

**Table S1.** List of analysed taxa for 28S and ITS1 + 5.8S + ITS with their GenBank accession numbers (new sequences in bold fonts).

<b>Taxa</b>	<b>28S</b>	<b>ITS1</b>	<b>5.8S</b>	<b>ITS2</b>
<i>Acanthostomum cf. americanum 1m</i>	<b>MG383499</b>	<b>MG383512</b>	<b>MG383512</b>	<b>MG383512</b>
<i>Acanthostomum cf. americanum 2m</i>	<b>MG383500</b>	<b>MG383513</b>	<b>MG383513</b>	<b>MG383513</b>
<i>Acanthostomum cf. americanum 3m</i>	<b>MG383501</b>	<b>MG383514</b>	<b>MG383514</b>	<b>MG383514</b>
<i>Acanthostomum cf. americanum 1c</i>	<b>MG383496</b>	<b>MG383509</b>	<b>MG383509</b>	<b>MG383509</b>
<i>Acanthostomum cf. americanum 2c</i>	<b>MG383497</b>	<b>MG383510</b>	<b>MG383510</b>	<b>MG383510</b>
<i>Acanthostomum cf. americanum 3c</i>	<b>MG383498</b>	<b>MG383511</b>	<b>MG383511</b>	<b>MG383511</b>
<i>Acanthostomum burminis</i>	KM226898	-	-	-
<i>Acanthostomum burminis</i>	KC489791	-	-	-
<i>Acanthostomum burminis</i>	KC489792	-	-	-
<i>Adlardia novaecaledoniae</i>	FJ554632	-	-	-
<i>Amphimerus ovalis</i>	AY116876	-	-	-
<i>Aphalloides coelomicola</i>	KJ162159	-	-	-
<i>Ascocotyle pindoramensis</i>	KJ094561	KJ094560	-	-
<i>Ascocotyle sp.</i>	KU559561	-	KU674957	KU674957
<i>Beluesca littlewoodi</i>	EF566867	EF566870	EF566870	EF566870
<i>Beluesca longicolla</i>	EF566868	EF566871	EF566871	EF566871
<i>Caecincola parvulus</i>	AY222231	-	-	-
<i>Caulanus thomasi</i>	EF428144	EF428141	EF428141	EF428141
<i>Centrocestus formosanus</i>	HQ874609	-	KJ630836	KJ630836
<i>Centrovarium sp.</i>	EF547547	-	-	-
<i>Chelediadema marjoriae</i>	EF566866	EF566869	EF566869	EF566869
<i>Clonorchis sinensis</i>	JF823989	JQ048576	JQ048576	JQ048576
<b><i>Crassicutis cichlasomae</i></b>	<b>MG383508</b>	<b>MG383521</b>	<b>MG383521</b>	<b>MG383521</b>
<i>Cryptocotyle lingua</i>	AY222228	KJ641523	KJ641523	KJ641523
<i>Cryptogonimidae gen</i>	HM056036	HM056034	HM056034	HM056034
<i>Euryakaina manilensis</i>	HM056035	-	-	-
<i>Euryakaina marina</i>	HM056037	-	-	-
<i>Euryhelmis costaricensis</i>	AB521797	AB521797	AB521797	AB521797
<i>Galactosomum lacteum</i>	AY222227	-	-	-
<i>Gynichthys diakidnus</i>	FJ907333	FJ907332	FJ907332	FJ907332
<i>Haplorchis popelkae</i>	EU883584	-	EU883584	EU883584
<i>Haplorchis pumilio</i>	HM004173	AY245706	AY245706	AY245706

