

Table 2. GenBank accession numbers and sources for DNA sequences utilized in this study.

Species	COI	Glyt	myh6	plag2	rag1	zic1
<i>Abalistes stellatus</i>	JF492756	JX190373	JX190512	JX190636	JX190901	JX191354
<i>Acanthurus nigricans</i>	EF648267	JX190353	JX190496	JX190621	JX190886	JX191342
<i>Aeoliscus strigatus</i>	NA	NA	JX189647	NA	JX189801	JX189030
<i>Albula vulpes</i>	GU225131	NA	JX190390	NA	JX190803	JX191247
<i>Aldrovandia affinis</i>	AP002974.1	NA	JX190392	JX190533	NA	JX191249
<i>Alepisaurus ferox</i>	EU366542	JX190305	JX190451	JX190577	JX190840	JX191299
<i>Ambloplites rupestris</i>	EU524413	JX188709	JQ352815	JQ352860	JF742888	JQ353127
<i>Ameiurus natalis</i>	EU524425	JX190273	JX190416	JX190561	JX190818	NA
<i>Amia calva</i>	AB042952	JX190245	JX190389	JX190531	JX190802	JX191246
<i>Amphiprion ocellaris</i>	NA	NA	NA	NA	AY208631	NA
<i>Anguilla rostrata</i>	EU524441	JX190248	JX190395	NA	NA	JX191252
<i>Antennarius striatus</i>	GU188497	EJ582791	JX190505	JX190629	JX190896	JX191349
<i>Aphredoderus sayanus</i>	JN024806	JX190317	JX190462	JX190586	JX190850	JX191311
<i>Aplochiton taeniatus</i>	NA	JX190292	JX190435	NA	JN232639	NA
<i>Aplodinotus grunniens</i>	EU523923	JX188754	JX189695	JX189381	JX189853	JX189079
<i>Apogon lateralis WR</i>	NA	JX188705	JX189657	JX189339	JX189811	JX189040
<i>Aracana aurita</i>	JQ861007	JX190372	JX190511	JX190635	JX190900	JX191353
<i>Archoplites interruptus</i>	JN024809	JX190346	JQ352816	JQ352861	JF742889	JQ353128
<i>Argentina silus</i>	NA	JX190279	JX190423	NA	JX190822	JX191275
<i>Argyropelecus gigas</i>	EU148084	NA	JX190448	JX190574	JX190837	JX191296
<i>Arrhamphus sclerolepis</i>	NA	NA	JX189640	JX189324	NA	JX189025
<i>Assurger anzac</i>	JN990845	JX190381	JX190521	JX190644	JX190910	JX191364
<i>Astyanax mexicanus</i>	HQ557152	JX190268	JX190411	JX190556	NA	NA
<i>Ateleopus japonicus</i>	AP002916	JX190303	JX190449	JX190575	JX190838	JX191297
<i>Aulostomus maculatus</i>	JQ842017	JX188694	JX189646	JX189329	JX189800	JX189029
<i>Barbourisia rufa</i>	JQ354000	JX190324	JX190468	JX190591	JX190855	JX191314
<i>Bathylaco nigricans</i>	AP009494	JX190277	JX190421	NA	NA	NA
<i>Bathylagus eurypops</i>	NA	JX190280	JX190424	NA	NA	JX191276
<i>Bathypterois arcticolor</i>	NA	JX190307	JX190453	JX190579	JX190842	JX191300
<i>Bathysaurus ferox</i>	EU366547	NA	NA	EU366643	EU366689	EU366734
<i>Benthalbella macropinna</i>	EU366552	NA	NA	EU366648	EU366694	EU366739
<i>Benthoosema glaciale</i>	KF768167	NA	NA	NA	KF768155	KF768160
<i>Beryx decadactylus</i>	JF492956	JX188692	JX189644	JX189327	JX189798	NA
<i>Betta splendens</i>	JQ867506	JX188827	JX189768	NA	JX189928	JX189154
<i>Bothus lunatus</i>	JQ842025	JX190361	JX190501	NA	JX190891	NA
