CHAPTER 3



Ichthyofaunal Diversity of India

INTRODUCTION

Indian fisheries have a great history, appearing with Kautilya's Arthasastra describing fish as a source for consumption and provide manifest that fishery was a well-established industry in India and fish was relished as an article of diet as early as 300 B.C, the ancient Hindus acquired significant knowledge on the habit of fishes and the epic on the second pillar of Emperor Ashoka enacting the prohibition of consumption of fish during a certain lunar period which can be interpreted as a conservation point of view. Modern scientific studies on Indian fishes could be traced to the first works by Linnaeus, Bloch and Schneider, Lacepède, Russell and Hamilton. Cuvier and Valenciennes (1828-1849) reported 70 nominal species off Puducherry, Skyes (1839), Gunther (1860, 1872, 1880) and The Fishes of India by Francis' day (1865-1877) and another book Fauna of British India Series in two volumes (1889) describing 1,418 species are the two most fundamental works on Indian fish taxonomy to date. Alcock (1889, 1890) reported 162 species new to science from Indian waters.

In the 20th century, the basis of comprehensive investigations on the various families and groups of freshwater fishes was made by Chaudhuri along with Hora and his co-workers. Misra published An Aid to Identification of the Commercial Fishes of India and Pakistan and The Fauna of India and Adjacent Countries (Pisces) in 1976. Jones and Kumaran described about 600 species of fishes in the work Fishes of Laccadive Archipelago. Talwar and Kacker presented a precise description of 548 species under 89 families in his work Commercial Sea Fishes of India. The FAO Species Identification Sheets for Fishery- Western Indian Ocean (Fischer and Bianchi) is yet a valuable guide for researchers. Recently, Talwar and Jhingran published report on 930 inland species of India recognized till date.

The elasmobranchs consist of sharks, saw fishes, rays, skates and guitar fishes. They are fished handling various types of gears and in later years have taken up considerable influence in the export market. They are utilized by a diversity of fishing gears like gill nets, long lines and trawls along the Indian coast by both traditional and mechanized sector (Raje et al. 2002). Even though there is no directed fishing for elasmobranchs in certain places of Tamilnadu, large meshed bottom set gillnets called as 'thirukkuvalai' are operated for fishing the rays. They are all predatory feeding on wide range, from zooplankton to benthic invertebrates, bony fishes, sharks, turtles, seabirds and marine mammals (Joshi, 2012). In India, we have recorded out about 110 species of elasmobranch, which comprises 66 species of sharks and 44 species of batoides. Later description of new records and new species may bring to this sum to about 150-170 species from Indian coast only. Whale shark is massive, slow, pelagic filter-feeder, usually

Sustainable 1 isheries Management 3gil 05 25, 2022 at ONI NI, North Walnut

known swimming on the surface. Viviparous and gravid female have 300 new ones of several stages of development.

SPECIES RICHNESS

Of the 33,059 all fish species from the world, India supports of about 2443 marine fishes owing to 7.4% of the total marine fish resources. Of the overall fish diversity known from India, the marine fishes make up 75.6 percent, containing 2443 species belonging to 927 genera, under 230 families of 40 orders. By revising the new descriptions and additions, the overall number of fish species of India was of the tune of 2492 species belonging to 941 orders, 240 families. Among the fish diversity-rich areas in the marine waters of India, the Andaman and Nicobar archipelago exhibits the highest number of species, 1431, followed by the east coast of India with 1121 species and the west coast with 1071. A list of 1785 species is prepared based on the data of Fish Base, FAO species identification sheets of Western Indian Ocean Area 51 and Eastern Indian Ocean Area 57 (Table 1). We recognize since 91 species of endemic marine fishes to exist in the coastal waters of India. As of now, about 50 marine fishes known from India fall into the vulnerable category as per the IUCN Red List, and about 45 species are Near-Threatened and on the track to vulnerability. But, hardly this species (10 elasmobranchs, 10 seahorses and one grouper) are listed in Schedule I of the Wildlife (Protection) Act, 1972 of the Government of India

Recent analysis shows that 18 resource groups fall under abundant category, five occur under less abundant category and one each fall under declining, depleted and collapsed category. The 18 stocks resource groups under the abundant category or less abundant category showing a good condition of their stock. The less abundant category includes elasmobranchs, threadfins, ribbon fishes, mullets and flat fishes. Big-jawed jumper under the declining category flying fishes under depleted and unicorn cod is in the collapsed category. While certain stocks such as those of Mackerel, Lesser Sardines, White bait, Seer fish, Coastal and oceanic tunas, Croakers, Pig face breams, Groupers, Snappers, Cat fish, Lizard fish, Silver bellies and Goat fishes are exploited all along the Indian coast. Bombay duck is caught mainly along the Gujarat and Maharashtra coast and, to a lesser extent, along certain pockets of Andhra, Orissa and West Bengal coasts. Hilsa is harvested mainly along the West Bengal coast and Gujarat coast.

CONCLUSION

The exploited marine fisheries resources from the coastal area have been reached a maximum from the present fishing grounds up to 200 m depth. The coastal fisheries face several threats such as indiscriminate fishing, habitat degradation, pollution, social conflicts, introduction of highly sophisticated fishing gadgets, need management measures and conservation of marine biodiversity to support sustainable use of marine biodiversity. Human activities are the major causes for losing biodiversity and degradation of marine habitats, which need immediate attention and comprehensive action plan to conserve the biodiversity for living harmony with nature. These measures such as control of excess fleet size, control of the gears, purse seines, ring seines, disco-nets, regulation of mesh size, avoid habitat degradation of nursery areas of that species, reduce the discards of the low value fish, protection of spawners, implementation of reference points and notification of marine reserves for protection and conservation of marine biodiversity.

Table 1. List fish species reported from India (Based on the species data of Fish Base, FAO Species Identification sheets of area 51 &57)

	Species
1	Abalistes stellaris
2	Ablennes hians
3	Abudefduf bengalensis
4	Abudefduf saxatilis
5	Abudefduf septemfasciatus
6	Abudefduf sexfasciatus
7	Abudefduf sordidus
8	Abudefduf vaigiensis
9	Acanthocepola indica
10	Acanthocybium solandri
11	Acanthopagrus arabicus
12	Acanthopagrus berda
13	Acanthopagrus bifasciatus
14	Acanthopagrus longispinnis
15	Acanthoplesiops indicus
16	Acanthosphex leurynnis
17	Acanthurus gahhm
18	Acanthurus leucosternon
19	Acanthurus lineatus
20	Acanthurus mata
21	Acanthurus nigricans
22	Acanthurus nigrofuscus
23	Acanthurus nigroris
24	Acanthurus pyroferus
25	Acanthurus tennentii
26	Acanthurus thompsoni
27	Acanthurus triostegus
28	Acanthurus xanthopterus
29	Acentrogobius caninus
30	Acentrogobius cyanomos

31	Acentrogobius ennorensis
32	Acentrogobius griseus
33	Acentrogobius masoni
34	Acentrogobius
	viridipunctatus
35	Acreichthys tomentosus
36	Acropoma japonicum
37	Aesopia cornuta
38	Aethaloperca rogaa
39	Aetobatus flagellum
40	Aetobatus narinari
41	Aetobatus ocellatus
42	Aetomylaeus maculatus
43	Aetomylaeus milvus
44	Aetomylaeus nichofii
45	Albula oligolepis
46	Albula vulpes
47	Aldrovandia affinis
48	Aldrovandia mediorostris
49	Aldrovandia phalacra
50	Alectis ciliaris
51	Alectis indica
52	Alepes djedaba
53	Alepes kleinii
54	Alepes melanoptera
55	Alepes vari
56	Alepisaurus ferox
57	Allenbatrachus grunniens
58	Alopias pelagicus
59	Alopias superciliosus
60	Alopias vulpinus
61	Alticus kirkii
62	Aluterus monoceros
63	Aluterus scriptus
64	Ambassis ambassis

65	Ambassis dussumieri
66	Ambassis gymnocephalus
67	Ambassis interrupta
68	Ambassis kopsii
69	Ambassis macracanthus
70	Ambassis miops
71	Ambassis nalua
72	Ambassis urotaenia
73	Amblyeleotris gymnocephala
74	Amblygaster clupeoides
75	Amblygaster leiogaster
76	Amblygaster sirm
77	Amblygobius albimaculatus
78	Amblyotrypauchen arctocephalus
79	Amoya madraspatensis
80	Amoya veliensis
81	Amphiprion bicinctus
82	Amphiprion chrysogaster
83	Amphiprion clarkii
84	Amphiprion ephippium
85	Amphiprion frenatus
86	Amphiprion nigripes
87	Amphiprion ocellaris
88	Amphiprion percula
89	Amphiprion polymnus
90	Amphiprion sebae
91	Anacanthus barbatus
92	Anampses caeruleopunctatus
93	Anampses meleagrides
94	Anarchias allardicei