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<i>Haplorchis taichui</i>	HM004181	AY245705	AY245705	AY245705
<i>Haplorchis yokogawai</i>	HM004177	-	-	AB517590
<i>Haplorchoides</i> sp.	AY222226	-	-	-
<i>Heterophyes heterophyes</i>	KU559560	-	KU674951	KU674951
<i>Latuterus maldivensis</i>	EF428146	EF428143	EF428143	EF428143
<i>Latuterus tkachi</i>	EF428145	EF428142	EF428142	EF428142
<i>Lobosorchis polygongylus</i>	FJ154902	FJ154900	FJ154900	FJ154900
<i>Lobosorchis tibaldiae</i>	FJ154901	FJ154899	FJ154899	FJ154899
<i>Metadena lutiani</i>	KF417630	KF417627	KF417627	KF417627
<i>Metagonimoides oregonensis</i>	JQ995473	-	-	-
<i>Metagonimus hakubaensis</i>	KM061388	-	KM061397	KM061397
<i>Metagonimus katsuradai</i>	KM061391	-	KM061400	KM061400
<i>Metagonimus miyatai</i>	HQ832633	-	HQ832615	HQ832615
<i>Metagonimus otsurui</i>	KM061396	-	KM061403	KM061403
<i>Metagonimus takahashii</i>	HQ832636	-	HQ832618	HQ832618
<i>Metagonimus yokogawai</i>	HQ832639	KJ631740	KJ631740	KJ631740
<i>Mitotrema anthostomatium</i>	AY222229	-	-	-
<i>Neoparacryptogonimus ovatus</i>	EF116616	-	EF116631	EF116631
<b><i>Oligogonotylus mayae</i></b>	<b>MG383507</b>	<b>MG383520</b>	<b>MG383520</b>	<b>MG383520</b>
<i>Oligogonotylus manteri</i>	EU662169	EU662191	EU662191	EU662191
<i>Opisthorchis noverca</i>	KC295443	-	KC109193	KC109193
<i>Opisthorchis viverrini</i>	JF823990	EU038141	AY584735	AY584735
<i>Procerovum cheni</i>	HM004179	-	HM004164	HM004164
<i>Procerovum varium</i>	KM226894	-	HM004167	HM004167
<i>Pygidiopsis macrostomum</i>	KT877409	-	KT877410	KT877410
<i>Retrovarium amplorificium</i>	EF116609	EF116623	EF116635	EF116635
<i>Retrovarium brooksi</i>	EF116605	EF116629	EF116641	EF116641
<i>Retrovarium exiguiformosum</i>	EF116612	EF116626	EF116638	EF116638
<i>Retrovarium formosum</i>	EF116611	EF116625	EF116637	EF116637
<i>Retrovarium gardneri</i>	EF116606	-	EF116640	EF116640
<i>Retrovarium manteri</i>	EF116604	EF116621	EF116633	EF116633
<i>Retrovarium mariae</i>	EF116607	EF116618	EF116630	EF116630

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<b>Taxa</b>	<b>28S</b>	<b>ITS1</b>	<b>5.8S</b>	<b>ITS2</b>
<i>Retrovarium planum</i>	EF116614	EF116622	EF116634	EF116634
<i>Retrovarium sablae</i>	EF116608	EF116617	EF116642	EF116642
<i>Retrovarium snyderi</i>	EF116610	EF116624	EF116636	EF116636
<i>Retrovarium valdeparvum</i>	EF116613	EF116627	EF116639	EF116639
<i>Siphodera vinalwardsii</i>	AY222230	-	-	-
<i>Siphoderina grunnius</i>	EU571261	EU571257	EU571257	EU571257
<i>Siphoderina hirastricta</i>	EU571260	EU571255	EU571255	EU571255
<i>Siphoderina infirma</i>	EU571264	EU571256	EU571256	EU571256
<i>Siphoderina jactus</i>	EU571263	EU571253	EU571253	EU571253
<i>Siphoderina poulini</i>	EU571267	EU571254	EU571254	EU571254
<i>Siphoderina quasi sp.ina</i>	EU571265	EU571259	EU571259	EU571259
<i>Siphoderina subuterus</i>	EU571266	-	-	-
<i>Siphoderina territans</i>	EF116615	EF116620	EF116632	EF116632
<i>Siphoderina virga</i>	EU571262	EU571258	EU571258	EU571258
<i>Siphomutabilus gurukun</i>	KF417631	KF417628	KF417628	KF417628
<i>Siphomutabilus raritas</i>	KF417632	KF417629	KF417629	KF417629
<i>Stellantchasmus falcatus</i>	HM004174	-	KJ630833	KJ630833
<i>Stictodora</i> sp. isolate St1	KU559563	-	-	-
<i>Stictodora</i> sp. isolate St2	KU559564	-	-	-
<i>Tabascotrema verai</i>	JX023407	JX023379	JX023379	JX023379
<b><i>Timoniella</i> cf. <i>loosi</i> 1</b>	<b>MG383502</b>	<b>MG383515</b>	<b>MG383515</b>	<b>MG383515</b>
<b><i>Timoniella</i> cf. <i>loosi</i> 2</b>	<b>MG383503</b>	<b>MG383516</b>	<b>MG383516</b>	<b>MG383516</b>
<b><i>Timoniella</i> cf. <i>loosi</i> 3</b>	<b>MG383504</b>	<b>MG383517</b>	<b>MG383517</b>	<b>MG383517</b>
<b><i>Timoniella</i> cf. <i>loosi</i> 4</b>	<b>MG383505</b>	<b>MG383518</b>	<b>MG383518</b>	<b>MG383518</b>
<b><i>Timoniella</i> cf. <i>loosi</i> 5</b>	<b>MG383506</b>	<b>MG383519</b>	<b>MG383519</b>	<b>MG383519</b>
<i>Varialvus charadrus</i>	HM187778	HM187781	HM187781	HM187781
<i>Varialvus jenaе</i>	HM187776	HM187779	HM187779	HM187779
<i>Varialvus lacertus</i>	HM187777	HM187780	HM187780	HM187780