

Supplemental Table 1. Specimen catalog numbers, species sampled, and Genbank accession numbers.

Catalog	species	ENC1	Glyt	myh6	plag12	Ptr	RAG1	SH3PX3	sreb2	tbr1	zic1
13850	<i>Polymixia lowei</i>	JX188837	NA	NA	NA	NA	NA	JX189459	NA	JX189163	JX189009
13851	<i>Polymixia japonica</i>	JX188838	JX188676	JX189626	JX189311	JX190073	JX189778	JX189530	JX189938	JX189164	JX189010
18382	<i>Chaunax sp.</i>	JX188839	JX188677	JX189627	JX189312	JX190074	JX189779	JX189531	JX189939	JX189165	JX189011
18110	<i>Gigantactis vanhoeffeni</i>	JX188840	JX188678	JX189628	JX189313	JX190075	JX189780	JX189532	NA	NA	NA
13690	<i>Lophius americanus</i>	JX188841	JX188679	JX189629	JX189314	JX190076	JX189781	JX189533	JX189940	JX189166	JX189012
Genbank	<i>Lophius gastrophysus</i>	EU002030	NA	EU001920	EU002108	EU001975	NA	EU002082	EU002139	EU002000	EU001884
13721	<i>Brotula multibarbata</i>	JX188842	JX188680	JX189630	JX189315	JX190077	JX189782	JX189534	JX189941	NA	JX189013
Genbank	<i>Brotula multibarbata</i>	EF032985	EF032998	EF032933	EF033024	EF032959	NA	EF033011	EF033037	EF032972	EF032933
237	<i>Percopsis omiscomaycus</i>	JX188843	JX188681	JQ352809	JQ352854	JX190078	JX189783	JX189535	NA	JX189167	JQ353121
738	<i>Mugil cephalus</i>	JX188844	JX188682	JQ352811	JQ352856	JX190079	JX189784	JX189536	JQ353086	JX189168	JQ353123
17745	<i>Mugil curema</i>	JX188845	EU002052	EU001913	EU002106	EU001967	complete	EU002075	EU002133	EU001994	EU001878
13167	<i>Labidesthes sicculus</i>	JX188846	JX188683	JX189631	NA	JX190080	JX189785	JX189537	JX189942	JX189169	JX189017
Genbank	<i>Labidesthes sicculus</i>	EU002029	NA	EU001919	NA	EU001974	NA	EU002081	EU002138	EU001999	EU001883
12611	<i>Atherinomorus lacunosus</i>	JX188847	JX188684	JX189632	JX189316	NA	JX189786	JX189538	JX189943	JX189170	JX189018
13566	<i>Melanotaenia sp.</i>	JX188848	NA	NA	JX189317	JX190081	JX189787	JX189539	JX189944	JX189171	JX189019
T517	<i>Rheocles wrightae</i>	JX188849	JX188685	JX189633	JX189318	JX190082	JX189788	JX189540	JX189945	JX189172	JX189020
Ensembl	<i>Oryzias latipes</i>	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl	Ensembl
16172	<i>Platybelone argala</i>	JX188850	JX188686	JX189634	JX189319	NA	JX189789	JX189541	JX189946	JX189173	JX189021
11543	<i>Strongylura marina</i>	JX188851	JX188687	JX189635	JX189320	NA	JX189790	JX189542	JX189947	JX189174	JX189022
11548	<i>Xenentodon cancila</i>	JX188852	JX188688	JX189636	JX189321	JX190083	JX189791	JX189543	JX189948	JX189175	JX189023
18108	<i>Cheilopogon pinnatibarbatus</i>	JX188853	NA	JX189637	JX189322	JX190084	JX189792	JX189544	JX189949	NA	NA
T514	<i>Cheilopogon melanurus</i>	JX188854	NA	JX189638	JX189323	JX190085	JX189793	JX189545	JX189950	NA	NA
T515	<i>Dermogenys collettei</i>	NA	JX188689	JX189639	NA	JX190086	JX189794	JX189546	NA	JX189176	JX189024
T516	<i>Arrhamphus sclerolepis</i>	JX188855	NA	JX189640	JX189324	JX190087	NA	JX189547	JX189951	JX189177	JX189025