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95	Anarchias cantonensis
96	Andamia reyi
97	Anguilla bengalensis
98	Anguilla bicolor
99	Anodontostoma chacunda
100	Anodontostoma selangkat
101	Anodontostoma thailandiae
102	Anoxypristis cuspidata
103	Antennablennius bifilum
104	Antennarius hispidus
105	Antennarius indicus
106	Antennarius pictus
107	Antennarius striatus
108	Antennatus coccineus
109	Antennatus nummifer
110	Antigonia indica
111	Antigonia rubescens
112	Anyperodon leucogrammicus
113	Aphanius dispar dispar
114	Aphareus furca
115	Aphareus rutilans
116	Apistus carinatus
117	Apocryptes bato
118	Apogon coccineus
119	Apogonichthyoides taeniatus
120	Apogonichthys ocellatus
121	Apolemichthys xanthurus
122	Aporops bilinearis
123	Aprion virescens
124	Apristurus investigatoris
125	Apsilus fuscus
126	Archamia bleekeri
127	Argyrops spinifer
128	Argyrosomus amoyensis
129	Argyrosomus hololepidotus
130	Argyrosomus japonicus
131	Ariomma indicum
132	Ariosoma anago
133	Arius arius
134	Arius gagora
135	Arius jella
136	Arius maculatus
137	Arius malabaricus

138	Arius subrostratus
139	Arius sumatranus
140	Arius venosus
141	Arnoglossus aspilos
142	Arnoglossus tapeinosoma
143	Arothron hispidus
144	Arothron immaculatus
145	Arothron leopardus
146	Arothron meleagris
147	Arothron nigropunctatus
148	Arothron reticularis
149	Arothron stellatus
150	Aspidontus tractus
151	Asterorhombus cocosensis
152	Asterropteryx semipunctata
153	Atelomycterus marmoratus
154	Atherinomorus duodecimalis
155	Atherinomorus lacunosus
156	Atherinomorus pinguis
157	Atherion africanum
158	Atrobucca alcocki
159	Atrobucca antonbruun
160	Atrobucca nibe
161	Atrobucca trewavasae
162	Atropus atropos
163	Atule mate
164	Aulacocephalus temminckii
165	Aulastomatomorpha
	phospherops
166	Aulostomus chinensis
167	Aurigequula fasciata
168	Auxis rochei
169	Auxis thazard
170	Awaous fluviatilis
171	Bahaba chaptis
172	Balistapus undulatus
173	Balistes ellioti
174	Balistes rotundatus
175	Balistes vetula
176	Balistoides conspicillum
177	Balistoides viridescens
178	Bascanichthys deraniyagalai
179	Bascanichthys longipinnis

180	Bassozetus glutinosus
181	Bathycallionymus kaianus
182	Bathyclupea hoskynii
183	Bathygadus furvescens
184	Bathygobius cyclopterus
185	Bathygobius fuscus
186	Bathygobius niger
187	Bathygobius ostreicola
188	Bathygobius petrophilus
189	Bathygobius smithi
190	Bathymyrus echinorhynchus
191	Bathypterois atricolor
192	Bathypterois guentheri
193	Bathypterois insularum
194	Bathytroctes squamosus
195	Bathyuroconger vicinus
196	Batrachocephalus mino
197	Bembras japonica
198	Bembrops caudimacula
199	Bembrops platyrhynchus
200	Benthobatis moresbyi
201	Benthodesmus oligoradiatus
202	Benthodesmus tenuis
203	Beryx decadactylus
204	Beryx splendens
205	Bhanotia fasciolata
206	Bleekeria kallolepis
207	Bleekeria murtii
208	Blenniella leopardus
209	Blenniella periophthalmus
210	Bodianus neilli
211	Boleophthalmus boddarti
212	Boleophthalmus dussumieri
213	Boleophthalmus pectinirostris
214	Bolinichthys pyrsobolus
215	Bostrychus sinensis
216	Bothus leopardinus
217	Bothus mancus
218	Bothus myriaster
219	Bothus pantherinus
220	Brachirus macrolepis
221	Brachirus orientalis
222	Brachirus pan
223	Brachirus panoides
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rotula multibarbata
utis amboinensis
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ıtis koilomatodon
ıtis melanostigma
thaelurus hispidus
aecula pterygera
aesio caerulaurea
aesio cuning
aesio lunaris
nesio teres
aesio varilineata
aesio xanthonota
allechelys catostoma
allionymus carebares
allionymus erythraeus
allionymus filamentosus
allionymus fluviatilis
allionymus hindsii
allionymus japonicus
allionymus kotthausi
allionymus margaretae
allionymus marleyi
allionymus megastomus
allionymus sagitta
allionymus schaapii
allogobius hasseltii
allogobius seshaiyai
alotomus spinidens
alotomus viridescens
antherhines sandwichiensis
anthigaster amboinensis
anthigaster bennetti
anthigaster cyanospilota
anthigaster margaritata
aracanthus maculatus
aracanthus unipinna
arangoides armatus
arangoides chrysophrys
arangoides ciliarius

267	
267	Carangoides
268	coeruleopinnatus
269	Carangoides dinema
270	Carangoides ferdau
	Carangoides fulvoguttatus
271	Carangoides gymnostethus
272	Carangoides hedlandensis
273	Carangoides humerosus
274	Carangoides malabaricus
275	Carangoides oblongus
276	Carangoides orthogrammus
277	Carangoides plagiotaenia
278	Carangoides praeustus
279	Carangoides talamparoides
280	Caranx heberi
281	Caranx hippos
282	Caranx ignobilis
283	Caranx lugubris
284	Caranx melampygus
285	Caranx papuensis
286	Caranx sexfasciatus
287	Caranx tille
288	Carapus mourlani
289	Carcharhinus altimus
290	Carcharhinus
	amblyrhynchoides
291	Carcharhinus amboinensis
292	Carcharhinus brevipinna
293	Carcharhinus dussumieri
294	Carcharhinus falciformis
295	Carcharhinus hemiodon
296	Carcharhinus leucas
297	Carcharhinus limbatus
298	Carcharhinus longimanus
299	Carcharhinus macloti
300	Carcharhinus melanopterus
301	Carcharhinus sealei
302	Carcharhinus sorrah
303	Carcharias taurus
304	Carcharias tricuspidatus
305	Centriscus scutatus
306	Centroberyx spinosus
307	Centrobranchus andreae
308	Centrogenys vaigiensis
309	Centrophorus moluccensis
310	Centrophorus squamosus
311	Centropyge bicolor
312	Centropyge eibli

313	Centropyge flavipectoralis
314	Centropyge multispinis
315	Centroscyllium ornatum
316	Centroscymnus crepidater
317	Cephalocassis jatia
318	Cephalopholis argus
319	Cephalopholis aurantia
320	Cephalopholis boenak
321	Cephalopholis formosa
322	Cephalopholis leopardus
323	Cephalopholis miniata
324	Cephalopholis sexmaculata
325	Cephalopholis sonnerati
326	Cephalopholis urodeta
327	Cephalopsetta ventrocellatus
328	Cephaloscyllium silasi
329	Cephaloscyllium sufflans
330	Chaenogaleus macrostoma
331	Chaetodon andamanensis
332	Chaetodon auriga
333	Chaetodon bennetti
334	Chaetodon citrinellus
335	Chaetodon collare
336	Chaetodon decussatus
337	Chaetodon ephippium
338	Chaetodon falcula
339	Chaetodon gardineri
340	Chaetodon guttatissimus
341	Chaetodon interruptus
342	Chaetodon kleinii
343	Chaetodon lunula
344	Chaetodon melannotus
345	Chaetodon meyeri
346	Chaetodon octofasciatus
347	Chaetodon punctatofasciatus
348	Chaetodon speculum
349	Chaetodon trifascialis
350	Chaetodon trifasciatus
351	Chaetodon vagabundus
352	Chaetodon xanthocephalus
353	Chaetodontoplus
354	melanosoma
355	Chalixodytes tauensis
356	Champsodon capensis
356	Champsodon vorax
358	Chanos chanos
330	Chascanopsetta lugubris

