

Supplementary Information

This document contains all Supplementary Information for the following article:

“Global patterns in functional rarity of marine fish”

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Data Availability

The datasets generated during and/or analysed during the current study are available in the Research Portal of the University of St Andrews repository, <https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-4f734c11b14a>¹.

Cite data as: Trindade-Santos, I., Moyes, F. & Magurran, A. Data Underpinning Global patterns in functional rarity of marine fish. University of St Andrews, doi:<https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-4f734c11b14a> (2022).

31 **Supplementary Figures**

1. INPUT:

- Assemblage matrix.
- Trait matrix.



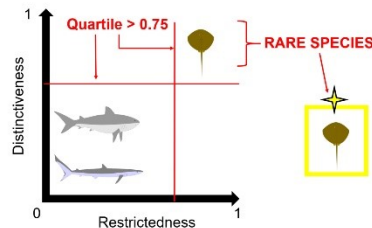
Grid cell size: 2 degree.
Prob: > 0.9, >0.7, >0.5



Bony fish: 11,961.
Cartilaginous fish: 866.
1 traits

3. QUARTILES:

- Select the rare species in **both** dimensions.



5. NULL MODEL:

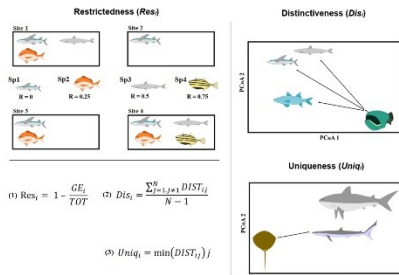
- Curveball algorithm, number of interactions: 2000.

- Standardized Effect Size:
 $SES = (x-y)/z$.

x = observed number of rare species
y = average of the number of rare species found from the null model
z = standard deviation y.

2. INDICES:

- Indices from 0 to 1.
- Restrictedness.
- Distinctiveness & Uniqueness.

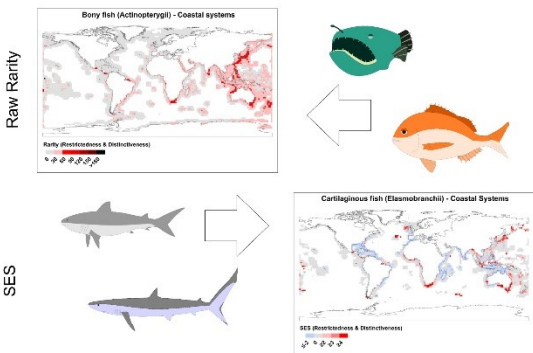


4. RARITY BIOGEOGRAPHY:

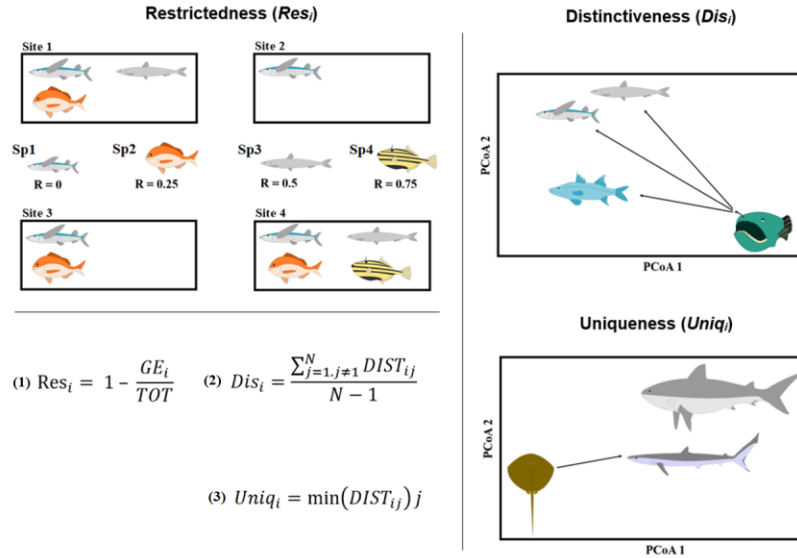
- Counting the number of rare species in each 2 degree grid cell.



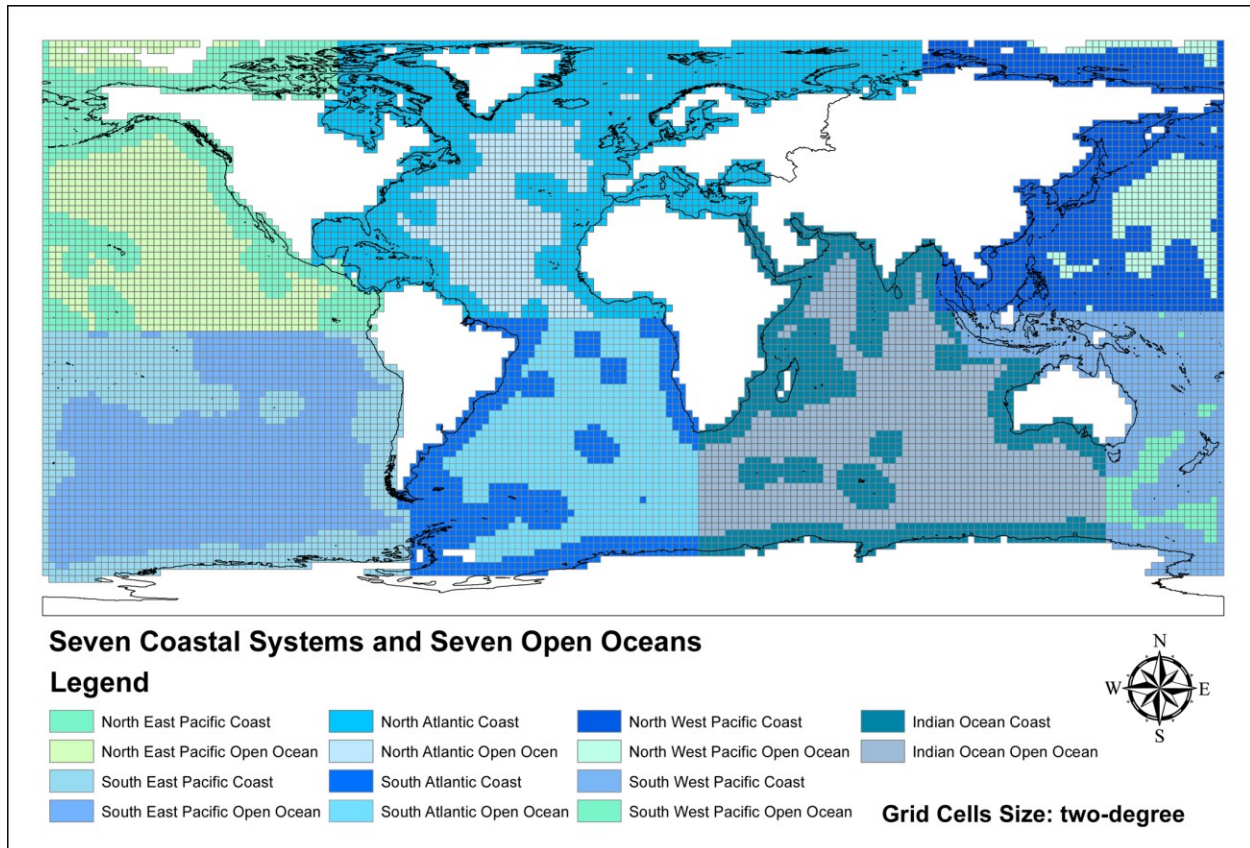
6. MAPPING RESULTS:



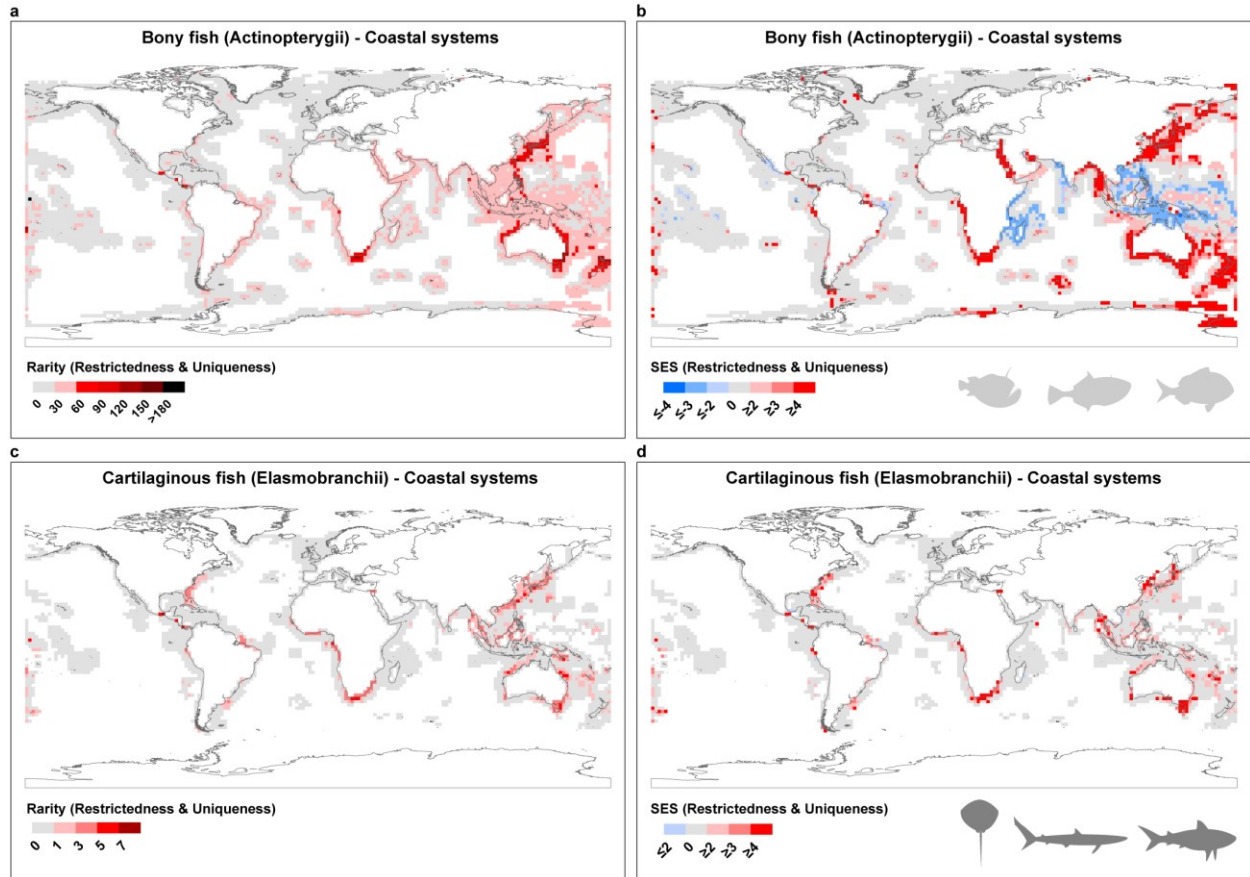
32
33 **Supplementary Figure 1 Flow chart describing the steps at each stage of our analyses.** These are expanded on in
34 detail in the Methods section. The analyses were done individually for each of the following: 7 Coastal Systems and
35 7 High Seas (Supplementary Figure 3), Actinopterygii and Elasmobranchii, functional distinctiveness and uniqueness,
36 probabilities of occurrences > 0.9, > 0.7 and > 0.5.



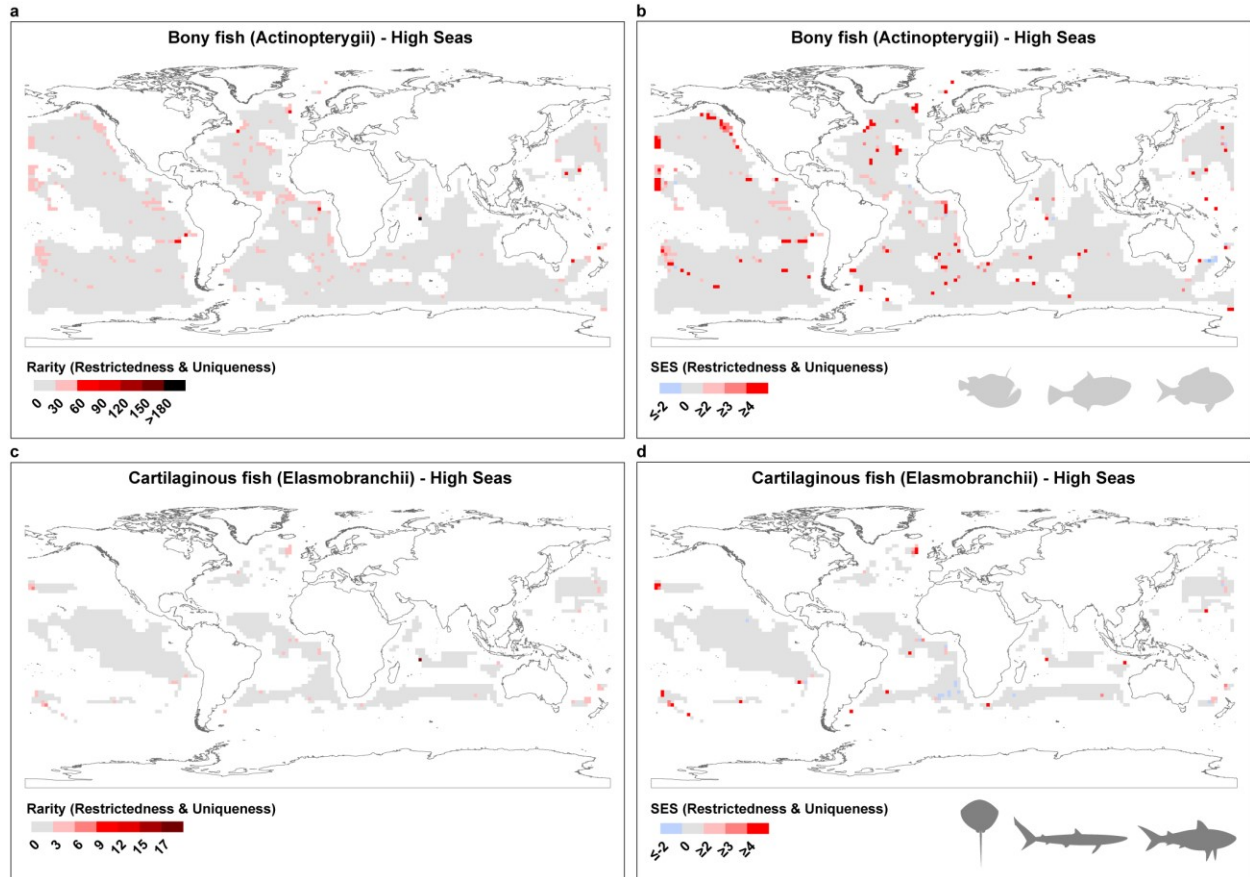
Supplementary Figure 2 | Schematic representation and equations of the rarity metrics used. Taxonomic restrictedness, functional distinctiveness, together with the alternative metric – functional uniqueness. Using the schematic representation we have as an example Sp1 occurring in all sites and Sp4 at only one site (restrictedness 0 and 0.75 respectively). The combination of traits of each species determines its position inside of the functional space, here represented by two PCoA1 and PCoA2 axes. Functional distinctiveness is measured by the average of the functional distance of a given species compared with all other species in the regional pool. In this example, the angler fish will have the highest functional distinctiveness because its combination of traits places it at a greater distance from the other 3 species. Functional uniqueness quantifies the distance in functional space between a given species to its nearest neighbour. In this schematic example we see that the nearest species to the ray is the blue shark, while the blue shark and the white shark are closer to each other, As such the ray will have the highest uniqueness in this assemblage. **Res_i** - GE is geographic extent or number of grid cells a species occurs in, TOT is total number of grid cells and i is a species. **Dis_i** - where N is the number of species, i and j are species and $DIST_{ij}$ is the distance between species i and j . **$Uniq_i$** - where i and j are species and $DIST_{ij}$ is the distance between them.



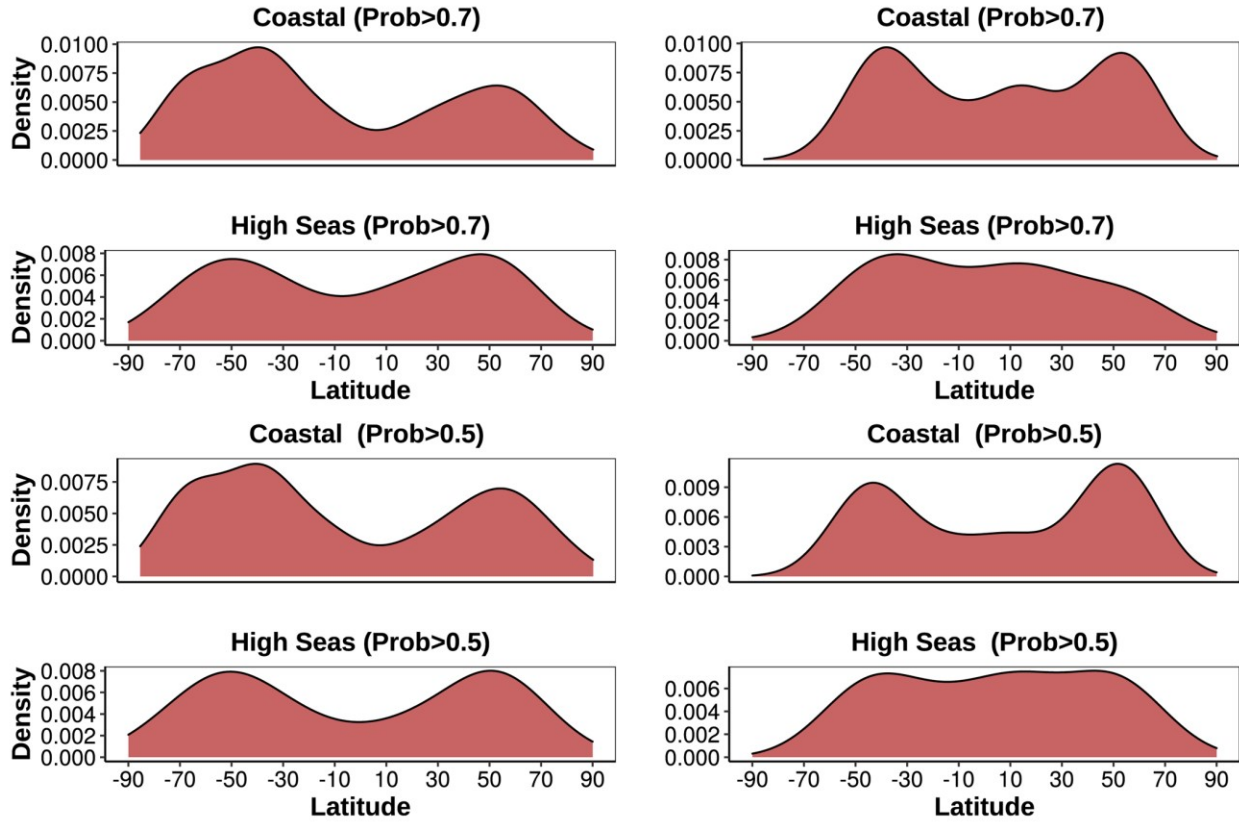
Supplementary Figure 3 | All systems used in our study, from the Seven Oceanic regions and its Coastal Systems and High Seas. All analyses were undertaken separately for bony and cartilaginous fish. The grid cells illustrated here are 2 degrees.



Supplementary Figure 4 | Global biogeography of rarity for bony fishes (a - Actinopterygii) and cartilaginous fishes (c - Elasmobranchii) across Coastal Systems. The functional index used here was **uniqueness** (see Supplementary Figure 1 for workflow and Supplementary Figure 2 for index details). Plots a and c illustrate the numbers of rare species found in each 2° grid cell (species that are rare **taxonomically** and **functionally (unique)** at the same time). Plots b and d show the Standardized Effect Sizes (SES) distribution, where red shaded cells represent an excess of rare species higher than expected by chance and blue cells represent fewer rare species than expected.

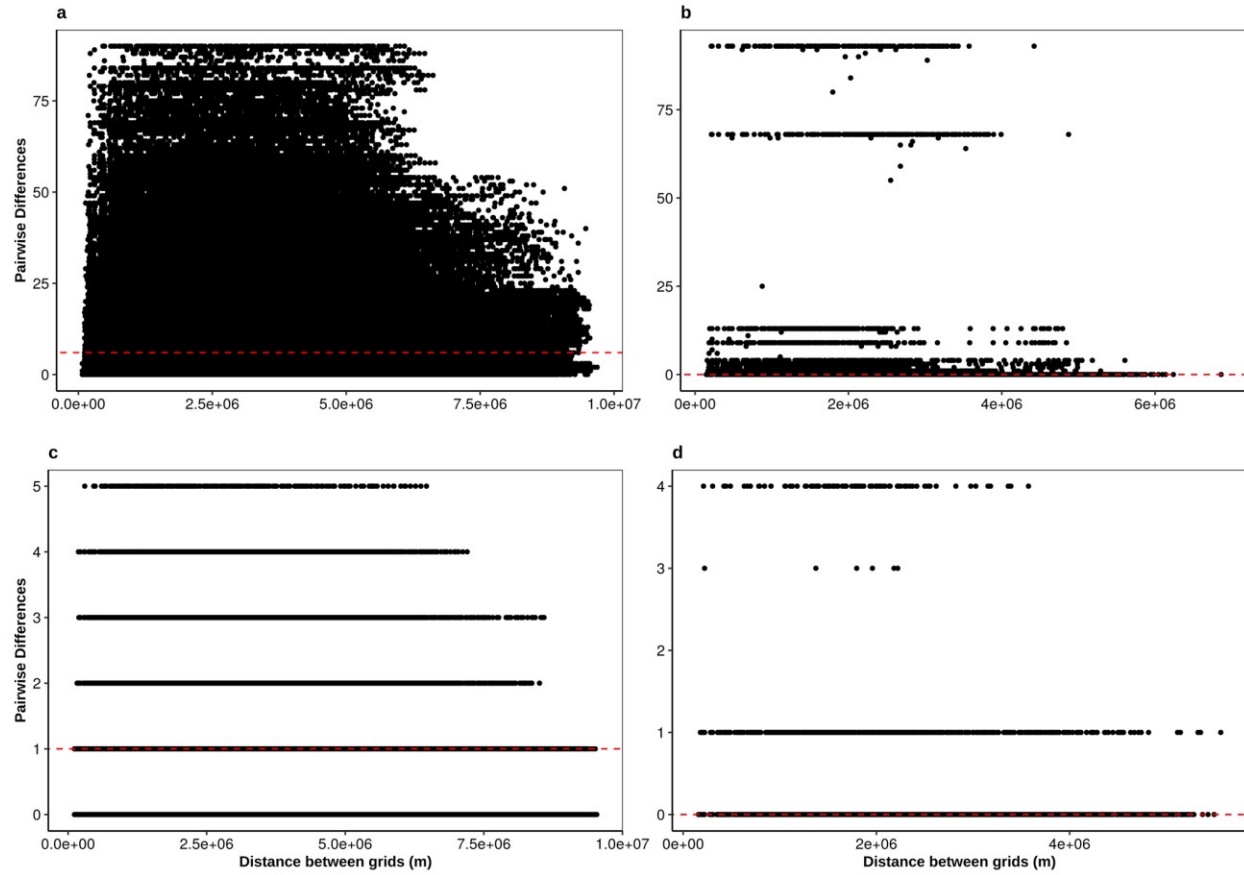


Supplementary Figure 5 | Global biogeography of rarity for bony fishes (a - Actinopterygii) and cartilaginous fishes (c - Elasmobranchii) across High Seas. The functional index used here was **uniqueness** (as shown in Supplementary Figure 2).

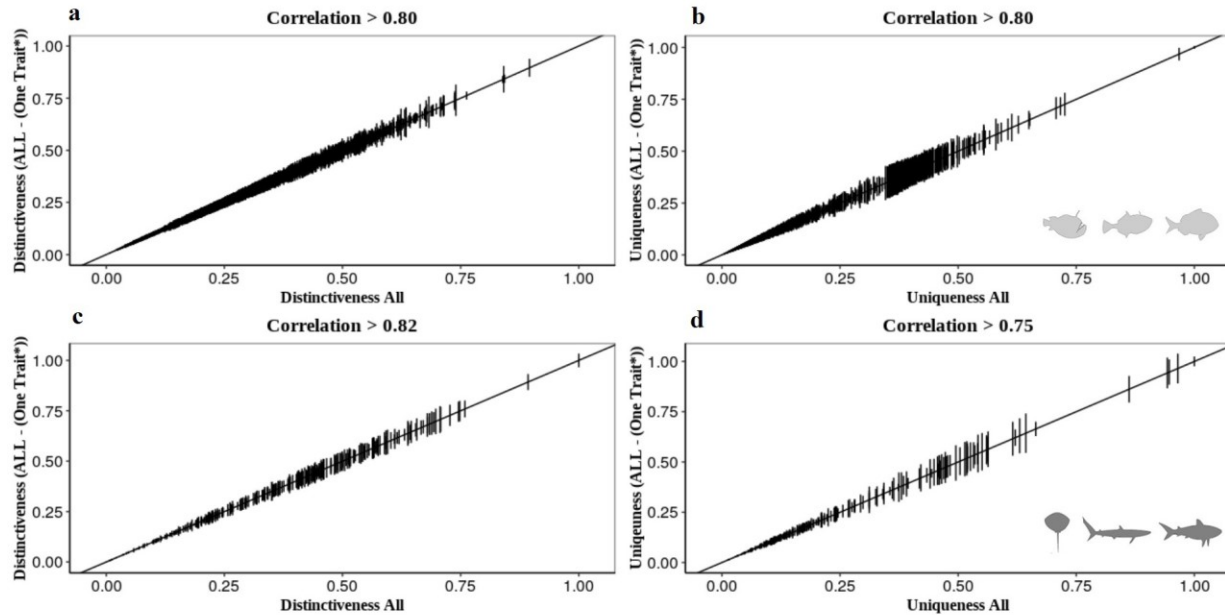


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67 **Supplementary Figure 6 | Latitudinal biogeographic distribution of the positive Standardized Effect Sizes**
 68 **(SES), found using two alternative probabilities of occurrences provided by the AquaMaps database, those were:**
 69 **Prob>0.7 (from a to d) and Prob>0.5 (from e to h). These results are for the Coastal Systems (a and b, e and f) and**
 70 **High Seas (c and d, g and h).**



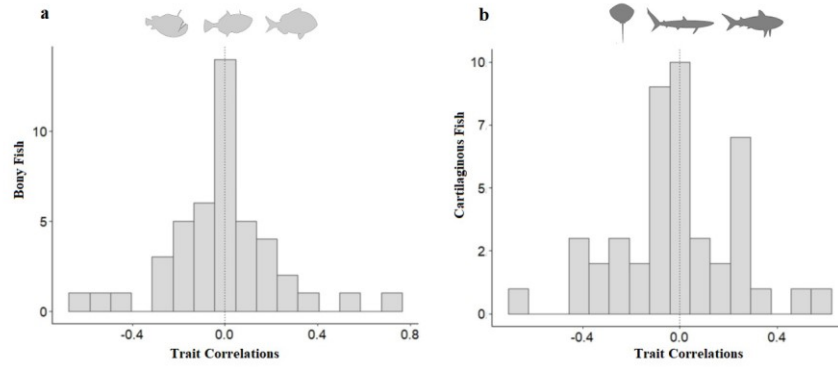
Supplementary Figure 7 | Distance decay plots for the Northwest Pacific Ocean. a and b represent the Coastal System and High Seas from the Northwest Pacific Ocean respectively, both for bony fish. For c and d we have Coastal Systems and High Seas, both for cartilaginous fish. The red dashed line represents the quantile regression.



Sensitivity analysis results of the Spearman correlations between indices computed with all 11 traits - One Trait.

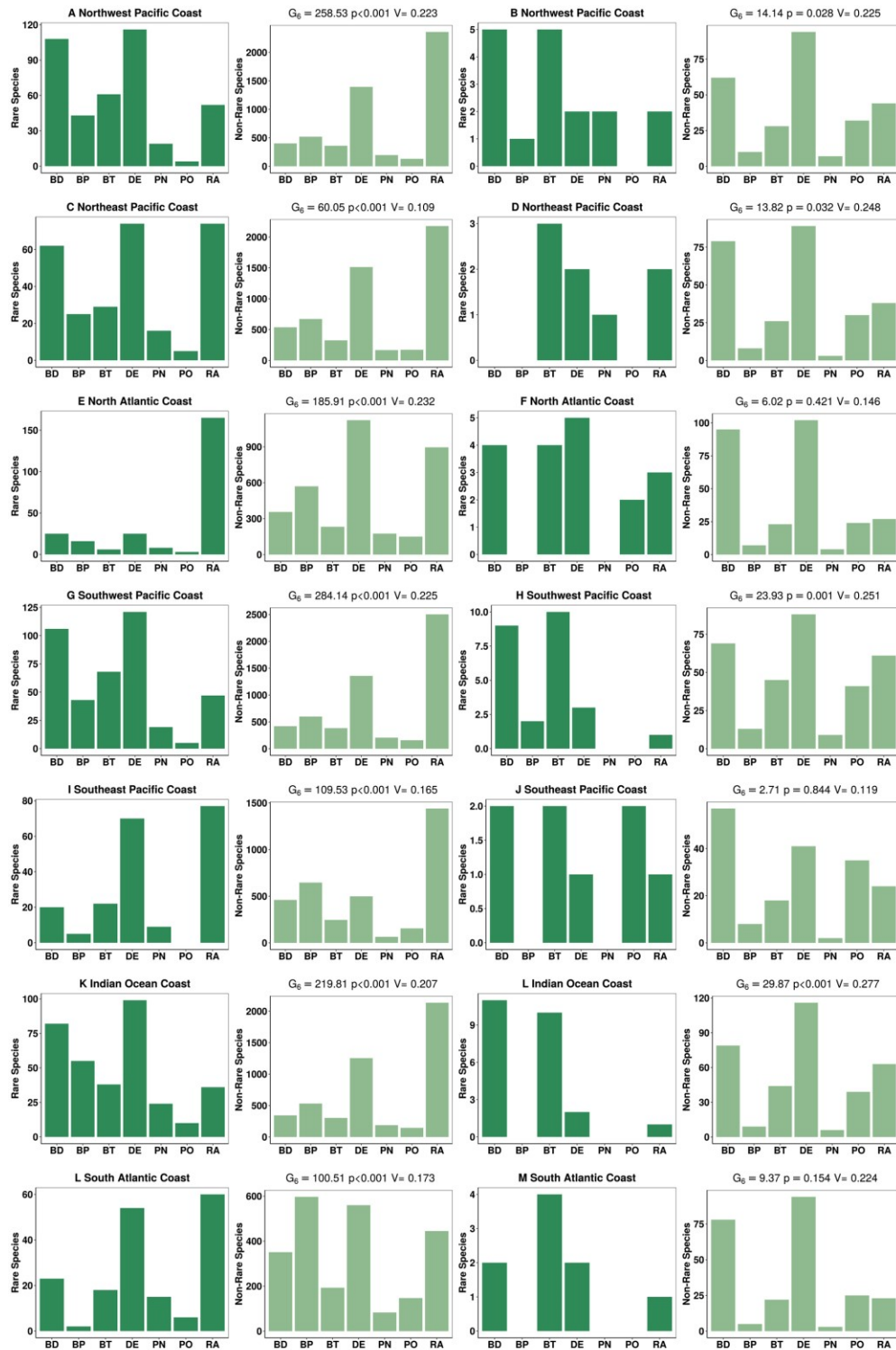
List of Correlations Made	Bony Fish		Cartilaginous Fish	
	Distinctiveness	Uniqueness	Distinctiveness	Uniqueness
All - Depth Max	0.98123	0.96198	0.95777	0.92122
All - TempPrefMean	0.90156	0.90691	0.97825	0.91983
All - (Depth Max & TempPrefMean)	0.79537	0.80303	0.89623	0.83049
All - RepGuildCombined	0.82385	0.93699	0.82407	0.93727
All - BodyShapeIII_combined	0.97034	0.84637	0.94303	0.84021
All - PositionWaterColumn	0.87066	0.89407	0.96878	0.75413
All - SwimMode	0.96507	0.94885	0.95196	0.97209

Supplementary Figure 8 | Sensitivity analysis for bony fish a (distinctiveness) and b (uniqueness), cartilaginous fish c (distinctiveness) and d (uniqueness); a visualisation and analysis using the Coastal System of the Northwest Pacific Ocean as an example. The plots illustrate the relationship between the estimates of rarity when each trait (*environmental traits: temperature and depth, and the categorical traits: reproductive guild, body shape, position in water column and swimming mode) is omitted in turn, and the value obtained with all eleven traits combined. The correlation shown above each of those was calculated between the indices found with all traits and the indices found without each of those traits. The table below the plot shows all the sensitivity analysis results found from the Spearman correlations (indices found from all traits by indices found from all traits minus one trait).