<i>Brotula multibarata</i>	QK431501	JX188680	JX189630	JX189315	JX189782	JX189013
<i>Callichelys catostoma</i>	KF768168	NA	NA	NA	NA	NA
<i>Callionymus bairdi</i>	JQ840435	JX190380	JX190518	JX190642	JX190908	JX191361
<i>Cantherhines pullus</i>	JQ841489	JX190377	JX190515	NA	JX190904	JX191357
<i>Caranx crysos</i>	GU702378	JX190345	JX190490	JX190615	JX190879	JX191336
<i>Cataetyx lepidogenys</i>	NA	JX190337	JX190481	JX190604	JX190868	JX191326
<i>Centroberyx druzhinini</i>	HQ945941	JX190329	JX190473	JX190596	JX190860	JX191319
<i>Centropomus undecimalis</i>	JQ365276	JX188711	JX189662	JX189344	JX189816	JX189045
<i>Centropyge flavissima</i>	JQ431559	NA	NA	NA	EF530089	NA
<i>Cephalopholis argus</i>	JX674947	JX188757	JX189698	JX189384	JX189856	JX189082
<i>Chaetodon striatus</i>	HQ840451	JX190349	JX190492	JX190617	JX190882	JX191338
<i>Chanos chanos</i>	HQ654700	JX190263	JX190408	JX190551	JX190809	JX191264
<i>Chauxna suttkusi</i>	NA	JX190368	JX190507	JX190631	JX190898	JX191351
<i>Chelmon rostratus</i>	FJ583134	JX190350	JX190493	JX190618	JX190883	JX191339
<i>Chilomycterus schoepfi</i>	JQ842420	JX188832	JX189773	JX189454	JX189933	JX189158
<i>Chitala chitala</i>	FJ918897	JX190259	JX190405	JX190546	FJ896406	JX191260
<i>Chlorophthalmus agassizii</i>	EU366553	NA	NA	NA	EU366695	EU366740
<i>Chologaster cornuta</i>	HQ557553	JX190318	HQ729508	HQ729624	HQ707706	HQ729595
<i>Chromis cyanea</i>	JQ840457	JX188795	NA	JX189416	JX189896	JX189123
<i>Cirrhichthys falco</i>	EJ583255	NA	JQ352824	JQ352869	NA	JQ353136
<i>Conger oceanicus</i>	NA	JX190249	JX190396	JX190537	NA	JX191253
<i>Coregonus hippocarpius</i>	EU523959	JX190297	JX190441	JX190568	JX190831	JX191289
<i>Coryphaena hippurus</i>	JQ839745	JX190342	JX190488	JX190612	JX190876	JX191333
<i>Coryphaenoides rupestris</i>	NA	EU002054	EU001915	NA	FJ215233	NA
<i>Cottus caroliniae</i>	JN025051	JX188700	JX189652	JX189334	JX189806	JX189035
<i>Cromeria nilotica</i>	AP007275	JX190265	JX190410	JX190553	JX190811	JX191266
<i>Cyttopsis rosea</i>	JQ774524	JX190321	JX190465	JX190588	JX190852	NA
<i>Denticipes clupeioides</i>	AP007276	NA	JX190407	JX190549	DQ912100	NA
<i>Diaphus dumerilii</i>	KF768169	NA	NA	NA	KF768156	KF768161
<i>Diodon holocanthus</i>	GU225199	JX188833	JX189774	JX189455	JX189934	JX189159
<i>Diplophos taenia</i>	EU366584	NA	FJ918866	EU366676	EU366724	EU366768
<i>Dissostichus eleginoides</i>	JN640627	JX188801	JN187040	JX189422	JX189902	JN186822
<i>Echeneis naucrates</i>	JQ841117	JX190343	NA	JX190613	JX190877	JX191334
<i>Echidna rhodochilus</i>	NA	JX190251	JX190397	JX190538	JX190805	NA
<i>Elassoma zonatum</i>	JN025308	JX190386	JQ352848	JQ352893	JQ353047	JQ353156
<i>Eleotris pisonis</i>	AY722157	JX188817	JX189758	JX189440	JX189918	JX189145