359	Chauliodus pammelas
360	Chauliodus sloani
361	Chaunax penicillatus
362	Chaunax pictus
363	Cheilinus chlorourus
364	Cheilinus fasciatus
365	Cheilinus oxycephalus
366	Cheilinus trilobatus
367	Cheilinus undulatus
368	Cheilio inermis
369	Cheilodipterus arabicus
370	Cheilodipterus lachneri
371	Cheilodipterus
	quinquelineatus
372	Cheilopogon abei
373	Cheilopogon cyanopterus
374	Cheilopogon exsiliens
375	Cheilopogon furcatus
376	Cheilopogon intermedius
377	Cheilopogon nigricans
378	Cheilopogon spilopterus
379	Cheilopogon suttoni
380	Cheiloprion labiatus
381	Cheimerius nufar
382	Chelidoperca investigatoris
383	Chelidoperca maculicauda
384	Chelidoperca occipitalis
385	Chelmon rostratus
386	Chelon macrolepis
387	Chelon melinopterus
388	Chelon parsia
389	Chelon planiceps
390	Chelon subviridis
391	Chelonodon patoca
392	Chiloscyllium arabicum
393	Chiloscyllium griseum
394	Chiloscyllium indicum
395	Chiloscyllium plagiosum
396	Chiloscyllium punctatum
397	Chirocentrus dorab
398	Chirocentrus nudus
399	Chlorophthalmus agassizi
400	Chlorophthalmus corniger
401	Chlorurus enneacanthus
402	Chlorurus gibbus
403	Chlorurus oedema

404	Chlorurus sordidus
405	Choerodon anchorago
406	Choerodon robustus
407	Choeroichthys brachysoma
408	Choeroichthys sculptus
409	Choridactylus multibarbus
410	Chromis chrysura
411	Chromis dimidiata
412	Chromis opercularis
413	Chromis ternatensis
414	Chromis viridis
415	Chromis weberi
416	Chrysiptera biocellata
417	Chrysiptera brownriggii
418	Chrysiptera cyanea
419	Chrysiptera glauca
420	Chrysiptera unimaculata
421	Chrysochir aureus
422	Cirrhilabrus exquisitus
423	Cirrhitichthys aureus
424	Cirrhitichthys bleekeri
425	Cirrhitus pinnulatus
426	Cirripectes castaneus
427	Cirripectes filamentosus
428	Cirripectes perustus
429	Cirripectes polyzona
430	Cirripectes quagga
431	Cirripectes stigmaticus
432	Cirripectes variolosus
433	Cociella crocodilus
434	Cocotropus roseus
435	Coelorinchus flabellispinnis
436	Coelorinchus parallelus
437	Coilia dussumieri
438	Coilia grayii
439	Coilia neglecta
440	Coilia ramcarati
441	Coilia reynaldi
442	Colletteichthys dussumieri
443	Colletteichthys flavipinnis
444	Colletteichthys occidentalis
445	Coloconger raniceps
446	Conger cinereus
447	Congresox talabon
448	Congresox talabonoides
449	Congrogadus subducens
450	Corica soborna
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452 Coris cuvieri 453 Coris formosa 454 Coris gaimard 455 Coryphaena equiselis 456 Coryphaena hippurus 457 Coryphaenoides hextii 458 Coryphaenoides macrolophus 459 Coryphaenoides macrolophus 450 Coryphaenoides macrolophus 451 Coryphaenoides macrolophus 452 Crenidens crenidens 453 Crenimugil crenilabis 464 Cromileptes altivelis 465 Crossorhombus 466 Ctenochaetus striatus 467 Ctenochaetus striatus 468 Ctenochaetus striatus 469 Ctenogobiops crocineus 470 Cubiceps whiteleggii 471 Cyclichthys orbicularis 472 Cyclichthys spilostylus 473 Cyclothone microdon 474 Cyclothone signata 475 Cymolutes lecluse 476 Cynoglossus arel 477 Cynoglossus carpenteri 478 Cynoglossus carpenteri 479 Cynoglossus dubius 480 Cynoglossus dubius 481 Cynoglossus dubius 482 Cynoglossus lingua 483 Cynoglossus lingua 484 Cynoglossus lingua 485 Cynoglossus macrostomus 486 Cynoglossus macrostomus 487 Cynoglossus macrostomus 488 Cynoglossus macrostomus 489 Cynoglossus puncticeps 490 Cynoglossus semifasciatus 491 Cypselurus naresii 492 Cypselurus oligolepis 493 Cyttopsis rosea 494 Dactyloptena gilberti	451	
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493 Cyttopsis rosea	491	Cypselurus naresii
Cyttopsis roseu		Cypselurus oligolepis
494 Dactyloptena gilberti		Cyttopsis rosea
	494	Dactyloptena gilberti

495	Dactyloptena macracantha
496	Dactyloptena orientalis
497	Dactyloptena peterseni
498	Dascyllus aruanus
499	Dascyllus reticulatus
500	Dascyllus trimaculatus
501	Dasyatis bennettii
502	Dasyatis microps
503	Dasyatis pastinaca
504	Dasyatis zugei
505	Dayella malabarica
506	Daysciaena albida
507	Deania profundorum
508	Decapterus macarellus
509	Decapterus macrosoma
510	Decapterus russelli
511	Dendrochirus brachypterus
512	Dendrophysa russelii
513	Dermogenys
	brachynotopterus
514	Dermogenys pusilla
515	Desmodema polystictum
516	Diagramma pictum
517	Diaphus luetkeni
518	Diaphus splendidus
519	Dibranchus nasutus
520	Diceratias bispinosus
521	Dicrolene introniger
522	Dinematichthys
	iluocoeteoides
523	Diodon holocanthus
524	Diodon hystrix
525	Diplodus noct
526	Diplodus sargus kotschyi
527	Diploprion bifasciatum
528	Dipterygonotus balteatus
529	Dipturus johannisdavisi
530	Dischistodus perspicillatus
531	Dischistodus prosopotaenia
532	Doryrhamphus excisus
	excisus
533	Drepane longimana
534	Drepane punctata
535	Drombus dentifer
536	Drombus globiceps
537	Dussumieria acuta
538	Dussumieria elopsoides

540	Echeneis naucrates
541	Echidna delicatula
542	Echidna leucotaenia
543	Echidna nebulosa
544	Echidna polyzona
545	Echinorhinus brucus
546	Ecsenius midas
547	Ecsenius pulcher
548	Egglestonichthys
	melanoptera
549	Ehirava fluviatilis
550	Elagatis bipinnulata
551	Eleotris fusca
552	Eleotris lutea
553	Eleotris melanosoma
554	Eleutherochir opercularis
555	
222	Eleutheronema
556	tetradactylum
557	Ellochelon vaigiensis
558	Elops machnata
559	Encheliophis boraborensis
560	Encheliophis gracilis
	Encheliophis homei
561	Enchelybrotula paucidens
562	Enchelynassa canina
563	Enchelyurus kraussii
564	Encrasicholina devisi
565	Encrasicholina heteroloba
566	Encrasicholina punctifer
567	Engyprosopon grandisquama
568	Enneapterygius elegans
569	Enneapterygius fasciatus
570	Enneapterygius pusillus
571	Entomacrodus striatus
572	Entomacrodus vermiculatus
573	Ephippus orbis
574	Epibulus insidiator
575	Epinephelus areolatus
576	Epinephelus bleekeri
577	Epinephelus chabaudi
578	Epinephelus chlorostigma
579	Epinephelus
	coeruleopunctatus
580	Epinephelus coioides
581	Epinephelus corallicola
582	Epinephelus diacanthus
583	Epinephelus epistictus
584	
	Epinephelus erythrurus

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Epinephelus fasciatus

586	Epinephelus faveatus
587	Epinephelus flavocaeruleus
588	Epinephelus fuscoguttatus
589	Epinephelus hexagonatus
590	Epinephelus lanceolatus
591	Epinephelus latifasciatus
592	Epinephelus longispinis
593	Epinephelus macrospilos
594	Epinephelus maculatus
595	Epinephelus malabaricus
596	Epinephelus marginatus
597	Epinephelus melanostigma
598	Epinephelus merra
599	Epinephelus morrhua
600	Epinephelus poecilonotus
601	Epinephelus polylepis
602	Epinephelus polyphekadion
603	Epinephelus quoyanus
604	Epinephelus radiatus
605	Epinephelus rivulatus
606	Epinephelus spilotoceps
607	Epinephelus stoliczkae
608	Epinephelus summana
609	Epinephelus tauvina
610	Epinephelus tukula
611	Epinephelus undulosus
612	Epinnula magistralis
613	Equulites elongatus
614	Equulites leuciscus
615	Equulites lineolatus
616	Eridacnis radcliffei
617	Erythrocles acarina
618	Escualosa thoracata
619	Etelis carbunculus
620	Etelis coruscans
621	Etelis radiosus
622	Etmopterus pusillus
623	Eubleekeria jonesi
624	Eubleekeria rapsoni
625	Eubleekeria splendens
626	Eugnathogobius mas
627	Euleptorhamphus viridis
628	Eumecichthys fiski
629	Eupleurogrammus glossodon
630	Eupleurogrammus muticus
631	Eurypegasus draconis
632	Eusphyra blochii
633	Eusurculus andamanensis