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85 **Supplementary Figure 9 | Distribution of correlations between trait values for the Actinopterygii (a) and**
 86 **Elasmobranchii (b).** These are weak and largely centered on zero, particularly for the Actinopterygii, indicating that
 87 traits provide complementary information on function. This figure shows the a priori correlation test between all 11
 88 traits, performed to clarify that the traits selected in all analyses are largely uncorrelated.



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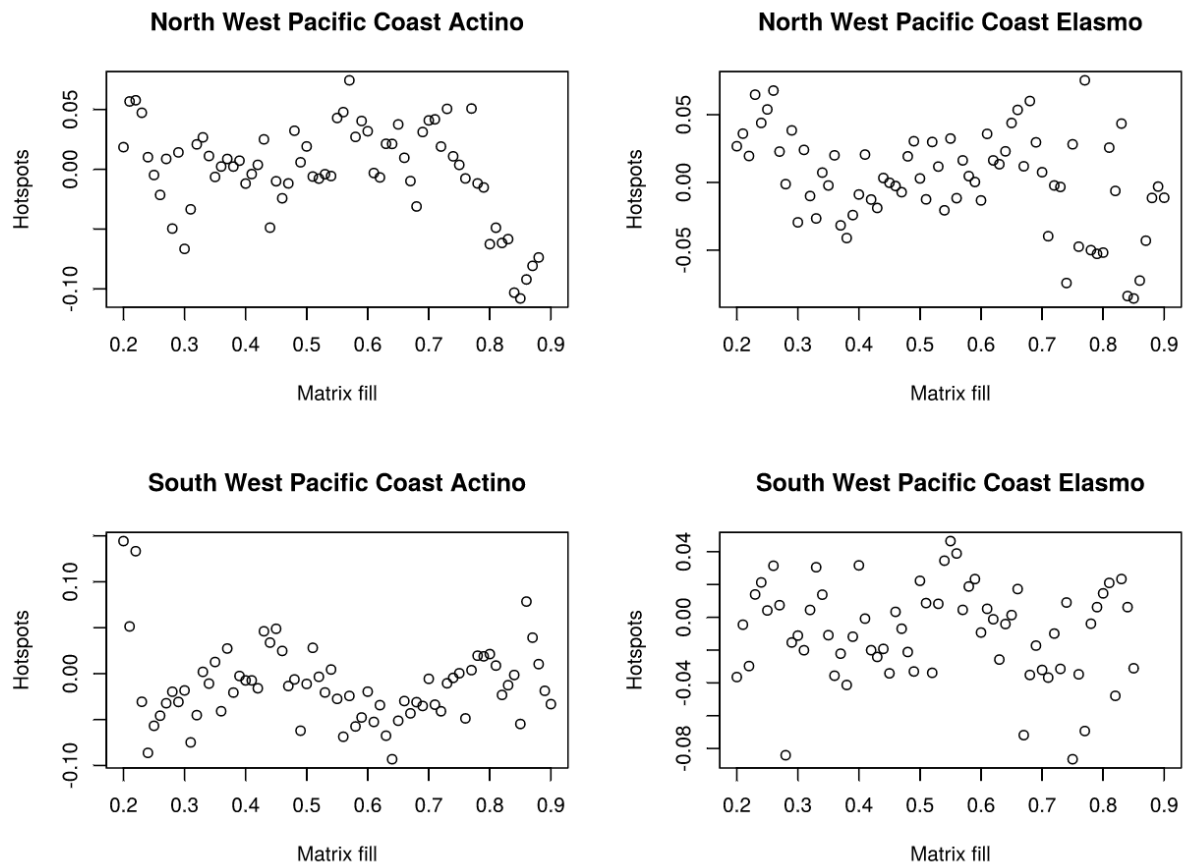
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Supplementary Figure 10 | Habitat specialization distribution for rare species (dark green) and non-rare species (light green). The columns are as follows: BD = bathydemersal, BP = bathypelagic, BT = benthopelagic, DE = demersal, PN = pelagic_neritic, PO = pelagic_oceanic and RA = reef_associated. All bony fish are represented at the left side plots and the cartilaginous fish at right side plots. These analyses were done for all seven

coastal systems. The differences between the frequency distribution between rare and non-rare species are represented between the plots for rare and non-rare species as the values from the G- tests, p-values and Cramer's V.



Supplementary Figure 11 | The relationship between the sampling effect and the observed rarity hotspots observed. This supplementary analysis asked if a random species draw (x-axis) in the locality matrix affects the estimation of rare species (y-axis). It was performed using as an example: North West Pacific Coast (bony and cartilaginous species) and South West Pacific Coast (bony and cartilaginous species). Matrix fill refers to fill of a random species while the y axis indicates the hotspots uncovered. As the plots illustrate there is no trend between the sampling effect and the identification of hotspots. These analyses were carried out in order to detect any potential bias related to sampling effect.

146 **Supplementary Tables**

147 **Supplementary Table 1 Relevant classes of categorical trait variables used for our chosen species.**

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Body Shape	Reproductive Guild	Position in Water Column	Swimming Mode
angular	bearers	benthopelagic	amiiform
circular	bearers_and_guarders	pelagic_oceanic	anguilliform
compressed	bearers_external_brooders	bathydemersal	balistiform
eel_like	bearers_internal_live_bearers	demersal	carangiform
eel_like_angular	guarders	bathypelagic	diodontiform
eel_like_circular	guarders_brood_hiders	pelagic_neritic	gymnotiform
eel_like_compressed	guarders_clutch_tenders	reef_associated	labriform
eel_like_other	guarders_nesters	pelagic	ostraciiform
eel_like_oval	guarders_open_water_substratum_egg_scatterers		rajiform
elongated	mixed		subcarangiform
elongated_angular	nonguarders		orm
elongated_circular	nonguarders_brood_hiders		tetraodontiform
elongated_compressed	nonguarders_external_brooders		orm
elongated_flattened	nonguarders_nesters		thunniform
elongated_other	nonguarders_open_water_substratum_egg_scatterers		
elongated_oval			
flattened			
fusiform_normal			
fusiform_normal_angular			
fusiform_normal_circular			
fusiform_normal_compressed			
fusiform_normal_flattened			
fusiform_normal_other			
fusiform_normal_oval			
other			
other_angular			
other_compressed			
other_flattened			
other_oval			
others_flattened			
oval			
short_and_or_deep			
short_and_or_deep_angular			
short_and_or_deep_circular			

short_and_or_deep_comp
ressed
short_and_or_deep_flatte
ned
short_and_or_deep_other
short_and_or_deep_oval

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154 **Supplementary Table 2** (Please find the full list of rare species for each system at the end of this document)

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Supplementary Methods

Code underpinning the analyses done in “Global patterns in functional rarity of marine fish”.

All data necessary to run these analyses can be found at this repository – <https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-4f734c11b14a>¹

PART 1 - R CODE USED TO RUN THE MAIN ANALYSIS

```
### Libraries #####
library(tidyverse)
library(funrar)

### functions #####

### simple function to swap between wide and long format
getMat<-function(f1) {
  widedf<-f1 %>% spread(key=GridID,value=num)
  widedf[is.na(widedf)]<-0
  return(widedf)
}

### scales given values within a group between 0 and 1
scale_value<-function(x) {
  scaled_x<-(x -min(x))/(max(x)-min(x))
  return(scaled_x)
}

### function takes the full data (get2DegSp) and subsets by both chosen probability
### (prob - between 0 and 1) and class (Elasmobranchii or Actinopterygii)
getProbClass<-function(prob, class) {
  getProb<-subset(get2DegSp, Probability > prob)

  ## merges the probability file with the 2 degree grid cells generated in ArcGIS

  probx<-merge(getProb, spCode, by="SpeciesID")
  proby<-select(probx, gridID, species, Class.x, Probability, centLat2dG, centLong2d
G)
  colnames(proby)<-c("GridID", "species", "Class", "Probability", "lat", "long")
}
```

```

226
227   getClassx<-subset(probx, Class==class)
228   getClassxy<-select(getClassx, GridID, species)
229   classxy<-getClassxy %>% distinct()
230   classxy$num<-1
231
232   ## returns the long form file containing species and grid cell
233
234   return(classxy)
235 }
236
237 ### function to return the rarity values - uniqueness, restrictedness and
238 ### global distinctiveness, both raw and scaled, for each species by region'
239 ### region is one of the coast or open ocean regions, i.e. North_Atlantic_Coast,
240 ### df is an empty dataframe
241
242   getRarityVals<-function(reg, trFile, spFile, df) {
243
244     ## spFile is generated using the getProbClass() function, subset here
245     ## based on region entered (reg)
246
247     regFile<-subset(spFile, Region==reg)
248
249     ## select only grid cells with at least 10 species
250
251     numSp<-as.data.frame(regFile %>% group_by(GridID) %>% summarise(N=sum(num)))
252     plus10<-subset(numSp, N >= 10)
253     getRegFile<-merge(regFile, plus10, by="GridID")
254
255     ## create a list of the unique species in the regional pool and use it to
256     ## subset the trait file (trFile) - this is the full species x trait dataset
257     ## for the chosen class
258
259     listRegFile<-unique(getRegFile$species)
260     tr2<-subset(trFile, Species %in% listRegFile)
261
262     ## organise the categorical variables
263
264     vr<-as.vector(unique(tr2$BodyShapIII_combined))
265     rg<-as.vector(unique(tr2$RepGuildCombined))
266     pwc<-as.vector(unique(tr2$PositionWaterColumn))
267     sm<-as.vector(unique(tr2$SwimMode))
268     tr3<-tr2
269
270     ## convert to species x trait matrix
271
272     tr4<-as.data.frame( matrix(NA, nrow(tr3), ncol(tr3),
273                               dimnames=list(row.names(tr3), names(tr3))))
274     tr4[, "K"]<-as.numeric( tr3[, "K"] )
275     tr4[, "Lm"]<-as.numeric( tr3[, "Lm"] )
276     tr4[, "QB"]<-as.numeric( tr3[, "QB"] )
277     tr4[, "Troph"]<-as.numeric( tr3[, "Troph"] )
278     tr4[, "DepthMax"]<-as.numeric( tr3[, "DepthMax"] )
279     tr4[, "TempPrefMean"]<-as.numeric( tr3[, "TempPrefMean"] )
280     tr4[, "Generation_time"]<-as.numeric( tr3[, "Generation_time"] )

```

```

281   tr4[, "BodyShapIII_combined"]<-factor(tr3[, "BodyShapIII_combined"], levels=vr, order
282   ed=FALSE)
283   tr4[, "RepGuildCombined"]<-factor(tr3[, "RepGuildCombined"], levels=rg, ordered=FALSE
284   )
285   tr4[, "PositionWaterColumn"]<-factor(tr3[, "PositionWaterColumn"], levels=pwc, orde
286   d=FALSE)
287   tr4[, "SwimMode"]<-factor(tr3[, "SwimMode"], levels=sm, ordered=FALSE)
288   tr4<-tr4[-1]
289   row.names(tr4)<-tr3[,1]
290
291   ## calculate the distance matrix for the trait file
292
293   traitT<-compute_dist_matrix(tr4, metric="gower", center=FALSE, scale=FALSE)
294
295   ## select the relevant fields from the regional file and convert to wide format
296
297   getRegFile2<-select(getRegFile, GridID, species, num)
298   xsp<-getMat(getRegFile2)
299
300   ## convert to a matrix and prepare for the funrar() function
301
302   xsp<-setNames(data.frame(t(xsp[, -1])), xsp[, 1])
303   xsp1<-as.matrix(xsp)
304   specT<-make_relative(xsp1)
305
306   ## run the functions to calculate functional rarity and global distinctiveness
307   ## using the matrices traitT and specT
308
309   specT<-specT[, rownames(traitT)]
310   regFun<-funrar(specT, traitT, rel_abund=TRUE)
311   globDist<-distinctiveness_global(traitT, di_name="global_di")
312
313   ## extract the values for uniqueness, restrictedness and global distinctiveness
314   ## and apply scale_value() function, then merge three together as a single file
315
316   uniq<-regFun$Ui
317   uniq$UiSc<-scale_value(uniq$Ui)
318   rest<-regFun$Ri
319   rest$RiSc<-scale_value(rest$Ri)
320   uniqRest<-merge(uniq, rest, by="species")
321
322   globDist$gdScale<-scale_value(globDist$global_di)
323   URGD<-merge(uniqRest, globDist, by="species")
324
325   ## add a field to identify region and coast/open ocean
326
327   URGD$reg<-reg
328
329   ## return data frame for the region
330
331   return(URGD)
332 }
333
334 ### function to calculate the top quantiles for restrictedness, distinctiveness
335 ### and uniqueness and count the number of different species that are in the

```

```

336 ### top quartile for both restrictedness and distinctiveness (GDR) and
337 ### restrictedness and uniqueness (UR). This returns a data frame with the
338 ### total species per grid cell plus number of UR and GDR species
339
340 getQuantSpecies<-function(regx, regName) {
341
342   ## get the species totals per grid cell
343
344   getNumSp<-as.data.frame(regx %>% group_by(GridID) %>%
345     summarise(spNum=n_distinct(species)))
346
347   ## calculate the quantiles for each rarity type - restrictedness (qr),
348   ## uniqueness (qu) and global distinctiveness (qd)
349
350   regx2<-unique(select(regx, -GridID))
351
352   qu<-quantile(regx2$UiSc, c(0.25, 0.5, 0.75), type=1)
353   qr<-quantile(regx2$RiSc, c(0.25, 0.5, 0.75), type=1)
354   qd<-quantile(regx2$gdScale, c(0.25, 0.5, 0.75), type=1)
355
356   ## ensure the inclusion of species with restrictedness=1
357
358   if(qr[[3]]==1 ) {qr[[3]]<-0.9999999999}
359
360   ## subset the region by species that are both unique and restricted (in
361   ## the top quartile for each)
362
363   uxr<-subset(regx, regx$UiSc>qu[[3]] & regx$RiSc>qr[[3]])
364
365   ## subset the region by species that are both distinct and restricted
366   ## (in the top quartile for each)
367
368   gdxr<-subset(regx, regx$gdScale>qd[[3]] & regx$RiSc>qr[[3]])
369
370   ## group by grid cell and total the rare (UR or GDR) species in each
371
372   getURSp<-as.data.frame(uxr %>% group_by(GridID) %>%
373     summarise(spUR=n_distinct(species)))
374   getGDRSp<-as.data.frame(gdxx %>% group_by(GridID) %>%
375     summarise(spGDR=n_distinct(species)))
376
377   ## create joins between the total species and number of rare species
378   ## per grid cell, convert NA to zeros and add a field for region name
379
380   addUR<-left_join(getNumSp, getURSp, by="GridID")
381   addGDR<-left_join(addUR, getGDRSp, by="GridID")
382   addGDR[is.na(addGDR)]<-0
383   addGDR$Region<-regName
384
385   ## return the data frame
386
387   return(addGDR)
388
389 }
390

```

```

391
392 ### files #####
393
394 ### read in the 2 degree grid cell file from Aquamaps - contains species and
395 ### species codes, this is very large ~950MB
396
397 get2DegSp<-readRDS("gridCellsSpec2Deg.rds")
398
399 ### read in the list of species, species codes and class
400
401 spCode<-read.csv("speciesClCodes.csv")[-1]
402
403 ### read in the list of oceanic regions and the grid cells that fall within each
404
405 allOceans<-read.csv("allOceansRegions.csv")[-1]
406
407 ### read the trait files for the relevant class -
408 ### uncomment out to use Actinopterygii (or change names)
409
410 tr<-read.csv("elasmobranchii_traits_global_rarity.csv") # Elasmobranchii
411 trF<-tr[-2]
412 trFile<-trF[-2]
413 #trFile<-read.csv("actino_traits_global_rarity.csv")[-1] # Actinopterygii
414
415
416 ### generate results #####
417
418 ### for Elasmobranchii first
419
420 ### run the getProbClass() function which will return the species file
421 ### ready to be merged with the oceanic regions file
422
423 doSpFile<-getProbClass(0.9, "Elasmobranchii")
424 spFile<-merge(doSpFile, allOceans, by="GridID")
425
426 ### create an empty data frame to hold results in the loop
427
428 df<-data.frame()
429
430 ### Loop through each region and calculate rarity based on the regional pool
431 ### of species
432
433 for(reg in unique(allOceans$Region)) {
434
435     getRar<-getRarityVals(reg, trFile, spFile, df)
436     df<-rbind(df, getRar)
437 }
438
439 ### can write out results file here
440
441 #saveRDS(df, "elasmobranchiiRegResults.rds")
442
443 #####
444
445 ### now Actinopterygii

```

```

446
447 ### read the trait file in here
448
449 trFile<-read.csv("actino_traits_global_rarity.csv")[-1] # Actinopterygii
450
451 ### run the getProbClass() function which will return the species file
452 ### ready to be merged with the oceanic regions file
453
454 doSpFile<-getProbClass(0.9, "Actinopterygii")
455 spFile<-merge(doSpFile, allOceans, by="GridID")
456
457 ### create an empty data frame to hold results in the loop
458
459 df<-data.frame()
460
461 ### Loop through each region and calculate rarity based on the regional pool
462 ### of species
463
464 for(reg in unique(allOceans$Region)) {
465
466     getRar<-getRarityVals(reg, trFile, spFile, df)
467     df<-rbind(df, getRar)
468 }
469
470 ### can write out results file here
471
472 #saveRDS(df, "actinoRegResults.rds")
473
474
475 ### quantiles #####
476
477
478 ### read in the combined file of the results (as above) and the grid cells
479 ### for each region
480
481 getSpID<-readRDS("elasmaGridsRes.rds")
482 getSp2<-select(getSpID, species, Region, GridID)
483 useDf<-readRDS("elasmaRegResults.rds")
484 useDf$Region<-useDf$reg
485 doDf<-select(useDf, -reg)
486 elGID<-merge(getSp2, doDf, by=c("species", "Region"))
487 saveRDS(elGID, "elasmaGridResults.rds")
488
489 ### first for Elasmobranchii
490
491 getSp<-readRDS("elasmaGridResults.rds")
492
493 ### create an empty data frame
494
495 dfG<-data.frame()
496
497 ### now the loop
498
499 for(regName in unique(getSp$Region)) {
500

```

```

501   ## subset for the region (Loops through each one)
502
503   regx<-subset(getSp, Region==regName)
504
505   ## call the function to generate the numbers of rare species and species
506   ## totals per grid cell
507
508   quantRar<-getQuantSpecies(regx, regName)
509
510   ## add to data frame
511
512   dfG<-rbind(dfG, quantRar)
513
514 }
515
516 ### can save file as an RDS
517
518 #saveRDS(dfG, "eLasmoQuantRarityNums.rds")
519
520
521 ### now for Actinopterygii
522
523 getSpID<-readRDS("actinoGridsRes.rds")
524 getSp2<-select(getSpID, species, Region, GridID)
525 useDf<-readRDS("actinoRegResults.rds")
526 useDf$Region<-useDf$reg
527 doDf<-select(useDf, -reg)
528 elGID<-merge(getSp2, doDf, by=c("species", "Region"))
529 saveRDS(elGID, "actinoGridResults.rds")
530
531 getSp<-readRDS("actinoGridResults.rds")
532
533 ### create an empty data frame
534
535 dfG<-data.frame()
536
537 ### now the Loop
538
539 for(regName in unique(getSp$Region)) {
540
541   ## subset for the region (Loops through each one)
542
543   regx<-subset(getSp, Region==regName)
544
545   ## call the function to generate the numbers of rare species and species
546   ## totals per grid cell
547
548   quantRar<-getQuantSpecies(regx, regName)
549
550   ## add to data frame
551
552   dfG<-rbind(dfG, quantRar)
553
554 }
555

```

```
556 ### can save file as an RDS  
557  
558 #saveRDS(dfG, "actinoQuantRarityNums.rds")
```

559

560

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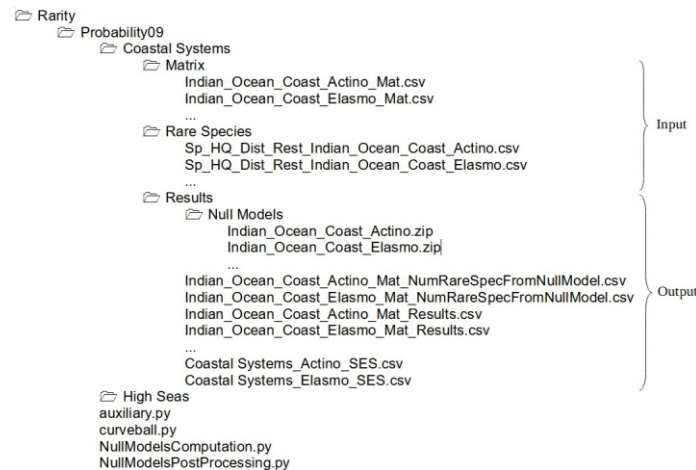
587

588

589

PART 2 - PYTHON CODE USED TO RUN THE NULL MODEL

After running the code above, use as Input for the Null Model both of the following files: 1 - The assemblage matrix for each system, save it at the “Matrix” folder (as shown at the schematic representation below), 2 – The list of rare species found for each system, save at the “Rare Species” folder. The Python code will use those standard file names to proceed with the analysis.



Schematic Representation 1 Folder's structure for the Input files and Output files.

NullModelsComputation.py

```

import os
import csv
import numpy as np
import shutil
from curveball import * # Code from Strona et al. 2014 2
from auxiliary import *

""" This file computes the null models and the resulting SES """

## INPUTS -----

Reference = "Coastal Systems " # Name of main folder
AbsencePresenceFolder = "Matrix" # Name of subfolder containing absence/presence matrix
RareSpeciesFolder = "Rare species" # Name of subfolder containing rare species list
outfolder = "Results" # Name of output subfolder (it will be automatically created if missing)

NumIter = 2000 # Number of interactions
b_SaveNullModels = True # Save all the null models or not

```

```

621 NMfolder = "Null Models"           # Name of null models folder (subfolder of outfol
622 der)
623
624 b_AddModels = False                # Specify whether to add models to previously cal
625 culated ones
626 b_setFixedSES = True               # Where no rare species occurred in the null mode
627 ls, set SES to:
628                                     #   - zero in grid cells with no real rare specie
629 s (to prevent NaN);
630                                     #   - number of real rare species in grid cells w
631 ith real rare species (to prevent inf);
632
633 ## READ FILE -----
634
635 AbsencePresenceFolder = os.path.join(Reference,AbsencePresenceFolder)
636 RareSpeciesFolder = os.path.join(Reference,RareSpeciesFolder)
637
638 # If output folder doesn't exist, create it
639 outpath = os.path.join(os.getcwd(),Reference,outfolder)
640 if not os.path.isdir(outpath):
641     os.mkdir(outpath)
642 if b_SaveNullModels:
643     NMpath = os.path.join(outpath,NMfolder)
644     if not os.path.isdir(NMpath):
645         os.mkdir(NMpath)
646
647 # Get all files in AbsencePresenceFolder
648 FileList = [file for file in os.listdir(AbsencePresenceFolder) if os.path.isfile(os.p
649 ath.join(AbsencePresenceFolder, file))]
650
651 for filename in FileList:
652
653     # Retrieve file names
654     basename = filename.split('_Mat.csv')[0]
655     AbsencePresenceFile = basename + '_Mat.csv'
656     RareSpeciesFile = "Sp_HQ_Dist_Rest_" + basename + ".csv"
657
658     print("Running %s..." % basename)
659
660     # Extract previous results under request
661     NMpath = os.path.join(outpath,NMfolder,basename)
662     extractpath = os.path.join(outpath,NMfolder,basename)
663     if b_AddModels:
664         shutil.unpack_archive(NMpath + '.zip', extractpath)

```

```

665         kstart = len([file for file in os.listdir(extractpath) if os.path.isfile(os.p
666 ath.join(extractpath, file))])+1
667     else:
668         if os.path.isdir(extractpath):
669             shutil.rmtree(extractpath)
670         kstart = 0
671
672     # Import rare species
673     RareSpecs = []
674     with open(os.path.join(RareSpeciesFolder, RareSpeciesFile)) as csv_file:
675         csv_reader = csv.reader(csv_file, delimiter=',')
676         for row in csv_reader:
677             RareSpecs.append(row)
678
679     del(RareSpecs[0])
680     for i in range(len(RareSpecs)):
681         del(RareSpecs[i][:1])
682     RareSpecs = [x[0] for x in RareSpecs]
683
684     # Import absence/presence file
685     FileContent = []
686     with open(os.path.join(AbsencePresenceFolder, AbsencePresenceFile)) as csv_file:
687         csv_reader = csv.reader(csv_file, delimiter=',')
688         for row in csv_reader:
689             FileContent.append(row)
690
691     # Find Columns with Rare Species
692     TotSpecies = FileContent[0][2:]
693     RareSpecCol = [TotSpecies.index(x) for x in RareSpecs]
694
695     # Get GridCells
696     GridCells = [FileContent[x][1] for x in range(1,len(FileContent))]
697
698     # Get the absence/presence matrix
699     del(FileContent[0])
700     for i in range(len(FileContent)):
701         del(FileContent[i][:2])
702
703     Nrow = len(FileContent)
704     Ncol = len(FileContent[0])
705
706     M = np.zeros((Nrow,Ncol))
707     for i in range(Nrow):
708         for j in range(Ncol):
709             M[i,j] = float(FileContent[i][j])

```

```

710
711     ## CALCULATE -----
712
713     # Generate subfolder for saving null models for the current filename
714     if b_SaveNullModels:
715         NMpath = os.path.join(outpath, NMfolder, basename)
716         if not os.path.isdir(NMpath):
717             os.mkdir(NMpath)
718
719     # Generate the Null Models
720     r_hp = find_presences(M)
721     NumRareSpec = np.zeros((len(GridCells), NumIter))
722     for k in range(NumIter):
723         # Get Null Model
724         RM = curve_ball(M, r_hp)
725         if b_SaveNullModels:
726             fname = os.path.join(NMpath, os.path.splitext(AbsencePresenceFile)[0] + "_
727 NM_%04.0f" % (kstart+k) + ".csv")
728             NM = concatenate_list([GridCells, RM.tolist()])
729             header = ["GridID"] + TotSpecies
730             csvwrite(fname, NM, header)
731         # Get Number of rare species for each grid cell
732         RM_RareSpecs = RM[:, RareSpecCol]
733         NumRareSpec[:, k] = np.sum(RM_RareSpecs, axis=1)
734
735     # Load previous results and merge with current ones
736     if b_AddModels:
737         fname = os.path.join(outpath, os.path.splitext(AbsencePresenceFile)[0] + "_Num
738 RareSpecFromNullModel.csv")
739         NumRareSpecFromFile = []
740         with open(fname) as csv_file:
741             csv_reader = csv.reader(csv_file, delimiter=',')
742             for row in csv_reader:
743                 NumRareSpecFromFile.append(row)
744         del(NumRareSpecFromFile[0])
745         for i in range(len(NumRareSpecFromFile)):
746             del(NumRareSpecFromFile[i][:3])
747         NumRareSpecFromFileArray = np.zeros((Nrow, len(NumRareSpecFromFile[0])))
748         for i in range(Nrow):
749             for j in range(len(NumRareSpecFromFile[0])):
750                 NumRareSpecFromFileArray[i, j] = float(NumRareSpecFromFile[i][j])
751         NumRareSpec = np.concatenate((NumRareSpecFromFileArray, NumRareSpec), axis=1)
752
753     # Calculate SES
754     NumRareSpecReal = np.sum(M[:, RareSpecCol], axis=1)