<i>Elops saurus</i>	AP004807	JX190247	JX190394	JX190535	FJ896408	JX191250
<i>Enneapterygius gruschkai</i>	HQ168540	NA	NA	NA	HQ168770	NA
<i>Esox lucius</i>	EU524591	JX190284	JX190428	EU002099	JX190825	EU001870
<i>Etheostoma atripinne</i>	HQ557533	JX188739	NA	JX189366	JX189838	JX189065
<i>Eurypharynx pelicanoides</i>	AB046473	JX190254	JX190402	NA	NA	JX191255
<i>Facciolella gilbertii</i>	KF768170	NA	NA	NA	NA	KF768162
<i>Fistularia petimba</i>	JQ365356	NA	JX190482	JX190607	JX190871	NA
<i>Forcipiger flavissimus</i>	JF434972	JX188713	JX189664	JX189346	JX189818	JX189047
<i>Galaxias maculatus</i>	AP004104	JX190294	JX190437	NA	NJ232643	JX191286
<i>Galaxiella nigrostriata</i>	AP006853	JX190295	JX190438	NA	NJ232647	JX191287
<i>Gambusia affinis</i>	JQ842475	JX188691	JX189643	JX189326	JX189797	JX189027
<i>Gasterosteus aculeatus</i>	JQ354102	JX188696	JX189649	JX189331	JX189803	JX189032
<i>Gazza minuta</i>	DQ028007	JX188724	JX189671	JX189353	JX189825	JX189054
<i>Gephyroberyx darwini</i>	HQ945918	JX190334	JX190478	JX190601	JX190865	JX191324
<i>Gigantura indica</i>	EU366557	NA	NA	EU366652	EU366699	EU366744
<i>Gnathonemus petersii</i>	HM880237	JX190258	NA	JX190545	JX190807	JX191259
<i>Gonrynychus greyi</i>	AB054134	JX190264	JX190409	JX190552	JX190810	JX191265
<i>Gymnorhamphichthys petiti</i>	NA	JX190267	NA	JX190555	JX190813	JX191268
<i>Halictheres bivittatus</i>	JQ840524	JX188785	JX189728	JX189410	JX189885	JX189111
<i>Haliuethichthys aculeatus</i>	NA	JX190370	JX190509	JX190633	NA	NA
<i>Halosaurus macrochir</i>	EU869816	JX190246	JX190393	JX190534	NA	NA
<i>Harpadon marchohir</i>	EU366558	NA	NA	EU366653	EU366700	EU366745
<i>Helostoma temminckii</i>	NA	JX190384	JX190524	JX190647	JX190913	JX191366
<i>Heteroconger hassi</i>	JQ350055	JX190250	NA	NA	NA	JX191254
<i>Heteromycteris japonicus</i>	ABFJ254	JX190365	JX190504	JX190628	JX190895	JX191348
<i>Himantolophus sagamius</i>	GU440342	JX190369	JX190508	JX190632	JX190899	JX191352
<i>Hime japonica</i>	AB047821	NA	NA	EU366641	EU366687	EU366732
<i>Hiodon tergisus</i>	EU524659	JX190257	JX190404	JX190544	NA	JX191258
<i>Histiophryne cryptacantus</i>	GU188513	JX190367	JX190506	JX190630	JX190897	JX191350
<i>Hoplostethus atlanticus</i>	JN580187	JX188693	JX189645	JX189328	JX189799	JX189028
<i>Hypopitychus dybowskii</i>	NC4400	JX190341	JX190487	JX190611	JX190875	JX191332
<i>Ijimaia loppei</i>	NA	JX190304	JX190450	JX190576	JX190839	JX191298
<i>Ipnops sp</i>	EU366560	NA	NA	EU366655	EU366702	EU366747
<i>Kurtus gulliveri</i>	EU381031	JX190339	JX190485	JX190609	JX190873	JX191330
<i>Labrisomus multiporosus</i>	NA	JX188812	JX189752	JX189434	JX189914	JX189139
<i>Lachnolaimus maximus</i>	JQ841240	JX188788	JX189732	JX189411	NA	JX189115