13878	<i>Scomberesox saurus</i>	JX188856	NA	JX189641	NA	JX190088	JX189795	JX189548	JX189952	NA	JX189026
11469	<i>Lucania goodei</i>	JX188857	JX188690	JX189642	JX189325	JX190089	JX189796	JX189549	NA	JX189178	NA
Genbank	<i>Fundulus heteroclitus</i>	EF032978	EF032991	EF032926	EF033017	EF032952	NA	EF033004	EF033030	EF032965	EF032913
250	<i>Gambusia affinis</i>	JX188858	JX188691	JX189643	JX189326	JX190090	JX189797	JX189550	JX189953	JX189179	JX189027
Genbank	<i>Gambusia affinis</i>	EU002018	EU002046	EU001907	EU002101	EU001961	NA	EU002071	EU002127	EU001989	EU001872
13625	<i>Beryx decadactylus</i>	JX188859	JX188692	JX189644	JX189327	JX190091	JX189798	JX189551	JX189954	NA	NA
1065	<i>Hoplostethus atlanticus</i>	JX188860	JX188693	JX189645	JX189328	JX190092	JX189799	JX189552	JX189955	JX189180	JX189028
16167	<i>Aulostomus maculatus</i>	JX188861	JX188694	JX189646	JX189329	JX190093	JX189800	JX189553	JX189956	JX189181	JX189029
12412	<i>Aeoliscus strigatus</i>	JX188862	NA	JX189647	NA	JX190094	JX189801	JX189554	JX189957	NA	JX189030
12978	<i>Aulorhynchus flavidus</i>	JX188863	JX188695	JX189648	JX189330	JX190095	JX189802	JX189555	JX189958	JX189182	JX189031
12993	<i>Gasterosteus aculeatus</i>	JX188864	JX188696	JX189649	JX189331	JX190096	JX189803	JX189556	JX189959	JX189183	JX189032
13563	<i>Macroganathus siamensis</i>	JX188865	JX188697	JX189650	JX189332	JX190097	JX189804	NA	JX189960	JX189184	JX189033
13724	<i>Monopterus albus</i>	JX188866	JX188698	JQ352812	JQ352857	JX190098	JQ353018	JX189557	JQ353087	JX189185	JQ353124
Genbank	<i>Monopterus albus</i>	EU002039	EU002063	EU001928	EU002114	EU001983	NA	EU002089	EU002147	EU002006	EU001895
13688	<i>Anoplopoma fimbria</i>	JX188867	JX188699	JX189651	JX189333	JX190099	JX189805	JX189558	JX189961	JX189186	JX189034
12351	<i>Cottus caroliniae</i>	NA	JX188700	JX189652	JX189334	JX190100	JX189806	JX189559	JX189962	JX189187	JX189035
13857	<i>Cyclopterus lumpus</i>	JX188868	JX188701	JX189653	JX189335	JX190101	JX189807	JX189560	JX189963	JX189188	JX189036
12683	<i>Hexagrammos otakii</i>	JX188869	JX188702	JX189654	JX189336	JX190102	JX189808	JX189561	JX189964	JX189189	JX189037
13689	<i>Sebastes fasciatus</i>	JX188870	JX188703	JX189655	JX189337	JX190103	JX189809	JX189562	NA	JX189190	JX189038
Genbank	<i>Sebastes ruberrimus</i>	EU002040	EU002064	EU001929	EU002115	EU001984	NA	EU002090	NA	EU002007	EU001896
13957	<i>Sebastolobus alascanus</i>	JX188871	JX188704	JX189656	JX189338	JX190104	JX189810	JX189563	NA	JX189191	JX189039
12659	<i>Ostorhinchus lateralis</i>	JX188872	JX188705	JX189657	JX189339	JX190105	JX189811	JX189564	JX189965	JX189192	JX189040
12396	<i>Cheilodipterus quinquelineatus</i>	JX188873	JX188706	JX189658	JX189340	JX190106	JX189812	JX189565	JX189966	JX189193	JX189041
17741	<i>Seriola dumerili</i>	JX188874	JX188707	JX189659	JX189341	JX190107	JX189813	JX189566	JX189967	JX189194	JX189042