```

```

755     AvgNumRareSpecs = np.mean(NumRareSpec,axis=1)
756     StdNumRareSpecs = np.std(NumRareSpec,axis=1)
757     SES = (NumRareSpecReal - AvgNumRareSpecs)/StdNumRareSpecs
758
759     # Set SES to zero in grid cells where no rare species occurred (neither real nor
760 in null models)
761     # Set SES to no. of real rare species in grid cells where no rare species occurred
762 in null models
763     if b_setFixedSES:
764         SES[np.isnan(SES)] = 0
765         SES[np.isinf(SES)] = NumRareSpecReal[np.isinf(SES)]
766
767     # Save Results
768     fname = os.path.join(outpath,os.path.splitext(AbsencePresenceFile)[0] + "_NumRare
769 SpecFromNullModel.csv")
770     filecontent = concatenate_list([NumRareSpecReal.tolist(),SES.tolist(),GridCells,Num
771 rareSpec.tolist()])
772     header = ["Real","SES","GridID"] + ["NM_%04.0f" % x for x in range(len(NumRareSpec
773 c[0]))]
774     csvwrite(fname,filecontent,header)
775
776     fname = os.path.join(outpath,os.path.splitext(AbsencePresenceFile)[0] + "_Results
777 .csv")
778     filecontent = concatenate_list([GridCells,NumRareSpecReal.tolist(),SES.tolist(),[
779 basename for x in range(Nrow)])]
780     header = ["GridID","Real","SES",Reference]
781     csvwrite(fname,filecontent,header)
782
783     if b_SaveNullModels:
784         # zip results
785         shutil.make_archive(NMpath, 'zip', NMpath)
786         # delete folder
787         shutil.rmtree(NMpath)
788
789 print("Done.")
790

```

792 NullModelsPostProcessing.py

```

793 import os
794 import csv
795 import numpy as np
796 import shutil
797 from auxiliary import *
798

```

```

799 """ This file gathers the resulting SES for each system in a single file,
800     one for Actino and one for Elasmos"""
801
802 ## INPUTS -----
803
804 Reference = "Coastal Systems " # Name of main folder
805 outfolder = "Results"         # Name of output subfolder
806
807 ## READ FILE -----
808
809 outfolder = os.path.join(Reference,outfolder)
810 FileList = [file for file in os.listdir(outfolder) if file.endswith("_NumRareSpecFrom
811 NullModel.csv")]
812 SubsetNames = ["Actino","Elasmo"]
813 Subsets = [[file for file in FileList if Subset in file] for Subset in SubsetNames] #
814 [ActinoFiles,ElasmoFiles]
815
816 # Loop Actino and Elasmos separately
817 for kk in range(len(Subsets)):
818
819     basename = []
820     GridCells = []
821     NumRareSpecReal = []
822     SES = []
823
824     # Read the data from all files
825     for filename in Subsets[kk]:
826
827         # Retrieve file names
828         basename = filename.split("_Mat_NumRareSpecFromNullModel.csv")[0]
829
830         print("Loading %s..." % basename)
831
832         # Import Results file
833         FileContent = []
834         with open(os.path.join(outfolder, filename)) as csv_file:
835             csv_reader = csv.reader(csv_file, delimiter=',')
836             for row in csv_reader:
837                 FileContent.append(row)
838
839         # Get Real Number Of Rare Species
840         NumRareSpecReal.append([FileContent[x][0] for x in range(1,len(FileContent))])
841     )
842
843     # Get SES

```

```

844     SES.append([float(FileContent[x][1]) for x in range(1,len(FileContent))])
845
846     # Get GridCells
847     GridCells.append([FileContent[x][2] for x in range(1,len(FileContent))])
848
849     # Get max and min overall SES
850     minSES = min([min(SES[x]) for x in range(len(SES))])
851     maxSES = max([max(SES[x]) for x in range(len(SES))])
852
853     # Start writing file
854     fname = os.path.join(outfolder,Reference + "_" + SubsetNames[kk] + "_SES.csv")
855     header = ["GridID","Real ", "SES ",Reference]
856     f = open(fname, 'w')
857     writer = csv.writer(f, lineterminator = '\n')
858     writer.writerow(header)
859
860     # Calculate the scaled SES
861     for k in range(len(Subsets[kk])):
862
863         filename = Subsets[kk][k]
864         basename = filename.split("_Mat_NumRareSpecFromNullModel.csv")[0]
865         Nrow = len(GridCells[k])
866
867         # Save Results
868         filecontent = concatenate_list([GridCells[k],NumRareSpecReal[k],SES[k],[basen
869 ame for x in range(Nrow)]]])
870         writer.writerows(filecontent)
871         f.close()
872
873     print("Done.")
874

```

875 auxiliary.py

```

876 import csv
877
878 """ Auxiliary functions for null model computations """
879
880 def csvwrite(filename, data, header):
881     writer = csv.writer(open(filename, 'w'), lineterminator = '\n')
882     writer.writerow(header)
883     writer.writerows(data)
884
885 def concatenate_list(data):
886     # Check format of input

```

```
887     for i in range(len(data)):
888         if not isinstance(data[i][0], list):
889             data[i] = [[x] for x in data[i]]
890     # Concatenate by column
891     M = data[0]
892     for j in range(1, len(data)):
893         for i in range(len(M)):
894             M[i].extend(data[j][i])
895     return(M)
896
```

897

898 Supplementary References

899

- 900 1 Trindade-Santos, I., Moyes, F. & Magurran, A. Data Underpinning Global patterns in functional rarity of
901 marine fish. University of St Andrews, doi: [https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-](https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-4f734c11b14a)
902 [4f734c11b14a](https://doi.org/10.17630/397bc872-f7de-4ded-9ed8-4f734c11b14a) (2022).
- 903 2 Strona, G., Nappo, D., Boccacci, F., Fattorini, S. & San-Miguel-Ayanz, J. A fast and unbiased procedure to
904 randomize ecological binary matrices with fixed row and column totals. *Nature communications* **5**, 1-9
905 (2014).

906

Supplementary Table 2 List of rare species found for each System and Class, the indices used here were restrictedness and distinctiveness, and probability higher than 0.9.

Rare Species	System	Class
<i>Acanthanectes hystrix</i>	Indian Ocean Coast	Actinopterygii
<i>Adventor elongatus</i>	Indian Ocean Coast	Actinopterygii
<i>Alabes elongata</i>	Indian Ocean Coast	Actinopterygii
<i>Alabes gibbosa</i>	Indian Ocean Coast	Actinopterygii
<i>Alepocephalus blanfordii</i>	Indian Ocean Coast	Actinopterygii
<i>Alepocephalus productus</i>	Indian Ocean Coast	Actinopterygii
<i>Allenichthys glauerti</i>	Indian Ocean Coast	Actinopterygii
<i>Allocyttus guineensis</i>	Indian Ocean Coast	Actinopterygii
<i>Allocyttus niger</i>	Indian Ocean Coast	Actinopterygii
<i>Amblyeleotris latifasciata</i>	Indian Ocean Coast	Actinopterygii
<i>Amblygobius stethophthalmus</i>	Indian Ocean Coast	Actinopterygii
<i>Andamia heteroptera</i>	Indian Ocean Coast	Actinopterygii
<i>Anguilla australis</i>	Indian Ocean Coast	Actinopterygii
<i>Anguilla celebesensis</i>	Indian Ocean Coast	Actinopterygii
<i>Anguilla nebulosa</i>	Indian Ocean Coast	Actinopterygii
<i>Anguilla reinhardtii</i>	Indian Ocean Coast	Actinopterygii
<i>Antigonia rhomboidea</i>	Indian Ocean Coast	Actinopterygii
<i>Aphanopus microphthalmus</i>	Indian Ocean Coast	Actinopterygii
<i>Apogonichthyoides brevicaudatus</i>	Indian Ocean Coast	Actinopterygii
<i>Apopterygion alta</i>	Indian Ocean Coast	Actinopterygii
<i>Argyrosomus hololepidotus</i>	Indian Ocean Coast	Actinopterygii
<i>Argyrosomus inodorus</i>	Indian Ocean Coast	Actinopterygii
<i>Argyrosomus regius</i>	Indian Ocean Coast	Actinopterygii
<i>Ariomma parini</i>	Indian Ocean Coast	Actinopterygii
<i>Ariosoma sokotranum</i>	Indian Ocean Coast	Actinopterygii
<i>Arius gagora</i>	Indian Ocean Coast	Actinopterygii
<i>Arothron carduus</i>	Indian Ocean Coast	Actinopterygii
<i>Arotrolepis filicauda</i>	Indian Ocean Coast	Actinopterygii
<i>Aspasmogaster occidentalis</i>	Indian Ocean Coast	Actinopterygii
<i>Assiculoides desmonotus</i>	Indian Ocean Coast	Actinopterygii
<i>Asterropteryx atripes</i>	Indian Ocean Coast	Actinopterygii
<i>Bathophilus vaillanti</i>	Indian Ocean Coast	Actinopterygii
<i>Bathyaploactis curtisensis</i>	Indian Ocean Coast	Actinopterygii
<i>Bathycongrus macrocercus</i>	Indian Ocean Coast	Actinopterygii
<i>Bathycongrus nasicus</i>	Indian Ocean Coast	Actinopterygii
<i>Bathhydraco macrolepis</i>	Indian Ocean Coast	Actinopterygii
<i>Bathygobius karachiensis</i>	Indian Ocean Coast	Actinopterygii
<i>Bathyonus laticeps</i>	Indian Ocean Coast	Actinopterygii
<i>Bathyphylax omen</i>	Indian Ocean Coast	Actinopterygii
<i>Bathypterois filiferus</i>	Indian Ocean Coast	Actinopterygii
<i>Bathypterois grallator</i>	Indian Ocean Coast	Actinopterygii
<i>Bathypterois longipes</i>	Indian Ocean Coast	Actinopterygii
<i>Bathypterois phenax</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Bathytroctes microlepis</i>	Indian Ocean Coast	Actinopterygii
<i>Bathytrophops sewelli</i>	Indian Ocean Coast	Actinopterygii
<i>Benthodesmus macrophthalmus</i>	Indian Ocean Coast	Actinopterygii
<i>Bothus podas</i>	Indian Ocean Coast	Actinopterygii
<i>Brachionichthys australis</i>	Indian Ocean Coast	Actinopterygii
<i>Bryaninops nexus</i>	Indian Ocean Coast	Actinopterygii
<i>Bufoceratias wedli</i>	Indian Ocean Coast	Actinopterygii
<i>Callionymus tenuis</i>	Indian Ocean Coast	Actinopterygii
<i>Campichthys tricarinatus</i>	Indian Ocean Coast	Actinopterygii
<i>Careproctus albescens</i>	Indian Ocean Coast	Actinopterygii
<i>Careproctus improvisus</i>	Indian Ocean Coast	Actinopterygii
<i>Careproctus vladibeckeri</i>	Indian Ocean Coast	Actinopterygii
<i>Cataetyx bruuni</i>	Indian Ocean Coast	Actinopterygii
<i>Cataetyx laticeps</i>	Indian Ocean Coast	Actinopterygii
<i>Cataetyx niki</i>	Indian Ocean Coast	Actinopterygii
<i>Chaenophryne ramifera</i>	Indian Ocean Coast	Actinopterygii
<i>Champsocephalus gunnari</i>	Indian Ocean Coast	Actinopterygii
<i>Chaunacops coloratus</i>	Indian Ocean Coast	Actinopterygii
<i>Chaunacops melanostomus</i>	Indian Ocean Coast	Actinopterygii
<i>Chaunax nebulosus</i>	Indian Ocean Coast	Actinopterygii
<i>Chelon tricuspidens</i>	Indian Ocean Coast	Actinopterygii
<i>Chlidichthys rubiceps</i>	Indian Ocean Coast	Actinopterygii
<i>Chlorurus microrhinos</i>	Indian Ocean Coast	Actinopterygii
<i>Chlorurus troschelii</i>	Indian Ocean Coast	Actinopterygii
<i>Choeroichthys suillus</i>	Indian Ocean Coast	Actinopterygii
<i>Chrysoblephus cristiceps</i>	Indian Ocean Coast	Actinopterygii
<i>Cirrhilabrus joanallenae</i>	Indian Ocean Coast	Actinopterygii
<i>Cirrhimuraena tapeinoptera</i>	Indian Ocean Coast	Actinopterygii
<i>Cirripectes randalli</i>	Indian Ocean Coast	Actinopterygii
<i>Coelorinchus fasciatus</i>	Indian Ocean Coast	Actinopterygii
<i>Coelorinchus innotabilis</i>	Indian Ocean Coast	Actinopterygii
<i>Coelorinchus kaiyomaru</i>	Indian Ocean Coast	Actinopterygii
<i>Coloconger eximia</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides ferrieri</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides hoskynii</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides lecointei</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides marshalli</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides rudis</i>	Indian Ocean Coast	Actinopterygii
<i>Coryphaenoides serrulatus</i>	Indian Ocean Coast	Actinopterygii
<i>Cosmocampus retropinnis</i>	Indian Ocean Coast	Actinopterygii
<i>Cottunculus spinosus</i>	Indian Ocean Coast	Actinopterygii
<i>Crenimugil heterocheilos</i>	Indian Ocean Coast	Actinopterygii
<i>Danaphryne nigrifilis</i>	Indian Ocean Coast	Actinopterygii
<i>Dentex gibbosus</i>	Indian Ocean Coast	Actinopterygii
<i>Dermatopsoidea morrisonae</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Dibranchus atlanticus</i>	Indian Ocean Coast	Actinopterygii
<i>Dibranchus nasutus</i>	Indian Ocean Coast	Actinopterygii
<i>Dibranchus tremendus</i>	Indian Ocean Coast	Actinopterygii
<i>Dicentrarchus punctatus</i>	Indian Ocean Coast	Actinopterygii
<i>Dicrolene introniger</i>	Indian Ocean Coast	Actinopterygii
<i>Dieidolycus leptodermatus</i>	Indian Ocean Coast	Actinopterygii
<i>Diplecogaster tonstricula</i>	Indian Ocean Coast	Actinopterygii
<i>Diretmoides pauciradiatus</i>	Indian Ocean Coast	Actinopterygii
<i>Dodekablenos fraseri</i>	Indian Ocean Coast	Actinopterygii
<i>Dolichosudis fuliginosa</i>	Indian Ocean Coast	Actinopterygii
<i>Dolopichthys pullatus</i>	Indian Ocean Coast	Actinopterygii
<i>Dysalotus oligoscolus</i>	Indian Ocean Coast	Actinopterygii
<i>Dysomma bucephalus</i>	Indian Ocean Coast	Actinopterygii
<i>Echelus pachyrhynchus</i>	Indian Ocean Coast	Actinopterygii
<i>Ecsenius aroni</i>	Indian Ocean Coast	Actinopterygii
<i>Ecsenius dentex</i>	Indian Ocean Coast	Actinopterygii
<i>Ecsenius lubbocki</i>	Indian Ocean Coast	Actinopterygii
<i>Ecsenius paroculus</i>	Indian Ocean Coast	Actinopterygii
<i>Eleotris lutea</i>	Indian Ocean Coast	Actinopterygii
<i>Ematops randalli</i>	Indian Ocean Coast	Actinopterygii
<i>Enchelybrotula paucidens</i>	Indian Ocean Coast	Actinopterygii
<i>Engraulis capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Engraulis encrasicolus</i>	Indian Ocean Coast	Actinopterygii
<i>Enigmacanthus filamentosus</i>	Indian Ocean Coast	Actinopterygii
<i>Enneapterygius kosiensis</i>	Indian Ocean Coast	Actinopterygii
<i>Enneapterygius qirmiz</i>	Indian Ocean Coast	Actinopterygii
<i>Enneapterygius zieglerei</i>	Indian Ocean Coast	Actinopterygii
<i>Entomacrodus lemuria</i>	Indian Ocean Coast	Actinopterygii
<i>Epinephelus caninus</i>	Indian Ocean Coast	Actinopterygii
<i>Eubalichthys bucephalus</i>	Indian Ocean Coast	Actinopterygii
<i>Eubalichthys caeruleoguttatus</i>	Indian Ocean Coast	Actinopterygii
<i>Eugnathogobius illois</i>	Indian Ocean Coast	Actinopterygii
<i>Eugnathogobius variegatus</i>	Indian Ocean Coast	Actinopterygii
<i>Eurypleuron owasianum</i>	Indian Ocean Coast	Actinopterygii
<i>Eustomias lipochirus</i>	Indian Ocean Coast	Actinopterygii
<i>Eusurculus andamanensis</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota afelei</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota atriventris</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota lachdeberiei</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota latifasciata</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota rubriceps</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota rubrisparsa</i>	Indian Ocean Coast	Actinopterygii
<i>Eviota sodwanaensis</i>	Indian Ocean Coast	Actinopterygii
<i>Genypterus blacodes</i>	Indian Ocean Coast	Actinopterygii
<i>Genypterus capensis</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Genypterus tigerinus</i>	Indian Ocean Coast	Actinopterygii
<i>Gigantactis elsmanni</i>	Indian Ocean Coast	Actinopterygii
<i>Gigantactis krefftii</i>	Indian Ocean Coast	Actinopterygii
<i>Gigantactis vanhoeffeni</i>	Indian Ocean Coast	Actinopterygii
<i>Gobiodon albofasciatus</i>	Indian Ocean Coast	Actinopterygii
<i>Gobiodon ater</i>	Indian Ocean Coast	Actinopterygii
<i>Gobionotothen acuta</i>	Indian Ocean Coast	Actinopterygii
<i>Gobionotothen gibberifrons</i>	Indian Ocean Coast	Actinopterygii
<i>Gobionotothen marionensis</i>	Indian Ocean Coast	Actinopterygii
<i>Gyrinomimus grahami</i>	Indian Ocean Coast	Actinopterygii
<i>Halichoeres claudia</i>	Indian Ocean Coast	Actinopterygii
<i>Haliichthys taeniophorus</i>	Indian Ocean Coast	Actinopterygii
<i>Halosaurus attenuatus</i>	Indian Ocean Coast	Actinopterygii
<i>Halosaurus guentheri</i>	Indian Ocean Coast	Actinopterygii
<i>Harpadon squamosus</i>	Indian Ocean Coast	Actinopterygii
<i>Harpagifer kerguelensis</i>	Indian Ocean Coast	Actinopterygii
<i>Helcogramma capidata</i>	Indian Ocean Coast	Actinopterygii
<i>Helcogramma maldivensis</i>	Indian Ocean Coast	Actinopterygii
<i>Helicolenus mouchezi</i>	Indian Ocean Coast	Actinopterygii
<i>Heteroleotris bipunctata</i>	Indian Ocean Coast	Actinopterygii
<i>Heteroleotris georgegilli</i>	Indian Ocean Coast	Actinopterygii
<i>Heteroclinus johnstoni</i>	Indian Ocean Coast	Actinopterygii
<i>Himantolophus albinare</i>	Indian Ocean Coast	Actinopterygii
<i>Himantolophus paucifilosus</i>	Indian Ocean Coast	Actinopterygii
<i>Himantolophus rostratus</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus bargibanti</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus biocellatus</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus camelopardalis</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus comes</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus jayakari</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus minotaur</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus montebelloensis</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus multispinus</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus satomiae</i>	Indian Ocean Coast	Actinopterygii
<i>Hippocampus subelongatus</i>	Indian Ocean Coast	Actinopterygii
<i>Histiobranchus bathybius</i>	Indian Ocean Coast	Actinopterygii
<i>Holcomycteronus profundissimus</i>	Indian Ocean Coast	Actinopterygii
<i>Hyporhamphus erythrorinchus</i>	Indian Ocean Coast	Actinopterygii
<i>Hyporhamphus picarti</i>	Indian Ocean Coast	Actinopterygii
<i>Hyporthodus haifensis</i>	Indian Ocean Coast	Actinopterygii
<i>Hypsognathus horridus</i>	Indian Ocean Coast	Actinopterygii
<i>Ijimaia loppei</i>	Indian Ocean Coast	Actinopterygii
<i>Ipnops murrayi</i>	Indian Ocean Coast	Actinopterygii
<i>Istiblennius rivulatus</i>	Indian Ocean Coast	Actinopterygii
<i>Istiblennius unicolor</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Jaydia melanopus</i>	Indian Ocean Coast	Actinopterygii
<i>Kajikia albida</i>	Indian Ocean Coast	Actinopterygii
<i>Kuiterichthys furcipilis</i>	Indian Ocean Coast	Actinopterygii
<i>Kyphosus gladius</i>	Indian Ocean Coast	Actinopterygii
<i>Labichthys carinatus</i>	Indian Ocean Coast	Actinopterygii
<i>Lampadena dea</i>	Indian Ocean Coast	Actinopterygii
<i>Lepidion microcephalus</i>	Indian Ocean Coast	Actinopterygii
<i>Leptocephalus giganteus</i>	Indian Ocean Coast	Actinopterygii
<i>Leptocephalus ophichthoides</i>	Indian Ocean Coast	Actinopterygii
<i>Leptostomias longibarba</i>	Indian Ocean Coast	Actinopterygii
<i>Lepturacanthus pantului</i>	Indian Ocean Coast	Actinopterygii
<i>Lestidiops similis</i>	Indian Ocean Coast	Actinopterygii
<i>Lindbergichthys mizops</i>	Indian Ocean Coast	Actinopterygii
<i>Linophryne arcturi</i>	Indian Ocean Coast	Actinopterygii
<i>Linophryne densiramus</i>	Indian Ocean Coast	Actinopterygii
<i>Linophryne pennibarbata</i>	Indian Ocean Coast	Actinopterygii
<i>Linophryne racemifera</i>	Indian Ocean Coast	Actinopterygii
<i>Lobulogobius morrigo</i>	Indian Ocean Coast	Actinopterygii
<i>Lophius vomerinus</i>	Indian Ocean Coast	Actinopterygii
<i>Lophotus capellei</i>	Indian Ocean Coast	Actinopterygii
<i>Luciobrotula corethromycter</i>	Indian Ocean Coast	Actinopterygii
<i>Luciobrotula nolfi</i>	Indian Ocean Coast	Actinopterygii
<i>Lycenchelys hureaui</i>	Indian Ocean Coast	Actinopterygii
<i>Lycodonus vermiformis</i>	Indian Ocean Coast	Actinopterygii
<i>Macrourus carinatus</i>	Indian Ocean Coast	Actinopterygii
<i>Macruronus capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Macruronus novaezelandiae</i>	Indian Ocean Coast	Actinopterygii
<i>Magnisudis atlantica</i>	Indian Ocean Coast	Actinopterygii
<i>Maurolicus mucronatus</i>	Indian Ocean Coast	Actinopterygii
<i>Melamphaes suborbitalis</i>	Indian Ocean Coast	Actinopterygii
<i>Melanocetus murrayi</i>	Indian Ocean Coast	Actinopterygii
<i>Merluccius capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Merluccius paradoxus</i>	Indian Ocean Coast	Actinopterygii
<i>Micrognathus micronotopterus</i>	Indian Ocean Coast	Actinopterygii
<i>Microlophichthys microlophus</i>	Indian Ocean Coast	Actinopterygii
<i>Microphis lineatus</i>	Indian Ocean Coast	Actinopterygii
<i>Mitotichthys tuckeri</i>	Indian Ocean Coast	Actinopterygii
<i>Monomitopus longiceps</i>	Indian Ocean Coast	Actinopterygii
<i>Monomitopus vitiazi</i>	Indian Ocean Coast	Actinopterygii
<i>Mugilogobius littoralis</i>	Indian Ocean Coast	Actinopterygii
<i>Muraenolepis microps</i>	Indian Ocean Coast	Actinopterygii
<i>Mycteroperca rubra</i>	Indian Ocean Coast	Actinopterygii
<i>Myersina crocata</i>	Indian Ocean Coast	Actinopterygii
<i>Nannocampus subosseus</i>	Indian Ocean Coast	Actinopterygii
<i>Nemadactylus vema</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Neobythites multistriatus</i>	Indian Ocean Coast	Actinopterygii
<i>Neocaristius heemstrai</i>	Indian Ocean Coast	Actinopterygii
<i>Neocyema erythrosoma</i>	Indian Ocean Coast	Actinopterygii
<i>Neomerinthe bauchotae</i>	Indian Ocean Coast	Actinopterygii
<i>Nerophis maculatus</i>	Indian Ocean Coast	Actinopterygii
<i>Nesogobius maccullochi</i>	Indian Ocean Coast	Actinopterygii
<i>Nezumia brevibarbata</i>	Indian Ocean Coast	Actinopterygii
<i>Nezumia sclerorhynchus</i>	Indian Ocean Coast	Actinopterygii
<i>Nezumia umbracincta</i>	Indian Ocean Coast	Actinopterygii
<i>Notomuraenobathys microcephalus</i>	Indian Ocean Coast	Actinopterygii
<i>Nototheniops larseni</i>	Indian Ocean Coast	Actinopterygii
<i>Obliquogobius turkayi</i>	Indian Ocean Coast	Actinopterygii
<i>Odontamblyopus rubicundus</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes anisacanthus</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes carlsbergi</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes eschrichtii</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes macrosteus</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes myrionemus</i>	Indian Ocean Coast	Actinopterygii
<i>Oneirodes theodoritissieri</i>	Indian Ocean Coast	Actinopterygii
<i>Opistognathus cyanospilotus</i>	Indian Ocean Coast	Actinopterygii
<i>Orcynopsis unicolor</i>	Indian Ocean Coast	Actinopterygii
<i>Ostorhinchus melanoproctus</i>	Indian Ocean Coast	Actinopterygii
<i>Pachycara crassiceps</i>	Indian Ocean Coast	Actinopterygii
<i>Pagrus pagrus</i>	Indian Ocean Coast	Actinopterygii
<i>Parablennius cyclops</i>	Indian Ocean Coast	Actinopterygii
<i>Parabrotula plagiophthalma</i>	Indian Ocean Coast	Actinopterygii
<i>Paracaristius maderensis</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis antarcticus</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis charcoti</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis costatus</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis gomoni</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis obliquosus</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis operculosus</i>	Indian Ocean Coast	Actinopterygii
<i>Paraliparis valentinae</i>	Indian Ocean Coast	Actinopterygii
<i>Paraluteres arqat</i>	Indian Ocean Coast	Actinopterygii
<i>Paraploactis intonsa</i>	Indian Ocean Coast	Actinopterygii
<i>Paraploactis trachyderma</i>	Indian Ocean Coast	Actinopterygii
<i>Paxton concilians</i>	Indian Ocean Coast	Actinopterygii
<i>Pegasus lancifer</i>	Indian Ocean Coast	Actinopterygii
<i>Penopus microphthalmus</i>	Indian Ocean Coast	Actinopterygii
<i>Peristrominous dolosus</i>	Indian Ocean Coast	Actinopterygii
<i>Photocorynus spiniceps</i>	Indian Ocean Coast	Actinopterygii
<i>Photostomias guernei</i>	Indian Ocean Coast	Actinopterygii
<i>Phyllorhinichthys balushkini</i>	Indian Ocean Coast	Actinopterygii
<i>Platycephalus chauliodous</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Plectroglyphidodon randalli</i>	Indian Ocean Coast	Actinopterygii
<i>Polyipnus bruuni</i>	Indian Ocean Coast	Actinopterygii
<i>Pomacentrus limosus</i>	Indian Ocean Coast	Actinopterygii
<i>Porogadus melanocephalus</i>	Indian Ocean Coast	Actinopterygii
<i>Poromitra crassiceps</i>	Indian Ocean Coast	Actinopterygii
<i>Praealticus triangulus</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudamia nigra</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudamia tarri</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudamiops springeri</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudochromis coccinicauda</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudomonacanthus elongatus</i>	Indian Ocean Coast	Actinopterygii
<i>Pseudomyrophis nimius</i>	Indian Ocean Coast	Actinopterygii
<i>Pyramodon lindas</i>	Indian Ocean Coast	Actinopterygii
<i>Rastrelliger brachysoma</i>	Indian Ocean Coast	Actinopterygii
<i>Rhabdoblennius snowi</i>	Indian Ocean Coast	Actinopterygii
<i>Samariscus maculatus</i>	Indian Ocean Coast	Actinopterygii
<i>Sarda sarda</i>	Indian Ocean Coast	Actinopterygii
<i>Sardinella aurita</i>	Indian Ocean Coast	Actinopterygii
<i>Sarpa salpa</i>	Indian Ocean Coast	Actinopterygii
<i>Scomber colias</i>	Indian Ocean Coast	Actinopterygii
<i>Scomberomorus munroi</i>	Indian Ocean Coast	Actinopterygii
<i>Scomberomorus queenslandicus</i>	Indian Ocean Coast	Actinopterygii
<i>Scomberomorus semifasciatus</i>	Indian Ocean Coast	Actinopterygii
<i>Scombrops boops</i>	Indian Ocean Coast	Actinopterygii
<i>Sebastes capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Seriola carpenteri</i>	Indian Ocean Coast	Actinopterygii
<i>Serrivomer schmidtii</i>	Indian Ocean Coast	Actinopterygii
<i>Siokunichthys bentuviai</i>	Indian Ocean Coast	Actinopterygii
<i>Siokunichthys southwelli</i>	Indian Ocean Coast	Actinopterygii
<i>Siphamia goreni</i>	Indian Ocean Coast	Actinopterygii
<i>Spectrunculus grandis</i>	Indian Ocean Coast	Actinopterygii
<i>Spondylisoma cantharus</i>	Indian Ocean Coast	Actinopterygii
<i>Steeneichthys nativitatus</i>	Indian Ocean Coast	Actinopterygii
<i>Stegastes imbricatus</i>	Indian Ocean Coast	Actinopterygii
<i>Stegastes insularis</i>	Indian Ocean Coast	Actinopterygii
<i>Stegastes pelicierei</i>	Indian Ocean Coast	Actinopterygii
<i>Stemonidium hypomelas</i>	Indian Ocean Coast	Actinopterygii
<i>Sthenopus mollis</i>	Indian Ocean Coast	Actinopterygii
<i>Stigmatopora narinosa</i>	Indian Ocean Coast	Actinopterygii
<i>Stolephorus baganensis</i>	Indian Ocean Coast	Actinopterygii
<i>Sudis hyalina</i>	Indian Ocean Coast	Actinopterygii
<i>Sueviota larsonae</i>	Indian Ocean Coast	Actinopterygii
<i>Suezichthys notatus</i>	Indian Ocean Coast	Actinopterygii
<i>Sufflogobius bibarbatus</i>	Indian Ocean Coast	Actinopterygii
<i>Symphurus variegatus</i>	Indian Ocean Coast	Actinopterygii