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634	Euthynnus affinis
635	Eviota distigma
636	Exallias brevis
637	Exocoetus monocirrhus
638	Exocoetus volitans
639	Exyrias puntang
640	Favonigobius reichei
641	Fenestraja mamillidens
642	Fibramia thermalis
643	Filimanus heptadactyla
644	Filimanus similis
645	Filimanus xanthonema
646	Fistularia petimba
647	Foa brachygramma
648	Forcipiger longirostris
649	Fowleria aurita
650	Fusigobius neophytus
651	Gadomus multifilis
652	Galeocerdo cuvier
653	Gazza achlamys
654	Gazza minuta
655	Gazza rhombea
656	Gempylus serpens
657	Gerres erythrourus
658	Gerres filamentosus
659	Gerres infasciatus
660	Gerres limbatus
661	Gerres longirostris
662	Gerres macracanthus
663	Gerres oblongus
664	Gerres oyena
665	Gerres phaiya
666	Gerres setifer
667	Giuris margaritacea
668	Glaucostegus granulatus
669	Glaucostegus halavi
670	Glaucostegus typus
671	Glossogobius giuris
672	Glossogobius kokius
673	Glossogobius minutus
674	Glyphis gangeticus
675	Glyptophidium argenteum
676	Gnathanodon speciosus
677	Gnathodentex aureolineatus
678	Gnatholepis cauerensis
679	Gobiodon citrinus
680	Gobiodon rivulatus
681	Gobiopsis canalis

607	
682	Gobiopsis macrostoma
683	Gobiopsis woodsi
684	Gobiopterus smithi
685	Gobius bontii
686	Gomphosus caeruleus
687	Gomphosus varius
688	Gorgasia maculata
689	Grammatobothus
	polyophthalmus
690	Grammatorcynus bicarinatus
691	Grammistes sexlineatus
692	Grammoplites scaber
693	Grammoplites suppositus
694	Gymnapogon africanus
695	Gymnocaesio gymnoptera
696	Gymnocranius elongatus
697	Gymnocranius grandoculis
***	-
698	Gymnocranius griseus
699	Gymnomuraena zebra
700	Gymnosarda unicolor
701	Gymnothorax afer
702	Gymnothorax buroensis
703	Gymnothorax enigmaticus
704	Gymnothorax favagineus
705	Gymnothorax fimbriatus
706	Gymnothorax
	flavimarginatus
707	Gymnothorax hepaticus
708	Gymnothorax javanicus
709	Gymnothorax meleagris
710	Gymnothorax monochrous
711	Gymnothorax monostigma
712	Gymnothorax pictus
713	Gymnothorax
	pseudothyrsoideus
714	Gymnothorax
	punctatofasciatus
715	Gymnothorax punctatus
716	Gymnothorax randalli
717	Gymnothorax reticularis
718	Gymnothorax richardsonii
719	Gymnothorax rueppelliae
720	Gymnothorax thyrsoideus
721	Gymnothorax tile
722	Gymnothorax undulatus
723	Gymnura japonica
724	Gymnura micrura
725	•
	Gymnura poecilura

726	Gymnura tentaculata
727	Gymnura zonura
728	Halaelurus buergeri
729	Halaelurus quagga
730	Halichoeres argus
731	Halichoeres cosmetus
732	Halichoeres hortulanus
733	Halichoeres leucoxanthus
734	Halichoeres marginatus
735	Halichoeres nebulosus
736	Halichoeres nigrescens
737	Halichoeres
	pardaleocephalus
738	Halichoeres scapularis
739	Halichoeres timorensis
740	Halichoeres zeylonicus
741	Halicmetus ruber
742	Halidesmus thomaseni
743	Halieutaea coccinea
744	Halieutaea indica
745	Halieutaea stellata
746	Halosaurus carinicauda
747	Hapalogenys bengalensis
748	Haptogenys bipunctata
749	Harpadon nehereus
750	Harpadon squamosus
751	Harpadon translucens
752	Helcogramma ellioti
753	Helcogramma gymnauchen
754	Helcogramma shinglensis
755	Helcogramma trigloides
756	Helotes sexlineatus
757	Hemigaleus microstoma
758	Hemigobius hoevenii
759	Hemigymnus fasciatus
760	Hemigymnus melapterus
761	Hemipristis elongata
762	Hemiramphus archipelagicus
763	Hemiramphus far
764	Hemiramphus lutkei
765	Hemitaurichthys zoster
766	Heniochus acuminatus
767	Heniochus chrysostomus
768	Heniochus monoceros
769	Heniochus pleurotaenia
770	Haninghus singularius
771	Heniochus singularius
	Heptranchias perlo
772	Herklotsichthys punctatus

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773	Herklotsichthys
	quadrimaculatus
774	Herpetoichthys regius
775	Hetereleotris zonata
776	Heteroconger hassi
777	Heteroconger obscurus
778	Heteromycteris oculus
779	Heteronarce prabhui
780	Heteropriacanthus
	cruentatus
781	Hexanchus griseus
782	Hexanematichthys sagor
783	Hexatrygon bickelli
784	Hilsa kelee
785	Himantura alcockii
786	Himantura bleekeri
787	Himantura fai
788	Himantura fava
789	Himantura gerrardi
790	Himantura imbricata
791	Himantura jenkinsii
792	Himantura leoparda
793	Himantura marginata
794	Himantura uarnak
795	Himantura undulata
796	Himantura walga
797	Hippichthys cyanospilos
798	Hippichthys penicillus
799	Hippichthys spicifer
800	Hippocampus fuscus
801	Hippocampus histrix
802	Hippocampus kelloggi
803	Hippocampus kuda
804	Hippocampus trimaculatus
805	Hipposcarus harid
806	Hirculops cornifer
807	Hirundichthys
	coromandelensis
808	Hirundichthys indicus
809	Hirundichthys oxycephalus
810	Hirundichthys speculiger
811	Histrio histrio
812	Holcomycteronus pterotus
813	Hologymnosus annulatus
814	Hologymnosus doliatus
815	Hoplolatilus fronticinctus
816	Hoplostethus mediterraneus
817	Hygophum reinhardtii

818	Hymenocephalus italicus
819	Hypoatherina barnesi
820	Hypoatherina temminckii
821	Hypoatherina valenciennei
822	Hyporhamphus affinis
823	Hyporhamphus balinensis
824	Hyporhamphus dussumieri
825	Hyporhamphus limbatus
826	Hyporhamphus quoyi
827	Hyporhamphus sindensis
828	Hyporhamphus unicuspis
829	Hyporhamphus unifasciatus
830	Hyporhamphus xanthopterus
831	Hyporthodus octofasciatus
832	lago omanensis
833	Ichthyocampus carce
834	Ichthyscopus lebeck
835	
836	Ilisha elongata
837	Ilisha filigera
838	Ilisha kampeni
839	Ilisha megaloptera
840	Ilisha melastoma
841	Ilisha obfuscata
842	Ilisha sirishai Ilisha striatula
843	
844	Incara multisquamatus
845	Inegocia japonica Iniistius bimaculatus
846	Iniistius cyanifrons
847	Iniistius cyanijrons Iniistius dea
848	
849	Iniistius pavo
850	Iniistius pentadactylus Iniistius twistii
851	
852	Inimicus caledonicus
853	Inimicus cuvieri
854	Inimicus sinensis
855	Iso natalensis
856	Istiblennius dussumieri Istiblennius edentulus
857	
858	Istiblennius lineatus
859	Istiblennius spilotus
860	Istigobius ornatus
861	Istigobius spence
862	Istiompax indica
863	Istiophorus platypterus
864	Isurus oxyrinchus
	Jaydia poecilopterus
865	Johnius amblycephalus

