**Table S1.** Seasonal and yearly prevalence of multiple infections of trematode in *B. s. goniomphalos* in Sakon Nakhon Province, Thailand. Data shown are number and percent positive snails.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Types of cercariae** | **2010** | | | **2011** | | | **2012** | | | **2013** | | |
| **Number of infections (%)** | | | **Number of infections (%)** | | | **Number of infections (%)** | | | **Number of infections (%)** | | |
| **Hot-dry**  (N=7,839) | **Rainy**  (N=4,989) | **Cool-dry**  (N=2,277) | **Hot-dry**  (N=4,766) | **Rainy**  (N=7,852) | **Cool-dry**  (N=3,270) | **Hot-dry**  (N=4,268) | **Rainy**  (N=5,607) | **Cool-dry**  (N=6,125) | **Hot-dry**  (N=2,489) | **Rainy**  (N=4,825) | **Cool-dry**  (N=2,349) |
| 1. Virgulate 1+ Virgulate 2  2. Virgulate 1+ Virgulate 3  3. Virgulate 1+ *O. viverrini* cercariae  4. Virgulate 1+ Cystophorous cercariae 1  5. Virgulate 1+ Monostome  6. Virgulate 1+ Furcocercous cercariae 1  7. Virgulate 1+ Longifurcate-pharyngeate cercariae 1  8. Virgulate 1+ Mutabile  9. Virgulate 1+ Echinostome cercariae 1  10. Virgulate 1+ Amphistome  11. Virgulate 2+ Cystophorous cercariae 1  12. Virgulate 2+Furcocercous cercariae 1  13. Virgulate 2+ Mutabile  14. Virgulate 3+ Monostome  15. Virgulate 3+Furcocercous cercariae 1  16. Virgulate 3+ Longifurcate-pharyngeate cercariae 1  17. Echinostome cercariae 1+ Echinostome cercariae 2 | -  -  -  -  -  -  -  1 (0.01)  -  -  -  -  -  -  -  -  - | -  -  -  -  -  2 (0.04)  -  -  -  -  -  2 (0.04)  -  -  -  -  - | -  -  -  -  -  -  -  -  -  -  -  -  -  -  1 (0.04)  1 (0.04)  - | -  2 (0.04)  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - | -  2 (0.03)  -  -  -  -  -  -  -  -  1 (0.01)  -  -  -  -  -  - | 1 (0.03)  -  -  3 (0.09)  4 (0.12)  1 (0.03)  1 (0.03)  1 (0.03)  -  -  -  -  1 (0.03)  -  -  -  - | 1 (0.02)  1 (0.02)  -  -  4 (0.09)  -  -  -  -  -  -  -  -  -  -  -  - | 2 (0.04)  -  -  -  1 (0.02)  -  2 (0.04)  -  -  -  -  -  -  -  -  -  - | 1 (0.02)  -  -  -  17 (0.28)  -  -  -  -  -  -  -  -  2 (0.03)  -  -  - | -  -  6 (0.24)  -  3 (0.12)  -  -  -  -  -  -  -  -  -  -  -  - | -  -  -  -  -  1 (0.02)  1 (0.02)  -  -  -  -  -  -  -  -  -  1 (0.02) | -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - |

**Table S2.** The diversity of trematodes across year and season.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Year and season** | **2010** | | | **2011** | | | **2012** | | | **2013** | | |
| **Hot-dry** | **Rainy** | **Cool-dry** | **Hot-dry** | **Rainy** | **Cool-dry** | **Hot-dry** | **Rainy** | **Cool-dry** | **Hot-dry** | **Rainy** | **Cool-dry** |
| Total number of snails collected  Species richness  Abundance  Shannon diversity index  Species evenness | 7,839  8  0.018  1.610  0.774 | 4,989  11  0.042  1.630  0.680 | 2,277  13  0.159  1.980  0.772 | 4,766  11  0.071  1.530  0.638 | 7,852  13  0.042  1.800  0.702 | 3,270  16  0.399  1.491  0.538 | 4,268  14  0.089  1.020  0.387 | 5,607  12  0.104  1.030  0.415 | 6,125  10  0.222  1.100  0.478 | 2,489  13  0.164  1.570  0.612 | 4,825  11  0.104  1.180  0.492 | 2,349  10  0.063  1.450  0.630 |