11458	<i>Trachinotus carolinus</i>	JX188875	JX188708	JX189660	JX189342	JX190108	JX189814	JX189567	JX189968	JX189195	JX189043
10215	<i>Ambloplites rupestris</i>	JX188876	JX188709	JQ352815	JQ352860	JX190109	JF742888	JX189568	JQ353090	JX189196	JQ353127
T461	<i>Centrogenys vaiigiensis</i>	JX188877	JX188710	JX189661	JX189343	JX190110	JX189815	JX189569	JX189969	JX189197	JX189044
11263	<i>Centropomus undecimalis</i>	JX188878	JX188711	JX189662	JX189344	JX190111	JX189816	JX189570	JX189970	JX189198	JX189045
11533	<i>Chaetodon ornatissimus</i>	JX188879	JX188712	JX189663	JX189345	JX190112	JX189817	JX189571	JX189971	JX189199	JX189046
12534	<i>Forcipiger flavissimus</i>	JX188880	JX188713	JX189664	JX189346	JX190113	JX189818	JX189572	JX189972	JX189200	JX189047
13569	<i>Ambassis urotaenia</i>	JX188881	JX188714	JX189665	JX189347	JX190114	JX189819	JX189573	JX189973	JX189201	JX189048

12636	<i>Paracirrhites arcatus</i>	JX188882	JX188715	JQ352826	JQ352871	JX190115	JQ353025	JX189574	JQ353099	JX189202	JQ353138
T503	<i>Cheilodactylus variegatus</i>	JX188883	JX188716	JQ352821	JQ352866	JX190116	JQ353021	JX189575	NA	JX189203	JQ353133
11525	<i>Ulaema lefroyi</i>	JX188884	JX188717	JX189666	JX189348	JX190117	JX189820	JX189576	JX189974	JX189204	JX189049
T509	<i>Eugeres plumieri</i>	JX188885	JX188718	JX189667	JX189349	JX190118	JX189821	JX189577	JX189975	JX189205	JX189050
T506	<i>Gramma loreto</i>	JX188886	JX188719	JX189668	JX189350	JX190119	JX189822	JX189578	JX189976	JX189206	JX189051
11491	<i>Haemulon sciurus</i>	JX188887	JX188720	JX189669	JX189351	JX190120	JX189823	JX189579	JX189977	JX189207	JX189052
11495	<i>Haemulon vittatum</i>	JX188888	JX188721	JX189670	JX189352	JX190121	JX189824	JX189580	NA	JX189208	JX189053
11256	<i>Kuhlia marginata</i>	JX188889	JX188722	JQ352828	JQ352873	JX190122	JQ353027	JX189581	JQ353100	JX189209	JQ353140
11475	<i>Kyphosus elegans</i>	JX188890	JX188723	JQ352832	JQ352877	JX190123	JQ353031	JX189582	JQ353103	JX189210	JQ353144
18187	<i>Gazza minuta</i>	JX188891	JX188724	JX189671	JX189353	JX190124	JX189825	JX189583	NA	NA	JX189054
18188	<i>Leiognathus equulus</i>	JX188892	JX188725	JX189672	JX189354	JX190125	JX189826	JX189584	NA	NA	JX189055
12562	<i>Lethrinus erythrocanthus</i>	JX188893	JX188726	NA	JX189355	JX190126	JX189827	JX189585	JX189978	JX189211	JX189056
12597	<i>Monotaxis grandoculis</i>	JX188894	JX188727	JX189673	JX189356	JX190127	JX189828	JX189586	JX189979	JX189212	JX189057
12669	<i>Lutjanus biguttatus</i>	JX188895	JX188728	JX189674	JX189357	JX190128	JX189829	JX189587	NA	JX189213	JX189058
Genbank	<i>Lutjanus mahogoni</i>	EF032984	EF032997	EF032932	EF033023	EF032958	NA	EF033010	EF033036	EF032971	EF032919
11490	<i>Ocyurus chrysurus</i>	JX188896	JX188729	JX189675	JX189358	JX190129	JX189830	JX189588	JX189980	JX189214	NA
18115	<i>Caulolatilus princeps</i>	JX188897	JX188730	JX189676	JX189359	JX190130	JX189831	JX189589	JX189981	JX189215	JX189059