866	Johnius belangerii
867	Johnius borneensis
868	Johnius carouna
869	Johnius carutta
870	Johnius coitor
871	Johnius dussumieri
872	Johnius elongatus
873	Johnius glaucus
874	Johnius macropterus
875	Johnius macrorhynus
876	Johnius mannarensis
877	Johnius plagiostoma
878	Kajikia audax
879	Kali indica
880	Karalla daura
881	Karalla dussumieri
882	Kathala axillaris
883	Katsuwonus pelamis
884	Ketengus typus
885	Kraemeria samoensis
886	Kuhlia mugil
887	Kuhlia rupestris
888	Kumococius rodericensis
889	Kurtus indicus
890	Kyphosus bigibbus
891	Kyphosus cinerascens
892	Kyphosus vaigiensis
893	Labroides dimidiatus
894	Lactarius lactarius
895	Lactoria cornuta
896	Lagocephalus guentheri
897	Lagocephalus inermis
898	Lagocephalus lagocephalus
899	Lagocephalus lunaris
900	Lagocephalus spadiceus
901	Lalmohania velutina
902	Lamiopsis temminckii
903	Lamnostoma orientalis
904	Lamnostoma
	polyophthalmum
905	Lates calcarifer
906	Leiognathus berbis
907	Leiognathus brevirostris
908	Leiognathus equulus
909	Leiognathus longispinis
910	Leiognathus striatus
911	Leiuranus semicinctus

912	Lepidocybium flavobrunneum
913	Lepidopus caudatus
914	Lepidotrigla bispinosa
915	Lepidotrigla faurei
916	Lepidotrigla longipinnis
917	Lepidotrigla omanensis
918	Lepidozygus tapeinosoma
919	Leptojulis chrysotaenia
920	Leptojulis cyanopleura
921	Leptomelanosoma indicum
922	Leptoscarus vaigiensis
923	Lepturacanthus pantului
924	Lepturacanthus savala
925	Lethrinus conchyliatus
926	•
	Lethrinus erythracanthus
927	Lethrinus harak
928	Lethrinus lentjan
929	Lethrinus mahsena
930	Lethrinus microdon
931	Lethrinus miniatus
932	Lethrinus nebulosus
933	Lethrinus obsoletus
934	Lethrinus olivaceus
935	Lethrinus ornatus
936	Lethrinus rubrioperculatus
937	Lethrinus semicinctus
938	Lethrinus variegatus
939	Lethrinus xanthochilus
940	Liachirus melanospilos
941	Liopropoma randalli
942	Lipocheilus carnolabrum
943	Liza carinata
944	Liza klunzingeri
945	Liza mandapamensis
946	Lobotes surinamensis
947	Lophiodes gracilimanus
948	Lophiodes mutilus
949	Lophiodes triradiatus
950	Lophiomus setigerus
951	Lophodiodon calori
952	Lophodolos indicus
953	Loxodon macrorhinus
954	Lutjanus argentimaculatus
955	Lutjanus bengalensis
956	Lutjanus biguttatus

958	Lutjanus carponotatus
959	Lutjanus decussatus
960	Lutjanus dodecacanthoides
961	Lutjanus ehrenbergii
962	Lutjanus erythropterus
963	Lutjanus fulviflamma
964	Lutjanus fulvus
965	Lutjanus gibbus
966	Lutjanus guilcheri
967	Lutjanus indicus
968	Lutjanus johnii
969	Lutjanus kasmira
970	Lutjanus lemniscatus
971	Lutjanus lunulatus
972	Lutjanus lutjanus
973	Lutjanus madras
974	Lutjanus malabaricus
975	Lutjanus monostigma
976	Lutjanus monostigma Lutjanus quinquelineatus
977	Lutjanus rivulatus
978	Lutjanus rufolineatus
979	Lutjanus russellii
980	Lutjanus sanguineus
981	Lutjanus sebae
982	Lutjanus vitta
983	Macolor niger
984	Macropharyngodon
	meleagris
985	Macrorhamphosodes
	platycheilus
986	Macrospinosa cuja
987	Mahidolia mystacina
988	Makaira mazara
989	Makaira mazara Makaira nigricans
990	Malacanthus latovittatus
991	Malacocephalus laevis
992	Malthopsis lutea
993	Manta birostris
994	
994	Marleyella bicolorata
996	Megalaspis cordyla
996	Megalops cyprinoides
	Meganthias filiferus
998	Meiacanthus smithi
999	Melichthys niger
1000	Mene maculata
1001	Microphis brachyurus
1002	Mimoblennius atrocinctus
1003	Minous dempsterae

1004 Minous inermis	
1005 Minous monodactylus	
1006 Mobula eregoodootenkee	
1007 Mobula japanica	
1008 Mobula kuhlii	
1009 Mobula mobular	
1010 Mobula thurstoni	
1011 Mola mola	
1012 Monocentris japonica	
1013 Monodactylus argenteus	
1014 Monodactylus falciformis	
1015 Monomitopus conjugator	
1016 Monomitopus nigripinnis	
1017 Monotaxis grandoculis	
1018 Moolgarda cunnesius	
1019 Moolgarda seheli	
1020 Moringua abbreviata	
1021 Moringua bicolor	
1022 Moringua guthriana	
1023 Moringua javanica	
1024 Moringua microchir	
1025 Mugil cephalus	
1026 Mulloidichthys flavolineatus	
1027 Muraenesox bagio	
1028 Muraenesox cinereus	
1029 Muraenichthys gymnopteru:	5
1030 Muraenichthys schultzei	
1031 Mustelus mangalorensis	
1032 Mustelus mosis	
1033 Myctophum affine	
1034 Myctophum aurolaternatum	1
1035 Myctophum indicum	
1036 Myctophum spinosum	
1037 Myrichthys colubrinus	
1038 Myripristis adusta	
1039 Myripristis botche	
1040 Myripristis hexagona	
1041 Myripristis murdjan	
Narcetes erimelas	
1043 Narcine brunnea	
1044 Narcine lingula	
1045 Narcine prodorsalis	
1046 Narcine timlei	
1047 Marka dintanggia	
ivarke aipterygia	
1048 Naso brachycentron	
ivarke aipterygia	

	1051	Naso tonganus	1097	Nuchequula blochii
ł	1052	Naso tuberosus	1098	Nuchequula gerreoi
ł	1053	Naso unicornis	1099	Obliquogobius come
ł	1054	Naso vlamingii	1100	Ocosia ramaraoi
ł	1055	Naucrates ductor	1101	Odontamblyopus ro
ł	1056	Nealotus tripes	1102	Odontamblyopus ru
ŀ	1057	,	1103	Odonus niger
ŀ		Nebrius ferrugineus	1104	Oedalechilus labiosi
ŀ	1058	Nectamia fusca	1105	Okamejei powelli
ŀ	1059	Nectamia savayensis	1106	Oligolepis acutipeni
ŀ	1060	Neenchelys buitendijki	1107	Oligolepis cylindrice
ŀ	1061	Negaprion acutidens	1108	Oligolepis dasi
ŀ	1062	Nemapteryx caelata	1109	Omobranchus elong
	1063	Nemapteryx	1110	Omobranchus fascio
ŀ	1064	macronotacantha	1111	Omobranchus obliq
ŀ	1065	Nemapteryx nenga	1112	Omobranchus punc
ŀ		Nematalosa galatheae	1113	Omobranchus smith
ı	1066	Nematalosa nasus	1114	Omobranchus zebro
ŀ	1067	Nemichthys scolopaceus	1115	Oncorhynchus nerko
ŀ	1068	Nemipterus bipunctatus	1116	Ophichthus altipenr
ļ	1069	Nemipterus furcosus	1117	Ophichthus apicalis
ı	1070	Nemipterus hexodon	1118	Ophichthus cephalo
ļ	1071	Nemipterus japonicus	1119	Ophichthus macroci
	1072	Nemipterus marginatus	1120	Opisthopterus tardo
ł	1073		1121	Opistognathus
ŀ	1074	Nemipterus mesoprion		nigromarginatus
ł	1075	Nemipterus nematophorus	1122	Opistognathus para
ł	1076	Nemipterus nemurus	1123	Opistognathus rose
ł	1077	Nemipterus peronii	1124	Osteogeneiosus mili
ł	1078	Nemipterus randalli	1125	Ostichthys acanthol
ł	1079	Nemipterus zysron	1126	•
ł	1080	Neobythites multistriatus	1127	Ostichthys japonicu Ostorhinchus apogo
ł	1081	Neobythites steatiticus	1128	Ostorhinchus bryx
ł	1082	Neoepinnula orientalis	1129	Ostorhinchus endek
ł	1083	Neoniphon argenteus	1130	Ostorhinchus fascia
ł	1084	Neoniphon opercularis	1131	Ostorhinchus fleurie
ł	1085	Neoniphon sammara	1132	Ostorhinchus holoto
ł	1086	Neopomacentrus sororius	1133	Ostorhinchus moluc
ł	1087	Neopomacentrus taeniurus	1134	Ostorhinchus noven
ł	1088	Neoscopelus macrolepidotus	1135	Ostorhinchus oxina
ł	1089	Neotrygon kuhlii	1136	Ostorhinchus pleuro
ŀ	1090	Nettenchelys taylori	1137	Ostorhinchus taenio
	1090	Netuma bilineata	1138	Ostracion cubicus
-	1091	Netuma thalassina	1139	
	1092	Nibea chui	1140	Ostracion meleagris
	1094	Nibea coibor	1141	Otolithes cuvieri Otolithes ruber
-	1094	Nibea maculata	1142	Otolithes ruber Otolithoides biaurit
	1095	Nibea soldado	1143	
l	1030	Novaculichthys taeniourus	22.75	Otolithoides pama

