**Supplementary Material**

**Table S1.** Molluscs (M), fish (F) and other wildlife present in Sabah that can act as intermediate hosts for the most common intestinal trematodes in Southeast Asia.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Trematode species** | **Intermediate hosts** | **Records in Sabah** | **Definitive host** | **Human infection** |
| Heterophyidae |  |  |  |  |
| *Haplorchis pumilio* | *Melania reiniana* var. *hitachiens* (M)1  *Barbonymus gonionotus* (F)2  *Cyclocheilichthys repasson* (F)3-7  *Hampala macrolepidota* (F)4-5  *Osteochilus waandersii* (F)3-5,8  *Rasbora* sp. (F)3 | Not reported  Widely used in aquaculture  Lahad Datu, Kinabatangan, Tongod, Tawau, Danum valley, Lower Segama, Kuamur  Kinabatangan, Lahad Datu  Kinabatangan, Lahad Datu, Tongod, Danum valley, Lower Segama, Kuamur  Danum Valley | Dogs, cats, Asian water monitor lizard, South Asian bockadam9 | Not reported in Malaysia |
| *Haplorchis taichui* | *Melania* spp. (M)1  *Melanoides tuberculata* (M)1  *Cyprinus* spp. (F)1  *Gambudia affinis* (F)1  *Hampala dispar* (F)1  *Puntius* spp. (F)1  *Rhodeus ocellaturs* (F)1  *Henichoryhnchus siamensis* (F)1 | Not reported  Labuan. Widely-distributed throughout the State and on offshore islands, including Tenom, Kota Kinabalu, Pulau Gaya, Pulau Tiga, Tuaran, Kota Belud, Tawau, and Pulau Bohey Dulang and Pulau Bodgaya, off Semporna. Recorded from rivers, paddy fields, and concrete drains10  Not reported  Not reported  Not reported  Not reported  Not reported  Not reported | Dogs, cats, birds11 | Not reported in Malaysia |
| *Haplorchis yokogawai* | *Stenomelania newcombi* (M)1  *Melanoides tuberculata* (M)1  *Cyclocheilichthys armatus* (F)1  *Hampala dispar* (F)1  *Misgurnus* sp. (F)1  *Mugil* spp. (F)1  *Puntius* spp. (F)1 | Not reported  Labuan. Widely-distributed throughout the State and on offshore islands, including Tenom, Kota Kinabalu, Pulau Gaya, Pulau Tiga, Tuaran, Kota Belud, Tawau, and Pulau Bohey Dulang and Pulau Bodgaya, off Semporna. Recorded from rivers, paddy fields, and concrete drains10  Not reported  Not reported  Not reported  Not reported  Not reported | Dogs, cats, cattle, other mammals11 | Not reported in Malaysia |
| Echinostomatidae |  |  |  |  |
| *Artyfechinostomum malayanum* | *Indoplanorbis exustus* (M)12  *Lymnaea luteola* (M)12  *Gyraulus convexiusculus* (M)13  *Pila scutata* (M)1,13  *Lymnaea* (*Bullastra*) *cumingiana* (M)1,13  *Digoniostoma pulchella* (M)1,13 | Collected from rivers in Tawau and Tuaran10  Not reported  Not reported  Lower Kinabatangan10  Not reported  Not reported | Pigs, dogs, rats13 | First described in Malaysia under the name *Echinostoma malayanum*14 |
| *Echinostoma ilocanum* | *Gyraulus*spp. (M)13,15  *Hippeutis* spp. (M) 13,15  *Pila scutata* (M)16  *Pila conica* (M)13,15  *Viviparus javanicus* (M)13,15 | Not reported  Not reported  Not reported  Lower Kinabatangan  Not reported | Rodents, dogs15 | Reported in Malaysia16 |
| *Echinostoma lindoense* | *Lymnaea* spp. (M)17  *Planorbis* spp. (M)17  *Gyraulus* spp. (M)17  *Biomphalaria* spp. (M)17  *Viviparus* spp. (M)17 | Not reported  Not reported  Not reported  Not reported  Not reported | Rodents, mammals18 | Reported in Malaysia16 |
| *Echinostoma revolutum* | *Lymnaea* sp. (M)15  *Physa* sp.(M)15  *Paludina* sp. (M)15  *Segmentina* sp. (M)15  *Heliosoma* sp. (M)15 | Not reported  Not reported  Not reported  Not reported  Not reported | Ducks, geese, rodents, muskrats, dogs, cats1,11,18 | Reported in Malaysia16 |

1Chai et al. 2009, *Korean J Parasitol*; 2Kamal & Tan 2020, *Sepilok Bulletin*; 3Martin-Smith & Tan 1998, *Raffles Bull Zool*; 4Inger & Chin 2002, *Fieldiana Zool*; 5Kottelat 2013, *Zootaxa*; 6Tan 2013, SAFE Project - Sabah: Kalabakan; 7Wilkinson & Hui 2018, *Raffles Bull Zool*; 8Ahmad et al. 2006, *Sustain Sci*; 9Fischthal & Kuntz 1965, *Proc Helminthol Soc Wash*; 10Ng et al. 2017, *ZooKeys*, 11Yamaguti 1958, Systema Helminthum; 12Raghunathan & Srinivasan 1962, J Indian Med Assoc; 13Yu & Mott 1994, *Epidemiology and morbidity of food-borne intestinal trematode infections*; 14Leiper 1911, *J Lond School Trop Med*; 15Beaver et al. 1984, Clinical Parasitology; 16Bonne et al. 1953, *Am J Dig Dis*; 17Fried et al. 2004, *Parasitol Res*; 18Chai et al. 2013, *Korean J Parasitol*.