Rare Species	System	Class
<i>Syngnathus acus</i>	Indian Ocean Coast	Actinopterygii
<i>Taractichthys longipinnis</i>	Indian Ocean Coast	Actinopterygii
<i>Tasmanogobius lasti</i>	Indian Ocean Coast	Actinopterygii
<i>Tetrapturus belone</i>	Indian Ocean Coast	Actinopterygii
<i>Thorogobius rofeni</i>	Indian Ocean Coast	Actinopterygii
<i>Thunnus thynnus</i>	Indian Ocean Coast	Actinopterygii
<i>Torquigener balteus</i>	Indian Ocean Coast	Actinopterygii
<i>Torquigener paxtoni</i>	Indian Ocean Coast	Actinopterygii
<i>Torquigener vicinus</i>	Indian Ocean Coast	Actinopterygii
<i>Torquigener whitleyi</i>	Indian Ocean Coast	Actinopterygii
<i>Trachinotus anak</i>	Indian Ocean Coast	Actinopterygii
<i>Trachinotus ovatus</i>	Indian Ocean Coast	Actinopterygii
<i>Trachurus capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Trachyscorpia carnomagula</i>	Indian Ocean Coast	Actinopterygii
<i>Trigla lyra</i>	Indian Ocean Coast	Actinopterygii
<i>Trimma bisella</i>	Indian Ocean Coast	Actinopterygii
<i>Trimma fucatum</i>	Indian Ocean Coast	Actinopterygii
<i>Trimma sanguinellus</i>	Indian Ocean Coast	Actinopterygii
<i>Trimmatom nanus</i>	Indian Ocean Coast	Actinopterygii
<i>Trimmatom offucius</i>	Indian Ocean Coast	Actinopterygii
<i>Trimmatom sagma</i>	Indian Ocean Coast	Actinopterygii
<i>Trinorfolkia cristata</i>	Indian Ocean Coast	Actinopterygii
<i>Ulua aurochs</i>	Indian Ocean Coast	Actinopterygii
<i>Uranoscopus dahlakensis</i>	Indian Ocean Coast	Actinopterygii
<i>Vanacampus vercoi</i>	Indian Ocean Coast	Actinopterygii
<i>Vinciguerria mabahiss</i>	Indian Ocean Coast	Actinopterygii
<i>Xyelacyba myersi</i>	Indian Ocean Coast	Actinopterygii
<i>Zenarchopterus pappenheimi</i>	Indian Ocean Coast	Actinopterygii
<i>Zenopsis stabilispinosa</i>	Indian Ocean Coast	Actinopterygii
<i>Zeus capensis</i>	Indian Ocean Coast	Actinopterygii
<i>Zu elongatus</i>	Indian Ocean Coast	Actinopterygii
<i>Anacanthobatis marmorata</i>	Indian Ocean Coast	Elasmobranchii
<i>Apristurus microps</i>	Indian Ocean Coast	Elasmobranchii
<i>Bathyraja eatonii</i>	Indian Ocean Coast	Elasmobranchii
<i>Bathyraja hesperaficana</i>	Indian Ocean Coast	Elasmobranchii
<i>Bathyraja irrasa</i>	Indian Ocean Coast	Elasmobranchii
<i>Bathyraja smithii</i>	Indian Ocean Coast	Elasmobranchii
<i>Benthobatis moresbyi</i>	Indian Ocean Coast	Elasmobranchii
<i>Chiloscyllium hasseltii</i>	Indian Ocean Coast	Elasmobranchii
<i>Cruriraja hullei</i>	Indian Ocean Coast	Elasmobranchii
<i>Dentiraja flindersi</i>	Indian Ocean Coast	Elasmobranchii
<i>Dentiraja oculata</i>	Indian Ocean Coast	Elasmobranchii
<i>Dipturus canutus</i>	Indian Ocean Coast	Elasmobranchii
<i>Dipturus wengi</i>	Indian Ocean Coast	Elasmobranchii
<i>Hemitrygon parvonigra</i>	Indian Ocean Coast	Elasmobranchii

Rare Species	System	Class
<i>Heteronarce garmani</i>	Indian Ocean Coast	Elasmobranchii
<i>Malacoraja spinacidermis</i>	Indian Ocean Coast	Elasmobranchii
<i>Notoraja sticta</i>	Indian Ocean Coast	Elasmobranchii
<i>Rajella barnardi</i>	Indian Ocean Coast	Elasmobranchii
<i>Rajella challengerii</i>	Indian Ocean Coast	Elasmobranchii
<i>Rajella dissimilis</i>	Indian Ocean Coast	Elasmobranchii
<i>Rajella ravidula</i>	Indian Ocean Coast	Elasmobranchii
<i>Squatina pseudocellata</i>	Indian Ocean Coast	Elasmobranchii
<i>Tetronarce cowleyi</i>	Indian Ocean Coast	Elasmobranchii
<i>Trygonoptera galba</i>	Indian Ocean Coast	Elasmobranchii
<i>Acanthurus leucocheilus</i>	North Atlantic Coast	Actinopterygii
<i>Acanthurus nigricans</i>	North Atlantic Coast	Actinopterygii
<i>Acanthurus tractus</i>	North Atlantic Coast	Actinopterygii
<i>Allocyttus verrucosus</i>	North Atlantic Coast	Actinopterygii
<i>Anchoa chamensis</i>	North Atlantic Coast	Actinopterygii
<i>Anchoa eigenmannia</i>	North Atlantic Coast	Actinopterygii
<i>Anchoa panamensis</i>	North Atlantic Coast	Actinopterygii
<i>Anchoa pectoralis</i>	North Atlantic Coast	Actinopterygii
<i>Antennarius maculatus</i>	North Atlantic Coast	Actinopterygii
<i>Antennarius randalli</i>	North Atlantic Coast	Actinopterygii
<i>Antennatus dorehensis</i>	North Atlantic Coast	Actinopterygii
<i>Antennatus linearis</i>	North Atlantic Coast	Actinopterygii
<i>Antennatus nummifer</i>	North Atlantic Coast	Actinopterygii
<i>Apogon semiornatus</i>	North Atlantic Coast	Actinopterygii
<i>Apogonichthys ocellatus</i>	North Atlantic Coast	Actinopterygii
<i>Apogonichthys perdix</i>	North Atlantic Coast	Actinopterygii
<i>Arothron hispidus</i>	North Atlantic Coast	Actinopterygii
<i>Arothron mappa</i>	North Atlantic Coast	Actinopterygii
<i>Asterropteryx bipunctata</i>	North Atlantic Coast	Actinopterygii
<i>Asterropteryx ensifera</i>	North Atlantic Coast	Actinopterygii
<i>Asterropteryx semipunctata</i>	North Atlantic Coast	Actinopterygii
<i>Ataxolepis henactis</i>	North Atlantic Coast	Actinopterygii
<i>Awaous ocellaris</i>	North Atlantic Coast	Actinopterygii
<i>Bathygobius cocosensis</i>	North Atlantic Coast	Actinopterygii
<i>Bathygobius laddi</i>	North Atlantic Coast	Actinopterygii
<i>Bothrocara elongatum</i>	North Atlantic Coast	Actinopterygii
<i>Brama japonica</i>	North Atlantic Coast	Actinopterygii
<i>Bryaninops tigris</i>	North Atlantic Coast	Actinopterygii
<i>Bryaninops yongei</i>	North Atlantic Coast	Actinopterygii
<i>Buenia massutii</i>	North Atlantic Coast	Actinopterygii
<i>Cabillus lacertops</i>	North Atlantic Coast	Actinopterygii
<i>Callogobius centrolepis</i>	North Atlantic Coast	Actinopterygii
<i>Calotomus spinidens</i>	North Atlantic Coast	Actinopterygii
<i>Cantherhines dumerilii</i>	North Atlantic Coast	Actinopterygii
<i>Cantherhines fronticinctus</i>	North Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Canthigaster bennetti</i>	North Atlantic Coast	Actinopterygii
<i>Canthigaster figueiredoi</i>	North Atlantic Coast	Actinopterygii
<i>Canthigaster ocellicincta</i>	North Atlantic Coast	Actinopterygii
<i>Canthigaster solandri</i>	North Atlantic Coast	Actinopterygii
<i>Canthigaster valentini</i>	North Atlantic Coast	Actinopterygii
<i>Caranx melampygus</i>	North Atlantic Coast	Actinopterygii
<i>Careproctus longifilis</i>	North Atlantic Coast	Actinopterygii
<i>Cataetyx simus</i>	North Atlantic Coast	Actinopterygii
<i>Cetoscarus ocellatus</i>	North Atlantic Coast	Actinopterygii
<i>Cheilodipterus isostigmus</i>	North Atlantic Coast	Actinopterygii
<i>Chiasmodon subniger</i>	North Atlantic Coast	Actinopterygii
<i>Chlorophthalmus mento</i>	North Atlantic Coast	Actinopterygii
<i>Choeroichthys brachysoma</i>	North Atlantic Coast	Actinopterygii
<i>Choeroichthys sculptus</i>	North Atlantic Coast	Actinopterygii
<i>Chromis analis</i>	North Atlantic Coast	Actinopterygii
<i>Chromis lepidolepis</i>	North Atlantic Coast	Actinopterygii
<i>Chromis ternaensis</i>	North Atlantic Coast	Actinopterygii
<i>Chromis viridis</i>	North Atlantic Coast	Actinopterygii
<i>Chrysiptera biocellata</i>	North Atlantic Coast	Actinopterygii
<i>Chrysiptera brownriggii</i>	North Atlantic Coast	Actinopterygii
<i>Chrysiptera rollandi</i>	North Atlantic Coast	Actinopterygii
<i>Cirrhitilabrus eximius</i>	North Atlantic Coast	Actinopterygii
<i>Cirrhipetes auritus</i>	North Atlantic Coast	Actinopterygii
<i>Cirrhipetes castaneus</i>	North Atlantic Coast	Actinopterygii
<i>Cirrhipetes polyzona</i>	North Atlantic Coast	Actinopterygii
<i>Coris dorsomacula</i>	North Atlantic Coast	Actinopterygii
<i>Coryphaenoides anguliceps</i>	North Atlantic Coast	Actinopterygii
<i>Corythoichthys amplexus</i>	North Atlantic Coast	Actinopterygii
<i>Corythoichthys flavofasciatus</i>	North Atlantic Coast	Actinopterygii
<i>Cosmocampus banneri</i>	North Atlantic Coast	Actinopterygii
<i>Cosmocampus maxweberi</i>	North Atlantic Coast	Actinopterygii
<i>Crocodilichthys gracilis</i>	North Atlantic Coast	Actinopterygii
<i>Crossosalarias macrospilus</i>	North Atlantic Coast	Actinopterygii
<i>Cryptocentrus strigiliceps</i>	North Atlantic Coast	Actinopterygii
<i>Ctenogobiops feroculus</i>	North Atlantic Coast	Actinopterygii
<i>Ctenogobiops tangaroai</i>	North Atlantic Coast	Actinopterygii
<i>Cymolutes torquatus</i>	North Atlantic Coast	Actinopterygii
<i>Dactylagnus mundus</i>	North Atlantic Coast	Actinopterygii
<i>Dactyloscopus minutus</i>	North Atlantic Coast	Actinopterygii
<i>Diademichthys lineatus</i>	North Atlantic Coast	Actinopterygii
<i>Dibranchius erinaceus</i>	North Atlantic Coast	Actinopterygii
<i>Dibranchius hystrix</i>	North Atlantic Coast	Actinopterygii
<i>Dibranchius nudivomer</i>	North Atlantic Coast	Actinopterygii
<i>Dibranchius spinosus</i>	North Atlantic Coast	Actinopterygii
<i>Dicrolene filamentosa</i>	North Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Diplacanthopoma jordani</i>	North Atlantic Coast	Actinopterygii
<i>Diplecogaster tonstricula</i>	North Atlantic Coast	Actinopterygii
<i>Discordipinna griessingeri</i>	North Atlantic Coast	Actinopterygii
<i>Dunckerocampus dactyliophorus</i>	North Atlantic Coast	Actinopterygii
<i>Echiodon cryomargarites</i>	North Atlantic Coast	Actinopterygii
<i>Ecsenius bicolor</i>	North Atlantic Coast	Actinopterygii
<i>Enchelynassa canina</i>	North Atlantic Coast	Actinopterygii
<i>Enneanectes macrops</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius elegans</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius flavoccipitis</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius fuscoventer</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius hemimelas</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius minutus</i>	North Atlantic Coast	Actinopterygii
<i>Enneapterygius philippinus</i>	North Atlantic Coast	Actinopterygii
<i>Entomacrodus decussatus</i>	North Atlantic Coast	Actinopterygii
<i>Eviota nebulosa</i>	North Atlantic Coast	Actinopterygii
<i>Eviota prasina</i>	North Atlantic Coast	Actinopterygii
<i>Eviota queenslandica</i>	North Atlantic Coast	Actinopterygii
<i>Eviota sparsa</i>	North Atlantic Coast	Actinopterygii
<i>Eviota storthynx</i>	North Atlantic Coast	Actinopterygii
<i>Exyrias belissimus</i>	North Atlantic Coast	Actinopterygii
<i>Festucalex erythraeus</i>	North Atlantic Coast	Actinopterygii
<i>Fowleria aurita</i>	North Atlantic Coast	Actinopterygii
<i>Fowleria vaiulae</i>	North Atlantic Coast	Actinopterygii
<i>Fowleria variegata</i>	North Atlantic Coast	Actinopterygii
<i>Fusigobius humeralis</i>	North Atlantic Coast	Actinopterygii
<i>Fusigobius signipinnis</i>	North Atlantic Coast	Actinopterygii
<i>Girella stuebeli</i>	North Atlantic Coast	Actinopterygii
<i>Gnatholepis anjerensis</i>	North Atlantic Coast	Actinopterygii
<i>Gnatholepis cauerensis</i>	North Atlantic Coast	Actinopterygii
<i>Gobiodon citrinus</i>	North Atlantic Coast	Actinopterygii
<i>Gobiodon prolixus</i>	North Atlantic Coast	Actinopterygii
<i>Gobiodon rivulatus</i>	North Atlantic Coast	Actinopterygii
<i>Gobiosoma seminudum</i>	North Atlantic Coast	Actinopterygii
<i>Gobulus birdsongi</i>	North Atlantic Coast	Actinopterygii
<i>Gymnapogon philippinus</i>	North Atlantic Coast	Actinopterygii
<i>Gymnapogon urospilotus</i>	North Atlantic Coast	Actinopterygii
<i>Gymnothorax flavimarginatus</i>	North Atlantic Coast	Actinopterygii
<i>Gyrinomimus bruuni</i>	North Atlantic Coast	Actinopterygii
<i>Halicampus mataafae</i>	North Atlantic Coast	Actinopterygii
<i>Halicampus spinirostris</i>	North Atlantic Coast	Actinopterygii
<i>Halichoeres adustus</i>	North Atlantic Coast	Actinopterygii
<i>Halichoeres argus</i>	North Atlantic Coast	Actinopterygii
<i>Halichoeres prosopeion</i>	North Atlantic Coast	Actinopterygii
<i>Himantolophus nigricornis</i>	North Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Himantolophus sagamius</i>	North Atlantic Coast	Actinopterygii
<i>Hippichthys spicifer</i>	North Atlantic Coast	Actinopterygii
<i>Hoplostethus mento</i>	North Atlantic Coast	Actinopterygii
<i>Ilyophis arx</i>	North Atlantic Coast	Actinopterygii
<i>Iniistius baldwini</i>	North Atlantic Coast	Actinopterygii
<i>Iniistius pavo</i>	North Atlantic Coast	Actinopterygii
<i>Istigobius decoratus</i>	North Atlantic Coast	Actinopterygii
<i>Istigobius nigroocellatus</i>	North Atlantic Coast	Actinopterygii
<i>Istigobius ornatus</i>	North Atlantic Coast	Actinopterygii
<i>Istiompax indica</i>	North Atlantic Coast	Actinopterygii
<i>Lagocephalus sceleratus</i>	North Atlantic Coast	Actinopterygii
<i>Lepidonectes clarkhubbsi</i>	North Atlantic Coast	Actinopterygii
<i>Luposicya lupus</i>	North Atlantic Coast	Actinopterygii
<i>Lycenchelys callista</i>	North Atlantic Coast	Actinopterygii
<i>Lycenchelys incisa</i>	North Atlantic Coast	Actinopterygii
<i>Lycenchelys jordani</i>	North Atlantic Coast	Actinopterygii
<i>Lycenchelys scaurus</i>	North Atlantic Coast	Actinopterygii
<i>Lycodapus endemoscotus</i>	North Atlantic Coast	Actinopterygii
<i>Lycodes jugoricus</i>	North Atlantic Coast	Actinopterygii
<i>Lycodes sagittarius</i>	North Atlantic Coast	Actinopterygii
<i>Lythrypnus brasiliensis</i>	North Atlantic Coast	Actinopterygii
<i>Macrodontogobius wilburi</i>	North Atlantic Coast	Actinopterygii
<i>Malacoctenus carrowi</i>	North Atlantic Coast	Actinopterygii
<i>Melanocetus eustalus</i>	North Atlantic Coast	Actinopterygii
<i>Melanocetus polyactis</i>	North Atlantic Coast	Actinopterygii
<i>Monomitopus torvus</i>	North Atlantic Coast	Actinopterygii
<i>Mugil thoburni</i>	North Atlantic Coast	Actinopterygii
<i>Mugilogobius notospilus</i>	North Atlantic Coast	Actinopterygii
<i>Nannosalarias nativitatis</i>	North Atlantic Coast	Actinopterygii
<i>Nectamia savayensis</i>	North Atlantic Coast	Actinopterygii
<i>Novaculichthys taeniourus</i>	North Atlantic Coast	Actinopterygii
<i>Novaculoides macrolepidotus</i>	North Atlantic Coast	Actinopterygii
<i>Ogilbia jewettae</i>	North Atlantic Coast	Actinopterygii
<i>Ogilbia robertsoni</i>	North Atlantic Coast	Actinopterygii
<i>Ogilbia sedorae</i>	North Atlantic Coast	Actinopterygii
<i>Oneirodes clarkei</i>	North Atlantic Coast	Actinopterygii
<i>Oneirodes luetkeni</i>	North Atlantic Coast	Actinopterygii
<i>Opostomias micripnus</i>	North Atlantic Coast	Actinopterygii
<i>Ostorhinchus cavitensis</i>	North Atlantic Coast	Actinopterygii
<i>Ostorhinchus cookii</i>	North Atlantic Coast	Actinopterygii
<i>Ostorhinchus nigrofasciatus</i>	North Atlantic Coast	Actinopterygii
<i>Ostorhinchus taeniophorus</i>	North Atlantic Coast	Actinopterygii
<i>Oxycheilinus bimaculatus</i>	North Atlantic Coast	Actinopterygii
<i>Oxycheilinus celebicus</i>	North Atlantic Coast	Actinopterygii
<i>Pachycara crossacanthum</i>	North Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Parablennius dialloi</i>	North Atlantic Coast	Actinopterygii
<i>Paragobiodon echinocephalus</i>	North Atlantic Coast	Actinopterygii
<i>Paraliparis cephalus</i>	North Atlantic Coast	Actinopterygii
<i>Paraliparis rosaceus</i>	North Atlantic Coast	Actinopterygii
<i>Paralonchurus peruanus</i>	North Atlantic Coast	Actinopterygii
<i>Paraluteres prionurus</i>	North Atlantic Coast	Actinopterygii
<i>Penetopteryx taeniocephalus</i>	North Atlantic Coast	Actinopterygii
<i>Periophthalmus kalolo</i>	North Atlantic Coast	Actinopterygii
<i>Pervagor janthinosoma</i>	North Atlantic Coast	Actinopterygii
<i>Phoxocampus belcheri</i>	North Atlantic Coast	Actinopterygii
<i>Phoxocampus tetraphthalmus</i>	North Atlantic Coast	Actinopterygii
<i>Plectroglyphidodon leucozonus</i>	North Atlantic Coast	Actinopterygii
<i>Plesiops coeruleolineatus</i>	North Atlantic Coast	Actinopterygii
<i>Plesiops corallicola</i>	North Atlantic Coast	Actinopterygii
<i>Plesiops verecundus</i>	North Atlantic Coast	Actinopterygii
<i>Pleurosicya coerulea</i>	North Atlantic Coast	Actinopterygii
<i>Pleurosicya mossambica</i>	North Atlantic Coast	Actinopterygii
<i>Pleurosicya muscarum</i>	North Atlantic Coast	Actinopterygii
<i>Pleurosicya plicata</i>	North Atlantic Coast	Actinopterygii
<i>Plicomugil labiosus</i>	North Atlantic Coast	Actinopterygii
<i>Pomacentrus amboinensis</i>	North Atlantic Coast	Actinopterygii
<i>Pomacentrus pavo</i>	North Atlantic Coast	Actinopterygii
<i>Pomacentrus philippinus</i>	North Atlantic Coast	Actinopterygii
<i>Pomacentrus tripunctatus</i>	North Atlantic Coast	Actinopterygii
<i>Priolepis cincta</i>	North Atlantic Coast	Actinopterygii
<i>Priolepis semidoliata</i>	North Atlantic Coast	Actinopterygii
<i>Pristiapogon exostigma</i>	North Atlantic Coast	Actinopterygii
<i>Psammogobius biocellatus</i>	North Atlantic Coast	Actinopterygii
<i>Psednos barnardi</i>	North Atlantic Coast	Actinopterygii
<i>Psednos christinae</i>	North Atlantic Coast	Actinopterygii
<i>Pseudamia amblyuroptera</i>	North Atlantic Coast	Actinopterygii
<i>Pseudamia hayashii</i>	North Atlantic Coast	Actinopterygii
<i>Pseudobathylagus milleri</i>	North Atlantic Coast	Actinopterygii
<i>Pseudocheilinus evanidus</i>	North Atlantic Coast	Actinopterygii
<i>Pseudogramma guineensis</i>	North Atlantic Coast	Actinopterygii
<i>Pseudojuloides splendens</i>	North Atlantic Coast	Actinopterygii
<i>Ptereleotris carinata</i>	North Atlantic Coast	Actinopterygii
<i>Redigobius bikolanus</i>	North Atlantic Coast	Actinopterygii
<i>Saccopharynx lavenbergi</i>	North Atlantic Coast	Actinopterygii
<i>Salarias guttatus</i>	North Atlantic Coast	Actinopterygii
<i>Salarias segmentatus</i>	North Atlantic Coast	Actinopterygii
<i>Salarias sinuosus</i>	North Atlantic Coast	Actinopterygii
<i>Sarda orientalis</i>	North Atlantic Coast	Actinopterygii
<i>Scarus festivus</i>	North Atlantic Coast	Actinopterygii
<i>Scarus niger</i>	North Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Scarus prasiognathos</i>	North Atlantic Coast	Actinopterygii
<i>Scarus rivulatus</i>	North Atlantic Coast	Actinopterygii
<i>Scarus rubroviolaceus</i>	North Atlantic Coast	Actinopterygii
<i>Scarus tricolor</i>	North Atlantic Coast	Actinopterygii
<i>Scarus trispinosus</i>	North Atlantic Coast	Actinopterygii
<i>Scarus xanthopleura</i>	North Atlantic Coast	Actinopterygii
<i>Scomber japonicus</i>	North Atlantic Coast	Actinopterygii
<i>Siphamia fistulosa</i>	North Atlantic Coast	Actinopterygii
<i>Siphamia tubifer</i>	North Atlantic Coast	Actinopterygii
<i>Stegastes arcifrons</i>	North Atlantic Coast	Actinopterygii
<i>Stegastes beebei</i>	North Atlantic Coast	Actinopterygii
<i>Stegastes leucorus</i>	North Atlantic Coast	Actinopterygii
<i>Stegastes rocasensis</i>	North Atlantic Coast	Actinopterygii
<i>Stenogobius genivittatus</i>	North Atlantic Coast	Actinopterygii
<i>Sternoptyx obscura</i>	North Atlantic Coast	Actinopterygii
<i>Stethojulis bandanensis</i>	North Atlantic Coast	Actinopterygii
<i>Syngnathus auliscus</i>	North Atlantic Coast	Actinopterygii
<i>Taeniamia biguttata</i>	North Atlantic Coast	Actinopterygii
<i>Talismaania bifurcata</i>	North Atlantic Coast	Actinopterygii
<i>Tigrigobius janssi</i>	North Atlantic Coast	Actinopterygii
<i>Trachipterus jacksonensis</i>	North Atlantic Coast	Actinopterygii
<i>Trimma benjamini</i>	North Atlantic Coast	Actinopterygii
<i>Trimma flavatrum</i>	North Atlantic Coast	Actinopterygii
<i>Trimma macrophthalmus</i>	North Atlantic Coast	Actinopterygii
<i>Trimma milta</i>	North Atlantic Coast	Actinopterygii
<i>Trimma okinawae</i>	North Atlantic Coast	Actinopterygii
<i>Trimma tevegae</i>	North Atlantic Coast	Actinopterygii
<i>Trinectes xanthurus</i>	North Atlantic Coast	Actinopterygii
<i>Verulux cypselurus</i>	North Atlantic Coast	Actinopterygii
<i>Wetmorella nigropinnata</i>	North Atlantic Coast	Actinopterygii
<i>Xenisthmus polyzonatus</i>	North Atlantic Coast	Actinopterygii
<i>Zenarchopterus dispar</i>	North Atlantic Coast	Actinopterygii
<i>Zoramia leptacantha</i>	North Atlantic Coast	Actinopterygii
<i>Alopias pelagicus</i>	North Atlantic Coast	Elasmobranchii
<i>Bathyraja pallida</i>	North Atlantic Coast	Elasmobranchii
<i>Bathyraja spinosissima</i>	North Atlantic Coast	Elasmobranchii
<i>Carcharhinus amboinensis</i>	North Atlantic Coast	Elasmobranchii
<i>Diplobatis colombiensis</i>	North Atlantic Coast	Elasmobranchii
<i>Diplobatis guamachensis</i>	North Atlantic Coast	Elasmobranchii
<i>Diplobatis ommata</i>	North Atlantic Coast	Elasmobranchii
<i>Etmopterus benchleyi</i>	North Atlantic Coast	Elasmobranchii
<i>Narcine vermiculata</i>	North Atlantic Coast	Elasmobranchii
<i>Neoraja caerulea</i>	North Atlantic Coast	Elasmobranchii
<i>Neoraja carolinensis</i>	North Atlantic Coast	Elasmobranchii
<i>Raja parva</i>	North Atlantic Coast	Elasmobranchii

