

Table S1. GenBank accession numbers and classification of sequences used in present analysis.

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
AF202164	Anguinidae	<i>Subanguina</i>	<i>radicicola</i>	+	+	+
EU669912	Anguinidae	<i>Halenchus</i>	<i>fucicola</i>	+	+	+
JQ429768	Anguinidae	<i>Ditylenchus</i>	<i>drepanocercus</i>	+	+	+
KJ636296	Anguinidae	<i>Ditylenchus</i>	<i>dipsaci</i>	+	+	+
AF083020	Rhabditidae	<i>Pellioiditis</i>	<i>mediterranea</i>	+	+	+
AF083021	Rhabditidae	<i>Pellioiditis</i>	<i>marina</i>	+	+	+
U13933	Rhabditidae	<i>Pellioiditis</i>	<i>typica</i>	+	+	+
AF036607	Teratocephalidae	<i>Teratocephalus</i>	<i>lirellus</i>	+	+	+
AY284683	Teratocephalidae	<i>Teratocephalus</i>	<i>terrestris</i>	+	+	+
AF036602	Plectidae	<i>Plectus</i>	<i>aquatilis</i>	+	+	+
AY593928	Plectidae	<i>Plectus</i>	<i>rhizophilus</i>	+	+	+
AY593930	Plectidae	<i>Plectus</i>	<i>cirratus</i>	+	+	+
AY284697	Plectidae	<i>Anaplectus</i>	<i>grandepapillatus</i>	+	+	+
JX905207	Chronogastridae	<i>Cynura</i>	<i>klunderi</i>	+	+	—
AY593931	Chronogastridae	<i>Kischkenema</i>	<i>boettgeri</i>	+	+	+
FJ040455	Chronogastridae	<i>Chronogaster</i>	sp.	+	+	+
FJ040456	Chronogastridae	<i>Chronogaster</i>	<i>typica</i>	+	+	+
KJ636361	Chronogastridae	<i>Chronogaster</i>	sp.	+	+	+
AY593933	Aphanolaimidae	<i>Aphanolaimus</i>	<i>aquaticus</i>	+	+	+
AY593932	Aphanolaimidae	<i>Aphanolaimus</i>	<i>aquaticus</i>	+	+	+
EF591319	Aphanolaimidae	<i>Aphanonchus</i>	cf. <i>europaeus</i>	+	+	+
KJ636380	Aphanolaimidae	<i>Paraphanolaimus</i>	<i>behningi</i>	+	+	+
EF591323	Leptolaimidae	<i>Leptolaimus</i>	sp.	+	+	+
FJ040458	Leptolaimidae	<i>Leptolaimus</i>	sp.	+	+	+
EF591324	Leptolaimidae	<i>Leptolaimus</i>	sp.	+	+	+
EF591320	Leptolaimidae	<i>Paraplectonema</i>	<i>pedunculatum</i>	+	+	+
JX678597	Camacolaimidae	<i>Alaimella</i>	sp.	+	+	+
EF591321	Camacolaimidae	<i>Setostephanolaimus</i>	<i>spartinae</i>	+	+	+
FJ040457	Camacolaimidae	<i>Deontolaimus</i>	<i>papillatus</i>	+	+	+
JX678599	Camacolaimidae	<i>Deontolaimus</i>	sp.	+	+	+
EF591325	Camacolaimidae	<i>Deontolaimus</i>	sp.	+	+	+
JX678598	Camacolaimidae	<i>Deontolaimus</i>	sp.	+	+	+
EF591326	Camacolaimidae	<i>Procamacolaimus</i>	sp.	+	+	+
FJ969115	Camacolaimidae	<i>Anguinoides</i>	sp.	+	+	+
JX678601	Camacolaimidae	<i>Onchium</i>	sp.	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
EF591328	Camacolaimidae	<i>Onchium</i>	sp.	+	+	+
AY854231	Axonolaimidae	<i>Ascolaimus</i>	<i>elongatus</i>	+	+	+
EF591330	Axonolaimidae	<i>Ascolaimus</i>	cf. <i>elongatus</i>	+	+	+