11498	<i>Malacanthus plumieri</i>	NA	JX188731	JX189677	JX189360	JX190131	JX189832	JX189590	NA	JX189216	JX189060
381	<i>Morone chrysops</i>	JX188898	JX188732	JX189678	JX189361	JX190132	JX189833	JX189591	JX189982	JX189217	JX189061
Genbank	<i>Morone chrysops</i>	EF032982	EF032995	EF032930	EF033021	EF032956	NA	EF033008	EF033034	EF032969	EF032917
12441	<i>Pentapodus caninus</i>	JX188899	JX188733	JX189679	JX189362	JX190133	JX189834	JX189592	NA	JX189218	JX189062
11547	<i>Scolopsis bilineata</i>	JX188900	JX188734	JX189680	JX189363	JX190134	JX189835	JX189593	JX189983	JX189219	JX189063
12409	<i>Scolopsis margaritifera</i>	JX188901	JX188735	JX189681	JX189364	JX190135	JX189836	JX189594	NA	JX189220	JX189064
T504	<i>Opistognathus aurifrons</i>	JX188902	JX188736	JX189682	JX189365	JX190136	JX189837	JX189595	JX189984	NA	NA
11552	<i>Maccullochella peelii</i>	JX188903	JX188737	JQ352837	JQ352882	JX190137	JQ353036	JX189596	JQ353107	JX189221	JQ353148
L533	<i>Gadopsis marmoratus</i>	JX188904	JX188738	JQ352835	JQ352880	JX190138	JQ353034	JX189597	JQ353106	JX189222	NA
3126	<i>Etheostoma atripinne</i>	JX188905	JX188739	NA	JX189366	JX190139	JX189838	JX189598	JX189985	JX189223	JX189065
11179	<i>Percina caprodes</i>	JX188906	JX188740	NA	JX189367	JX190140	JX189839	JX189599	JX189986	JX189224	JX189066
261	<i>Perca flavescens</i>	JX188907	JX188741	NA	JX189368	JX190141	JX189840	NA	NA	JX189225	NA
L1163	<i>Plesiops coeruleolineatus</i>	JX188908	JX188742	JX189683	JX189369	JX190142	JX189841	JX189600	JX189987	JX189226	JX189067
11553	<i>Monocirrhus polyacanthus</i>	JX188909	JX188743	JX189684	JX189370	JX190143	JX189842	NA	JX189988	JX189227	JX189068
11554	<i>Polycentrus schomburgki</i>	JX188910	JX188744	JX189685	JX189371	JX190144	JX189843	JX189601	JX189989	NA	JX189069
18122	<i>Stereolepis gigas</i>	JX188911	JX188745	JX189686	JX189372	JX190145	JX189844	JX189602	JX189990	JX189229	JX189070
11465	<i>Chaetodontoplus melanosoma</i>	JX188912	JX188746	JX189687	JX189373	JX190146	JX189845	JX189603	JX189991	NA	JX189071
11464	<i>Holacanthus passer</i>	JX188913	JX188747	JX189688	JX189374	JX190147	JX189846	JX189604	JX189992	NA	JX189072
11466	<i>Pomacanthus zonipectus</i>	JX188914	JX188748	JX189689	JX189375	JX190148	JX189847	JX189605	JX189993	NA	JX189073
T505	<i>Congrogadus subducens</i>	JX188915	JX188749	JX189690	JX189376	JX190149	JX189848	JX189606	JX189994	JX189230	JX189074
12089	<i>Pseudochromis Fridmani</i>	JX188916	JX188750	JX189691	JX189377	JX190150	JX189849	JX189607	JX189995	JX189231	JX189075
12090	<i>Labracinus cyclophthalmus</i>	JX188917	JX188751	JX189692	JX189378	JX190151	JX189850	JX189608	JX189996	JX189232	JX189076
L1161	<i>Ogilbynia novaehollandiae</i>	JX188918	JX188752	JX189693	JX189379	JX190152	JX189851	JX189609	JX189997	JX189233	JX189077
L1162	<i>Pholidochromis cerasiae</i>	JX188919	JX188753	JX189694	JX189380	JX190153	JX189852	JX189610	JX189998	JX189234	JX189078