1097	Nuchequula blochii
1098	Nuchequula gerreoides
1099	Obliquogobius cometes
1100	Ocosia ramaraoi
1101	Odontamblyopus roseus
1102	Odontamblyopus rubicundus
1103	Odonus niger
1104	Oedalechilus labiosus
1105	Okamejei powelli
1106	Oligolepis acutipennis
1107	Oligolepis cylindriceps
1108	Oligolepis dasi
1109	Omobranchus elongatus
1110	Omobranchus fasciolatus
1111	Omobranchus obliquus
1112	Omobranchus punctatus
1113	Omobranchus smithi
1114	Omobranchus zebra
1115	Oncorhynchus nerka
1116	Ophichthus altipennis
1117	Ophichthus apicalis
1118	Ophichthus cephalozona
1119	Ophichthus macrochir
1120	Opisthopterus tardoore
1121	Opistognathus
	nigromarginatus
1122	Opistognathus pardus
1123	Opistognathus rosenbergii
1124	Osteogeneiosus militaris
1125	Ostichthys acanthorhinus
1126	Ostichthys japonicus
1127	Ostorhinchus apogonoides
1128	Ostorhinchus bryx
1129	Ostorhinchus endekataenia
1130	Ostorhinchus fasciatus
1131	Ostorhinchus fleurieu
1132	Ostorhinchus holotaenia
1133	Ostorhinchus moluccensis
1134	Ostorhinchus novemfasciatus
1135	Ostorhinchus oxina
1136	Ostorhinchus pleuron
1137	Ostorhinchus taeniophorus
1138	Ostracion cubicus
1139	Ostracion meleagris
1140	Otolithes cuvieri
1141	Otolithes ruber
1142	Otolithoides biauritus
1143	Otolithoides pama

1144	Oxuderces dentatus
1145	Oxycheilinus bimaculatus
1146	Oxycheilinus digramma
1147	Oxymonacanthus longirostris
1148	Oxyporhamphus micropterus
1149	Oxyurichthys formosanus
1150	Oxyurichthys microlepis
1151	Oxyurichthys
	ophthalmonema
1152	Oxyurichthys paulae
1153	Oxyurichthys tentacularis
1154	Pampus argenteus
1155	Pampus chinensis
1156	Panna heterolepis
1157	Panna microdon
1158	Parablennius thysanius
1159	Paracaesio sordida
1160	Paracaesio xanthura
1161	Paracanthurus hepatus
1162	Paracentropogon longispinis
1163	Parachaetodon ocellatus
1164	Parachaeturichthys ocellatus
1165	Parachaeturichthys polynema
1166	Paracirrhites forsteri
1167	Paragaleus randalli
1168	Paragobiodon
1169	echinocephalus
1170	Paraluteres prionurus
1171	Parambassis thomassi
11/1	Paramonacanthus
1172	choirocephalus
1173	Paramonacanthus japonicus Paramonacanthus oblonaus
1174	
1175	Paramonacanthus tricuspis
1176	Paramugil parmatus Paranibea semiluctuosa
1177	Paranibea semiluctuosa Parapercis alboguttata
1178	Parapercis clathrata
1179	Parapercis ciatrirata Parapercis hexophtalma
1180	Parapercis maculata
1181	Parapercis pulchella
1182	Parapercis punctata
1183	Parapercis tetracantha
1184	Paraplagusia bilineata
1185	Paraplagusia blochii
1186	Parapocryptes rictuosus
1187	Parapocryptes serperaster
1188	Parapriacanthus ransonneti

1189	Parapterois macrura
1190	Parascolopsis aspinosa
1191	Parascolopsis boesemani
1192	Parascolopsis eriomma
1193	Parascolopsis inermis
1194	Parascolopsis townsendi
1195	Parascorpaena picta
1196	Parastromateus niger
1197	Paratrypauchen
	microcephalus
1198	Pardachirus marmoratus
1199	Pardachirus pavoninus
1200	Parexocoetus brachypterus
1201	Parexocoetus mento
1202	Parioglossus philippinus
1203	Parioglossus winterbottomi
1204	Parupeneus barberinus
1205	Parupeneus ciliatus
1206	Parupeneus cyclostomus
1207	Parupeneus heptacanthus
1208	Parupeneus indicus
1209	Parupeneus macronemus
1210	Parupeneus margaritatus
1211	Parupeneus minys
1212	Parupeneus multifasciatus
1213	Parupeneus pleurostigma
1214	Parupeneus trifasciatus
1215	Pastinachus sephen
1216	Pegasus laternarius
1217	Pegasus volitans
1218	Pelates quadrilineatus
1219	Pellona dayi
1220	Pellona ditchela
1221	Pempheris malabarica
1222	Pempheris mangula
1223	Pempheris molucca
1224	Pempheris nesogallica
1225	Pempheris oualensis
1226	Pempheris sarayu
1227	Pennahia anea
1228	Pennahia macrocephalus
1229	Pennahia ovata
1230	Pentapodus setosus
1231	Pentaprion longimanus
1232	Periophthalmodon schlosseri
1233	Periophthalmus
	argentilineatus
1234	Periophthalmus chrysospilos

1235	Periophthalmus minutus
1236	Periophthalmus
	novemradiatus
1237	Periophthalmus waltoni
1238	Periophthalmus weberi
1239	Perulibatrachus aquilonarius
1240	Petroscirtes breviceps
1241	Petroscirtes mitratus
1242	Petroscirtes xestus
1243	Photopectoralis bindus
1244	Phoxocampus belcheri
1245	Phtheirichthys lineatus
1246	Physiculus argyropastus
1247	Pinjalo lewisi
1248	Pinjalo pinjalo
1249	Pisodonophis boro
1250	Pisodonophis cancrivorus
1251	Pisodonophis hijala
1252	Plagiotremus rhinorhynchos
1253	Plagiotremus tapeinosoma
1254	Platax orbicularis
1255	Platax pinnatus
1256	Platax teira
1257	Platybelone argalus platyura
1258	Platycephalus indicus
1259	Platytroctes apus
1260	Platytroctes mirus
1261	Plectorhinchus albovittatus
1262	Plectorhinchus ceylonensis
1263	Plectorhinchus chubbi
1264	Plectorhinchus diagrammus
1265	Plectorhinchus gibbosus
1266	Plectorhinchus lineatus
1267	Plectorhinchus picus
1268	Plectorhinchus polytaenia
1269	Plectorhinchus schotaf
1270	Plectorhinchus vittatus
1271	Plectranthias alcocki
1272	Plectroglyphidodon dickii
1273	Plectroglyphidodon
	lacrymatus
1274	Plectroglyphidodon
	leucozonus
	IEUCOZOTIUS
1275	
	Plectropomus areolatus
1275	Plectropomus areolatus Plectropomus maculatus
1275 1276	Plectropomus areolatus Plectropomus maculatus Plesiobatis daviesi
1275 1276 1277	Plectropomus areolatus Plectropomus maculatus