AY854232	Axonolaimidae	<i>Axonolaimus</i>	<i>helgolandicus</i>	+	+	+
EF591331	Axonolaimidae	<i>Axonolaimus</i>	sp.	+	+	+
FJ040461	Axonolaimidae	<i>Axonolaimus</i>	sp.	+	+	+
AM234630	Axonolaimidae	<i>Parodontophora</i>	sp.	+	–	–
AY854233	Axonolaimidae	<i>Odontophora</i>	<i>rectangula</i>	+	+	–
KF591737	Axonolaimidae	<i>Odontophora</i>	cf. <i>peritricha</i>	+	+	–
EF591329	Diplopeltidae	<i>Diplopeltula</i>	sp.	+	+	+
AY593939	Diplopeltidae	<i>Cylindrolaimus</i>	<i>communis</i>	+	+	+
AY854234	Comesomatidae	<i>Sabatieria</i>	<i>celtica</i>	+	+	+
AY854239	Comesomatidae	<i>Sabatieria</i>	sp.	+	+	+
FJ040466	Comesomatidae	<i>Sabatieria</i>	<i>pulchra</i>	+	+	+
AY854236	Comesomatidae	<i>Sabatieria</i>	<i>punctata</i>	+	+	+
AY854240	Comesomatidae	<i>Setosabatieria</i>	<i>hilarula</i>	+	+	+
AM234047	Comesomatidae	<i>Dorylaimopsis</i>	<i>punctata</i>	+	+	–
FJ969130	Monhysteridae	<i>Monhystera</i>	<i>paludicola</i>	+	+	+
AY593938	Monhysteridae	<i>Monhystera</i>	<i>riemanni</i>	+	+	+
KJ636259	Monhysteridae	<i>Monhystera</i>	<i>stagnalis</i>	+	+	+
KJ636250	Monhysteridae	<i>Eumonhystera</i>	cf. <i>vulgaris</i>	+	+	+
AY593937	Monhysteridae	<i>Eumonhystera</i>	<i>filiformis</i>	+	+	+
KJ636238	Monhysteridae	<i>Eumonhystera</i>	<i>filiformis</i>	+	+	+
EF591334	Monhysteridae	<i>Geomonhystera</i>	<i>villosa</i>	+	+	+
FJ040465	Monhysteridae	<i>Geomonhystera</i>	sp.	+	+	+
AJ966485	Monhysteridae	<i>Halomonhystera</i>	<i>disjuncta</i>	+	+	+
HF572952	Monhysteridae	<i>Halomonhystera</i>	sp.	+	+	+
AF036611	Monhysteridae	<i>Diplolaimelloides</i>	<i>meyli</i>	+	+	+
AJ966482	Monhysteridae	<i>Diplolaimella</i>	<i>dievengatensis</i>	+	+	+
AY854225	Xyalidae	<i>Daptonema</i>	<i>oxycerca</i>	+	+	+
AF047889	Xyalidae	<i>Daptonema</i>	<i>procerus</i>	+	+	+
AY854223	Xyalidae	<i>Daptonema</i>	<i>hirsutum</i>	+	+	+
AY854226	Xyalidae	<i>Daptonema</i>	<i>setosum</i>	+	+	+
AY854224	Xyalidae	<i>Daptonema</i>	<i>normandicum</i>	+	+	+
AY284695	Xyalidae	<i>Theristus</i>	<i>agilis</i>	+	+	+
AJ966505	Xyalidae	<i>Theristus</i>	<i>acer</i>	+	+	+
AJ966491	Xyalidae	<i>Metadesmolaimus</i>	sp.	+	+	+
LK054719	Xyalidae	<i>Steineria</i>	<i>sterreri</i>	+	+	–
KC920423	Xyalidae	<i>Zygonemella</i>	<i>striata</i>	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
AY854228	Sphaerolaimidae	<i>Sphaerolaimus</i>	<i>hirsutus</i>	+	+	+
JN968239	Sphaerolaimidae	<i>Sphaerolaimus</i>	<i>hirsutus</i>	+	+	+
AY854230	Linhomoeidae	<i>Terschellingia</i>	<i>longicaudata</i>	+	+	+