515	<i>Aplodinotus grunniens</i>	JX188920	JX188754	JX189695	JX189381	JX190154	JX189853	JX189611	JX189999	JX189235	JX189079
11460	<i>Leiostomus xanthurus</i>	JX188921	JX188755	JX189696	JX189382	JX190155	JX189854	JX189612	JX190000	JX189236	JX189080
11455	<i>Menticirrhus littoralis</i>	JX188922	JX188756	JX189697	JX189383	JX190156	JX189855	JX189613	JX190001	JX189237	JX189081
12559	<i>Cephalopholis argus</i>	JX188923	JX188757	JX189698	JX189384	JX190157	JX189856	NA	JX190002	JX189238	JX189082
11472	<i>Hypoplecterus puella</i>	JX188924	JX188758	JX189699	JX189385	JX190158	JX189857	NA	NA	JX189239	JX189083
11502	<i>Mycteroperca microlepis</i>	JX188925	JX188759	JX189700	JX189386	JX190159	JX189858	JX189614	JX190003	JX189240	JX189084
11485	<i>Paralabrax nebulifer</i>	JX188926	JX188760	JX189701	JX189387	JX190160	JX189859	JX189615	JX190004	JX189241	JX189085
12576	<i>Pseudanthias pascualis</i>	JX188927	JX188761	JX189702	JX189388	JX190161	JX189860	JX189616	JX190005	JX189242	JX189086
16178	<i>Rypticus saponaceus</i>	JX188928	JX188762	JX189703	JX189389	JX190162	JX189861	JX189617	JX190006	JX189243	JX189087
11522	<i>Serranus tigrinus</i>	JX188929	JX188763	JX189704	JX189390	JX190163	JX189862	NA	JX190007	JX189244	JX189088
14561	<i>Hemanthias aureorubens</i>	JX188930	JX188764	JX189705	JX189391	JX190164	JX189863	JX189618	JX190008	NA	JX189089
407	<i>Lagodon rhomboides</i>	JX188931	JX188765	JX189706	JX189392	JX190165	JX189864	JX189619	NA	JX189245	JX189090
11062	<i>Stenotomus chrysops</i>	JX188932	JX188766	JX189707	JX189393	JX190166	JX189865	JX189620	NA	JX189246	JX189091
13570	<i>Toxotes jaculatrix</i>	JX188933	JX188767	JX189708	JX189394	JX190167	JX189866	JX189621	NA	JX189247	JX189092
T511	<i>Cichla temensis</i>	JX188934	JX188768	JQ352849	JQ352894	JX190168	JQ353048	JX189622	JQ353117	JX189248	JQ353157
12081	<i>Etroplus maculatus</i>	JX188935	JX188769	JX189709	JX189395	JX190169	JX189867	JX189623	JX190009	JX189249	JX189093
Genbank	<i>Herichthys cyanoguttatus</i>	EU002020	EU002049	EU001910	EU002103	EU001964	NA	EU002074	EU002130	EU001991	EU001875

3249	<i>Heros efasciatus</i>	JX188936	JX188770	JQ352850	JQ352895	JX190170	JQ353049	JX189624	JQ353118	JX189250	JQ353158
T520	<i>Heterochromis multidens</i>	JX188937	JX188771	JX189710	JX189396	JX190171	JX189868	JX189625	JX190010	JX189251	JX189094
Genbank	<i>Oreochromis niloticus</i>	EF032980	EF032993	EF032928	EF033019	EF032954	NA	EF033006	EF033032	EF032967	EF032915
12082	<i>Paratilapia polleni</i>	JX188938	JX188772	JX189711	JX189397	JX190172	JX189869	JX189460	JX190011	JX189252	JX189095
T501	<i>Paretroplus maculatus</i>	JX188939	JX188773	JX189712	JX189398	JX190173	JX189870	JX189461	JX190012	JX189253	JX189096
T521	<i>Ptychochromis grandidieri</i>	JX188940	JX188774	JX189713	JX189399	JX190174	JX189871	JX189462	JX190013	JX189254	JX189097
1055	<i>Cymatogaster aggregata</i>	JX188941	NA	JX189714	JX189400	JX190175	JX189872	JX189463	JX190014	JX189255	JX189098
