

**Supplementary Table S3.** Infection status of DsMc in fish<sup>a</sup> from the water systems of Geum-gang

| Positive fish species               | No. of fish examined | No. (%) of fish infected | No. of DsMc detected |         |
|-------------------------------------|----------------------|--------------------------|----------------------|---------|
|                                     |                      |                          | Range                | Average |
| <i>Pseudogobio esocinus</i>         | 116                  | 63 (54.3)                | 1-17                 | 5.1     |
| <i>Hemibarbus longirostris</i>      | 112                  | 5 (4.0)                  | 1-2                  | 1.2     |
| <i>Zacco platypus</i>               | 101                  | 80 (79.2)                | 1-22                 | 4.9     |
| <i>Acheilognathus lanceolatus</i>   | 72                   | 38 (52.8)                | 1-28                 | 4.8     |
| <i>Nipponocypris temminckii</i>     | 62                   | 30 (48.4)                | 1-8                  | 3.0     |
| <i>Carassius auratus</i>            | 50                   | 4 (8.0)                  | 1-6                  | 2.3     |
| <i>Odontobutis platycephala</i>     | 34                   | 3 (8.8)                  | -                    | 1.0     |
| <i>Acheilognathus yamatsutae</i>    | 31                   | 21 (67.7)                | 1-16                 | 3.9     |
| <i>Opsariichthys uncirostris</i>    | 29                   | 3 (25.0)                 | -                    | 1.0     |
| <i>Acheilognathus majusculus</i>    | 10                   | 9 (90.0)                 | 1-2                  | 1.3     |
| <i>Squalidus japonicus coreanus</i> | 10                   | 5 (50.0)                 | 3-7                  | 4.4     |
| <i>Lepomis macrochirus</i>          | 10                   | 1 (10.0)                 | -                    | 2.0     |
| <i>Hemibarbus labeo</i>             | 8                    | 1 (12.5)                 | -                    | 2.0     |
| <i>Hemiculter eigenmanni</i>        | 6                    | 3 (50.0)                 | 1-3                  | 1.7     |
| <i>Squalidus gracilis majimae</i>   | 2                    | 1 (50.0)                 | -                    | 14.0    |
| <i>Pseudobagrus koreanus</i>        | 1                    | 1 (100)                  | -                    | 1.0     |
| Total                               | 654 <sup>b</sup>     | 268 (41.0)               | 1-28                 | 4.3     |

DsMc, *Diplostomum* spp. metacercariae.

<sup>a</sup>A total of 830 fish in 32 species from Geum-gang (36.11427; 127.58775) in Geumsan-gun (386 fish of 22 spp. 2013~2015) Yugu-cheon (36.53727; 126.94847) in Gongju-si (311 fish of 14 spp. in 2013, 2015) Ji-cheon (36.38958; 126.85174) in Chungryang-gun (89 fish of 13 spp. in 2014), and Nonsan-cheon (36.19906; 127.06790) in Nonsan-si (44 fish of 11 spp. in 2013), Chungcheongnam-do were examined respectively; <sup>b</sup>A total of 176 fish in 16 spp. were DsMc negative.