JN968242	Linhomoeidae	<i>Terschellingia</i>	<i>longicaudata</i>	+	+	+
EF591333	Linhomoeidae	<i>Desmolaimus</i>	sp.	+	+	+
AY854229	Linhomoeidae	<i>Desmolaimus</i>	<i>zeelandicus</i>	+	+	+
EF591332	Linhomoeidae	<i>Desmolaimus</i>	sp.	+	+	+
AM235216	Linhomoeidae	<i>Paralinhomoeus</i>	sp.	+	+	–
DQ394777	Linhomoeidae	<i>Paralinhomoeus</i>	sp.	+	+	–
DQ408760	Siphonolaimidae	<i>Astomonema</i>	sp.	+	+	+
DQ408761	Siphonolaimidae	<i>Astomonema</i>	sp.	+	+	+
FJ474095	Ceramonematidae	<i>Ceramonema</i>	<i>reticulatum</i>	+	+	–
JN815321	Ceramonematidae	<i>Ceramonema</i>	<i>reticulatum</i>	+	+	+
JN815320	Ceramonematidae	<i>Ceramonema</i>	<i>altogolfi</i>	+	+	+
JN815319	Ceramonematidae	<i>Ceramonema</i>	<i>inguinispina</i>	+	+	+
JN815322	Desmoscolecidae	<i>Desmoscolex</i>	sp.	+	+	+
EF591342	Desmoscolecidae	<i>Desmoscolex</i>	sp.	+	+	+
FJ182217	Draconematidae	<i>Draconema</i>	<i>japonicum</i>	+	+	+
FJ182220	Draconematidae	<i>Paradraconema</i>	<i>jejuense</i>	+	+	+
FJ182221	Draconematidae	<i>Paradraconema</i>	sp.	+	+	+
FJ182222	Draconematidae	<i>Prochaetosoma</i>	sp.	+	+	+
FJ182216	Draconematidae	<i>Dracograllus</i>	sp.	+	+	+
AF047891	Desmodoridae	<i>Chromadoropsis</i>	<i>vivipara</i>	+	+	+
AY854216	Desmodoridae	<i>Metachromadora</i>	<i>remanei</i>	+	+	+
FJ040469	Desmodoridae	<i>Metachromadora</i>	sp.	+	+	+
Y16913	Desmodoridae	<i>Desmodora</i>	<i>ovigera</i>	+	+	+
AM234628	Desmodoridae	<i>Desmodora</i>	<i>pontica</i>	+	+	–
AY854215	Desmodoridae	<i>Desmodora</i>	<i>communis</i>	+	+	+
AY854217	Desmodoridae	<i>Spirinia</i>	<i>parasitifera</i>	+	+	+
JN968216	Desmodoridae	<i>Spirinia</i>	<i>parasitifera</i>	+	+	–
Y16923	Desmodoridae	<i>Xyzzors</i>	sp.	+	+	+
LK054708	Desmodoridae	<i>Zalonema</i>	sp.	+	+	–
Y16912	Desmodoridae	<i>Catanema</i>	sp.	+	+	+
Y16917	Desmodoridae	<i>Eubostrichus</i>	<i>topiarius</i>	+	+	+
Y16915	Desmodoridae	<i>Eubostrichus</i>	<i>dianeae</i>	+	+	+
Y16916	Desmodoridae	<i>Eubostrichus</i>	<i>parasitiferus</i>	+	+	+
KJ414468	Desmodoridae	<i>Leptonemella</i>	<i>vicina</i>	+	+	+
Y16918	Desmodoridae	<i>Laxus</i>	<i>cosmopolitus</i>	+	+	+
Y16919	Desmodoridae	<i>Laxus</i>	<i>oneistus</i>	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
KJ414465	Desmodoridae	<i>Robbea</i>	<i>ruetzleri</i>	+	+	—
KJ414466	Desmodoridae	<i>Robbea</i>	<i>hypermnestra</i>	+	+	—
Y16921	Desmodoridae	<i>Robbea</i>	<i>hypermnestra</i>	+	+	+
Y16922	Desmodoridae	<i>Stilbonema</i>	<i>majum</i>	+	+	+
AY854218	Microlaimidae	<i>Calomicrolaimus</i>	<i>parahonestus</i>	+	+	+