11438	<i>Rhacochilus vacca</i>	JX188942	JX188775	JX189715	JX189401	JX190176	JX189873	JX189464	JX190015	JX189256	JX189099
11437	<i>Embiotoca jacksoni</i>	JX188943	JX188776	JX189716	JX189402	JX190177	JX189874	JX189465	JX190016	JX189257	JX189100
11440	<i>Embiotoca lateralis</i>	JX188944	NA	JX189717	JX189403	JX190178	JX189875	JX189466	JX190017	JX189258	JX189101
11511	<i>Hyperprosopon argenteum</i>	JX188945	JX188777	JX189718	JX189404	JX190179	JX189876	JX189467	JX190018	JX189259	JX189102
11446	<i>Phanerodon furcatus</i>	JX188946	NA	JX189719	JX189405	JX190180	JX189877	JX189468	JX190019	JX189260	JX189103
11430	<i>Bodianus rufus</i>	JX188947	JX188778	JQ352851	JQ352896	JX190181	JQ353050	NA	JQ353119	JX189261	JQ353159
12638	<i>Chlorurus sordidus</i>	JX188948	JX188779	JX189720	NA	JX190182	JX189878	JX189469	JX190020	JX189262	JX189104
17720	<i>Clepticus parrae</i>	JX188949	NA	JX189721	JX189406	JX190183	JX189879	JX189470	JX190021	JX189263	JX189105
12599	<i>Coris batuensis</i>	JX188950	NA	JX189722	NA	JX190184	NA	JX189471	JX190022	NA	JX189106
11526	<i>Coris gaimard</i>	JX188951	JX188780	JX189723	JX189407	JX190185	JX189880	JX189472	JX190023	NA	JX189107
12456	<i>Diproctacanthus xanthurus</i>	JX188952	JX188781	JX189724	NA	JX190186	JX189881	JX189473	JX190024	NA	JX189108
12644	<i>Epibulus brevis</i>	JX188953	JX188782	JX189725	JX189408	JX190187	JX189882	JX189474	JX190025	JX189264	JX189109
12503	<i>Gomphosus insidiator</i>	JX188954	JX188783	JX189726	NA	JX190188	JX189883	JX189475	NA	NA	JX189110
12648	<i>Gomphosus varius</i>	JX188955	JX188784	JX189727	JX189409	JX190189	JX189884	JX189476	JX190026	JX189265	NA
11197	<i>Halichoeres bivittatus</i>	JX188956	JX188785	JX189728	JX189410	JX190190	JX189885	JX189477	JX190027	JX189266	JX189111
12572	<i>Halichoeres margaritaceus</i>	JX188957	NA	JX189729	NA	JX190191	NA	JX189478	JX190028	JX189267	JX189112
12600	<i>Labrichthys unilineatus</i>	JX188958	JX188786	JX189730	NA	JX190192	JX189886	JX189479	JX190029	JX189268	JX189113
17937	<i>Labropsis australis</i>	JX188959	JX188787	JX189731	NA	JX190193	JX189887	JX189480	JX190030	JX189269	JX189114
T640	<i>Lachnolaimus maximus</i>	JX188960	JX188788	JX189732	JX189411	JX190194	NA	JX189481	JX190031	NA	JX189115
12642	<i>Oxycheilinus celibecus</i>	JX188961	JX188789	JX189733	NA	JX190195	JX189888	JX189482	JX190032	JX189270	JX189116
17704	<i>Oxyjulis californicus</i>	JX188962	JX188790	NA	NA	JX190196	JX189889	JX189483	JX190033	NA	JX189117
12653	<i>Pterogogus enneacanthus</i>	JX188963	JX188791	JX189734	JX189412	JX190197	JX189890	JX189484	JX190034	JX189271	JX189118
11507	<i>Tautoga onitis</i>	JX188964	NA	JX189735	NA	JX190198	JX189891	JX189485	JX190035	JX189272	JX189119
13655	<i>Tautogolabrus adspersus</i>	JX188965	NA	JX189736	NA	JX190199	JX189892	JX189486	JX190036	JX189273	JX189120
