), *P. phoxinus* (1) and *O. platycephala* (1); ㊶ *M. cephalus* (9), *T. brevispinis* (2), *C. herzi* (1) and *A. flavimanus* (1); ㊷ *A. rhombeus* (10), *C. herzi* (10), *O. platycephala* (8), *C. splendidus* (4), *R. oxycephalus* (2), *A. flavimanus* (2) and *T. brevispinis* (1); ㊸ *M. anguillicaudatus* (2), *S. nigripinnis* (2), *C. capio* (2), *R. oxycephalus* (1) and *P. altivelis* (1); ㊹ *M. salmoides* (11), *O. uncirostris* *amurensis* (10), *O. platycephala* (9), *C. herzi* (6), *H. labeo* (5), *L. macrochirus* (2), *S. gracilis majimae* (1) and *A. flavimanus* (1).