AY854219	Microlaimidae	<i>Calomicrolaimus</i>	sp.	+	+	+
AY854220	Microlaimidae	<i>Molgolaimus</i>	<i>demani</i>	+	+	+
AY284722	Microlaimidae	<i>Prodesmodora</i>	<i>circulata</i>	+	+	+
FJ040476	Microlaimidae	<i>Prodesmodora</i>	sp.	+	+	+
AY854222	Monoposthiidae	<i>Nudora</i>	<i>bipapillata</i>	+	+	+
JQ071928	Monoposthiidae	<i>Nudora</i>	<i>ilhabelae</i>	+	+	+
AY854221	Monoposthiidae	<i>Monoposthia</i>	<i>costata</i>	+	—	—
FJ040505	Monoposthiidae	<i>Monoposthia</i>	sp.	+	+	+
AM234629	Selachinematidae	<i>Halichoanolaimus</i>	<i>dolichurus</i>	+	+	—
EF591338	Selachinematidae	<i>Halichoanolaimus</i>	sp.	+	+	+
FJ040468	Selachinematidae	<i>Synonchiella</i>	sp.	+	+	+
KF591723	Selachinematidae	<i>Gammanema</i>	sp.	+	—	—
AY284714	Selachinematidae	<i>Choanolaimus</i>	<i>psammophilus</i>	+	+	+
AY284715	Selachinematidae	<i>Choanolaimus</i>	<i>psammophilus</i>	+	+	+
AY593942	Ethmolaimidae	<i>Ethmolaimus</i>	<i>pratensis</i>	+	+	+
FJ040475	Ethmolaimidae	<i>Ethmolaimus</i>	<i>pratensis</i>	+	+	+
AY593941	Achromadoridae	<i>Achromadora</i>	<i>ruricola</i>	+	+	+
AY593940	Achromadoridae	<i>Achromadora</i>	cf. <i>terricola</i>	+	+	+
AY854213	Cyatholaimidae	<i>Cyatholaimus</i>	sp.	+	+	+
JN968214	Cyatholaimidae	<i>Cyatholaimus</i>	sp.	+	—	—
AF036612	Cyatholaimidae	<i>Praeacanthonchus</i>	sp.	+	+	+
AY854214	Cyatholaimidae	<i>Praeacanthonchus</i>	<i>punctatus</i>	+	+	+
AJ966495	Cyatholaimidae	<i>Paracyatholaimus</i>	<i>intermedius</i>	+	+	+
LK054720	Cyatholaimidae	<i>Longicyatholaimus</i>	sp.	+	—	—
KF591743	Cyatholaimidae	<i>Pomponema</i>	sp.	+	—	—
AY854204	Chromadoridae	<i>Atrochromadora</i>	<i>microlaima</i>	+	+	+
AY854209	Chromadoridae	<i>Dichromadora</i>	sp.	+	+	+
FJ040506	Chromadoridae	<i>Dichromadora</i>	sp.	+	+	+
AY854207	Chromadoridae	<i>Chromadorina</i>	<i>germanica</i>	+	+	+
AY854205	Chromadoridae	<i>Chromadora</i>	<i>nudicapitata</i>	+	+	+
KJ636220	Chromadoridae	<i>Chromadorina</i>	<i>bioculata</i>	+	+	+
FJ969119	Chromadoridae	<i>Chromadorita</i>	<i>leuckarti</i>	+	+	+
AY854208	Chromadoridae	<i>Chromadorita</i>	<i>tentabundum</i>	+	+	+
AY854206	Chromadoridae	<i>Chromadora</i>	sp.	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
EF591341	Chromadoridae	<i>Prochromadora</i>	sp.	+	+	+
AY854210	Chromadoridae	<i>Neochromadora</i>	sp.	+	+	+
JN968227	Chromadoridae	<i>Punctodora</i>	<i>ratzeburgensis</i>	+	+	+
AY854211	Chromadoridae	<i>Spilophorella</i>	<i>paradoxa</i>	+	+	+
JN968257	Chromadoridae	<i>Ptycholaimellus</i>	sp.	+	+	–