11497	<i>Xyrichtys martinicensis</i>	JX188966	JX188792	JX189737	JX189413	JX190200	JX189893	JX189487	JX190037	JX189274	JX189121
T792	<i>Haletia semifasciata</i>	JX188967	JX188793	JX189738	JX189414	NA	JX189894	JX189488	JX190038	JX189275	NA
16201	<i>Abudefduf saxatilis</i>	JX188968	JX188794	NA	JX189415	JX190201	JX189895	JX189489	NA	JX189276	JX189122
11489	<i>Chromis cyanea</i>	JX188969	JX188795	NA	JX189416	JX190202	JX189896	JX189490	JX190039	JX189277	JX189123
11481	<i>Microspathodon bairdii</i>	JX188970	JX188796	JX189739	JX189417	JX190203	JX189897	JX189491	JX190040	JX189278	JX189124
16177	<i>Stegastes leucostictus</i>	JX188971	JX188797	JX189740	JX189418	JX190204	JX189898	JX189492	JX190041	JX189279	JX189125
T507	<i>Cetoscarus bicolor</i>	JX188972	JX188798	JX189741	JX189419	JX190205	JX189899	JX189493	JX190042	JX189280	JX189126
13860	<i>Anarhichas lupus</i>	JX188973	JX188799	JX189742	JX189420	JX190206	JX189900	JX189494	JX190043	JX189281	JX189127
12682	<i>Pholis crassispina</i>	JX188974	JX188800	JX189743	JX189421	JX190207	JX189901	JX189495	JX190044	JX189282	JX189128
Genbank	<i>Lycodes terraenovae</i>	EF032983	EF032996	EF032931	EF033022	EF032957	NA	EF033009	EF033035	EF032970	EF032918
3928	<i>Dissostichus eleginoides</i>	JX188975	JX188801	JN187040	JX189422	JX190208	JX189902	JN186958	JX190045	JN186999	JN186822
4312	<i>Chionobathyscus dewitti</i>	JX188976	JX188802	HQ169802	JX189423	JX190209	JX189903	HQ170189	JX190046	HQ170248	HQ169682
14558	<i>Bembrops anatrostris</i>	JX188977	JX188803	NA	JX189424	JX190210	JX189904	JX189496	NA	JX189283	JX189129
1773	<i>Bembrops gobioides</i>	JX188978	JX188804	NA	JX189425	JX190211	JX189905	JX189497	NA	JX189284	JX189130
1765	<i>Parapercis clathrata</i>	NA	JX188805	JX189744	JX189426	JX190212	JX189906	JX189498	NA	JX189285	JX189131
1752	<i>Astroscopus y-graecum</i>	JX188979	JX188806	JX189745	JX189427	JX190213	JX189907	JX189499	JX190047	JX189286	JX189132
1762	<i>Kathetostoma averruncus</i>	JX188980	JX188807	JX189746	JX189428	JX190214	JX189908	JX189500	NA	JX189287	JX189133
11546	<i>Pholidichthys leucotaenia</i>	JX188981	JX188808	JX189747	JX189429	JX190215	JX189909	JX189501	JX190048	NA	JX189134
12593	<i>Meiacanthus grammistes</i>	JX188982	JX188809	JX189748	JX189430	JX190216	JX189910	JX189502	JX190049	JX189288	JX189135
1755	<i>Ophiblennius atlanticus</i>	JX188983	JX188810	JX189749	JX189431	JX190217	JX189911	JX189503	JX190050	JX189289	JX189136
T502	<i>Chaenopsis alepidota</i>	NA	JX188811	JX189750	JX189432	JX190218	JX189912	JX189504	NA	JX189290	JX189137
T518	<i>Gillellus semicinctus</i>	NA	NA	JX189751	JX189433	JX190219	JX189913	JX189505	NA	JX189291	JX189138
T508	<i>Labrisomus multiporosus</i>	NA	JX188812	JX189752	JX189434	JX190220	JX189914	JX189506	JX190051	JX189292	JX189139
18112	<i>Idosteus aenigmaticus</i>	JX188984	NA	JX189753	JX189435	NA	NA	JX189507	NA	JX189293	JX189140
11521	<i>Diademichthys lineatus</i>	JX188985	JX188813	JX189754	JX189436	JX190221	JX189915	JX189508	JX190052	JX189294	JX189141