Rare Species	System	Class
<i>Rhizoprionodon longurio</i>	North Atlantic Coast	Elasmobranchii
<i>Somniosus antarcticus</i>	North Atlantic Coast	Elasmobranchii
<i>Squalus albicaudus</i>	North Atlantic Coast	Elasmobranchii
<i>Triaenodon obesus</i>	North Atlantic Coast	Elasmobranchii
<i>Urotrygon cimar</i>	North Atlantic Coast	Elasmobranchii
<i>Zanobatus maculatus</i>	North Atlantic Coast	Elasmobranchii
<i>Abalistes filamentosus</i>	North East Pacific Coast	Actinopterygii
<i>Acanthurus auranticavus</i>	North East Pacific Coast	Actinopterygii
<i>Acentrogobius cyanomos</i>	North East Pacific Coast	Actinopterygii
<i>Acentrogobius moloanus</i>	North East Pacific Coast	Actinopterygii
<i>Acentronura breviperula</i>	North East Pacific Coast	Actinopterygii
<i>Acentronura tentaculata</i>	North East Pacific Coast	Actinopterygii
<i>Adventor elongatus</i>	North East Pacific Coast	Actinopterygii
<i>Aldrovandia rostrata</i>	North East Pacific Coast	Actinopterygii
<i>Alepocephalus owstoni</i>	North East Pacific Coast	Actinopterygii
<i>Allips concolor</i>	North East Pacific Coast	Actinopterygii
<i>Amblygobius decussatus</i>	North East Pacific Coast	Actinopterygii
<i>Amblyotrypauchen arctocephalus</i>	North East Pacific Coast	Actinopterygii
<i>Amioides polyacanthus</i>	North East Pacific Coast	Actinopterygii
<i>Anchoa chamensis</i>	North East Pacific Coast	Actinopterygii
<i>Anchoa panamensis</i>	North East Pacific Coast	Actinopterygii
<i>Apagesoma delosommatus</i>	North East Pacific Coast	Actinopterygii
<i>Aphyonus gelatinosus</i>	North East Pacific Coast	Actinopterygii
<i>Apocryptodon madurensis</i>	North East Pacific Coast	Actinopterygii
<i>Apogon seminigracaudus</i>	North East Pacific Coast	Actinopterygii
<i>Apogonichthyoides atripes</i>	North East Pacific Coast	Actinopterygii
<i>Apogonichthyoides heptastygma</i>	North East Pacific Coast	Actinopterygii
<i>Arotrolepis filicauda</i>	North East Pacific Coast	Actinopterygii
<i>Axoclinus multicinctus</i>	North East Pacific Coast	Actinopterygii
<i>Barathrites parri</i>	North East Pacific Coast	Actinopterygii
<i>Barathrodemus manatinus</i>	North East Pacific Coast	Actinopterygii
<i>Barathronus maculatus</i>	North East Pacific Coast	Actinopterygii
<i>Barbuligobius boehlkei</i>	North East Pacific Coast	Actinopterygii
<i>Bassogigas gillii</i>	North East Pacific Coast	Actinopterygii
<i>Bassozetus elongatus</i>	North East Pacific Coast	Actinopterygii
<i>Bassozetus galathea</i>	North East Pacific Coast	Actinopterygii
<i>Bassozetus glutinosus</i>	North East Pacific Coast	Actinopterygii
<i>Bassozetus normalis</i>	North East Pacific Coast	Actinopterygii
<i>Bassozetus taenia</i>	North East Pacific Coast	Actinopterygii
<i>Bathyaploactis ornatissima</i>	North East Pacific Coast	Actinopterygii
<i>Bathygadus favosus</i>	North East Pacific Coast	Actinopterygii
<i>Bathygadus melanobranchus</i>	North East Pacific Coast	Actinopterygii
<i>Bathygobius petrophilus</i>	North East Pacific Coast	Actinopterygii
<i>Bathymaster derjugini</i>	North East Pacific Coast	Actinopterygii
<i>Bathyonus laticeps</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Bathypterois grallator</i>	North East Pacific Coast	Actinopterygii
<i>Bathytroctes macrolepis</i>	North East Pacific Coast	Actinopterygii
<i>Bathytrophops sewelli</i>	North East Pacific Coast	Actinopterygii
<i>Boleophthalmus birdsongi</i>	North East Pacific Coast	Actinopterygii
<i>Borostomias pacificus</i>	North East Pacific Coast	Actinopterygii
<i>Brachaluteres taylori</i>	North East Pacific Coast	Actinopterygii
<i>Brevoortia gunteri</i>	North East Pacific Coast	Actinopterygii
<i>Brinkmannella elongata</i>	North East Pacific Coast	Actinopterygii
<i>Brotulotaenia crassa</i>	North East Pacific Coast	Actinopterygii
<i>Bryaninops annella</i>	North East Pacific Coast	Actinopterygii
<i>Bryaninops isis</i>	North East Pacific Coast	Actinopterygii
<i>Bythites gerdae</i>	North East Pacific Coast	Actinopterygii
<i>Cabillus macrophthalmus</i>	North East Pacific Coast	Actinopterygii
<i>Callogobius centrolepis</i>	North East Pacific Coast	Actinopterygii
<i>Campichthys tricarinatus</i>	North East Pacific Coast	Actinopterygii
<i>Canthigaster tyleri</i>	North East Pacific Coast	Actinopterygii
<i>Cetomimus teevani</i>	North East Pacific Coast	Actinopterygii
<i>Chascanopsetta lugubris</i>	North East Pacific Coast	Actinopterygii
<i>Cheilinus undulatus</i>	North East Pacific Coast	Actinopterygii
<i>Chiasmodon niger</i>	North East Pacific Coast	Actinopterygii
<i>Chlorurus bleekeri</i>	North East Pacific Coast	Actinopterygii
<i>Chlorurus oedema</i>	North East Pacific Coast	Actinopterygii
<i>Chrionema chlorotaenia</i>	North East Pacific Coast	Actinopterygii
<i>Chromis struhsakeri</i>	North East Pacific Coast	Actinopterygii
<i>Chrysiptera rex</i>	North East Pacific Coast	Actinopterygii
<i>Chrysiptera traceyi</i>	North East Pacific Coast	Actinopterygii
<i>Chrysiptera unimaculata</i>	North East Pacific Coast	Actinopterygii
<i>Coelorinchus occa</i>	North East Pacific Coast	Actinopterygii
<i>Conidens samoensis</i>	North East Pacific Coast	Actinopterygii
<i>Conocara nigrum</i>	North East Pacific Coast	Actinopterygii
<i>Coryphaenoides ariommus</i>	North East Pacific Coast	Actinopterygii
<i>Coryphaenoides fernandezianus</i>	North East Pacific Coast	Actinopterygii
<i>Corythoichthys haematopterus</i>	North East Pacific Coast	Actinopterygii
<i>Cosmocampus darrosanus</i>	North East Pacific Coast	Actinopterygii
<i>Cosmocampus investigatoris</i>	North East Pacific Coast	Actinopterygii
<i>Dibranchius tremendus</i>	North East Pacific Coast	Actinopterygii
<i>Dicrolene introniger</i>	North East Pacific Coast	Actinopterygii
<i>Dicrolene kanazawai</i>	North East Pacific Coast	Actinopterygii
<i>Dischistodus melanotus</i>	North East Pacific Coast	Actinopterygii
<i>Dorosoma petenense</i>	North East Pacific Coast	Actinopterygii
<i>Doryrhamphus janssi</i>	North East Pacific Coast	Actinopterygii
<i>Drombus halei</i>	North East Pacific Coast	Actinopterygii
<i>Drombus ocyurus</i>	North East Pacific Coast	Actinopterygii
<i>Drombus triangularis</i>	North East Pacific Coast	Actinopterygii
<i>Ecsenius lineatus</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Encheliophis sagamianus</i>	North East Pacific Coast	Actinopterygii
<i>Enneapterygius gracilis</i>	North East Pacific Coast	Actinopterygii
<i>Enneapterygius larsonae</i>	North East Pacific Coast	Actinopterygii
<i>Enneapterygius mirabilis</i>	North East Pacific Coast	Actinopterygii
<i>Epigonus telescopus</i>	North East Pacific Coast	Actinopterygii
<i>Etelis radiosus</i>	North East Pacific Coast	Actinopterygii
<i>Etrumeus sadina</i>	North East Pacific Coast	Actinopterygii
<i>Eugnathogobius mindora</i>	North East Pacific Coast	Actinopterygii
<i>Eumegistus brevorti</i>	North East Pacific Coast	Actinopterygii
<i>Eustomias filifer</i>	North East Pacific Coast	Actinopterygii
<i>Eustomias parri</i>	North East Pacific Coast	Actinopterygii
<i>Evermannichthys spongicola</i>	North East Pacific Coast	Actinopterygii
<i>Eviota bipunctata</i>	North East Pacific Coast	Actinopterygii
<i>Eviota latifasciata</i>	North East Pacific Coast	Actinopterygii
<i>Eviota spilota</i>	North East Pacific Coast	Actinopterygii
<i>Festucalex gibbsi</i>	North East Pacific Coast	Actinopterygii
<i>Festucalex kulbickii</i>	North East Pacific Coast	Actinopterygii
<i>Fowleria flammea</i>	North East Pacific Coast	Actinopterygii
<i>Gadella molokaiensis</i>	North East Pacific Coast	Actinopterygii
<i>Glossogobius giuris</i>	North East Pacific Coast	Actinopterygii
<i>Gobiodon erythrospilus</i>	North East Pacific Coast	Actinopterygii
<i>Gobiodon fulvus</i>	North East Pacific Coast	Actinopterygii
<i>Gobiodon okinawae</i>	North East Pacific Coast	Actinopterygii
<i>Gobiodon quinquestrigatus</i>	North East Pacific Coast	Actinopterygii
<i>Gobiodon unicolor</i>	North East Pacific Coast	Actinopterygii
<i>Gobiopsis exigua</i>	North East Pacific Coast	Actinopterygii
<i>Gobiopsis malekulae</i>	North East Pacific Coast	Actinopterygii
<i>Gobiopterus mindanensis</i>	North East Pacific Coast	Actinopterygii
<i>Gobius bontii</i>	North East Pacific Coast	Actinopterygii
<i>Grammatorcynus bilineatus</i>	North East Pacific Coast	Actinopterygii
<i>Grammatostomias dentatus</i>	North East Pacific Coast	Actinopterygii
<i>Grammonus robustus</i>	North East Pacific Coast	Actinopterygii
<i>Gymnapogon annona</i>	North East Pacific Coast	Actinopterygii
<i>Gymnothorax favagineus</i>	North East Pacific Coast	Actinopterygii
<i>Gymnothorax pseudoherrei</i>	North East Pacific Coast	Actinopterygii
<i>Halargyreus johnsonii</i>	North East Pacific Coast	Actinopterygii
<i>Halicampus brocki</i>	North East Pacific Coast	Actinopterygii
<i>Halicampus macrorhynchus</i>	North East Pacific Coast	Actinopterygii
<i>Halicampus nitidus</i>	North East Pacific Coast	Actinopterygii
<i>Halicmetus niger</i>	North East Pacific Coast	Actinopterygii
<i>Haptenchelys texis</i>	North East Pacific Coast	Actinopterygii
<i>Harpadon translucens</i>	North East Pacific Coast	Actinopterygii
<i>Helcogramma gymnauchen</i>	North East Pacific Coast	Actinopterygii
<i>Helcogramma nigra</i>	North East Pacific Coast	Actinopterygii
<i>Helcogramma obtusirostris</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Helcogramma rhinoceros</i>	North East Pacific Coast	Actinopterygii
<i>Helicolenus avius</i>	North East Pacific Coast	Actinopterygii
<i>Helicolenus dactylopterus</i>	North East Pacific Coast	Actinopterygii
<i>Helicolenus fedorovi</i>	North East Pacific Coast	Actinopterygii
<i>Helotes sexlineatus</i>	North East Pacific Coast	Actinopterygii
<i>Hippichthys cyanospilos</i>	North East Pacific Coast	Actinopterygii
<i>Hippichthys penicillus</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus alatus</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus colemani</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus grandiceps</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus hendriki</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus kelloggi</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus multispinus</i>	North East Pacific Coast	Actinopterygii
<i>Hippocampus zosterae</i>	North East Pacific Coast	Actinopterygii
<i>Holcomycteronus squamosus</i>	North East Pacific Coast	Actinopterygii
<i>Hoplostethus atlanticus</i>	North East Pacific Coast	Actinopterygii
<i>Hozukius guyotensis</i>	North East Pacific Coast	Actinopterygii
<i>Hypopleuron caninum</i>	North East Pacific Coast	Actinopterygii
<i>Ilisha lunula</i>	North East Pacific Coast	Actinopterygii
<i>Iniistius auropunctatus</i>	North East Pacific Coast	Actinopterygii
<i>Ipnops murrayi</i>	North East Pacific Coast	Actinopterygii
<i>Istiblennius dussumieri</i>	North East Pacific Coast	Actinopterygii
<i>Jaydia argyrogaster</i>	North East Pacific Coast	Actinopterygii
<i>Kyonemichthys rumengani</i>	North East Pacific Coast	Actinopterygii
<i>Lepophidium kallion</i>	North East Pacific Coast	Actinopterygii
<i>Leptostomias longibarba</i>	North East Pacific Coast	Actinopterygii
<i>Lestidiops similis</i>	North East Pacific Coast	Actinopterygii
<i>Leucicorus atlanticus</i>	North East Pacific Coast	Actinopterygii
<i>Luciobrotula corethromycter</i>	North East Pacific Coast	Actinopterygii
<i>Lycenchelys bullisi</i>	North East Pacific Coast	Actinopterygii
<i>Lycenchelys parini</i>	North East Pacific Coast	Actinopterygii
<i>Lycenchelys remissaria</i>	North East Pacific Coast	Actinopterygii
<i>Lycenchelys ryukyuensis</i>	North East Pacific Coast	Actinopterygii
<i>Lycenchelys tohokuensis</i>	North East Pacific Coast	Actinopterygii
<i>Lycodapus microchir</i>	North East Pacific Coast	Actinopterygii
<i>Lycodes soldatovi</i>	North East Pacific Coast	Actinopterygii
<i>Lythrypnus insularis</i>	North East Pacific Coast	Actinopterygii
<i>Mesopristes argenteus</i>	North East Pacific Coast	Actinopterygii
<i>Micrognathus natans</i>	North East Pacific Coast	Actinopterygii
<i>Mixomyrophis pusillipinna</i>	North East Pacific Coast	Actinopterygii
<i>Monognathus ahlstromi</i>	North East Pacific Coast	Actinopterygii
<i>Moolgarda pedaraki</i>	North East Pacific Coast	Actinopterygii
<i>Mugilogobius mertoni</i>	North East Pacific Coast	Actinopterygii
<i>Muraenichthys thompsoni</i>	North East Pacific Coast	Actinopterygii
<i>Nannocampus pictus</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Naso fageni</i>	North East Pacific Coast	Actinopterygii
<i>Nybelinella erikssoni</i>	North East Pacific Coast	Actinopterygii
<i>Omobranchus elongatus</i>	North East Pacific Coast	Actinopterygii
<i>Omobranchus rotundiceps</i>	North East Pacific Coast	Actinopterygii
<i>Oneirodes carlsbergi</i>	North East Pacific Coast	Actinopterygii
<i>Oneirodes macrosteus</i>	North East Pacific Coast	Actinopterygii
<i>Oneirodes melanocauda</i>	North East Pacific Coast	Actinopterygii
<i>Oneirodes thysanema</i>	North East Pacific Coast	Actinopterygii
<i>Osteomugil cunnesius</i>	North East Pacific Coast	Actinopterygii
<i>Ostorhinchus gularis</i>	North East Pacific Coast	Actinopterygii
<i>Ostorhinchus holotaenia</i>	North East Pacific Coast	Actinopterygii
<i>Oxyurichthys cornutus</i>	North East Pacific Coast	Actinopterygii
<i>Oxyurichthys uronema</i>	North East Pacific Coast	Actinopterygii
<i>Pagrus pagrus</i>	North East Pacific Coast	Actinopterygii
<i>Palatogobius grandoculus</i>	North East Pacific Coast	Actinopterygii
<i>Parabathymyrus oregoni</i>	North East Pacific Coast	Actinopterygii
<i>Paracentropogon vespa</i>	North East Pacific Coast	Actinopterygii
<i>Paragobiodon melanosoma</i>	North East Pacific Coast	Actinopterygii
<i>Paragobiodon modestus</i>	North East Pacific Coast	Actinopterygii
<i>Paraliparis penicillus</i>	North East Pacific Coast	Actinopterygii
<i>Paramonacanthus curtiorhynchus</i>	North East Pacific Coast	Actinopterygii
<i>Paramonacanthus pusillus</i>	North East Pacific Coast	Actinopterygii
<i>Paramonacanthus tricuspis</i>	North East Pacific Coast	Actinopterygii
<i>Parioglossus rainfordi</i>	North East Pacific Coast	Actinopterygii
<i>Parioglossus taeniatus</i>	North East Pacific Coast	Actinopterygii
<i>Pellona harroweri</i>	North East Pacific Coast	Actinopterygii
<i>Penopus microphthalmus</i>	North East Pacific Coast	Actinopterygii
<i>Peprilus crenulatus</i>	North East Pacific Coast	Actinopterygii
<i>Photonectes margarita</i>	North East Pacific Coast	Actinopterygii
<i>Phyllorhinichthys balushkini</i>	North East Pacific Coast	Actinopterygii
<i>Pleurosicya prognatha</i>	North East Pacific Coast	Actinopterygii
<i>Polyacanthonotus africanus</i>	North East Pacific Coast	Actinopterygii
<i>Polyipnus aquavitus</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus bankanensis</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus chrysurus</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus grammorhynchus</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus limosus</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus milleri</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus moluccensis</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus nagasakiensis</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus taeniometopon</i>	North East Pacific Coast	Actinopterygii
<i>Pomacentrus trilineatus</i>	North East Pacific Coast	Actinopterygii
<i>Pomadasy trífasciatus</i>	North East Pacific Coast	Actinopterygii
<i>Pomatomus saltatrix</i>	North East Pacific Coast	Actinopterygii
<i>Pontinus tentacularis</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Porogadus catena</i>	North East Pacific Coast	Actinopterygii
<i>Porogadus silus</i>	North East Pacific Coast	Actinopterygii
<i>Poromitra cristiceps</i>	North East Pacific Coast	Actinopterygii
<i>Priolepis agrena</i>	North East Pacific Coast	Actinopterygii
<i>Priolepis profunda</i>	North East Pacific Coast	Actinopterygii
<i>Pseudamia nigra</i>	North East Pacific Coast	Actinopterygii
<i>Pseudogobius melanostictus</i>	North East Pacific Coast	Actinopterygii
<i>Pseudomonacanthus elongatus</i>	North East Pacific Coast	Actinopterygii
<i>Pycnocraspedum armatum</i>	North East Pacific Coast	Actinopterygii
<i>Pyrolycus manusanus</i>	North East Pacific Coast	Actinopterygii
<i>Redigobius balteatus</i>	North East Pacific Coast	Actinopterygii
<i>Rudarius excelsus</i>	North East Pacific Coast	Actinopterygii
<i>Saccogaster staigeri</i>	North East Pacific Coast	Actinopterygii
<i>Salarias ramosus</i>	North East Pacific Coast	Actinopterygii
<i>Sarda chiliensis</i>	North East Pacific Coast	Actinopterygii
<i>Scarus dimidiatus</i>	North East Pacific Coast	Actinopterygii
<i>Scarus ferrugineus</i>	North East Pacific Coast	Actinopterygii
<i>Scarus quoyi</i>	North East Pacific Coast	Actinopterygii
<i>Scarus viridifucatus</i>	North East Pacific Coast	Actinopterygii
<i>Sebastes exsul</i>	North East Pacific Coast	Actinopterygii
<i>Sebastes flammeus</i>	North East Pacific Coast	Actinopterygii
<i>Sebastes sinensis</i>	North East Pacific Coast	Actinopterygii
<i>Siganus canaliculatus</i>	North East Pacific Coast	Actinopterygii
<i>Siganus punctatissimus</i>	North East Pacific Coast	Actinopterygii
<i>Siokunichthys herrei</i>	North East Pacific Coast	Actinopterygii
<i>Siphamia guttulata</i>	North East Pacific Coast	Actinopterygii
<i>Siphamia majimai</i>	North East Pacific Coast	Actinopterygii
<i>Siphamia tubulata</i>	North East Pacific Coast	Actinopterygii
<i>Solegnathus hardwickii</i>	North East Pacific Coast	Actinopterygii
<i>Solegnathus lettiensis</i>	North East Pacific Coast	Actinopterygii
<i>Sonoda megalophthalma</i>	North East Pacific Coast	Actinopterygii
<i>Stalix histrio</i>	North East Pacific Coast	Actinopterygii
<i>Stegastes obreptus</i>	North East Pacific Coast	Actinopterygii
<i>Stephanoberyx monae</i>	North East Pacific Coast	Actinopterygii
<i>Stichaeus grigorjewi</i>	North East Pacific Coast	Actinopterygii
<i>Strongylura strongylura</i>	North East Pacific Coast	Actinopterygii
<i>Sueviota larsonae</i>	North East Pacific Coast	Actinopterygii
<i>Syngnathus insulae</i>	North East Pacific Coast	Actinopterygii
<i>Tetrapturus georgii</i>	North East Pacific Coast	Actinopterygii
<i>Thamnaconus striatus</i>	North East Pacific Coast	Actinopterygii
<i>Thaumatichthys binghami</i>	North East Pacific Coast	Actinopterygii
<i>Thunnus thynnus</i>	North East Pacific Coast	Actinopterygii
<i>Torquigener parcuspinus</i>	North East Pacific Coast	Actinopterygii
<i>Torquigener whitleyi</i>	North East Pacific Coast	Actinopterygii
<i>Trachinotus anak</i>	North East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Trachyrhamphus bicoarctatus</i>	North East Pacific Coast	Actinopterygii
<i>Trachyrhamphus longirostris</i>	North East Pacific Coast	Actinopterygii
<i>Trimma flammeum</i>	North East Pacific Coast	Actinopterygii
<i>Trimma hoesei</i>	North East Pacific Coast	Actinopterygii
<i>Trimma hollemani</i>	North East Pacific Coast	Actinopterygii
<i>Trimma lantana</i>	North East Pacific Coast	Actinopterygii
<i>Trimma nomurai</i>	North East Pacific Coast	Actinopterygii
<i>Trimma pentherum</i>	North East Pacific Coast	Actinopterygii
<i>Trimma readerae</i>	North East Pacific Coast	Actinopterygii
<i>Trimma sheppardi</i>	North East Pacific Coast	Actinopterygii
<i>Trimmatom nanus</i>	North East Pacific Coast	Actinopterygii
<i>Trimmatom pharus</i>	North East Pacific Coast	Actinopterygii
<i>Tyson belos</i>	North East Pacific Coast	Actinopterygii
<i>Urophycis cirrata</i>	North East Pacific Coast	Actinopterygii
<i>Vanderhorstia longimanus</i>	North East Pacific Coast	Actinopterygii
<i>Varicus marilynae</i>	North East Pacific Coast	Actinopterygii
<i>Xenodermichthys nodulosus</i>	North East Pacific Coast	Actinopterygii
<i>Xenomystax austrinus</i>	North East Pacific Coast	Actinopterygii
<i>Zenarchopterus rasori</i>	North East Pacific Coast	Actinopterygii
<i>Zenopsis stabilispinosa</i>	North East Pacific Coast	Actinopterygii
<i>Zesticelus bathybius</i>	North East Pacific Coast	Actinopterygii
<i>Aetomylaeus caeruleofasciatus</i>	North East Pacific Coast	Elasmobranchii
<i>Aetomylaeus milvus</i>	North East Pacific Coast	Elasmobranchii
<i>Carcharhinus sorrah</i>	North East Pacific Coast	Elasmobranchii
<i>Hemigaleus australiensis</i>	North East Pacific Coast	Elasmobranchii
<i>Himantura leoparda</i>	North East Pacific Coast	Elasmobranchii
<i>Narcine brunnea</i>	North East Pacific Coast	Elasmobranchii
<i>Neotrygon picta</i>	North East Pacific Coast	Elasmobranchii
<i>Rhizoprionodon oligolinx</i>	North East Pacific Coast	Elasmobranchii
<i>Acanthoplesiops psilogaster</i>	North West Pacific Coast	Actinopterygii
<i>Acipenser mikadoi</i>	North West Pacific Coast	Actinopterygii
<i>Acipenser sinensis</i>	North West Pacific Coast	Actinopterygii
<i>Adventor elongatus</i>	North West Pacific Coast	Actinopterygii
<i>Aldrovandia phalacra</i>	North West Pacific Coast	Actinopterygii
<i>Alepocephalus owstoni</i>	North West Pacific Coast	Actinopterygii
<i>Alepocephalus tenebrosus</i>	North West Pacific Coast	Actinopterygii
<i>Alepocephalus umbriceps</i>	North West Pacific Coast	Actinopterygii
<i>Allocareproctus jordani</i>	North West Pacific Coast	Actinopterygii
<i>Allocareproctus tanix</i>	North West Pacific Coast	Actinopterygii
<i>Andamia amphibius</i>	North West Pacific Coast	Actinopterygii
<i>Andriashevia aptera</i>	North West Pacific Coast	Actinopterygii
<i>Anguilla bengalensis</i>	North West Pacific Coast	Actinopterygii
<i>Anoplarchus purpurescens</i>	North West Pacific Coast	Actinopterygii
<i>Aphyonus gelatinosus</i>	North West Pacific Coast	Actinopterygii
<i>Apogonichthyoides uninotatus</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Ariosoma obud</i>	North West Pacific Coast	Actinopterygii
<i>Arius microcephalus</i>	North West Pacific Coast	Actinopterygii
<i>Arius oetik</i>	North West Pacific Coast	Actinopterygii
<i>Arothron carduus</i>	North West Pacific Coast	Actinopterygii
<i>Arotrolepis filicauda</i>	North West Pacific Coast	Actinopterygii
<i>Artediellus ingens</i>	North West Pacific Coast	Actinopterygii
<i>Artediellus scaber</i>	North West Pacific Coast	Actinopterygii
<i>Astrocottus leprops</i>	North West Pacific Coast	Actinopterygii
<i>Astronesthes indopacificus</i>	North West Pacific Coast	Actinopterygii
<i>Atheresthes stomias</i>	North West Pacific Coast	Actinopterygii
<i>Atractoscion aequidens</i>	North West Pacific Coast	Actinopterygii
<i>Barathrodemus nasutus</i>	North West Pacific Coast	Actinopterygii
<i>Barathronus maculatus</i>	North West Pacific Coast	Actinopterygii
<i>Bascanichthys myersi</i>	North West Pacific Coast	Actinopterygii
<i>Bassogigas gillii</i>	North West Pacific Coast	Actinopterygii
<i>Bathophilus vaillanti</i>	North West Pacific Coast	Actinopterygii
<i>Bathycongrus macrocerus</i>	North West Pacific Coast	Actinopterygii
<i>Bathycongrus nasicus</i>	North West Pacific Coast	Actinopterygii
<i>Bathylaco nigricans</i>	North West Pacific Coast	Actinopterygii
<i>Bathymaster derjugini</i>	North West Pacific Coast	Actinopterygii
<i>Bathytroctes zugmayeri</i>	North West Pacific Coast	Actinopterygii
<i>Bellottia galathea</i>	North West Pacific Coast	Actinopterygii
<i>Benthalbella dentata</i>	North West Pacific Coast	Actinopterygii
<i>Benthodesmus neglectus</i>	North West Pacific Coast	Actinopterygii
<i>Benthodesmus suluensis</i>	North West Pacific Coast	Actinopterygii
<i>Bhanotia nuda</i>	North West Pacific Coast	Actinopterygii
<i>Bhanotia pauciradiata</i>	North West Pacific Coast	Actinopterygii
<i>Bilabria ornata</i>	North West Pacific Coast	Actinopterygii
<i>Blepsias bilobus</i>	North West Pacific Coast	Actinopterygii
<i>Borostomias pacificus</i>	North West Pacific Coast	Actinopterygii
<i>Brotulotaenia crassa</i>	North West Pacific Coast	Actinopterygii
<i>Bryaninops earlei</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus attenuatus</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus curilanus</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus cyclocephalus</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus homopterus</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus macrodiscus</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus mollis</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus pycnosoma</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus rhodomelas</i>	North West Pacific Coast	Actinopterygii
<i>Careproctus roseofuscus</i>	North West Pacific Coast	Actinopterygii
<i>Cataetx platyrhynchus</i>	North West Pacific Coast	Actinopterygii
<i>Centrodraco atrifilum</i>	North West Pacific Coast	Actinopterygii
<i>Cetonurichthys subinflatus</i>	North West Pacific Coast	Actinopterygii
<i>Chascanopsetta prognatha</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Chaunax pictus</i>	North West Pacific Coast	Actinopterygii
<i>Chaunax reticulatus</i>	North West Pacific Coast	Actinopterygii
<i>Chirolophis decoratus</i>	North West Pacific Coast	Actinopterygii
<i>Choeroichthys suillus</i>	North West Pacific Coast	Actinopterygii
<i>Chrionema furunoi</i>	North West Pacific Coast	Actinopterygii
<i>Cirrhilabrus joanallенаe</i>	North West Pacific Coast	Actinopterygii
<i>Cirripectes jenningsi</i>	North West Pacific Coast	Actinopterygii
<i>Cirripectes kuwamurai</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus dorsalis</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus japonicus</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus kermadecus</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus macrochir</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus macrolepis</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus parallelus</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus quadricristatus</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus quincunciatus</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus sheni</i>	North West Pacific Coast	Actinopterygii
<i>Coelorinchus weberi</i>	North West Pacific Coast	Actinopterygii
<i>Conidens samoensis</i>	North West Pacific Coast	Actinopterygii
<i>Coryphaenoides dubius</i>	North West Pacific Coast	Actinopterygii
<i>Coryphaenoides orthogrammus</i>	North West Pacific Coast	Actinopterygii
<i>Coryphaenoides rudis</i>	North West Pacific Coast	Actinopterygii
<i>Coryphaenoides woodmasoni</i>	North West Pacific Coast	Actinopterygii
<i>Corythoichthys conspicillatus</i>	North West Pacific Coast	Actinopterygii
<i>Crenimugil heterocheilos</i>	North West Pacific Coast	Actinopterygii
<i>Cryptacanthodes aleutensis</i>	North West Pacific Coast	Actinopterygii
<i>Cyclopteropsis brashnikowi</i>	North West Pacific Coast	Actinopterygii
<i>Davidijordania poecilimon</i>	North West Pacific Coast	Actinopterygii
<i>Diagramma labiosum</i>	North West Pacific Coast	Actinopterygii
<i>Diancistrus eremitus</i>	North West Pacific Coast	Actinopterygii
<i>Diaphus drachmanni</i>	North West Pacific Coast	Actinopterygii
<i>Diaphus wisneri</i>	North West Pacific Coast	Actinopterygii
<i>Dibranchus hystrix</i>	North West Pacific Coast	Actinopterygii
<i>Dibranchus nasutus</i>	North West Pacific Coast	Actinopterygii
<i>Diceratias pileatus</i>	North West Pacific Coast	Actinopterygii
<i>Dicrolene nigricaudis</i>	North West Pacific Coast	Actinopterygii
<i>Diplophos pacificus</i>	North West Pacific Coast	Actinopterygii
<i>Drombus halei</i>	North West Pacific Coast	Actinopterygii
<i>Drombus palackyi</i>	North West Pacific Coast	Actinopterygii
<i>Ebinania vermiculata</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius dilemma</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius fijiensis</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius isos</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius oculus</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius ops</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Ecsenius pardus</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius portenoyi</i>	North West Pacific Coast	Actinopterygii
<i>Ecsenius tessera</i>	North West Pacific Coast	Actinopterygii
<i>Elassodiscus obscurus</i>	North West Pacific Coast	Actinopterygii
<i>Enigmacanthus filamentosus</i>	North West Pacific Coast	Actinopterygii
<i>Enneapterygius cheni</i>	North West Pacific Coast	Actinopterygii
<i>Enneapterygius pusillus</i>	North West Pacific Coast	Actinopterygii
<i>Entomacrodus vermiculatus</i>	North West Pacific Coast	Actinopterygii
<i>Entomacrodus williamsi</i>	North West Pacific Coast	Actinopterygii
<i>Ereunias grallator</i>	North West Pacific Coast	Actinopterygii
<i>Eubalichthys caeruleoguttatus</i>	North West Pacific Coast	Actinopterygii
<i>Eugnathogobius variegatus</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus barbatus</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus derjugini</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus fedorovi</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus schmidtii</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus soldatovi</i>	North West Pacific Coast	Actinopterygii
<i>Eumicrotremus taranetzi</i>	North West Pacific Coast	Actinopterygii
<i>Eurypharynx pelecanoides</i>	North West Pacific Coast	Actinopterygii
<i>Eusurculus andamanensis</i>	North West Pacific Coast	Actinopterygii
<i>Eviota epistigmata</i>	North West Pacific Coast	Actinopterygii
<i>Eviota filamentosa</i>	North West Pacific Coast	Actinopterygii
<i>Eviota flebilis</i>	North West Pacific Coast	Actinopterygii
<i>Eviota karaspila</i>	North West Pacific Coast	Actinopterygii
<i>Eviota lachdeberiei</i>	North West Pacific Coast	Actinopterygii
<i>Eviota latifasciata</i>	North West Pacific Coast	Actinopterygii
<i>Eviota maculibotella</i>	North West Pacific Coast	Actinopterygii
<i>Eviota mimica</i>	North West Pacific Coast	Actinopterygii
<i>Eviota pinocchioii</i>	North West Pacific Coast	Actinopterygii
<i>Eviota richardi</i>	North West Pacific Coast	Actinopterygii
<i>Eviota rubriceps</i>	North West Pacific Coast	Actinopterygii
<i>Eviota rubriguttata</i>	North West Pacific Coast	Actinopterygii
<i>Eviota rubrimaculata</i>	North West Pacific Coast	Actinopterygii
<i>Eviota shibukawai</i>	North West Pacific Coast	Actinopterygii
<i>Eviota singula</i>	North West Pacific Coast	Actinopterygii
<i>Eviota specca</i>	North West Pacific Coast	Actinopterygii
<i>Eviota teresae</i>	North West Pacific Coast	Actinopterygii
<i>Eviota thamani</i>	North West Pacific Coast	Actinopterygii
<i>Eviota winterbottomi</i>	North West Pacific Coast	Actinopterygii
<i>Evoxymetopon taeniatus</i>	North West Pacific Coast	Actinopterygii
<i>Feia dabra</i>	North West Pacific Coast	Actinopterygii
<i>Festucalex rufus</i>	North West Pacific Coast	Actinopterygii
<i>Festucalex wassi</i>	North West Pacific Coast	Actinopterygii
<i>Gavialiceps taeniola</i>	North West Pacific Coast	Actinopterygii
<i>Gavialiceps taiwanensis</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Gigantactis krefftii</i>	North West Pacific Coast	Actinopterygii
<i>Gigantactis watermani</i>	North West Pacific Coast	Actinopterygii
<i>Gulaphallus panayensis</i>	North West Pacific Coast	Actinopterygii
<i>Gymnelopsis brevifenestrata</i>	North West Pacific Coast	Actinopterygii
<i>Gymnelus pauciporus</i>	North West Pacific Coast	Actinopterygii
<i>Gymnelus popovi</i>	North West Pacific Coast	Actinopterygii
<i>Hadropareia middendorffii</i>	North West Pacific Coast	Actinopterygii
<i>Halargyreus johnsonii</i>	North West Pacific Coast	Actinopterygii
<i>Halosaurus carinicauda</i>	North West Pacific Coast	Actinopterygii
<i>Halosaurus pectoralis</i>	North West Pacific Coast	Actinopterygii
<i>Hastatobythites arafurensis</i>	North West Pacific Coast	Actinopterygii
<i>Helcogramma cerasina</i>	North West Pacific Coast	Actinopterygii
<i>Helcogramma lacuna</i>	North West Pacific Coast	Actinopterygii
<i>Helcogramma nesion</i>	North West Pacific Coast	Actinopterygii
<i>Helicolenus fedorovi</i>	North West Pacific Coast	Actinopterygii
<i>Hemigobius mingi</i>	North West Pacific Coast	Actinopterygii
<i>Hemilepidotus jordani</i>	North West Pacific Coast	Actinopterygii
<i>Hemilepidotus zapus</i>	North West Pacific Coast	Actinopterygii
<i>Herwigia krefftii</i>	North West Pacific Coast	Actinopterygii
<i>Heteroteleotris exilis</i>	North West Pacific Coast	Actinopterygii
<i>Himantolophus borealis</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus bargibanti</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus colemani</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus coronatus</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus grandiceps</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus hendriki</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus japapigu</i>	North West Pacific Coast	Actinopterygii
<i>Hippocampus sindonis</i>	North West Pacific Coast	Actinopterygii
<i>Hirundichthys indicus</i>	North West Pacific Coast	Actinopterygii
<i>Holcomycteronus pterotus</i>	North West Pacific Coast	Actinopterygii
<i>Hoplichthys proseion</i>	North West Pacific Coast	Actinopterygii
<i>Icelus armatus</i>	North West Pacific Coast	Actinopterygii
<i>Icelus euryops</i>	North West Pacific Coast	Actinopterygii
<i>Ijimaia dofleini</i>	North West Pacific Coast	Actinopterygii
<i>Ilyophis nigeli</i>	North West Pacific Coast	Actinopterygii
<i>Iniistius griffithsi</i>	North West Pacific Coast	Actinopterygii
<i>Istiblennius coleii</i>	North West Pacific Coast	Actinopterygii
<i>Japonoconger sivicolus</i>	North West Pacific Coast	Actinopterygii
<i>Japonolycodes abei</i>	North West Pacific Coast	Actinopterygii
<i>Jaydia melanopus</i>	North West Pacific Coast	Actinopterygii
<i>Kali indica</i>	North West Pacific Coast	Actinopterygii
<i>Lachneratus phasmaticus</i>	North West Pacific Coast	Actinopterygii
<i>Laemonema filodorsale</i>	North West Pacific Coast	Actinopterygii
<i>Lampanyctus hubbsi</i>	North West Pacific Coast	Actinopterygii
<i>Lepidotrigla russelli</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Leptostichaeus pumilus</i>	North West Pacific Coast	Actinopterygii
<i>Leptostomias multifilis</i>	North West Pacific Coast	Actinopterygii
<i>Lestidiops ringens</i>	North West Pacific Coast	Actinopterygii
<i>Lestidium nudum</i>	North West Pacific Coast	Actinopterygii
<i>Lethotremus awae</i>	North West Pacific Coast	Actinopterygii
<i>Liopsetta glacialis</i>	North West Pacific Coast	Actinopterygii
<i>Liparis pulchellus</i>	North West Pacific Coast	Actinopterygii
<i>Lophodolos acanthognathus</i>	North West Pacific Coast	Actinopterygii
<i>Lumpenella longirostris</i>	North West Pacific Coast	Actinopterygii
<i>Lumpenus sagitta</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys albomaculata</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys alta</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys aurantiaca</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys crocalinus</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys makushok</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys melanostomias</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys remissaria</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys rosea</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys ryukyuensis</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys squamosa</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys tohokuensis</i>	North West Pacific Coast	Actinopterygii
<i>Lycenchelys vitiazi</i>	North West Pacific Coast	Actinopterygii
<i>Lycodapus derjugini</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes caudimaculatus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes japonicus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes jenseni</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes jugoricus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes marisalbi</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes microlepidotus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes mucosus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes nakamurae</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes ocellatus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes paucilepidotus</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes pectoralis</i>	North West Pacific Coast	Actinopterygii
<i>Lycodes soldatovi</i>	North West Pacific Coast	Actinopterygii
<i>Magadanichthys skopetsi</i>	North West Pacific Coast	Actinopterygii
<i>Malacocottus gibber</i>	North West Pacific Coast	Actinopterygii
<i>Malacosteus australis</i>	North West Pacific Coast	Actinopterygii
<i>Malthopsis asperata</i>	North West Pacific Coast	Actinopterygii
<i>Malthopsis parva</i>	North West Pacific Coast	Actinopterygii
<i>Margrethia valentinae</i>	North West Pacific Coast	Actinopterygii
<i>Meadia roseni</i>	North West Pacific Coast	Actinopterygii
<i>Melanostigma orientale</i>	North West Pacific Coast	Actinopterygii
<i>Melanostomias niger</i>	North West Pacific Coast	Actinopterygii
<i>Mephisto fraserbrunneri</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Microphotolepis schmidti</i>	North West Pacific Coast	Actinopterygii
<i>Microstomus pacificus</i>	North West Pacific Coast	Actinopterygii
<i>Microstomus shuntovi</i>	North West Pacific Coast	Actinopterygii
<i>Monomitopus conjugator</i>	North West Pacific Coast	Actinopterygii
<i>Monomitopus nigripinnis</i>	North West Pacific Coast	Actinopterygii
<i>Mora moro</i>	North West Pacific Coast	Actinopterygii
<i>Myoxocephalus scorpioides</i>	North West Pacific Coast	Actinopterygii
<i>Nannobranchium indicum</i>	North West Pacific Coast	Actinopterygii
<i>Nansenia candida</i>	North West Pacific Coast	Actinopterygii
<i>Narcetes stomias</i>	North West Pacific Coast	Actinopterygii
<i>Nemapteryx macronotacantha</i>	North West Pacific Coast	Actinopterygii
<i>Neobythites bimaculatus</i>	North West Pacific Coast	Actinopterygii
<i>Neobythites fijiensis</i>	North West Pacific Coast	Actinopterygii
<i>Neobythites pallidus</i>	North West Pacific Coast	Actinopterygii
<i>Neostethus villadolidi</i>	North West Pacific Coast	Actinopterygii
<i>Obliquogobius fluvostratus</i>	North West Pacific Coast	Actinopterygii
<i>Oncorhynchus mykiss</i>	North West Pacific Coast	Actinopterygii
<i>Oneirodes alius</i>	North West Pacific Coast	Actinopterygii
<i>Oneirodes cristatus</i>	North West Pacific Coast	Actinopterygii
<i>Oneirodes micronema</i>	North West Pacific Coast	Actinopterygii
<i>Oneirodes schmidti</i>	North West Pacific Coast	Actinopterygii
<i>Opaeophacus acrogeneius</i>	North West Pacific Coast	Actinopterygii
<i>Ophichthus aphotistos</i>	North West Pacific Coast	Actinopterygii
<i>Ophichthus exourus</i>	North West Pacific Coast	Actinopterygii
<i>Ophichthus microstictus</i>	North West Pacific Coast	Actinopterygii
<i>Ostorhinchus cyanotaenia</i>	North West Pacific Coast	Actinopterygii
<i>Palmoliparis beckeri</i>	North West Pacific Coast	Actinopterygii
<i>Pandaka pusilla</i>	North West Pacific Coast	Actinopterygii
<i>Paracheilinus rubricaudalis</i>	North West Pacific Coast	Actinopterygii
<i>Paragobiodon kasaii</i>	North West Pacific Coast	Actinopterygii
<i>Parahucho perryi</i>	North West Pacific Coast	Actinopterygii
<i>Paraliparis albeolus</i>	North West Pacific Coast	Actinopterygii
<i>Paraliparis entochloris</i>	North West Pacific Coast	Actinopterygii
<i>Paraliparis holomelas</i>	North West Pacific Coast	Actinopterygii
<i>Parascolopsis melanophrys</i>	North West Pacific Coast	Actinopterygii
<i>Parkraemeria saltator</i>	North West Pacific Coast	Actinopterygii
<i>Pentaceros wheeleri</i>	North West Pacific Coast	Actinopterygii
<i>Petroscirtes lupus</i>	North West Pacific Coast	Actinopterygii
<i>Petroscirtes springeri</i>	North West Pacific Coast	Actinopterygii
<i>Petroscirtes thepassii</i>	North West Pacific Coast	Actinopterygii
<i>Phallostethus lehi</i>	North West Pacific Coast	Actinopterygii
<i>Pholidapus dybowskii</i>	North West Pacific Coast	Actinopterygii
<i>Photostomias guernei</i>	North West Pacific Coast	Actinopterygii
<i>Phoxacromion kaneharai</i>	North West Pacific Coast	Actinopterygii
<i>Physiculus japonicus</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Phytichthys chirus</i>	North West Pacific Coast	Actinopterygii
<i>Platytroctes mirus</i>	North West Pacific Coast	Actinopterygii
<i>Polyipnus ovatus</i>	North West Pacific Coast	Actinopterygii
<i>Polyipnus tridentifer</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus albimaculus</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus bintanensis</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus callainus</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus limosus</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus microspilus</i>	North West Pacific Coast	Actinopterygii
<i>Pomacentrus wardi</i>	North West Pacific Coast	Actinopterygii
<i>Porocottus camtschaticus</i>	North West Pacific Coast	Actinopterygii
<i>Poromitra crassa</i>	North West Pacific Coast	Actinopterygii
<i>Poromitra cristiceps</i>	North West Pacific Coast	Actinopterygii
<i>Poromitra glochidiata</i>	North West Pacific Coast	Actinopterygii
<i>Praealticus tanegasimae</i>	North West Pacific Coast	Actinopterygii
<i>Praealticus triangulus</i>	North West Pacific Coast	Actinopterygii
<i>Priolepis triops</i>	North West Pacific Coast	Actinopterygii
<i>Priolepis vexilla</i>	North West Pacific Coast	Actinopterygii
<i>Prionurus scalprum</i>	North West Pacific Coast	Actinopterygii
<i>Pseudocaranx dentex</i>	North West Pacific Coast	Actinopterygii
<i>Pseudoliparis amblystomopsis</i>	North West Pacific Coast	Actinopterygii
<i>Pseudomonacanthus elongatus</i>	North West Pacific Coast	Actinopterygii
<i>Pseudonezumia cetonuropsis</i>	North West Pacific Coast	Actinopterygii
<i>Pseudonezumia japonicus</i>	North West Pacific Coast	Actinopterygii
<i>Pterygotrigla pauli</i>	North West Pacific Coast	Actinopterygii
<i>Puck pinnata</i>	North West Pacific Coast	Actinopterygii
<i>Puzanovia rubra</i>	North West Pacific Coast	Actinopterygii
<i>Pyramodon lindas</i>	North West Pacific Coast	Actinopterygii
<i>Randallichthys filamentosus</i>	North West Pacific Coast	Actinopterygii
<i>Redigobius isognathus</i>	North West Pacific Coast	Actinopterygii
<i>Rexea nakamurai</i>	North West Pacific Coast	Actinopterygii
<i>Rouleina danae</i>	North West Pacific Coast	Actinopterygii
<i>Salarias luctuosus</i>	North West Pacific Coast	Actinopterygii
<i>Salarias sexfilum</i>	North West Pacific Coast	Actinopterygii
<i>Salvelinus alpinus</i>	North West Pacific Coast	Actinopterygii
<i>Saurenhelys lateromaculatus</i>	North West Pacific Coast	Actinopterygii
<i>Schindleria brevipinguis</i>	North West Pacific Coast	Actinopterygii
<i>Schindleria pietschmanni</i>	North West Pacific Coast	Actinopterygii
<i>Scopelarchus stephensi</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes baramenuke</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes ciliatus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes crameri</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes flammeus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes hubbsi</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes ijimae</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Sebastes inermis</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes itinus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes longispinis</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes matsubara</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes melanops</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes minor</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes mystinus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes nivosus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes oblongus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes pachycephalus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes proriger</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes scythropus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes thompsoni</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes trivittatus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes variegatus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes ventriosus</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes vulpes</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes wakiyai</i>	North West Pacific Coast	Actinopterygii
<i>Sebastes zacentrus</i>	North West Pacific Coast	Actinopterygii
<i>Sicyopterus japonicus</i>	North West Pacific Coast	Actinopterygii
<i>Sicyopus zosterophorus</i>	North West Pacific Coast	Actinopterygii
<i>Siokunichthys bentuviai</i>	North West Pacific Coast	Actinopterygii
<i>Siokunichthys southwelli</i>	North West Pacific Coast	Actinopterygii
<i>Siphamia cuneiceps</i>	North West Pacific Coast	Actinopterygii
<i>Siphamia guttulata</i>	North West Pacific Coast	Actinopterygii
<i>Siphamia senoui</i>	North West Pacific Coast	Actinopterygii
<i>Stanulus talboti</i>	North West Pacific Coast	Actinopterygii
<i>Stegastes altus</i>	North West Pacific Coast	Actinopterygii
<i>Stegastes aureus</i>	North West Pacific Coast	Actinopterygii
<i>Stegastes insularis</i>	North West Pacific Coast	Actinopterygii
<i>Stephanolepis cirrhifer</i>	North West Pacific Coast	Actinopterygii
<i>Stereolepis doederleini</i>	North West Pacific Coast	Actinopterygii
<i>Stichaeus nozawae</i>	North West Pacific Coast	Actinopterygii
<i>Stichaeus ochriamkini</i>	North West Pacific Coast	Actinopterygii
<i>Sueviota larsonae</i>	North West Pacific Coast	Actinopterygii
<i>Suezichthys notatus</i>	North West Pacific Coast	Actinopterygii
<i>Symphurus regani</i>	North West Pacific Coast	Actinopterygii
<i>Symphurus thermophilus</i>	North West Pacific Coast	Actinopterygii
<i>Taenioides eruptionis</i>	North West Pacific Coast	Actinopterygii
<i>Temnocora candida</i>	North West Pacific Coast	Actinopterygii
<i>Tenuالosa ilisha</i>	North West Pacific Coast	Actinopterygii
<i>Thamnaconus fijiensis</i>	North West Pacific Coast	Actinopterygii
<i>Thorophos nexilis</i>	North West Pacific Coast	Actinopterygii
<i>Torquigener whitleyi</i>	North West Pacific Coast	Actinopterygii
<i>Trachinotus anak</i>	North West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Trachonurus yiwardaus</i>	North West Pacific Coast	Actinopterygii
<i>Trachurus japonicus</i>	North West Pacific Coast	Actinopterygii
<i>Tribolodon sachalinensis</i>	North West Pacific Coast	Actinopterygii
<i>Triglops dorothea</i>	North West Pacific Coast	Actinopterygii
<i>Trimma anthrenum</i>	North West Pacific Coast	Actinopterygii
<i>Trimma aturirii</i>	North West Pacific Coast	Actinopterygii
<i>Trimma burridgeae</i>	North West Pacific Coast	Actinopterygii
<i>Trimma fasciatum</i>	North West Pacific Coast	Actinopterygii
<i>Trimma habrum</i>	North West Pacific Coast	Actinopterygii
<i>Trimma hamartium</i>	North West Pacific Coast	Actinopterygii
<i>Trimma hotsarihiensis</i>	North West Pacific Coast	Actinopterygii
<i>Trimma imaii</i>	North West Pacific Coast	Actinopterygii
<i>Trimma kardium</i>	North West Pacific Coast	Actinopterygii
<i>Trimma pentherum</i>	North West Pacific Coast	Actinopterygii
<i>Trimma tauroculum</i>	North West Pacific Coast	Actinopterygii
<i>Trimma trioculatum</i>	North West Pacific Coast	Actinopterygii
<i>Trimmatom nanus</i>	North West Pacific Coast	Actinopterygii
<i>Tryssogobius flavolineatus</i>	North West Pacific Coast	Actinopterygii
<i>Tryssogobius porosus</i>	North West Pacific Coast	Actinopterygii
<i>Ulva aurochs</i>	North West Pacific Coast	Actinopterygii
<i>Unguisurculus williamsi</i>	North West Pacific Coast	Actinopterygii
<i>Vanderhorstia nannai</i>	North West Pacific Coast	Actinopterygii
<i>Venefica tentaculata</i>	North West Pacific Coast	Actinopterygii
<i>Zenopsis stabilispinosa</i>	North West Pacific Coast	Actinopterygii
<i>Zesticelus bathybius</i>	North West Pacific Coast	Actinopterygii
<i>Zesticelus ochotensis</i>	North West Pacific Coast	Actinopterygii
<i>Zoramia flebila</i>	North West Pacific Coast	Actinopterygii
<i>Apristurus fedorovi</i>	North West Pacific Coast	Elasmobranchii
<i>Apristurus gibbosus</i>	North West Pacific Coast	Elasmobranchii
<i>Apristurus macrorhynchus</i>	North West Pacific Coast	Elasmobranchii
<i>Bathyraja maculata</i>	North West Pacific Coast	Elasmobranchii
<i>Cephaloscyllium cooki</i>	North West Pacific Coast	Elasmobranchii
<i>Cephaloscyllium signourum</i>	North West Pacific Coast	Elasmobranchii
<i>Chiloscyllium hasseltii</i>	North West Pacific Coast	Elasmobranchii
<i>Galeus corriganae</i>	North West Pacific Coast	Elasmobranchii
<i>Hemisicyllium halmahera</i>	North West Pacific Coast	Elasmobranchii
<i>Narcine maculata</i>	North West Pacific Coast	Elasmobranchii
<i>Narcinops ornata</i>	North West Pacific Coast	Elasmobranchii
<i>Neotrygon picta</i>	North West Pacific Coast	Elasmobranchii
<i>Okamejei schmidtii</i>	North West Pacific Coast	Elasmobranchii
<i>Rhinobatos manai</i>	North West Pacific Coast	Elasmobranchii
<i>Rhinoraja kujiensis</i>	North West Pacific Coast	Elasmobranchii
<i>Urogymnus lobistoma</i>	North West Pacific Coast	Elasmobranchii
<i>Urolophus deforgesii</i>	North West Pacific Coast	Elasmobranchii
<i>Acyrtus lanthanum</i>	South Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Aiakas krefftii</i>	South Atlantic Coast	Actinopterygii
<i>Akko dionaea</i>	South Atlantic Coast	Actinopterygii
<i>Aluterus monoceros</i>	South Atlantic Coast	Actinopterygii
<i>Amblyrhynchotes honckenii</i>	South Atlantic Coast	Actinopterygii
<i>Anchoviella brevirostris</i>	South Atlantic Coast	Actinopterygii
<i>Anguilla mossambica</i>	South Atlantic Coast	Actinopterygii
<i>Antennablennius bifilum</i>	South Atlantic Coast	Actinopterygii
<i>Antennarius pardalis</i>	South Atlantic Coast	Actinopterygii
<i>Antennatus nummifer</i>	South Atlantic Coast	Actinopterygii
<i>Aphanopus mikhailini</i>	South Atlantic Coast	Actinopterygii
<i>Apogon imberbis</i>	South Atlantic Coast	Actinopterygii
<i>Aulostomus strigosus</i>	South Atlantic Coast	Actinopterygii
<i>Bassozetus levistomatus</i>	South Atlantic Coast	Actinopterygii
<i>Bassozetus zenkevitchi</i>	South Atlantic Coast	Actinopterygii
<i>Bathyonus caudalis</i>	South Atlantic Coast	Actinopterygii
<i>Benthodesmus elongatus</i>	South Atlantic Coast	Actinopterygii
<i>Bollmannia communis</i>	South Atlantic Coast	Actinopterygii
<i>Bothrocara molle</i>	South Atlantic Coast	Actinopterygii
<i>Brama japonica</i>	South Atlantic Coast	Actinopterygii
<i>Brevoortia pectinata</i>	South Atlantic Coast	Actinopterygii
<i>Bryx randalli</i>	South Atlantic Coast	Actinopterygii
<i>Caffrogobius caffer</i>	South Atlantic Coast	Actinopterygii
<i>Calamopteryx robinsorum</i>	South Atlantic Coast	Actinopterygii
<i>Cantherhines pardalis</i>	South Atlantic Coast	Actinopterygii
<i>Canthigaster solandri</i>	South Atlantic Coast	Actinopterygii
<i>Chelon tricuspiciens</i>	South Atlantic Coast	Actinopterygii
<i>Chelonodon laticeps</i>	South Atlantic Coast	Actinopterygii
<i>Chriolepis vespa</i>	South Atlantic Coast	Actinopterygii
<i>Chromis cadenati</i>	South Atlantic Coast	Actinopterygii
<i>Chromis chromis</i>	South Atlantic Coast	Actinopterygii
<i>Chromis limbata</i>	South Atlantic Coast	Actinopterygii
<i>Corcyrogobius lubbocki</i>	South Atlantic Coast	Actinopterygii
<i>Coryogalops william</i>	South Atlantic Coast	Actinopterygii
<i>Coryphopterus kuna</i>	South Atlantic Coast	Actinopterygii
<i>Cosmocampus profundus</i>	South Atlantic Coast	Actinopterygii
<i>Cryotheria peninsulæ</i>	South Atlantic Coast	Actinopterygii
<i>Ctenogobius phenacus</i>	South Atlantic Coast	Actinopterygii
<i>Decapterus macarellus</i>	South Atlantic Coast	Actinopterygii
<i>Discordipinna filamentosa</i>	South Atlantic Coast	Actinopterygii
<i>Elacatinus chancei</i>	South Atlantic Coast	Actinopterygii
<i>Elacatinus lori</i>	South Atlantic Coast	Actinopterygii
<i>Elagatis bipinnulata</i>	South Atlantic Coast	Actinopterygii
<i>Emblemaria australis</i>	South Atlantic Coast	Actinopterygii
<i>Emblemariopsis pricei</i>	South Atlantic Coast	Actinopterygii
<i>Engraulis capensis</i>	South Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Entomacrodus textilis</i>	South Atlantic Coast	Actinopterygii
<i>Ethmalosa fimbriata</i>	South Atlantic Coast	Actinopterygii
<i>Evermannichthys bicolor</i>	South Atlantic Coast	Actinopterygii
<i>Evermannichthys spongicola</i>	South Atlantic Coast	Actinopterygii
<i>Girella stuebeli</i>	South Atlantic Coast	Actinopterygii
<i>Girella zonata</i>	South Atlantic Coast	Actinopterygii
<i>Glossogobius giuris</i>	South Atlantic Coast	Actinopterygii
<i>Gnatholepis thompsoni</i>	South Atlantic Coast	Actinopterygii
<i>Gobiesox adustus</i>	South Atlantic Coast	Actinopterygii
<i>Gobioclinus bucciferus</i>	South Atlantic Coast	Actinopterygii
<i>Gobiosoma hemigymnum</i>	South Atlantic Coast	Actinopterygii
<i>Gorogobius nigrinctus</i>	South Atlantic Coast	Actinopterygii
<i>Grammonus longhursti</i>	South Atlantic Coast	Actinopterygii
<i>Gymnothorax favagineus</i>	South Atlantic Coast	Actinopterygii
<i>Gymnothorax nudivomer</i>	South Atlantic Coast	Actinopterygii
<i>Haemulon squamipinna</i>	South Atlantic Coast	Actinopterygii
<i>Halichoeres garnoti</i>	South Atlantic Coast	Actinopterygii
<i>Halichoeres sazimai</i>	South Atlantic Coast	Actinopterygii
<i>Helcogramma obtusirostris</i>	South Atlantic Coast	Actinopterygii
<i>Helicolenus mouchezi</i>	South Atlantic Coast	Actinopterygii
<i>Hippocampus algiricus</i>	South Atlantic Coast	Actinopterygii
<i>Hippocampus patagonicus</i>	South Atlantic Coast	Actinopterygii
<i>Hippocampus reidi</i>	South Atlantic Coast	Actinopterygii
<i>Holcomycteronus profundissimus</i>	South Atlantic Coast	Actinopterygii
<i>Hypleurochilus springeri</i>	South Atlantic Coast	Actinopterygii
<i>Hyporhamphus picarti</i>	South Atlantic Coast	Actinopterygii
<i>Ilisha africana</i>	South Atlantic Coast	Actinopterygii
<i>Istiompax indica</i>	South Atlantic Coast	Actinopterygii
<i>Kajikia audax</i>	South Atlantic Coast	Actinopterygii
<i>Lachnolaimus maximus</i>	South Atlantic Coast	Actinopterygii
<i>Lagocephalus inermis</i>	South Atlantic Coast	Actinopterygii
<i>Lagocephalus lunaris</i>	South Atlantic Coast	Actinopterygii
<i>Leucicorus atlanticus</i>	South Atlantic Coast	Actinopterygii
<i>Lutjanus agennes</i>	South Atlantic Coast	Actinopterygii
<i>Lutjanus buccanella</i>	South Atlantic Coast	Actinopterygii
<i>Lutjanus campechanus</i>	South Atlantic Coast	Actinopterygii
<i>Lutjanus dentatus</i>	South Atlantic Coast	Actinopterygii
<i>Lycenchelys argentina</i>	South Atlantic Coast	Actinopterygii
<i>Lycenchelys bachmanni</i>	South Atlantic Coast	Actinopterygii
<i>Lycenchelys bullisi</i>	South Atlantic Coast	Actinopterygii
<i>Lycodes terraenovae</i>	South Atlantic Coast	Actinopterygii
<i>Lycodonus vermiformis</i>	South Atlantic Coast	Actinopterygii
<i>Macruronus novaezelandiae</i>	South Atlantic Coast	Actinopterygii
<i>Membras vagrans</i>	South Atlantic Coast	Actinopterygii
<i>Micrognathus erugatus</i>	South Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Microspathodon frontatus</i>	South Atlantic Coast	Actinopterygii
<i>Moolgarda pedaraki</i>	South Atlantic Coast	Actinopterygii
<i>Mugil incilis</i>	South Atlantic Coast	Actinopterygii
<i>Myrophis anterodorsalis</i>	South Atlantic Coast	Actinopterygii
<i>Nerophis maculatus</i>	South Atlantic Coast	Actinopterygii
<i>Notacanthus abbotti</i>	South Atlantic Coast	Actinopterygii
<i>Nybelinella eriksoni</i>	South Atlantic Coast	Actinopterygii
<i>Ogilbia jeffwilliamsi</i>	South Atlantic Coast	Actinopterygii
<i>Ogilbia mccoskeri</i>	South Atlantic Coast	Actinopterygii
<i>Ogilbia tyleri</i>	South Atlantic Coast	Actinopterygii
<i>Ogilbichthys ferocis</i>	South Atlantic Coast	Actinopterygii
<i>Ogilbichthys kakuki</i>	South Atlantic Coast	Actinopterygii
<i>Ophidion guianense</i>	South Atlantic Coast	Actinopterygii
<i>Osteomugil robustus</i>	South Atlantic Coast	Actinopterygii
<i>Ostracion cubicus</i>	South Atlantic Coast	Actinopterygii
<i>Oxyurichthys microlepis</i>	South Atlantic Coast	Actinopterygii
<i>Pachycara caribbaeum</i>	South Atlantic Coast	Actinopterygii
<i>Pachycara crossacanthum</i>	South Atlantic Coast	Actinopterygii
<i>Pachycara thermophilum</i>	South Atlantic Coast	Actinopterygii
<i>Paedovaricus imswae</i>	South Atlantic Coast	Actinopterygii
<i>Palatogobius grandoculus</i>	South Atlantic Coast	Actinopterygii
<i>Parablennius dialloi</i>	South Atlantic Coast	Actinopterygii
<i>Parablennius sierraensis</i>	South Atlantic Coast	Actinopterygii
<i>Parablennius verryckenii</i>	South Atlantic Coast	Actinopterygii
<i>Parachaenichthys georgianus</i>	South Atlantic Coast	Actinopterygii
<i>Paraclinus arcanus</i>	South Atlantic Coast	Actinopterygii
<i>Paraclinus fasciatus</i>	South Atlantic Coast	Actinopterygii
<i>Paraclinus spectator</i>	South Atlantic Coast	Actinopterygii
<i>Paramonacanthus pusillus</i>	South Atlantic Coast	Actinopterygii
<i>Pellonula leonensis</i>	South Atlantic Coast	Actinopterygii
<i>Piedrabuenia ringueleti</i>	South Atlantic Coast	Actinopterygii
<i>Platygilhellus brasiliensis</i>	South Atlantic Coast	Actinopterygii
<i>Plectorhinchus macrolepis</i>	South Atlantic Coast	Actinopterygii
<i>Plectroglyphidodon leucozonus</i>	South Atlantic Coast	Actinopterygii
<i>Plectrypops lima</i>	South Atlantic Coast	Actinopterygii
<i>Pomadasy maculatus</i>	South Atlantic Coast	Actinopterygii
<i>Porogobius schlegelii</i>	South Atlantic Coast	Actinopterygii
<i>Prionurus biafraensis</i>	South Atlantic Coast	Actinopterygii
<i>Psilotris kaufmani</i>	South Atlantic Coast	Actinopterygii
<i>Rhinecanthus aculeatus</i>	South Atlantic Coast	Actinopterygii
<i>Saccogaster tuberculata</i>	South Atlantic Coast	Actinopterygii
<i>Sanopus splendidus</i>	South Atlantic Coast	Actinopterygii
<i>Sargocentron caudimaculatum</i>	South Atlantic Coast	Actinopterygii
<i>Sarpa salpa</i>	South Atlantic Coast	Actinopterygii
<i>Scartella emarginata</i>	South Atlantic Coast	Actinopterygii