FJ969123	Haliplectidae	<i>Haliplectus</i>	cf. <i>dorsalis</i>	+	+	+
JN815323	Haliplectidae	<i>Haliplectus</i>	sp.	+	+	+
AY284776	Dorylaimoidea*	<i>Dorylaimus</i>	<i>stagnalis</i>	+	+	+
AY284777	Dorylaimoidea*	<i>Dorylaimus</i>	<i>stagnalis</i>	+	+	+
AY284826	Dorylaimoidea*	<i>Paractinolaimus</i>	<i>macrolaimus</i>	+	+	+
KJ636379	Dorylaimoidea*	<i>Paractinolaimus</i>	<i>macrolaimus</i>	+	+	+
AJ966493	Mononchoidea*	<i>Mononchus</i>	<i>truncatus</i>	+	+	+
AY284765	Mononchoidea*	<i>Mononchus</i>	<i>aquaticus</i>	+	+	+
AJ966474	Mononchoidea*	<i>Anatonchus</i>	<i>tridentatus</i>	+	+	+
FJ969116	Bathyodontidae	<i>Bathyodontus</i>	<i>mirus</i>	+	+	+
AY552964	Bathyodontidae	<i>Bathyodontus</i>	<i>cylindricus</i>	+	+	+
EF207244	Cryptonchidae	<i>Cryptonchus</i>	<i>tristis</i>	+	+	+
FJ040479	Cryptonchidae	<i>Cryptonchus</i>	sp.	+	+	+
JN968229	Mermithidae	<i>Mermis</i>	<i>nigrescens</i>	+	+	+
AF036641	Mermithidae	<i>Mermis</i>	<i>nigrescens</i>	+	+	+
FN400892	Mermithidae	<i>Isomermis</i>	<i>lairdi</i>	+	+	+
AY284729	Prismatolaimidae	<i>Prismatolaimus</i>	<i>intermedius</i>	+	+	+
AY593957	Prismatolaimidae	<i>Prismatolaimus</i>	<i>dolichurus</i>	+	+	+
AY284727	Prismatolaimidae	<i>Prismatolaimus</i>	cf. <i>dolichurus</i>	+	+	+
AY284730	Tripylidae	<i>Tripyla</i>	cf. <i>filicaudata</i>	+	+	+
KJ636224	Tripylidae	<i>Tripyla</i>	<i>glomerans</i>	+	+	+
GQ503062	Tripylidae	<i>Tripyla</i>	<i>bioblitz</i>	+	+	–
AJ966506	Tobrilidae	<i>Tobrilus</i>	<i>gracilis</i>	+	+	+
KJ636217	Tobrilidae	<i>Epitobrilus</i>	<i>stefanskii</i>	+	+	+
KJ636226	Tobrilidae	<i>Eutobrilus</i>	<i>grandipapillatus</i>	+	+	+
KJ636235	Tobrilidae	<i>Eutobrilus</i>	<i>nothus</i>	+	+	+
KJ636231	Tobrilidae	<i>Semitobrilus</i>	<i>pellucidus</i>	+	+	+
AF047890	Oncholaimidae	<i>Pontonema</i>	<i>vulgare</i>	+	+	+
AY854195	Oncholaimidae	<i>Adoncholaimus</i>	<i>fuscus</i>	+	+	+
AF036642	Oncholaimidae	<i>Adoncholaimus</i>	sp.	+	+	+
KF591739	Oncholaimidae	<i>Oncholaimus</i>	sp.	+	–	–
AM234625	Oncholaimidae	<i>Oncholaimus</i>	sp.	+	+	–
LK054723	Oncholaimidae	<i>Oncholaimellus</i>	sp.	+	+	–
AY854198	Oncholaimidae	<i>Viscosia</i>	<i>viscosa</i>	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
AY854197	Oncholaimidae	<i>Viscosia</i>	sp.	+	+	+
FJ040494	Oncholaimidae	<i>Viscosia</i>	sp.	+	+	+
GU139748	Oncholaimidae	<i>Metoncholaimus</i>	sp.	+	+	–
HM564435	Enchelidiidae	<i>Pareurystomina</i>	sp.	+	+	–
HM564491	Enchelidiidae	<i>Pareurystomina</i>	sp.	+	+	–
HM564537	Enchelidiidae	<i>Bathyeurystomina</i>	sp.	+	+	–