1281	-1. 5 11.
1282	Plicofollis argyropleuron
1282	Plicofollis dussumieri
1284	Plicofollis platystomus
1284	Plicofollis tenuispinis
	Plicofollis tonggol
1286	Plotosus canius
1287	Plotosus limbatus
1288	Plotosus lineatus
1289	Poecilopsetta colorata
1290	Poecilopsetta praelonga
1291	Pogonoperca punctata
1292	Polydactylus macrochir
1293	Polydactylus microstomus
1294	Polydactylus mullani
1295	Polydactylus multiradiatus
1296	Polydactylus plebeius
1297	Polydactylus sexfilis
1298	Polydactylus sextarius
1299	Polyipnus spinosus
1300	Polymixia fusca
1301	Polymixia japonica
1302	Polynemus dubius
1303	Polynemus paradiseus
1304	Pomacanthus annularis
1305	Pomacanthus imperator
1306	Pomacanthus semicirculatus
1307	Pomacentrus albicaudatus
1308	Pomacentrus azuremaculatus
1309	Pomacentrus brachialis
1310	Pomacentrus littoralis
1311	Pomacentrus pavo
1312	Pomacentrus similis
1313	Pomacentrus tripunctatus
1314	Pomadasys argenteus
1315	Pomadasys argyreus
1316	Pomadasys commersonnii
1317	Pomadasys furcatus
1318	Pomadasys guoraca
1319	Pomadasys kaakan
1320	Pomadasys maculatus
1321	Pomadasys multimaculatus
1322	Pomadasys olivaceus
1323	Pomadasys stridens
1324	Pomatomus saltatrix
1325	Porogadus trichiurus
1326	Premnas biaculeatus
1327	Priacanthus hamrur

1328	Priacanthus macracanthus
1329	Priacanthus prolixus
1330	Priacanthus tayenus
1331	Priolepis eugenius
1332	Priolepis inhaca
1333	Prionace glauca
1334	Pristiapogon fraenatus
1335	Pristiapogon kallopterus
1336	Pristigenys refulgens
1337	Pristipomoides filamentosus
1338	Pristipomoides multidens
1339	Pristipomoides sieboldii
1340	Pristipomoides typus
1341	Pristipomoides zonatus
1342	Pristis microdon
1343	Pristis pectinata
1344	Pristis pristis
1345	Pristis zijsron
1346	Pristotis obtusirostris
1347	Prognichthys brevipinnis
1348	Promethichthys prometheus
1349	Promyllantor purpureus
1350	Protonibea diacanthus
1351	Psammogobius biocellatus
1352	Psammoperca waigiensis
1353	Psenes cyanophrys
1354	Psenopsis cyanea
1355	Psettina brevirictis
1356	Psettodes erumei
1357 1358	Pseudaesopia japonica
	Pseudamia gelatinosa
1359	Pseudanthias cichlops
1360	Pseudanthias conspicuus
1361	Pseudanthias cooperi
1362	Pseudanthias squamipinnis
1363	Pseudapocryptes elongatus
1364	Pseudobalistes flavimarginatus
1365	Pseudobalistes fuscus
1366	Pseudocheilinus hexataenia
1367	Pseudochromis caudalis
1368	Pseudochromis tapeinosoma
1369	Pseudodax moluccanus
1370	Pseudogobius javanicus
1371	Pseudogobius melanostictus
1372	Pseudogramma polyacantha
1373	Pseudorhombus arsius

1374	Pseudorhombus
1375	dupliciocellatus
	Pseudorhombus elevatus
1376	Pseudorhombus javanicus
1377	Pseudorhombus malayanus
1378	Pseudorhombus
1379	micrognathus
1379	Pseudorhombus natalensis
1381	Pseudorhombus triocellatus
1382	Pseudotriacanthus strigilifer
1383	Pseudovespicula dracaena
1384	Pteragogus flagellifer
1385	Ptereleotris evides
1386	Ptereleotris microlepis
	Pterocaesio chrysozona
1387	Pterocaesio digramma
1388	Pterocaesio pisang
1389	Pterocaesio tessellata
1390	Pterocaesio tile
1391	Pteroidichthys amboinensis
1392	Pterois antennata
1393	Pterois mombasae
1394	Pterois radiata
1395	Pterois russelii
1396	Pterois volitans
1397	Pterotolithus maculatus
1398	Pterygotrigla arabica
1399	Pterygotrigla hemisticta
1400	Pterygotrigla macrorhynchus
1401	Rachycentron canadum
1402	Raconda russeliana
1403	Rastrelliger brachysoma
1404	Rastrelliger faughni
1405	Rastrelliger kanagurta
1406	Remora albescens
1407	Remora osteochir
1408	Remora remora
1409	Rexea bengalensis
1410	Rexea prometheoides
1411	Rhabdamia gracilis
1412	Rhabdosargus sarba
1413	Rhina ancylostoma
1414	Rhincodon typus
1415	Rhinecanthus aculeatus
1416	Rhinecanthus rectangulus
1417	Rhinobatos annandalei
1418	Rhinobatos lionotus
1419	Rhinobatos obtusus
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1420	Rhinobatos thouiniana
1421	Rhinobatos variegatus
1422	Rhinoptera adspersa
1423	Rhinoptera javanica
1424	Rhizoprionodon acutus
1425	Rhizoprionodon oligolinx
1426	Rhynchobatus djiddensis
1427	Rhynchorhamphus georgii
1428	Rhynchorhamphus
	malabaricus
1429	Rhynchostracion nasus
1430	Richardsonichthys
	leucogaster
1431	Roa jayakari
1432	Rogadius asper
1433	Rogadius serratus
1434	Ruvettus pretiosus
1435	Sacura boulengeri
1436	Salarias fasciatus
1437	Samaris cristatus
1438	Samariscus Ionaimanus
1439	Sarda orientalis
1440	Sardinella albella
1441	Sardinella brachysoma
1442	Sardinella fimbriata
1443	Sardinella gibbosa
1444	Sardinella jussieu
1445	Sardinella longiceps
1446	Sardinella melanura
1447	Sardinella sindensis
1448	Sargocentron
	caudimaculatum
1449	Sargocentron diadema
1450	Sargocentron ittodai
1451	Sargocentron microstoma
1452	Sargocentron praslin
1453	Caracantron
	punctatissimum
1454	Sargocentron rubrum
1455	Sargocentron spiniferum
1456	Sargocentron spinijerum Sargocentron violaceum
1457	
1458	Satyrichthys laticeps
1459	Saurida gracilis Saurida isarankurai
1460	
1461	Saurida longimanus
1462	Saurida micropectoralis
1463	Saurida nebulosa
1403	Saurida pseudotumbil

1464	Saurida tumbil
1465	Saurida undosquamis
1466	Saurida wanieso
1467	Scalicus investigatoris
1468	Scartelaos cantoris
1469	Scartelaos histophorus
1470	Scartelaos tenuis
1471	Scartella emarginata
1472	Scarus ghobban
1473	Scarus globiceps
1474	Scarus niger
1475	Scarus prasiognathos
1476	Scarus psittacus
1477	Scarus quoyi
1478	Scarus rubroviolaceus
1479	Scarus russelii
1480	Scarus scaber
1481	Scarus tricolor
1482	Scatophagus argus
1483	Schindleria pietschmanni
1484	Schindleria praematura
1485	Sciades sona
1486	Scolecenchelys macroptera
1487	Scoliodon laticaudus
1488	Scolopsis aurata
1489	Scolopsis bilineata
1490	Scolopsis bimaculata
1491	Scolopsis ciliata
1492	Scolopsis frenata
1493	Scolopsis ghanam
1494	Scolopsis igcarensis
1495	Scolopsis lineata
1496	Scolopsis margaritifera
1497	Scolopsis taeniata
1498	Scolopsis taenioptera
1499	Scolopsis vosmeri
1500	Scolopsis xenochroa
1501	Scomber japonicus
1502	Scomberoides
	commersonnianus
1503	Scomberoides lysan
1504	Scomberoides tala
1505	Scomberoides tol
1506	Scomberomorus commerson
1507	Scomberomorus guttatus
1508	Scomberomorus koreanus
1509	Scomberomorus lineolatus
1510	Scopelengys tristis
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1511	Scorpaenodes guamensis
1512	Scorpaenodes muciparus
1513	Scorpaenodes parvipinnis
1514	Scorpaenopsis cirrosa
1515	Scorpaenopsis gibbosa
1516	Scorpaenopsis neglecta
1517	Scorpaenopsis ramaraoi
1518	Scorpaenopsis venosa
1519	Scuticaria tigrina
1520	Scyliorhinus capensis
1521	Sebastapistes nuchalis
1522	Sebastapistes strongia
1523	Secutor insidiator
1524	Secutor interruptus
1525	Secutor ruconius
1526	Selar boops
1527	Selar crumenophthalmus
1528	Selaroides leptolepis
1529	Seriola lalandi
1530	Seriola rivoliana
1531	Seriolina nigrofasciata
1532	Setarches guentheri
1533	Setipinna breviceps
1534	Setipinna taty
1535	Setipinna tenuifilis
1536	Siganus argenteus
1537	Siganus canaliculatus
1538	Siganus corallinus
1539	Siganus fuscescens
1540	Siganus guttatus
1541	Siganus insomnis
1542	Siganus javus
1543	Siganus lineatus
1544	Siganus magnificus
1545	Siganus puelloides
1546	Siganus punctatus
1547	Siganus spinus
1548	Siganus stellatus
1549	Siganus vermiculatus
1550	Siganus virgatus
1551	Sigmops elongatus
1552	Silhouettea indica
1553	Sillaginopodys chondropus
1554	Sillaginops macrolepis
1555	Sillaginopsis panijus
1556	Sillago aeolus
1557	Sillago argentifasciata