17736	<i>Gobiesox maeandricus</i>	JX188986	JX188814	JX189755	JX189437	NA	JX189916	JX189509	JX190053	NA	JX189142
T519	<i>Odontobutis potamophila</i>	JX188987	JX188815	JX189756	JX189438	JX190222	NA	JX189510	JX190054	NA	JX189143

11218	<i>Percottus glenni</i>	JX188988	JX188816	JX189757	JX189439	JX190223	JX189917	JX189511	JX190055	NA	JX189144
11222	<i>Eleotris pisonis</i>	JX188989	JX188817	JX189758	JX189440	JX190224	JX189918	JX189512	JX190056	NA	JX189145
11473	<i>Acanthurus bahianus</i>	JX188990	JX188818	JX189759	JX189441	JX190225	JX189919	JX189513	JX190057	JX189295	JX189146
11529	<i>Ctenochaetus strigosus</i>	JX188991	JX188819	JX189760	JX189442	JX190226	JX189920	JX189514	JX190058	JX189296	JX189147
13565	<i>Scatophagus argus</i>	JX188992	JX188820	JX189761	JX189443	JX190227	JX189921	JX189515	JX190059	JX189297	JX189148
18109	<i>Ruvettus pretiosus</i>	JX188993	JX188821	JX189762	JX189444	JX190228	JX189922	JX189516	JX190060	JX189298	JX189149
1775	<i>Sarda sarda</i>	JX188994	JX188822	JX189763	JX189445	JX190229	JX189923	JX189517	JX190061	JX189299	JX189150
418	<i>Trichiurus lepturus</i>	JX188995	JX188823	JX189764	JX189446	JX190230	JX189924	NA	NA	NA	NA
18119	<i>Cubiceps baxteri</i>	JX188996	JX188824	JX189765	JX189447	JX190231	JX189925	JX189518	JX190062	JX189300	JX189151
14492	<i>Microctenopoma nanum</i>	JX188997	JX188825	JX189766	JX189448	JX190232	JX189926	JX189519	JX190063	JX189301	JX189152
14490	<i>Ctenopoma kingsleyae</i>	JX188998	JX188826	JX189767	JX189449	NA	JX189927	JX189520	JX190064	JX189302	JX189153
T512	<i>Betta splendens</i>	JX188999	JX188827	JX189768	NA	JX190233	JX189928	NA	NA	JX189303	JX189154
11261	<i>Channa striata</i>	JX189000	JX188828	JX189769	JX189450	JX190234	JX189929	JX189521	JX190065	JX189304	JX189155
11073	<i>Paralichthys dentatus</i>	JX189001	JX188829	JX189770	JX189451	JX190235	JX189930	JX189522	JX190066	NA	JX189156
Genbank	<i>Pleuronectes platessa</i>	NA	EU002065	EU001930	EU002116	EU001985	NA	EU002091	EU002148	EU002008	EU001897
13862	<i>Pseudopleuronectes americanus</i>	JX189002	JX188830	JX189771	JX189452	JX190236	JX189931	JX189523	JX190067	JX189305	JX189157
11069	<i>Scophthalmus aquosus</i>	JX189003	JX188831	JX189772	JX189453	JX190237	JX189932	JX189524	JX190068	NA	NA
11503	<i>Chilomycterus schoepfii</i>	JX189004	JX188832	JX189773	JX189454	JX190238	JX189933	JX189525	JX190069	JX189306	JX189158
11512	<i>Diodon holocanthus</i>	JX189005	JX188833	JX189774	JX189455	JX190239	JX189934	JX189526	JX190070	JX189307	JX189159
11509	<i>Ostracion cubicus</i>	JX189006	JX188834	JX189775	JX189456	JX190240	JX189935	JX189527	NA	JX189308	JX189160
16207	<i>Rhinesomus triqueter</i>	JX189007	JX188835	JX189776	JX189457	JX190241	JX189936	JX189528	JX190071	JX189309	JX189161
13719	<i>Triacanthodes anomalus</i>	JX189008	JX188836	JX189777	JX189458	JX190242	JX189937	JX189529	JX190072	JX189310	JX189162