HM564602	Enchelidiidae	<i>Bathyeurystomina</i>	sp.	+	+	–
FJ040503	Enchelidiidae	<i>Calyptronema</i>	sp.	+	+	+
AY854199	Enchelidiidae	<i>Calyptronema</i>	<i>maxweberi</i>	+	+	+
FJ040502	Enchelidiidae	<i>Symplocostoma</i>	sp.	+	+	+
AY854192	Enoplidae	<i>Enoplus</i>	<i>communis</i>	+	+	+
U88336	Enoplidae	<i>Enoplus</i>	<i>brevis</i>	+	+	+
Y16914	Enoplidae	<i>Enoplus</i>	<i>meridionalis</i>	+	+	+
AY854193	Thoracostomopsidae	<i>Enoploides</i>	<i>brunettii</i>	+	+	+
FJ040490	Thoracostomopsidae	<i>Enoploides</i>	sp.	+	+	+
GU139759	Thoracostomopsidae	<i>Epacanthion</i>	sp.	+	+	–
HM564466	Thoracostomopsidae	<i>Enoplolaimus</i>	sp.	+	+	–
HM564427	Thoracostomopsidae	<i>Enoplolaimus</i>	sp.	+	+	–
HM564422	Thoracostomopsidae	<i>Enoplolaimus</i>	sp.	+	+	–
GU139757	Thoracostomopsidae	<i>Mesacanthion</i>	sp.	+	+	–
GU139755	Thoracostomopsidae	<i>Mesacanthion</i>	sp.	+	+	–
GU139761	Thoracostomopsidae	<i>Mesacanthoides</i>	sp.	+	+	–
KF591734	Thoracostomopsidae	<i>Mesacanthion</i>	<i>ungulatum</i>	+	+	–
GU139764	Thoracostomopsidae	<i>Oxyonchus</i>	sp.	+	+	–
GU139753	Thoracostomopsidae	<i>Trileptium</i>	sp.	+	+	–
GU139763	Thoracostomopsidae	<i>Trileptium</i>	sp.	+	+	–
FN433904	Phanodermatidae	<i>Phanoderma</i>	sp.	+	+	–
HM564510	Phanodermatidae	<i>Phanodermopsis</i>	sp.	+	+	–
HM564575	Phanodermatidae	<i>Phanodermopsis</i>	sp.	+	+	–
HM564523	Phanodermatidae	<i>Phanodermopsis</i>	sp.	+	+	–
AY692344	Anticomidae	<i>Anticoma</i>	sp.	+	–	–
HM564638	Anticomidae	<i>Anticoma</i>	sp.	+	+	–
HM564627	Anticomidae	<i>Anticoma</i>	sp.	+	+	–
HM564612	Anticomidae	<i>Cephalanticoma</i>	sp.	+	+	–
FN433899	Leptosomatidae	<i>Deontostoma</i>	sp.	+	+	+
FN433903	Leptosomatidae	<i>Thoracostoma</i>	<i>microlobatum</i>	+	+	+
FN433905	Leptosomatidae	<i>Thoracostoma</i>	<i>trachygaster</i>	+	+	+
FN433902	Leptosomatidae	<i>Pseudocella</i>	sp.	+	+	+
FN433901	Leptosomatidae	<i>Pseudocella</i>	sp.	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
HM564626	Leptosomatidae	<i>Leptosomatides</i>	sp.	+	+	—
HM564630	Leptosomatidae	<i>Synonchus</i>	sp.	+	+	—
HM564585	Trefusiidae	<i>Trefusia</i>	sp.	+	+	—
HM564478	Trefusiidae	<i>Trefusia</i>	sp.	+	+	—
HM564609	Trefusiidae	<i>Rhabdocoma</i>	sp.	+	+	—
HM564606	Trefusiidae	<i>Rhabdocoma</i>	sp.	+	+	—
AJ966509	Trefusiidae	<i>Trischistoma</i>	<i>monohystera</i>	+	+	+
FJ969142	Trefusiidae	<i>Trischistoma</i>	sp.	+	+	+
KJ636223	Trefusiidae	<i>Tripylina</i>	<i>arenicola</i>	+	+	+
JX867773	Trefusiidae	<i>Tripylina</i>	<i>zhejiangensis</i>	+	+	+
FJ040504	Tripyloididae	<i>Bathylaimus</i>	sp.	+	+	+