1559	Sillago ingenuua
1560	Sillago intermedius
1561	Sillago lutea
1562	Sillago maculata
1563	Sillago parvisquamis
1564	Sillago sihama
1565	Sillago soringa
1566	Sillago vincenti
1567	Skythrenchelys zabra
1568	Snyderina guentheri
1569	Solea elongata
1570	Solea heinii
1571	Solea ovata
1572	Soleichthys heterorhinos
1573	Solenostomus cyanopterus
1574	Sorsogona tuberculata
1575	Sparidentex datnia
1576	Sparidentex hasta
1577	Sphagemacrurus pumiliceps
1578	Sphenanthias whiteheadi
1579	Sphyraena acutipinnis
1580	Sphyraena barracuda
1581	Sphyraena chrysotaenia
1582	Sphyraena flavicauda
1583	Sphyraena forsteri
1584	Sphyraena jello
1585	Sphyraena novaehollandiae
1586	Sphyraena obtusata
1587	Sphyraena putnamae
1588	Sphyraena qenie
1589	Sphyrna lewini
1590	Sphyrna mokarran
1591	Sphyrna tudes
1592	
1593	Sphyrna zygaena Spratelloides delicatulus
1594	
1595	Spratelloides gracilis
1596	Squalus mitsukurii
1597	Stegastes albifasciatus
1598	Stegastes nigricans
1599	Stegastes obreptus
1600	Stegastes punctatus
1601	Stegostoma fasciatum
1602	Stenogobius gymnopomus
1603	Stenogobius laterisquamatus
1604	Stethojulis albovittata
1604	Stethojulis balteata
1606	Stethojulis strigiventer
1606	Stethojulis trilineata
1607	Stigmatogobius minima
	10

1608	
1608	Stolephorus andhraensis
1610	Stolephorus baganensis
	Stolephorus commersonnii
1611	Stolephorus dubiosus
1612	Stolephorus indicus
1613	Stolephorus insularis
1614	Stolephorus waitei
1615	Stomias affinis
1616	Strongylura incisa
1617	Strongylura leiura
1618	Strongylura strongylura
1619	Strophidon sathete
1620	Sufflamen chrysopterum
1621	Sufflamen fraenatum
1622	Suggrundus macracanthus
1623	Sunagocia carbunculus
1624	Sunagocia otaitensis
1625	Symbolophorus evermanni
1626	Symphurus trifasciatus
1627	Symphysanodon andersoni
1628	Symphysanodon
	xanthopterygion
1629	Synagrops philippinensis
1630	Synanceia horrida
1631	Synanceia verrucosa
1632	Synaptura albomaculata
1633	Synaptura commersonnii
1634	Synchiropus lineolatus
1635	Syngnathoides biaculeatus
1636	Synodus binotatus
1637	Synodus gibbsi
1638	Synodus indicus
1639	Synodus jaculum
1640	Synodus macrocephalus
1641	Synodus macrops
1642	Synodus myops
1643	Synodus oculeus
1644	Synodus sageneus
1645	Synodus variegatus
1646	Taeniamia fucata
1647	Taenianotus triacanthus
1648	Taenioides anguillaris
1649	Taenioides buchanani
1650	Taenioides cirratus
1651	Taeniura lymma
1652	Taeniurops meyeni
1653	Takifugu oblongus

1654	Tauredophidium hextii
1655	Tenualosa ilisha
1656	Tenualosa toli
1657	Terapon jarbua
1658	Terapon puta
1659	Terapon theraps
1660	Tetrapturus angustirostris
1661	Tetraroge niger
1662	Tetrosomus gibbosus
1663	Thalassoma amblycephalum
1664	Thalassoma hardwicke
1665	Thalassoma jansenii
1666	Thalassoma lunare
1667	Thalassoma purpureum
1668	Thalassoma quinquevittatum
1669	Thamnaconus modestoides
1670	Thryssa baelama
1671	Thryssa dayi
1672	Thryssa dussumieri
1673	Thryssa encrasicholoides
1674	Thryssa gautamiensis
1675	Thryssa hamiltonii
1676	Thryssa kammalensis
1677	Thryssa kammalensoides
1678	Thryssa malabarica
1679	Thryssa mystax
1680	Thryssa polybranchialis
1681	Thryssa purava
1682	Thryssa setirostris
1683	Thryssa spinidens
1684	Thryssa stenosoma
1685	Thryssa vitrirostris
1686	Thunnus alalunga
1687	Thunnus albacares
1688	Thunnus obesus
1689	Thunnus orientalis
1690	Thunnus tonggol
1691	Thyrsitoides marleyi
1692	Thysanophrys celebica
1693	Thysanophrys chiltonae
1694	Torpedo fuscomaculata
1695	Torpedo panthera
1696	Torpedo sinuspersici
1697	Torquigener brevipinnis
1698	Torquigener hypselogeneion
1699	Toxotes chatareus
1700	Trachicephalus uranoscopus
1701	Trachinotus baillonii
1702	Trachinotus blochii

1703	Trachinotus botla
1704	Trachinotus mookalee
1705	Trachyrhamphus serratus
1706	Triacanthodes ethiops
1707	Triacanthus biaculeatus
1708	Triacanthus nieuhofii
1709	Triaenodon obesus
1710	Trichiurus auriga
1711	Trichiurus gangeticus
1712	Trichiurus lepturus
1713	Trichiurus russelli
1714	Trichonotus cyclograptus
1715	Trichonotus setiger
1716	Trimma annosum
1717	Trimma winterbottomi
1718	Tripodichthys oxycephalus
1719	Tripterodon orbis
1720	Trypauchen vagina
1721	Trypauchenichthys
	sumatrensis
1722	Tylerius spinosissimus
1723	Tylosurus acus melanotus
1724	Tylosurus choram
1725	Tylosurus crocodilus
1726	Ulua mentalis
1727	Umbrina canariensis
1728	Upeneus guttatus
1729	Upeneus heemstra
1730	Upeneus indicus
1731	Upeneus japonicus
1732	Upeneus luzonius
1733	Upeneus moluccensis
1734	Upeneus sulphureus
1735	Upeneus sundaicus
1736	Upeneus supravittatus
1737	Upeneus taeniopterus
1738	Upeneus vittatus
1739	Uranoscopus crassiceps
1740	Uranoscopus guttatus
1741	Uraspis helvola
1742	Uraspis secunda
1743	Uraspis uraspis
1744	Uroconger lepturus
1745	Urogymnus asperrimus
1746	Uropterygius concolor
1747	Uropterygius macrocephalus
1748	Uropterygius marmoratus
1749	Valamugil buchanani

1750	Valamugil speigleri
1751	Valenciennea muralis
1752	Valenciennea sexguttata
1753	Valenciennea strigata
1754	Variola louti
1755	Velifer hypselopterus
1756	Verulux cypselurus
1757	Vinciguerria lucetia
1758	Wattsia mossambica
1759	Xenentodon cancila
1760	Xenomystax trucidans
1761	Xestochilus nebulosus
1762	Xiphasia setifer
1763	Xiphias gladius
1764	Xiphocheilus typus
1765	Xyrichtys rajagopalani
1766	Yongeichthys criniger
1767	Zanclus cornutus
1768	Zanobatus schoenleinii
1769	Zebrasoma flavescens
1770	Zebrasoma velifer
1771	Zebrasoma xanthurum
1772	Zebrias altipinnis
1773	Zebrias annandalei
1774	Zebrias keralensis
1775	Zebrias maculosus
1776	Zebrias quagga
1777	Zebrias synapturoides
1778	Zebrias zebra
1779	Zenarchopterus buffonis
1780	Zenarchopterus dispar
1781	Zenarchopterus gilli
1782	Zenarchopterus pappenheimi
1783	Zenopsis conchifer
1784	Zenopsis nebulosa
1785	Zoramia leptacantha