<i>Lactophrys triqueter</i>	JQ861018	JX188835	JX189776	JX189457	JX189936	JX189161
<i>Lampris guttatus</i>	DQ885096	JX190314	NA	JX190584	JX190848	JX191308
<i>Lates niloticus</i>	GU324190	JX190382	JX190522	JX190645	JX190911	NA
<i>Leiognathus equulus</i>	DQ028017	JX188725	JX189672	JX189354	JX189826	JX189055
<i>Lepidogalaxias salamandroides</i>	FJ918925	NA	JX190440	NA	FJ896438	JX191288
<i>Lepidogobius lepidus</i>	NA	NA	JX190519	JX190643	JX190909	JX191362
<i>Lepomis macrochirus</i>	EU524741	JX190347	JX190491	JX190616	JX190880	JX191337
<i>Liopropoma rubre</i>	JQ841244	NA	HQ731360	HQ731341	HQ731318	HQ731389
<i>Liparis mucosus</i>	JQ354182	JX190387	JX190525	NA	JX190915	JX191368
<i>Lophius americanus</i>	EU660715	JX188679	JX189629	JX189314	JX189781	JX189012
<i>Lota lota</i>	HQ961084	JX190320	JX190464	NA	JX190851	JX191313
<i>Luvarus imperialis</i>	AP009161	JX190355	EF536299	EF536261	EF530099	EF533922
<i>Lycodes terraenovae</i>	NA	EF032996	EF032931	EF033022	NA	EF032918
<i>Maccullochella peellii</i>	DQ107940	JX188737	JQ352837	JQ352882	JQ353036	JQ353148
<i>Macropinna microstoma</i>	EU869816	JX190282	JX190426	NA	JX190823	JX191278
<i>Macroramphosus scolopax</i>	JQ775070	NA	JX190483	JX190608	JX190872	JX191329
<i>Mallotus villosus</i>	HQ712650	JX190289	FJ918856	NA	DQ397097	FJ906654
<i>Masturus lanceolatus</i>	AP006239	JX190374	EF536316	EF536277	AY308792	EF533939
<i>Megalops atlanticus</i>	AP004808	NA	NA	JX190536	AY430204	JX191251
<i>Meiacanthus grammistes</i>	NA	JX188809	JX189748	JX189430	JX189910	JX189135
<i>Melamphaes polyplepis</i>	NA	JX190325	JX190469	JX190592	JX190856	JX191315
<i>Mene maculata</i>	HQ805056	JX190352	JX190495	JX190620	JX190885	JX191341
<i>Micropterus salmoides</i>	GU557266	JX190348	JQ352819	JQ352864	JF742912	JQ353131
<i>Mola mola</i>	JX438518	JX190375	JX190513	JX190637	JX190902	JX191355
<i>Monocentris japonica</i>	DQ648452	JX190332	JX190476	JX190599	JX190863	JX191322
<i>Monopterus albus</i>	AP002945	JX188698	JQ352812	JQ352857	JQ353018	JQ353124
<i>Monotaxis grandoculis</i>	JQ431907	JX188727	JX189673	JX189356	JX189828	JX189057
<i>Morone chrysops</i>	EU524141	JX188732	JX189678	JX189361	JX189833	JX189061
<i>Muraenichthys</i>	JQ431927	NA	NA	NA	NA	NA
<i>Myrichthys maculosus</i>	NA	JX190252	JX190399	JX190539	NA	NA
<i>Myripristis violacea</i>	HM034239	JX190330	JX190474	JX190597	JX190861	JX191320
<i>Nansenia ardesiaca</i>	AP004106	JX190281	JX190425	NA	NA	JX191277
<i>Naso lituratus</i>	HM034244	JX190354	EF536292	EF536254	EF530092	EF533915
<i>Neochanna burrowsius</i>	NA	JX190296	JX190439	NA	JN232658	NA
<i>Neonesthes capensis</i>	KF768171	JX190301	JX190445	JX190572	NA	JX191293
<i>Neosalanx jordani</i>	HM151574	HQ916019	NA	NA	HQ916058	HQ916188