AY854201	Tripyloididae	<i>Bathylaimus</i>	sp.	+	+	+
AJ966476	Tripyloididae	<i>Bathylaimus</i>	<i>assimilis</i>	+	+	+
AY854202	Tripyloididae	<i>Tripyloides</i>	sp.	+	+	+
DQ394804	Tripyloididae	<i>Tripyloides</i>	sp.	+	+	—
HM564405	Tripyloididae	<i>Tripyloides</i>	sp.	+	+	—
AY590149	Anoplostomatidae	<i>Anoplostoma</i>	<i>rectospiculum</i>	+	+	+
FJ040491	Anoplostomatidae	<i>Anoplostoma</i>	sp.	+	+	+
FJ040492	Anoplostomatidae	<i>Anoplostoma</i>	sp.	+	+	+
HM564542	Anoplostomatidae	<i>Chaetonema</i>	sp.	+	+	—
HM564533	Anoplostomatidae	<i>Chaetonema</i>	sp.	+	+	—
FJ040501	Oxystominidae	<i>Halalaimus</i>	sp.	+	+	+
HM564540	Oxystominidae	<i>Halalaimus</i>	sp.	+	+	—
HM564652	Oxystominidae	<i>Halalaimus</i>	sp.	+	+	—
HM564521	Oxystominidae	<i>Halalaimus</i>	sp.	+	+	—
HM564420	Oxystominidae	<i>Halalaimus</i>	sp.	+	+	—
HM564481	Oxystominidae	<i>Oxystomina</i>	sp.	+	+	—
HM564548	Oxystominidae	<i>Oxystomina</i>	sp.	+	+	—
HM564403	Oxystominidae	<i>Oxystomina</i>	sp.	+	+	—
HM564651	Oxystominidae	<i>Oxystomina</i>	sp.	+	+	—
FJ040498	Oxystominidae	<i>Oxystomina</i>	sp.	+	+	+
HM564649	Oxystominidae	<i>Litinium</i>	sp.	+	+	—
HM564650	Oxystominidae	<i>Litinium</i>	sp.	+	+	—
HM564629	Oxystominidae	<i>Litinium</i>	sp.	+	+	—
FJ040500	Oxystominidae	<i>Thalassoalaimus</i>	<i>pirum</i>	+	+	+
HM564634	Oxystominidae	<i>Thalassoalaimus</i>	sp.	+	+	—
AY284738	Alaimidae	<i>Alaimus</i>	<i>parvus</i>	+	+	+
AJ966514	Alaimidae	<i>Alaimus</i>	sp.	+	+	+
FJ040489	Alaimidae	<i>Alaimus</i>	sp.	+	+	+

Acc. number	Family or *superfamily	Genus	Species	complete dataset	"filtered" dataset	"long" dataset
AY284739	Alaimidae	<i>Paramphidelus</i>	<i>hortensis</i>	+	+	+
AJ966487	Ironidae	<i>Ironus</i>	<i>dentifurcatus</i>	+	+	+
FJ040495	Ironidae	<i>Ironus</i>	<i>longicaudatus</i>	+	+	+
KJ636218	Ironidae	<i>Ironus</i>	<i>macramphis</i>	+	+	+
JQ071933	Ironidae	<i>Trissonchulus</i>	sp.	+	+	+
JQ071931	Ironidae	<i>Trissonchulus</i>	sp.	+	+	+
HM564604	Ironidae	<i>Dolicholaimus</i>	sp.	+	+	–
AY854200	Ironidae	<i>Syringolaimus</i>	<i>striatocaudatus</i>	+	+	+
FJ040497	Ironidae	<i>Syringolaimus</i>	sp.	+	+	+
FJ969139	Rhabdolaimidae	<i>Rhabdolaimus</i>	<i>aquaticus</i>	+	+	+
KJ636366	Rhabdolaimidae	<i>Rhabdolaimus</i>	<i>terrestris</i>	+	+	+
AF342790	Priapulidae	<i>Halicryptus</i>	<i>spinulosus</i>	+	+	+
X80234	Priapulidae	<i>Priapulus</i>	<i>caudatus</i>	+	+	+
X87984	Priapulidae	<i>Priapulus</i>	<i>caudatus</i>	+	+	+
Z38009	Priapulidae	<i>Priapulus</i>	<i>caudatus</i>	+	+	+