Rare Species	System	Class
<i>Scartella poiti</i>	South Atlantic Coast	Actinopterygii
<i>Scarus hoeferi</i>	South Atlantic Coast	Actinopterygii
<i>Sciades parkeri</i>	South Atlantic Coast	Actinopterygii
<i>Sciades proops</i>	South Atlantic Coast	Actinopterygii
<i>Sciadonus jonassoni</i>	South Atlantic Coast	Actinopterygii
<i>Scomberomorus commerson</i>	South Atlantic Coast	Actinopterygii
<i>Scombrops boops</i>	South Atlantic Coast	Actinopterygii
<i>Sebastes capensis</i>	South Atlantic Coast	Actinopterygii
<i>Secutor insidiator</i>	South Atlantic Coast	Actinopterygii
<i>Secutor ruconius</i>	South Atlantic Coast	Actinopterygii
<i>Seleniolycus laevifasciatus</i>	South Atlantic Coast	Actinopterygii
<i>Seriola rivoliana</i>	South Atlantic Coast	Actinopterygii
<i>Solenostomus cyanopterus</i>	South Atlantic Coast	Actinopterygii
<i>Sphoeroides marmoratus</i>	South Atlantic Coast	Actinopterygii
<i>Sphyraena qenie</i>	South Atlantic Coast	Actinopterygii
<i>Starksia culebrae</i>	South Atlantic Coast	Actinopterygii
<i>Starksia fasciata</i>	South Atlantic Coast	Actinopterygii
<i>Starksia occidentalis</i>	South Atlantic Coast	Actinopterygii
<i>Starksia variabilis</i>	South Atlantic Coast	Actinopterygii
<i>Stegastes otophorus</i>	South Atlantic Coast	Actinopterygii
<i>Stegastes punctatus</i>	South Atlantic Coast	Actinopterygii
<i>Stegastes rocasensis</i>	South Atlantic Coast	Actinopterygii
<i>Stephanolepis auratus</i>	South Atlantic Coast	Actinopterygii
<i>Storrsia olsoni</i>	South Atlantic Coast	Actinopterygii
<i>Strongylura senegalensis</i>	South Atlantic Coast	Actinopterygii
<i>Syngnathoides biaculeatus</i>	South Atlantic Coast	Actinopterygii
<i>Syngnathus acus</i>	South Atlantic Coast	Actinopterygii
<i>Thalassoma purpureum</i>	South Atlantic Coast	Actinopterygii
<i>Thamnaconus modestoides</i>	South Atlantic Coast	Actinopterygii
<i>Thorogobius alvheimi</i>	South Atlantic Coast	Actinopterygii
<i>Thorogobius laureatus</i>	South Atlantic Coast	Actinopterygii
<i>Thorogobius rofeni</i>	South Atlantic Coast	Actinopterygii
<i>Tomicodon leurodiscus</i>	South Atlantic Coast	Actinopterygii
<i>Torquigener hypselogeneion</i>	South Atlantic Coast	Actinopterygii
<i>Trachinotus africanus</i>	South Atlantic Coast	Actinopterygii
<i>Trachinotus maxillosus</i>	South Atlantic Coast	Actinopterygii
<i>Trachinotus teraia</i>	South Atlantic Coast	Actinopterygii
<i>Vanneaugobius canariensis</i>	South Atlantic Coast	Actinopterygii
<i>Varicus marilynae</i>	South Atlantic Coast	Actinopterygii
<i>Vladichthys gloverensis</i>	South Atlantic Coast	Actinopterygii
<i>Volodichthys herwigi</i>	South Atlantic Coast	Actinopterygii
<i>Wheelerigobius maltzani</i>	South Atlantic Coast	Actinopterygii
<i>Carcharhinus amboinensis</i>	South Atlantic Coast	Elasmobranchii
<i>Cruriraja hullei</i>	South Atlantic Coast	Elasmobranchii
<i>Leucoraja compagno</i>	South Atlantic Coast	Elasmobranchii

