**SUPPLEMENTARY DATA 2**

**ARTICLE TITLE**: **Morphological characterisation and molecular phylogeny of zoonotic trematodes in the freshwater snail *Asolene platae***

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**Supplementary Tables 3-7.** Percentage Identity Matrices (Clustal 2.1).

**Table 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **Identity of 28S rRNA trematode sequences from *A. platae*** | | | |
|  | Echinocercariae released from *Asolene platae* isolate 1 (MH532427) | Echinocercariae released from *Asolene platae* isolate 3 (MH532429) | Echinocercariae released from *Asolene platae* isolate 2 (MH532428) | |
| Echinocercariae released from *Asolene platae* isolate 1 (MH532427) | **100.00** | **-** | **-** | |
| Echinocercariae released from *Asolene platae* isolate 3 (MH532429) | **100.00** | **100.00** | **-** | |
| Echinocercariae released from *Asolene platae* isolate 2 (MH532428) | **96.70** | **96.70** | **100.00** | |

**Table 4**

|  |  |  |
| --- | --- | --- |
| **Identity of 28S rRNA trematode sequences from *A. platae*** | | |
|  | Xiphidiocercariae released from *Asolene platae* (MH532430) | Trematode of *Asolene platae* digestive gland (MH532431) |
| Xiphidiocercariae released from *Asolene platae* isolate 1 (MH532430) | **100.00** | **-** |
| Trematode of *Asolene platae* digestive gland isolate 2 (MH532431) | **100.00** | **100.00** |

**Table 5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identity of ITS1 trematode sequences from *A. platae*** | | | | |
|  | Echinocercariae released from *Asolene platae* isolate 1 (MH532421) | Echinocercariae released from *Asolene platae* isolate 3 (MH532423) | Echinocercariae released from *Asolene platae* isolate 2 (MH532422) | Trematode of *Asolene platae* digestive gland isolate 4 (MH532424) |
| Echinocercariae released from *Asolene platae* isolate 1 (MH532421) | **100.00** | **-** | **-** | **-** |
| Echinocercariae released from *Asolene platae* isolate 3 (MH532423) | **100.00** | **100.00** | **-** | **-** |
| Echinocercariae released from *Asolene platae* isolate 2 (MH532422) | **94.35** | **94.35** | **100.00** | **-** |
| Trematode of *Asolene platae* digestive gland isolate 4 (MH532424) | **94.35** | **94.35** | **100.00** | **100.00** |

**Table 6**

|  |  |  |
| --- | --- | --- |
| **Identity of ITS1 trematode sequences from *A. platae*** | | |
|  | Xiphidiocercariae released from *Asolene platae* isolate 1 (MH532425) | Trematode of *Asolene platae* digestive gland isolate 2 (MH532426) |
| Xiphidiocercariae released from *Asolene platae* isolate 1 (MH532425) | **100.00** | **-** |
| Trematode of *Asolene platae* digestive gland isolate 2 (MH532426) | **100.00** | **100.00** |

**Table 7**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identity of mtCOXI trematode sequences from *A. platae*** | | | | |
|  | Echinocercariae released from *Asolene platae* isolate 1 (MH532417) | Echinocercariae released from *Asolene platae* isolate 3 (MH532419) | Echinocercariae released from *Asolene platae* isolate 2 (MH532418) | Trematode of *Asolene platae* digestive gland isolate 4 (MH532420) |
| Echinocercariae released from *Asolene platae* isolate 1 (MH532417) | **100.00** | **-** | **-** | **-** |
| Echinocercariae released from *Asolene platae* isolate 3 (MH532419) | **99.20** | **100.00** | **-** | **-** |
| Echinocercariae released from *Asolene platae* isolate 2 (MH532418) | **89.42** | **89.26** | **100.00** |  |
| Trematode of *Asolene platae* digestive gland isolate 4 (MH532420) | **89.90** | **89.74** | **99.04** | **100.00** |