S1 Table. Species used for comparison of genome parameters and genomic comparative analysis.

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| **Species name** | **Category** | **URLs** |
| *Schistosoma japonicum v1* | Trematoda | https://parasite.wormbase.org/Schistosoma\_japonicum\_prjea34885/Info/Index/ |
| *Schistosoma mansoni* | Trematoda | https://parasite.wormbase.org/Schistosoma\_mansoni\_prjea36577/Info/Index/ |
| *Schistosoma haematobium* | Trematoda | https://parasite.wormbase.org/Schistosoma\_haematobium\_prjna78265/Info/Index/ |
| *Opisthorchis viverrini* | Trematoda | https://parasite.wormbase.org/Opisthorchis\_viverrini\_prjna222628/Info/Index/ |
| *Clonorchis sinensis* | Trematoda | https://parasite.wormbase.org/Clonorchis\_sinensis\_prjda72781/Info/Index/ |
| *Fasciola hepatica* | Trematoda | https://parasite.wormbase.org/Fasciola\_hepatica\_prjeb25283/Info/Index/ |
| *Hymenolepis microstoma* | Cestoda | https://parasite.wormbase.org/Hymenolepis\_microstoma\_prjeb124/Info/Index/ |