Rare Species	System	Class
<i>Neoraja africana</i>	South Atlantic Coast	Elasmobranchii
<i>Raja parva</i>	South Atlantic Coast	Elasmobranchii
<i>Rhizoprionodon acutus</i>	South Atlantic Coast	Elasmobranchii
<i>Tetronarce cowleyi</i>	South Atlantic Coast	Elasmobranchii
<i>Urotrygon microphthalmum</i>	South Atlantic Coast	Elasmobranchii
<i>Zanobatus maculatus</i>	South Atlantic Coast	Elasmobranchii
<i>Abalistes filamentosus</i>	South East Pacific Coast	Actinopterygii
<i>Acentronura breviperula</i>	South East Pacific Coast	Actinopterygii
<i>Acreichthys radiatus</i>	South East Pacific Coast	Actinopterygii
<i>Amblyeleotris ogasawarensis</i>	South East Pacific Coast	Actinopterygii
<i>Amblyeleotris rubrimarginata</i>	South East Pacific Coast	Actinopterygii
<i>Amblygobius cheraphilus</i>	South East Pacific Coast	Actinopterygii
<i>Amblygobius decussatus</i>	South East Pacific Coast	Actinopterygii
<i>Anchoa nasus</i>	South East Pacific Coast	Actinopterygii
<i>Andamia amphibius</i>	South East Pacific Coast	Actinopterygii
<i>Anguilla dieffenbachii</i>	South East Pacific Coast	Actinopterygii
<i>Antennatus linearis</i>	South East Pacific Coast	Actinopterygii
<i>Apogon dammermani</i>	South East Pacific Coast	Actinopterygii
<i>Apogon guadalupensis</i>	South East Pacific Coast	Actinopterygii
<i>Apogon marquesensis</i>	South East Pacific Coast	Actinopterygii
<i>Apogon seminigracaudus</i>	South East Pacific Coast	Actinopterygii
<i>Apopterygion oculus</i>	South East Pacific Coast	Actinopterygii
<i>Atrosalarias holomelas</i>	South East Pacific Coast	Actinopterygii
<i>Barathronus maculatus</i>	South East Pacific Coast	Actinopterygii
<i>Bathygobius lineatus</i>	South East Pacific Coast	Actinopterygii
<i>Bathyphylax pruvosti</i>	South East Pacific Coast	Actinopterygii
<i>Cabillus macrophthalmus</i>	South East Pacific Coast	Actinopterygii
<i>Callionymus brevianalis</i>	South East Pacific Coast	Actinopterygii
<i>Callionymus marquesensis</i>	South East Pacific Coast	Actinopterygii
<i>Calotomus zonarchus</i>	South East Pacific Coast	Actinopterygii
<i>Campichthys tricarinatus</i>	South East Pacific Coast	Actinopterygii
<i>Cantherhines verecundus</i>	South East Pacific Coast	Actinopterygii
<i>Canthigaster callisterna</i>	South East Pacific Coast	Actinopterygii
<i>Careproctus ampliceps</i>	South East Pacific Coast	Actinopterygii
<i>Careproctus vladibeckeri</i>	South East Pacific Coast	Actinopterygii
<i>Chaunax latipunctatus</i>	South East Pacific Coast	Actinopterygii
<i>Chloroscombrus orqueta</i>	South East Pacific Coast	Actinopterygii
<i>Chlorurus bleekeri</i>	South East Pacific Coast	Actinopterygii
<i>Chromis dispilus</i>	South East Pacific Coast	Actinopterygii
<i>Chrysiptera rapanui</i>	South East Pacific Coast	Actinopterygii
<i>Chrysiptera rex</i>	South East Pacific Coast	Actinopterygii
<i>Chrysiptera unimaculata</i>	South East Pacific Coast	Actinopterygii
<i>Cirripectes perustus</i>	South East Pacific Coast	Actinopterygii
<i>Coelophrys oblonga</i>	South East Pacific Coast	Actinopterygii
<i>Coelorinchus commutabilis</i>	South East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Conocara nigrum</i>	South East Pacific Coast	Actinopterygii
<i>Contusus richiei</i>	South East Pacific Coast	Actinopterygii
<i>Coryphaenoides ferrieri</i>	South East Pacific Coast	Actinopterygii
<i>Cosmocampus heraldi</i>	South East Pacific Coast	Actinopterygii
<i>Crenimugil buehneri</i>	South East Pacific Coast	Actinopterygii
<i>Crocodilichthys gracilis</i>	South East Pacific Coast	Actinopterygii
<i>Ctenochaetus tominiensis</i>	South East Pacific Coast	Actinopterygii
<i>Ctenogobiops mitodes</i>	South East Pacific Coast	Actinopterygii
<i>Dactylagnus mundus</i>	South East Pacific Coast	Actinopterygii
<i>Dieidolycus leptodermatus</i>	South East Pacific Coast	Actinopterygii
<i>Doryrhamphus negrosensis</i>	South East Pacific Coast	Actinopterygii
<i>Dunckerocampus chapmani</i>	South East Pacific Coast	Actinopterygii
<i>Ecsenius fijiensis</i>	South East Pacific Coast	Actinopterygii
<i>Ecsenius pardus</i>	South East Pacific Coast	Actinopterygii
<i>Elops affinis</i>	South East Pacific Coast	Actinopterygii
<i>Enneanectes reticulatus</i>	South East Pacific Coast	Actinopterygii
<i>Enneapterygius atriceps</i>	South East Pacific Coast	Actinopterygii
<i>Enneapterygius mirabilis</i>	South East Pacific Coast	Actinopterygii
<i>Enneapterygius rubicauda</i>	South East Pacific Coast	Actinopterygii
<i>Eviota bipunctata</i>	South East Pacific Coast	Actinopterygii
<i>Eviota hoesei</i>	South East Pacific Coast	Actinopterygii
<i>Eviota karaspila</i>	South East Pacific Coast	Actinopterygii
<i>Eviota kermadecensis</i>	South East Pacific Coast	Actinopterygii
<i>Eviota lacrimosa</i>	South East Pacific Coast	Actinopterygii
<i>Eviota mimica</i>	South East Pacific Coast	Actinopterygii
<i>Eviota punctulata</i>	South East Pacific Coast	Actinopterygii
<i>Eviota queenslandica</i>	South East Pacific Coast	Actinopterygii
<i>Eviota richardi</i>	South East Pacific Coast	Actinopterygii
<i>Eviota spilota</i>	South East Pacific Coast	Actinopterygii
<i>Eviota storthynx</i>	South East Pacific Coast	Actinopterygii
<i>Eviota teresae</i>	South East Pacific Coast	Actinopterygii
<i>Eviota thamani</i>	South East Pacific Coast	Actinopterygii
<i>Exerpes asper</i>	South East Pacific Coast	Actinopterygii
<i>Festucalex gibbsi</i>	South East Pacific Coast	Actinopterygii
<i>Festucalex kulbickii</i>	South East Pacific Coast	Actinopterygii
<i>Fowlerichthys avalonis</i>	South East Pacific Coast	Actinopterygii
<i>Fusigobius gracilis</i>	South East Pacific Coast	Actinopterygii
<i>Girella albostrata</i>	South East Pacific Coast	Actinopterygii
<i>Girella cyanea</i>	South East Pacific Coast	Actinopterygii
<i>Girella fimbriata</i>	South East Pacific Coast	Actinopterygii
<i>Girella freminvillii</i>	South East Pacific Coast	Actinopterygii
<i>Glossogobius celebius</i>	South East Pacific Coast	Actinopterygii
<i>Gnatholepis knighti</i>	South East Pacific Coast	Actinopterygii
<i>Gobiodon erythrospilus</i>	South East Pacific Coast	Actinopterygii
<i>Gobiodon multilineatus</i>	South East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Gobiodon okinawae</i>	South East Pacific Coast	Actinopterygii
<i>Gobiodon unicolor</i>	South East Pacific Coast	Actinopterygii
<i>Gobiopsis atrata</i>	South East Pacific Coast	Actinopterygii
<i>Gobiopsis exigua</i>	South East Pacific Coast	Actinopterygii
<i>Gobiopsis malekulae</i>	South East Pacific Coast	Actinopterygii
<i>Grahamichthys radiata</i>	South East Pacific Coast	Actinopterygii
<i>Grallenia lauensis</i>	South East Pacific Coast	Actinopterygii
<i>Grammatorcynus bilineatus</i>	South East Pacific Coast	Actinopterygii
<i>Gymnapogon urospilotus</i>	South East Pacific Coast	Actinopterygii
<i>Halicampus edmondsoni</i>	South East Pacific Coast	Actinopterygii
<i>Halicampus nitidus</i>	South East Pacific Coast	Actinopterygii
<i>Halieutaea nigra</i>	South East Pacific Coast	Actinopterygii
<i>Harpagifer bispinis</i>	South East Pacific Coast	Actinopterygii
<i>Helcogramma cerasina</i>	South East Pacific Coast	Actinopterygii
<i>Helcogramma fuscipectoris</i>	South East Pacific Coast	Actinopterygii
<i>Helcogramma gymnauchen</i>	South East Pacific Coast	Actinopterygii
<i>Helcogramma obtusirostris</i>	South East Pacific Coast	Actinopterygii
<i>Hippichthys spicifer</i>	South East Pacific Coast	Actinopterygii
<i>Hippocampus ingens</i>	South East Pacific Coast	Actinopterygii
<i>Hypopleuron caninum</i>	South East Pacific Coast	Actinopterygii
<i>Kamoharaia megastoma</i>	South East Pacific Coast	Actinopterygii
<i>Lepidopus fitchi</i>	South East Pacific Coast	Actinopterygii
<i>Leptonotus elevatus</i>	South East Pacific Coast	Actinopterygii
<i>Leptonotus norae</i>	South East Pacific Coast	Actinopterygii
<i>Lophogobius bleekeri</i>	South East Pacific Coast	Actinopterygii
<i>Lycenchelys maoriensis</i>	South East Pacific Coast	Actinopterygii
<i>Lycenchelys monstrosa</i>	South East Pacific Coast	Actinopterygii
<i>Lycodapus antarcticus</i>	South East Pacific Coast	Actinopterygii
<i>Lycodapus pachysoma</i>	South East Pacific Coast	Actinopterygii
<i>Lycodichthys antarcticus</i>	South East Pacific Coast	Actinopterygii
<i>Lycodichthys dearborni</i>	South East Pacific Coast	Actinopterygii
<i>Meiacanthus phaeus</i>	South East Pacific Coast	Actinopterygii
<i>Meuschenia scaber</i>	South East Pacific Coast	Actinopterygii
<i>Micrognathus natans</i>	South East Pacific Coast	Actinopterygii
<i>Minyichthys myersi</i>	South East Pacific Coast	Actinopterygii
<i>Mycteroperca xenarcha</i>	South East Pacific Coast	Actinopterygii
<i>Myxodagnus walkeri</i>	South East Pacific Coast	Actinopterygii
<i>Notoclinops segmentatus</i>	South East Pacific Coast	Actinopterygii
<i>Novaculops koteamea</i>	South East Pacific Coast	Actinopterygii
<i>Oligoplites altus</i>	South East Pacific Coast	Actinopterygii
<i>Oneirodes anisacanthus</i>	South East Pacific Coast	Actinopterygii
<i>Ostorhinchus neotes</i>	South East Pacific Coast	Actinopterygii
<i>Ostorhinchus sinus</i>	South East Pacific Coast	Actinopterygii
<i>Oxyurichthys cornutus</i>	South East Pacific Coast	Actinopterygii
<i>Oxyurichthys tentacularis</i>	South East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Palutrus scapulopunctatus</i>	South East Pacific Coast	Actinopterygii
<i>Parabothus chlorospilus</i>	South East Pacific Coast	Actinopterygii
<i>Paracheilinus rubricaudalis</i>	South East Pacific Coast	Actinopterygii
<i>Paragobiodon melanosoma</i>	South East Pacific Coast	Actinopterygii
<i>Paragobiodon modestus</i>	South East Pacific Coast	Actinopterygii
<i>Paralichthys woolmani</i>	South East Pacific Coast	Actinopterygii
<i>Paraliparis nassarum</i>	South East Pacific Coast	Actinopterygii
<i>Paramonacanthus curtorthynchos</i>	South East Pacific Coast	Actinopterygii
<i>Parioglossus rainfordi</i>	South East Pacific Coast	Actinopterygii
<i>Phyllorhinichthys balushkini</i>	South East Pacific Coast	Actinopterygii
<i>Plectroglyphidodon sindonis</i>	South East Pacific Coast	Actinopterygii
<i>Poecilopsetta multiradiata</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus bankanensis</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus microspilus</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus moluccensis</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus nagasakiensis</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus nigromarginatus</i>	South East Pacific Coast	Actinopterygii
<i>Pomacentrus taeniometopon</i>	South East Pacific Coast	Actinopterygii
<i>Porogadus atripectus</i>	South East Pacific Coast	Actinopterygii
<i>Priolepis limbatosquamis</i>	South East Pacific Coast	Actinopterygii
<i>Priolepis pallidicincta</i>	South East Pacific Coast	Actinopterygii
<i>Pseudamiops diaphanes</i>	South East Pacific Coast	Actinopterygii
<i>Pseudonus acutus</i>	South East Pacific Coast	Actinopterygii
<i>Psilogobius mainlandi</i>	South East Pacific Coast	Actinopterygii
<i>Pterygotrigla pauli</i>	South East Pacific Coast	Actinopterygii
<i>Redigobius balteatus</i>	South East Pacific Coast	Actinopterygii
<i>Saccopharynx schmidti</i>	South East Pacific Coast	Actinopterygii
<i>Scarus quoyi</i>	South East Pacific Coast	Actinopterygii
<i>Schindleria pietschmanni</i>	South East Pacific Coast	Actinopterygii
<i>Scomber australasicus</i>	South East Pacific Coast	Actinopterygii
<i>Siganus vermiculatus</i>	South East Pacific Coast	Actinopterygii
<i>Siokunichthys herrei</i>	South East Pacific Coast	Actinopterygii
<i>Siphamia majimai</i>	South East Pacific Coast	Actinopterygii
<i>Siphamia randalli</i>	South East Pacific Coast	Actinopterygii
<i>Siphamia spinicola</i>	South East Pacific Coast	Actinopterygii
<i>Solegnathus hardwickii</i>	South East Pacific Coast	Actinopterygii
<i>Solegnathus spinosissimus</i>	South East Pacific Coast	Actinopterygii
<i>Sphoeroides lispus</i>	South East Pacific Coast	Actinopterygii
<i>Spottobrotula amaculata</i>	South East Pacific Coast	Actinopterygii
<i>Stalix histrio</i>	South East Pacific Coast	Actinopterygii
<i>Stegastes gascoynei</i>	South East Pacific Coast	Actinopterygii
<i>Stonogobiops medon</i>	South East Pacific Coast	Actinopterygii
<i>Stonogobiops yasha</i>	South East Pacific Coast	Actinopterygii
<i>Strongylura exilis</i>	South East Pacific Coast	Actinopterygii
<i>Strophidon sathete</i>	South East Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Sueviota atrinasa</i>	South East Pacific Coast	Actinopterygii
<i>Sueviota lachneri</i>	South East Pacific Coast	Actinopterygii
<i>Suezichthys notatus</i>	South East Pacific Coast	Actinopterygii
<i>Syngnathus euchrous</i>	South East Pacific Coast	Actinopterygii
<i>Torquigener brevipinnis</i>	South East Pacific Coast	Actinopterygii
<i>Torquigener hicksi</i>	South East Pacific Coast	Actinopterygii
<i>Torquigener parcuspinus</i>	South East Pacific Coast	Actinopterygii
<i>Torquigener randalli</i>	South East Pacific Coast	Actinopterygii
<i>Trachyrhamphus bicoarctatus</i>	South East Pacific Coast	Actinopterygii
<i>Trachyscorpia osheri</i>	South East Pacific Coast	Actinopterygii
<i>Trimma anaima</i>	South East Pacific Coast	Actinopterygii
<i>Trimma cana</i>	South East Pacific Coast	Actinopterygii
<i>Trimma capostriatum</i>	South East Pacific Coast	Actinopterygii
<i>Trimma finistrinum</i>	South East Pacific Coast	Actinopterygii
<i>Trimma flavatrum</i>	South East Pacific Coast	Actinopterygii
<i>Trimma lantana</i>	South East Pacific Coast	Actinopterygii
<i>Trimma macrophthalmus</i>	South East Pacific Coast	Actinopterygii
<i>Trimma nasa</i>	South East Pacific Coast	Actinopterygii
<i>Trimma nomurai</i>	South East Pacific Coast	Actinopterygii
<i>Trimma okinawae</i>	South East Pacific Coast	Actinopterygii
<i>Trimma pajama</i>	South East Pacific Coast	Actinopterygii
<i>Trimma preclarum</i>	South East Pacific Coast	Actinopterygii
<i>Trimma striatum</i>	South East Pacific Coast	Actinopterygii
<i>Trimma xanthochrum</i>	South East Pacific Coast	Actinopterygii
<i>Trimmatom macropodus</i>	South East Pacific Coast	Actinopterygii
<i>Trimmatom zapotes</i>	South East Pacific Coast	Actinopterygii
<i>Tylerius spinosissimus</i>	South East Pacific Coast	Actinopterygii
<i>Yarica hyalosoma</i>	South East Pacific Coast	Actinopterygii
<i>Zoramia flebila</i>	South East Pacific Coast	Actinopterygii
<i>Asymbolus galacticus</i>	South East Pacific Coast	Elasmobranchii
<i>Bathyraja albomaculata</i>	South East Pacific Coast	Elasmobranchii
<i>Bathyraja tzinovskii</i>	South East Pacific Coast	Elasmobranchii
<i>Mobula eregoodootenkee</i>	South East Pacific Coast	Elasmobranchii
<i>Mobula kuhlii</i>	South East Pacific Coast	Elasmobranchii
<i>Sinobatis borneensis</i>	South East Pacific Coast	Elasmobranchii
<i>Stegostoma fasciatum</i>	South East Pacific Coast	Elasmobranchii
<i>Urolophus piperatus</i>	South East Pacific Coast	Elasmobranchii
<i>Acanthaluteres spilomelanurus</i>	South West Pacific Coast	Actinopterygii
<i>Acanthaluteres vittiger</i>	South West Pacific Coast	Actinopterygii
<i>Acromycter alcocki</i>	South West Pacific Coast	Actinopterygii
<i>Aetapcus maculatus</i>	South West Pacific Coast	Actinopterygii
<i>Aioliops tetrophthalmus</i>	South West Pacific Coast	Actinopterygii
<i>Alabes bathys</i>	South West Pacific Coast	Actinopterygii
<i>Alabes dorsalis</i>	South West Pacific Coast	Actinopterygii
<i>Alabes hoesei</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Alabes parvula</i>	South West Pacific Coast	Actinopterygii
<i>Alepocephalus antipodians</i>	South West Pacific Coast	Actinopterygii
<i>Alepocephalus blanfordii</i>	South West Pacific Coast	Actinopterygii
<i>Alertichthys blacki</i>	South West Pacific Coast	Actinopterygii
<i>Allocyttus niger</i>	South West Pacific Coast	Actinopterygii
<i>Andamia amphibius</i>	South West Pacific Coast	Actinopterygii
<i>Anguilla australis</i>	South West Pacific Coast	Actinopterygii
<i>Anguilla dieffenbachii</i>	South West Pacific Coast	Actinopterygii
<i>Anguilla nebulosa</i>	South West Pacific Coast	Actinopterygii
<i>Anguilla reinhardtii</i>	South West Pacific Coast	Actinopterygii
<i>Antipodocottus megalops</i>	South West Pacific Coast	Actinopterygii
<i>Apogonichthyoides uninotatus</i>	South West Pacific Coast	Actinopterygii
<i>Apopterygion alta</i>	South West Pacific Coast	Actinopterygii
<i>Apopterygion oculus</i>	South West Pacific Coast	Actinopterygii
<i>Apterichtus australis</i>	South West Pacific Coast	Actinopterygii
<i>Argyrosomus japonicus</i>	South West Pacific Coast	Actinopterygii
<i>Arius microcephalus</i>	South West Pacific Coast	Actinopterygii
<i>Arius oetiki</i>	South West Pacific Coast	Actinopterygii
<i>Arnoglossus boops</i>	South West Pacific Coast	Actinopterygii
<i>Arothron carduus</i>	South West Pacific Coast	Actinopterygii
<i>Aspasmogaster occidentalis</i>	South West Pacific Coast	Actinopterygii
<i>Assiculoides desmonotus</i>	South West Pacific Coast	Actinopterygii
<i>Asthenomacrus victoris</i>	South West Pacific Coast	Actinopterygii
<i>Atractoscion aequidens</i>	South West Pacific Coast	Actinopterygii
<i>Aulastomatomorpha phospherops</i>	South West Pacific Coast	Actinopterygii
<i>Barathrodemus nasutus</i>	South West Pacific Coast	Actinopterygii
<i>Barathronus maculatus</i>	South West Pacific Coast	Actinopterygii
<i>Bascanichthys myersi</i>	South West Pacific Coast	Actinopterygii
<i>Bassozetus nasus</i>	South West Pacific Coast	Actinopterygii
<i>Bathophilus altipinnis</i>	South West Pacific Coast	Actinopterygii
<i>Bathyaploactis curtisensis</i>	South West Pacific Coast	Actinopterygii
<i>Bathycongrus aequoreus</i>	South West Pacific Coast	Actinopterygii
<i>Bathycongrus nasicus</i>	South West Pacific Coast	Actinopterygii
<i>Bathycongrus trilineatus</i>	South West Pacific Coast	Actinopterygii
<i>Bathhydraco macrolepis</i>	South West Pacific Coast	Actinopterygii
<i>Bathygadus bowersi</i>	South West Pacific Coast	Actinopterygii
<i>Bathylagus tenuis</i>	South West Pacific Coast	Actinopterygii
<i>Bathymicrops brevianalis</i>	South West Pacific Coast	Actinopterygii
<i>Bathypterois longicauda</i>	South West Pacific Coast	Actinopterygii
<i>Bathypterois oddi</i>	South West Pacific Coast	Actinopterygii
<i>Bathypterois ventralis</i>	South West Pacific Coast	Actinopterygii
<i>Benthodesmus macrophthalmus</i>	South West Pacific Coast	Actinopterygii
<i>Benthodesmus neglectus</i>	South West Pacific Coast	Actinopterygii
<i>Benthodesmus papua</i>	South West Pacific Coast	Actinopterygii
<i>Bhanotia nuda</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Bhanotia pauciradiata</i>	South West Pacific Coast	Actinopterygii
<i>Bothrocara molle</i>	South West Pacific Coast	Actinopterygii
<i>Bovitrigla acanthomoplate</i>	South West Pacific Coast	Actinopterygii
<i>Brachionichthys australis</i>	South West Pacific Coast	Actinopterygii
<i>Brotulotaenia brevicauda</i>	South West Pacific Coast	Actinopterygii
<i>Brotulotaenia crassa</i>	South West Pacific Coast	Actinopterygii
<i>Bryaninops earlei</i>	South West Pacific Coast	Actinopterygii
<i>Canthigaster callisterna</i>	South West Pacific Coast	Actinopterygii
<i>Canthigaster punctatissima</i>	South West Pacific Coast	Actinopterygii
<i>Careproctus ampliceps</i>	South West Pacific Coast	Actinopterygii
<i>Careproctus improvisus</i>	South West Pacific Coast	Actinopterygii
<i>Careproctus paxtoni</i>	South West Pacific Coast	Actinopterygii
<i>Careproctus vladibeckeri</i>	South West Pacific Coast	Actinopterygii
<i>Caristius macropus</i>	South West Pacific Coast	Actinopterygii
<i>Cataetyx simus</i>	South West Pacific Coast	Actinopterygii
<i>Centroberyx gerrardi</i>	South West Pacific Coast	Actinopterygii
<i>Cepola haastii</i>	South West Pacific Coast	Actinopterygii
<i>Cetomimoides parri</i>	South West Pacific Coast	Actinopterygii
<i>Cetonurichthys subinflatus</i>	South West Pacific Coast	Actinopterygii
<i>Chaenodraco wilsoni</i>	South West Pacific Coast	Actinopterygii
<i>Chaenophryne melanorhabdus</i>	South West Pacific Coast	Actinopterygii
<i>Chascanopsetta prorigera</i>	South West Pacific Coast	Actinopterygii
<i>Chaunacops coloratus</i>	South West Pacific Coast	Actinopterygii
<i>Chaunacops spinosus</i>	South West Pacific Coast	Actinopterygii
<i>Chaunax nudiventer</i>	South West Pacific Coast	Actinopterygii
<i>Chaunax pictus</i>	South West Pacific Coast	Actinopterygii
<i>Chiasmodon subniger</i>	South West Pacific Coast	Actinopterygii
<i>Chionodraco hamatus</i>	South West Pacific Coast	Actinopterygii
<i>Chionodraco myersi</i>	South West Pacific Coast	Actinopterygii
<i>Chlorophthalmus mento</i>	South West Pacific Coast	Actinopterygii
<i>Choerodon melanostigma</i>	South West Pacific Coast	Actinopterygii
<i>Choeroichthys suillus</i>	South West Pacific Coast	Actinopterygii
<i>Chromis dispilus</i>	South West Pacific Coast	Actinopterygii
<i>Chrysiptera traceyi</i>	South West Pacific Coast	Actinopterygii
<i>Cirrhilabrus joanallenae</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus cookianus</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus gladius</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus horribilis</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus macrolepis</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus notatus</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus quadricristatus</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus quincunciatus</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus spilonotus</i>	South West Pacific Coast	Actinopterygii
<i>Coelorinchus weberi</i>	South West Pacific Coast	Actinopterygii
<i>Coloconger raniceps</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Congiopodus coriaceus</i>	South West Pacific Coast	Actinopterygii
<i>Conidens samoensis</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides camurus</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides dubius</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides ferrieri</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides lecointei</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides longicirrhus</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides orthogrammus</i>	South West Pacific Coast	Actinopterygii
<i>Coryphaenoides woodmasoni</i>	South West Pacific Coast	Actinopterygii
<i>Corythoichthys conspicillatus</i>	South West Pacific Coast	Actinopterygii
<i>Cottunculus nudus</i>	South West Pacific Coast	Actinopterygii
<i>Cubiceps kotlyari</i>	South West Pacific Coast	Actinopterygii
<i>Cyclothone signata</i>	South West Pacific Coast	Actinopterygii
<i>Cygnodraco mawsoni</i>	South West Pacific Coast	Actinopterygii
<i>Dactylagnus mundus</i>	South West Pacific Coast	Actinopterygii
<i>Diaphus drachmanni</i>	South West Pacific Coast	Actinopterygii
<i>Dibranchius nasutus</i>	South West Pacific Coast	Actinopterygii
<i>Dicrolene filamentosa</i>	South West Pacific Coast	Actinopterygii
<i>Dicrolene multifilis</i>	South West Pacific Coast	Actinopterygii
<i>Dicrolene nigricaudis</i>	South West Pacific Coast	Actinopterygii
<i>Dieidolycus leptodermatus</i>	South West Pacific Coast	Actinopterygii
<i>Diplophos pacificus</i>	South West Pacific Coast	Actinopterygii
<i>Dolloidraco longedorsalis</i>	South West Pacific Coast	Actinopterygii
<i>Dunckerocampus chapmani</i>	South West Pacific Coast	Actinopterygii
<i>Dysomma bucephalus</i>	South West Pacific Coast	Actinopterygii
<i>Ebinania australiae</i>	South West Pacific Coast	Actinopterygii
<i>Ebinania macquariensis</i>	South West Pacific Coast	Actinopterygii
<i>Ecsenius alleni</i>	South West Pacific Coast	Actinopterygii
<i>Ecsenius fijiensis</i>	South West Pacific Coast	Actinopterygii
<i>Ecsenius isos</i>	South West Pacific Coast	Actinopterygii
<i>Ecsenius pardus</i>	South West Pacific Coast	Actinopterygii
<i>Ecsenius stictus</i>	South West Pacific Coast	Actinopterygii
<i>Elassodiscus caudatus</i>	South West Pacific Coast	Actinopterygii
<i>Enigmacanthus filamentosus</i>	South West Pacific Coast	Actinopterygii
<i>Enneapterygius clarkae</i>	South West Pacific Coast	Actinopterygii
<i>Entomacrodus vermiculatus</i>	South West Pacific Coast	Actinopterygii
<i>Entomacrodus williamsi</i>	South West Pacific Coast	Actinopterygii
<i>Epinephelus daemeli</i>	South West Pacific Coast	Actinopterygii
<i>Eubalichthys bucephalus</i>	South West Pacific Coast	Actinopterygii
<i>Eubalichthys caeruleoguttatus</i>	South West Pacific Coast	Actinopterygii
<i>Eubalichthys gunnii</i>	South West Pacific Coast	Actinopterygii
<i>Eubalichthys mosaicus</i>	South West Pacific Coast	Actinopterygii
<i>Eurypleuron owasianum</i>	South West Pacific Coast	Actinopterygii
<i>Eusurculus andamanensis</i>	South West Pacific Coast	Actinopterygii
<i>Eviota brahmi</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Eviota dorsopurpurea</i>	South West Pacific Coast	Actinopterygii
<i>Eviota karaspila</i>	South West Pacific Coast	Actinopterygii
<i>Eviota kermadecensis</i>	South West Pacific Coast	Actinopterygii
<i>Eviota lateritea</i>	South West Pacific Coast	Actinopterygii
<i>Eviota mikiae</i>	South West Pacific Coast	Actinopterygii
<i>Eviota mimica</i>	South West Pacific Coast	Actinopterygii
<i>Eviota minuta</i>	South West Pacific Coast	Actinopterygii
<i>Eviota pinocchio</i>	South West Pacific Coast	Actinopterygii
<i>Eviota richardi</i>	South West Pacific Coast	Actinopterygii
<i>Eviota singula</i>	South West Pacific Coast	Actinopterygii
<i>Eviota thamani</i>	South West Pacific Coast	Actinopterygii
<i>Festucalex cinctus</i>	South West Pacific Coast	Actinopterygii
<i>Festucalex rufus</i>	South West Pacific Coast	Actinopterygii
<i>Filicampus tigris</i>	South West Pacific Coast	Actinopterygii
<i>Foa yamba</i>	South West Pacific Coast	Actinopterygii
<i>Gavialiceps taeniola</i>	South West Pacific Coast	Actinopterygii
<i>Genypterus tigerinus</i>	South West Pacific Coast	Actinopterygii
<i>Gigantactis savagei</i>	South West Pacific Coast	Actinopterygii
<i>Girella cyanea</i>	South West Pacific Coast	Actinopterygii
<i>Girella elevata</i>	South West Pacific Coast	Actinopterygii
<i>Gnatholepis gymnocara</i>	South West Pacific Coast	Actinopterygii
<i>Gnathopis nasutus</i>	South West Pacific Coast	Actinopterygii
<i>Grallenia lauensis</i>	South West Pacific Coast	Actinopterygii
<i>Gulaphallus panayensis</i>	South West Pacific Coast	Actinopterygii
<i>Gymnapogon japonicus</i>	South West Pacific Coast	Actinopterygii
<i>Halosaurus attenuatus</i>	South West Pacific Coast	Actinopterygii
<i>Halosaurus carinicauda</i>	South West Pacific Coast	Actinopterygii
<i>Halosaurus radiatus</i>	South West Pacific Coast	Actinopterygii
<i>Harpadon squamosus</i>	South West Pacific Coast	Actinopterygii
<i>Helcogramma cerasina</i>	South West Pacific Coast	Actinopterygii
<i>Helicolenus barathri</i>	South West Pacific Coast	Actinopterygii
<i>Hemigobius mingi</i>	South West Pacific Coast	Actinopterygii
<i>Heraldia nocturna</i>	South West Pacific Coast	Actinopterygii
<i>Heteroleotris readerae</i>	South West Pacific Coast	Actinopterygii
<i>Heteroclinus johnstoni</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus breviceps</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus curvicauspis</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus fuscus</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus grandiceps</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus jugumus</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus minotaur</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus procerus</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus pusillus</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus whitei</i>	South West Pacific Coast	Actinopterygii
<i>Hippocampus zebra</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Holcomycteronus profundissimus</i>	South West Pacific Coast	Actinopterygii
<i>Holcomycteronus pterotus</i>	South West Pacific Coast	Actinopterygii
<i>Hoplostethus melanopeza</i>	South West Pacific Coast	Actinopterygii
<i>Hoplostethus mento</i>	South West Pacific Coast	Actinopterygii
<i>Hygophum atratum</i>	South West Pacific Coast	Actinopterygii
<i>Hyporthodus ergastularius</i>	South West Pacific Coast	Actinopterygii
<i>Ichthyococcus parini</i>	South West Pacific Coast	Actinopterygii
<i>Idiotropiscis lumnitzeri</i>	South West Pacific Coast	Actinopterygii
<i>Ilypnus gilberti</i>	South West Pacific Coast	Actinopterygii
<i>Iniistius griffithsi</i>	South West Pacific Coast	Actinopterygii
<i>Istigobius campbelli</i>	South West Pacific Coast	Actinopterygii
<i>Istigobius hoesei</i>	South West Pacific Coast	Actinopterygii
<i>Jaydia photogaster</i>	South West Pacific Coast	Actinopterygii
<i>Kaupus costatus</i>	South West Pacific Coast	Actinopterygii
<i>Kimblaeus bassensis</i>	South West Pacific Coast	Actinopterygii
<i>Kopua nuimata</i>	South West Pacific Coast	Actinopterygii
<i>Kuiterichthys furcipilis</i>	South West Pacific Coast	Actinopterygii
<i>Laemonema filodorsale</i>	South West Pacific Coast	Actinopterygii
<i>Lampanyctus hubbsi</i>	South West Pacific Coast	Actinopterygii
<i>Lampanyctus omostigma</i>	South West Pacific Coast	Actinopterygii
<i>Lamprogrammus shcherbachevi</i>	South West Pacific Coast	Actinopterygii
<i>Lasiognathus saccostoma</i>	South West Pacific Coast	Actinopterygii
<i>Lepidonotothen squamifrons</i>	South West Pacific Coast	Actinopterygii
<i>Lepidotrigla annamarae</i>	South West Pacific Coast	Actinopterygii
<i>Lepidotrigla musorstom</i>	South West Pacific Coast	Actinopterygii
<i>Leptobrotula breviventralis</i>	South West Pacific Coast	Actinopterygii
<i>Leptoderma affinis</i>	South West Pacific Coast	Actinopterygii
<i>Leptoichthys fistularius</i>	South West Pacific Coast	Actinopterygii
<i>Leptonotus elevatus</i>	South West Pacific Coast	Actinopterygii
<i>Leptonotus norae</i>	South West Pacific Coast	Actinopterygii
<i>Liparis fucensis</i>	South West Pacific Coast	Actinopterygii
<i>Lissocampus filum</i>	South West Pacific Coast	Actinopterygii
<i>Lissocampus runa</i>	South West Pacific Coast	Actinopterygii
<i>Lophiodes maculatus</i>	South West Pacific Coast	Actinopterygii
<i>Lophotus lacepede</i>	South West Pacific Coast	Actinopterygii
<i>Lumpenopsis hypochroma</i>	South West Pacific Coast	Actinopterygii
<i>Lycenchelys antarctica</i>	South West Pacific Coast	Actinopterygii
<i>Lycenchelys jordani</i>	South West Pacific Coast	Actinopterygii
<i>Lycenchelys maoriensis</i>	South West Pacific Coast	Actinopterygii
<i>Lycenchelys scaurus</i>	South West Pacific Coast	Actinopterygii
<i>Lycodapus antarcticus</i>	South West Pacific Coast	Actinopterygii
<i>Lycodapus endemoscotus</i>	South West Pacific Coast	Actinopterygii
<i>Lycodichthys antarcticus</i>	South West Pacific Coast	Actinopterygii
<i>Lycodichthys dearborni</i>	South West Pacific Coast	Actinopterygii
<i>Malacocephalus laevis</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Marilyna pleurosticta</i>	South West Pacific Coast	Actinopterygii
<i>Maroubra perserrata</i>	South West Pacific Coast	Actinopterygii
<i>Matanui profundum</i>	South West Pacific Coast	Actinopterygii
<i>Mecaenichthys immaculatus</i>	South West Pacific Coast	Actinopterygii
<i>Meiacanthus limbatus</i>	South West Pacific Coast	Actinopterygii
<i>Melamphaes microps</i>	South West Pacific Coast	Actinopterygii
<i>Mephisto fraserbrunneri</i>	South West Pacific Coast	Actinopterygii
<i>Meuschenia freycineti</i>	South West Pacific Coast	Actinopterygii
<i>Meuschenia hippocrepis</i>	South West Pacific Coast	Actinopterygii
<i>Meuschenia trachylepis</i>	South West Pacific Coast	Actinopterygii
<i>Microbrotula greenfieldi</i>	South West Pacific Coast	Actinopterygii
<i>Micromesistius australis</i>	South West Pacific Coast	Actinopterygii
<i>Microphotolepis schmidti</i>	South West Pacific Coast	Actinopterygii
<i>Microspathodon dorsalis</i>	South West Pacific Coast	Actinopterygii
<i>Mitotichthys semistriatus</i>	South West Pacific Coast	Actinopterygii
<i>Mitotichthys tuckeri</i>	South West Pacific Coast	Actinopterygii
<i>Monomitopus conjugator</i>	South West Pacific Coast	Actinopterygii
<i>Monomitopus nigripinnis</i>	South West Pacific Coast	Actinopterygii
<i>Muraenolepis evseenkoi</i>	South West Pacific Coast	Actinopterygii
<i>Nannobranchium indicum</i>	South West Pacific Coast	Actinopterygii
<i>Nansenia longicauda</i>	South West Pacific Coast	Actinopterygii
<i>Nelusetta ayraud</i>	South West Pacific Coast	Actinopterygii
<i>Nemapteryx caelata</i>	South West Pacific Coast	Actinopterygii
<i>Nemapteryx macronotacantha</i>	South West Pacific Coast	Actinopterygii
<i>Nematalosa nasus</i>	South West Pacific Coast	Actinopterygii
<i>Neoachirosetta milfordi</i>	South West Pacific Coast	Actinopterygii
<i>Neobythites bimarginatus</i>	South West Pacific Coast	Actinopterygii
<i>Neobythites fijiensis</i>	South West Pacific Coast	Actinopterygii
<i>Neobythites neocaledoniensis</i>	South West Pacific Coast	Actinopterygii
<i>Neobythites stelliferoides</i>	South West Pacific Coast	Actinopterygii
<i>Neocaristius heemstrai</i>	South West Pacific Coast	Actinopterygii
<i>Neopagetopsis ionah</i>	South West Pacific Coast	Actinopterygii
<i>Neopataecus waterhousii</i>	South West Pacific Coast	Actinopterygii
<i>Neostethus villadolidi</i>	South West Pacific Coast	Actinopterygii
<i>Nesogobius greeni</i>	South West Pacific Coast	Actinopterygii
<i>Nesogobius maccullochi</i>	South West Pacific Coast	Actinopterygii
<i>Nezumia loricata</i>	South West Pacific Coast	Actinopterygii
<i>Nezumia merretti</i>	South West Pacific Coast	Actinopterygii
<i>Nezumia soela</i>	South West Pacific Coast	Actinopterygii
<i>Notiocampus ruber</i>	South West Pacific Coast	Actinopterygii
<i>Notolabrus cinctus</i>	South West Pacific Coast	Actinopterygii
<i>Notolepis annulata</i>	South West Pacific Coast	Actinopterygii
<i>Notolepis coatsi</i>	South West Pacific Coast	Actinopterygii
<i>Notothenia angustata</i>	South West Pacific Coast	Actinopterygii
<i>Notothenia coriiceps</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Notothenia neglecta</i>	South West Pacific Coast	Actinopterygii
<i>Notothenia rossii</i>	South West Pacific Coast	Actinopterygii
<i>Odontamblyopus rubicundus</i>	South West Pacific Coast	Actinopterygii
<i>Omegophora armilla</i>	South West Pacific Coast	Actinopterygii
<i>Omobranchus anolius</i>	South West Pacific Coast	Actinopterygii
<i>Oneirodes cristatus</i>	South West Pacific Coast	Actinopterygii
<i>Oneirodes dicromischus</i>	South West Pacific Coast	Actinopterygii
<i>Oneirodes micronema</i>	South West Pacific Coast	Actinopterygii
<i>Oneirodes schmidtii</i>	South West Pacific Coast	Actinopterygii
<i>Ophichthus tetratrema</i>	South West Pacific Coast	Actinopterygii
<i>Ophthalmolepis lineolata</i>	South West Pacific Coast	Actinopterygii
<i>Ophthalmolycus amberensis</i>	South West Pacific Coast	Actinopterygii
<i>Ophthalmolycus bothriocephalus</i>	South West Pacific Coast	Actinopterygii
<i>Pachycara brachycephalum</i>	South West Pacific Coast	Actinopterygii
<i>Pachycara garricki</i>	South West Pacific Coast	Actinopterygii
<i>Pachycara suspectum</i>	South West Pacific Coast	Actinopterygii
<i>Parablennius yatabei</i>	South West Pacific Coast	Actinopterygii
<i>Paracheilinus rubricaudalis</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis albescens</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis antarcticus</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis cephalus</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis costatus</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis dactylosus</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis hawaiiensis</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis leobergi</i>	South West Pacific Coast	Actinopterygii
<i>Paraliparis meridionalis</i>	South West Pacific Coast	Actinopterygii
<i>Paramonacanthus lowei</i>	South West Pacific Coast	Actinopterygii
<i>Paramonacanthus otisensis</i>	South West Pacific Coast	Actinopterygii
<i>Paraploactis trachyderma</i>	South West Pacific Coast	Actinopterygii
<i>Parascolopsis melanophrys</i>	South West Pacific Coast	Actinopterygii
<i>Parkraemeria ornata</i>	South West Pacific Coast	Actinopterygii
<i>Parvilux boschmai</i>	South West Pacific Coast	Actinopterygii
<i>Pataecus fronto</i>	South West Pacific Coast	Actinopterygii
<i>Pegasus lancifer</i>	South West Pacific Coast	Actinopterygii
<i>Peristrominous dolosus</i>	South West Pacific Coast	Actinopterygii
<i>Petroscirtes lupus</i>	South West Pacific Coast	Actinopterygii
<i>Petroscirtes thepassii</i>	South West Pacific Coast	Actinopterygii
<i>Phallostethus lehi</i>	South West Pacific Coast	Actinopterygii
<i>Photostomias liemi</i>	South West Pacific Coast	Actinopterygii
<i>Phyllopteryx taeniolatus</i>	South West Pacific Coast	Actinopterygii
<i>Platytrectes mirus</i>	South West Pacific Coast	Actinopterygii
<i>Plicofollis dussumieri</i>	South West Pacific Coast	Actinopterygii
<i>Poecilopsetta multiradiata</i>	South West Pacific Coast	Actinopterygii
<i>Pogonophryne marmorata</i>	South West Pacific Coast	Actinopterygii
<i>Polyipnus danae</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Polyipnus ovatus</i>	South West Pacific Coast	Actinopterygii
<i>Polyipnus tridentifer</i>	South West Pacific Coast	Actinopterygii
<i>Pomacentrus albimaculus</i>	South West Pacific Coast	Actinopterygii
<i>Pomacentrus bintanensis</i>	South West Pacific Coast	Actinopterygii
<i>Pomacentrus callainus</i>	South West Pacific Coast	Actinopterygii
<i>Pomacentrus microspilus</i>	South West Pacific Coast	Actinopterygii
<i>Poromitra glochidiata</i>	South West Pacific Coast	Actinopterygii
<i>Praealticus tanegasimae</i>	South West Pacific Coast	Actinopterygii
<i>Praealticus triangulus</i>	South West Pacific Coast	Actinopterygii
<i>Priolepis triops</i>	South West Pacific Coast	Actinopterygii
<i>Psednos balushkini</i>	South West Pacific Coast	Actinopterygii
<i>Pseudocaranx wrighti</i>	South West Pacific Coast	Actinopterygii
<i>Pterygotrigla robertsi</i>	South West Pacific Coast	Actinopterygii
<i>Pugnaso curtirostris</i>	South West Pacific Coast	Actinopterygii
<i>Pycnocraspedum armatum</i>	South West Pacific Coast	Actinopterygii
<i>Pyramodon lindas</i>	South West Pacific Coast	Actinopterygii
<i>Redigobius isognathus</i>	South West Pacific Coast	Actinopterygii
<i>Redigobius macrostoma</i>	South West Pacific Coast	Actinopterygii
<i>Regalecus russelii</i>	South West Pacific Coast	Actinopterygii
<i>Rexea nakamurai</i>	South West Pacific Coast	Actinopterygii
<i>Saccopharynx schmidtii</i>	South West Pacific Coast	Actinopterygii
<i>Sarda australis</i>	South West Pacific Coast	Actinopterygii
<i>Schindleria brevipinguis</i>	South West Pacific Coast	Actinopterygii
<i>Scolecenchelys castlei</i>	South West Pacific Coast	Actinopterygii
<i>Sebastiscus marmoratus</i>	South West Pacific Coast	Actinopterygii
<i>Sebastiscus tertius</i>	South West Pacific Coast	Actinopterygii
<i>Seriola hippos</i>	South West Pacific Coast	Actinopterygii
<i>Silhouettea insinuans</i>	South West Pacific Coast	Actinopterygii
<i>Silhouettea nuchipunctatus</i>	South West Pacific Coast	Actinopterygii
<i>Siphamia cephalotes</i>	South West Pacific Coast	Actinopterygii
<i>Siphamia guttulata</i>	South West Pacific Coast	Actinopterygii
<i>Solegnathus dunckeri</i>	South West Pacific Coast	Actinopterygii
<i>Solegnathus robustus</i>	South West Pacific Coast	Actinopterygii
<i>Solegnathus spinosissimus</i>	South West Pacific Coast	Actinopterygii
<i>Sphagemacrurus gibber</i>	South West Pacific Coast	Actinopterygii
<i>Sprattus muelleri</i>	South West Pacific Coast	Actinopterygii
<i>Stegastes apicalis</i>	South West Pacific Coast	Actinopterygii
<i>Stegastes insularis</i>	South West Pacific Coast	Actinopterygii
<i>Stigmatopora argus</i>	South West Pacific Coast	Actinopterygii
<i>Stigmatopora nigra</i>	South West Pacific Coast	Actinopterygii
<i>Stolephorus baganensis</i>	South West Pacific Coast	Actinopterygii
<i>Symphurus australis</i>	South West Pacific Coast	Actinopterygii
<i>Symphurus regani</i>	South West Pacific Coast	Actinopterygii
<i>Symphurus trifasciatus</i>	South West Pacific Coast	Actinopterygii
<i>Taenioides eruptionis</i>	South West Pacific Coast	Actinopterygii

Rare Species	System	Class
<i>Talismania bifurcata</i>	South West Pacific Coast	Actinopterygii
<i>Taranetzella lyoderma</i>	South West Pacific Coast	Actinopterygii
<i>Tasmanogobius lasti</i>	South West Pacific Coast	Actinopterygii
<i>Tetractenos glaber</i>	South West Pacific Coast	Actinopterygii
<i>Tetractenos hamiltoni</i>	South West Pacific Coast	Actinopterygii
<i>Thalasseleotris adela</i>	South West Pacific Coast	Actinopterygii
<i>Thamnaconus degeni</i>	South West Pacific Coast	Actinopterygii
<i>Thamnaconus fijiensis</i>	South West Pacific Coast	Actinopterygii
<i>Thorophos nexilis</i>	South West Pacific Coast	Actinopterygii
<i>Tomiyamichthys nudus</i>	South West Pacific Coast	Actinopterygii
<i>Torquigener altipinnis</i>	South West Pacific Coast	Actinopterygii
<i>Torquigener andersonae</i>	South West Pacific Coast	Actinopterygii
<i>Torquigener gloerfelti</i>	South West Pacific Coast	Actinopterygii
<i>Trachinotus coppingeri</i>	South West Pacific Coast	Actinopterygii
<i>Trachonurus yiwardaus</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus bernacchii</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus eulepidotus</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus hansonii</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus newnesi</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus nicolai</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus pennellii</i>	South West Pacific Coast	Actinopterygii
<i>Trematomus tokarevi</i>	South West Pacific Coast	Actinopterygii
<i>Triacanthodes intermedius</i>	South West Pacific Coast	Actinopterygii
<i>Trimma aturirii</i>	South West Pacific Coast	Actinopterygii
<i>Trimma fasciatum</i>	South West Pacific Coast	Actinopterygii
<i>Trimma finistrinum</i>	South West Pacific Coast	Actinopterygii
<i>Trimma habrum</i>	South West Pacific Coast	Actinopterygii
<i>Trimma hotsarihiensis</i>	South West Pacific Coast	Actinopterygii
<i>Trimma imaii</i>	South West Pacific Coast	Actinopterygii
<i>Trimma kardinum</i>	South West Pacific Coast	Actinopterygii
<i>Trinorfolkia incisa</i>	South West Pacific Coast	Actinopterygii
<i>Tryssogobius flavolineatus</i>	South West Pacific Coast	Actinopterygii
<i>Vanacampus margaritifer</i>	South West Pacific Coast	Actinopterygii
<i>Vanacampus phillipi</i>	South West Pacific Coast	Actinopterygii
<i>Vanacampus poecilolaemus</i>	South West Pacific Coast	Actinopterygii
<i>Xenomystax atrarius</i>	South West Pacific Coast	Actinopterygii
<i>Zanclorhynchus spinifer</i>	South West Pacific Coast	Actinopterygii
<i>Zenopsis conchifer</i>	South West Pacific Coast	Actinopterygii
<i>Zenopsis stabilispinosa</i>	South West Pacific Coast	Actinopterygii
<i>Zoramia flebila</i>	South West Pacific Coast	Actinopterygii
<i>Zu elongatus</i>	South West Pacific Coast	Actinopterygii
<i>Apristurus platyrhynchus</i>	South West Pacific Coast	Elasmobranchii
<i>Bathyraja richardsoni</i>	South West Pacific Coast	Elasmobranchii
<i>Dipturus acrobelus</i>	South West Pacific Coast	Elasmobranchii
<i>Dipturus canutus</i>	South West Pacific Coast	Elasmobranchii

Rare Species	System	Class
<i>Dipturus gigas</i>	South West Pacific Coast	Elasmobranchii
<i>Dipturus melanospilus</i>	South West Pacific Coast	Elasmobranchii
<i>Galeus eastmani</i>	South West Pacific Coast	Elasmobranchii
<i>Galeus priapus</i>	South West Pacific Coast	Elasmobranchii
<i>Hemiscyllium freycineti</i>	South West Pacific Coast	Elasmobranchii
<i>Hemiscyllium michaeli</i>	South West Pacific Coast	Elasmobranchii
<i>Hemitrygon parvonigra</i>	South West Pacific Coast	Elasmobranchii
<i>Narcinops nelsoni</i>	South West Pacific Coast	Elasmobranchii
<i>Narke dipterygia</i>	South West Pacific Coast	Elasmobranchii
<i>Notoraja azurea</i>	South West Pacific Coast	Elasmobranchii
<i>Notoraja sapphira</i>	South West Pacific Coast	Elasmobranchii
<i>Okamejei leptoura</i>	South West Pacific Coast	Elasmobranchii
<i>Pastinachus solocirostris</i>	South West Pacific Coast	Elasmobranchii
<i>Pavoraja mosaica</i>	South West Pacific Coast	Elasmobranchii
<i>Pavoraja umbrosa</i>	South West Pacific Coast	Elasmobranchii
<i>Rajella challengerii</i>	South West Pacific Coast	Elasmobranchii
<i>Sinobatis bulbicauda</i>	South West Pacific Coast	Elasmobranchii
<i>Sinobatis filicauda</i>	South West Pacific Coast	Elasmobranchii
<i>Typhlonarke aysoni</i>	South West Pacific Coast	Elasmobranchii
<i>Urogymnus lobistoma</i>	South West Pacific Coast	Elasmobranchii
<i>Urolophus kapalensis</i>	South West Pacific Coast	Elasmobranchii
<i>Abalistes stellaris</i>	Indian Ocean High Sea	Actinopterygii
<i>Abudefduf sexfasciatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Abudefduf vaigiensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus auranticavus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus blochii</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus dussumieri</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus guttatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus leucosternon</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus lineatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus nigrofuscus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus nigroris</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus pyroferus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acanthurus tennentii</i>	Indian Ocean High Sea	Actinopterygii
<i>Acentrogobius audax</i>	Indian Ocean High Sea	Actinopterygii
<i>Acentrogobius caninus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acentrogobius viridipunctatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Acentronura tentaculata</i>	Indian Ocean High Sea	Actinopterygii
<i>Acreichthys hajam</i>	Indian Ocean High Sea	Actinopterygii
<i>Agonostomus telfairii</i>	Indian Ocean High Sea	Actinopterygii
<i>Alloblennius parvus</i>	Indian Ocean High Sea	Actinopterygii
<i>Aluterus monoceros</i>	Indian Ocean High Sea	Actinopterygii
<i>Aluterus scriptus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ambassis interrupta</i>	Indian Ocean High Sea	Actinopterygii
<i>Amblyeleotris downingi</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Amblyglyphidodon batunai</i>	Indian Ocean High Sea	Actinopterygii
<i>Amblyglyphidodon indicus</i>	Indian Ocean High Sea	Actinopterygii
<i>Amblygobius albimaculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Amblygobius nocturnus</i>	Indian Ocean High Sea	Actinopterygii
<i>Amblygobius semicinctus</i>	Indian Ocean High Sea	Actinopterygii
<i>Amioides polyacanthus</i>	Indian Ocean High Sea	Actinopterygii
<i>Amphiprion akallopisos</i>	Indian Ocean High Sea	Actinopterygii
<i>Anguilla bengalensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Anguilla bicolor</i>	Indian Ocean High Sea	Actinopterygii
<i>Anguilla marmorata</i>	Indian Ocean High Sea	Actinopterygii
<i>Anodontostoma chacunda</i>	Indian Ocean High Sea	Actinopterygii
<i>Antennablennius bifilum</i>	Indian Ocean High Sea	Actinopterygii
<i>Antennablennius variopunctatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Antennatus linearis</i>	Indian Ocean High Sea	Actinopterygii
<i>Apogon campbelli</i>	Indian Ocean High Sea	Actinopterygii
<i>Apogon indicus</i>	Indian Ocean High Sea	Actinopterygii
<i>Apogon rubellus</i>	Indian Ocean High Sea	Actinopterygii
<i>Apogonichthyoides regani</i>	Indian Ocean High Sea	Actinopterygii
<i>Arcygobius baliurus</i>	Indian Ocean High Sea	Actinopterygii
<i>Arius sumatranus</i>	Indian Ocean High Sea	Actinopterygii
<i>Arothron immaculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Arothron mappa</i>	Indian Ocean High Sea	Actinopterygii
<i>Arothron multilineatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Asterropteryx semipunctata</i>	Indian Ocean High Sea	Actinopterygii
<i>Astronesthes tanibe</i>	Indian Ocean High Sea	Actinopterygii
<i>Balistoides viridescens</i>	Indian Ocean High Sea	Actinopterygii
<i>Barathronus maculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Barbuligobius boehlkei</i>	Indian Ocean High Sea	Actinopterygii
<i>Bathygobius meggitti</i>	Indian Ocean High Sea	Actinopterygii
<i>Bathytrophops sewelli</i>	Indian Ocean High Sea	Actinopterygii
<i>Benthodesmus oligoradiatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryaninops erythrops</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryaninops natans</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryaninops ridens</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryaninops tigris</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryaninops yongei</i>	Indian Ocean High Sea	Actinopterygii
<i>Bryx analicarens</i>	Indian Ocean High Sea	Actinopterygii
<i>Bulbonaricus davaoensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Cabillus lacertops</i>	Indian Ocean High Sea	Actinopterygii
<i>Cabillus tongarevae</i>	Indian Ocean High Sea	Actinopterygii
<i>Callogobius flavobrunneus</i>	Indian Ocean High Sea	Actinopterygii
<i>Calotomus spinidens</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster amboinensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster bennetti</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster cyanospilota</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Canthigaster natalensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster petersii</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster tyleri</i>	Indian Ocean High Sea	Actinopterygii
<i>Canthigaster valentini</i>	Indian Ocean High Sea	Actinopterygii
<i>Caranx lugubris</i>	Indian Ocean High Sea	Actinopterygii
<i>Cetoscarus ocellatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chaetodon octofasciatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chaunax flammeus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cheilinus undulatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chelon planiceps</i>	Indian Ocean High Sea	Actinopterygii
<i>Chlorurus atrilunula</i>	Indian Ocean High Sea	Actinopterygii
<i>Chlorurus enneacanthus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chlorurus gibbus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chlorurus oedema</i>	Indian Ocean High Sea	Actinopterygii
<i>Chlorurus rhakoura</i>	Indian Ocean High Sea	Actinopterygii
<i>Choeroichthys brachysoma</i>	Indian Ocean High Sea	Actinopterygii
<i>Choeroichthys sculptus</i>	Indian Ocean High Sea	Actinopterygii
<i>Chromis axillaris</i>	Indian Ocean High Sea	Actinopterygii
<i>Chromis cinerascens</i>	Indian Ocean High Sea	Actinopterygii
<i>Chromis trialepha</i>	Indian Ocean High Sea	Actinopterygii
<i>Chrysiptera brownriggii</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes auritus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes castaneus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes filamentosus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes gilberti</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes perustus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes quagga</i>	Indian Ocean High Sea	Actinopterygii
<i>Cirripectes stigmaticus</i>	Indian Ocean High Sea	Actinopterygii
<i>Coelorinchus quadricristatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Coris aygula</i>	Indian Ocean High Sea	Actinopterygii
<i>Coryogalops anomolus</i>	Indian Ocean High Sea	Actinopterygii
<i>Coryphaenoides woodmasoni</i>	Indian Ocean High Sea	Actinopterygii
<i>Corythoichthys amplexus</i>	Indian Ocean High Sea	Actinopterygii
<i>Corythoichthys flavofasciatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Corythoichthys haematopterus</i>	Indian Ocean High Sea	Actinopterygii
<i>Corythoichthys nigripectus</i>	Indian Ocean High Sea	Actinopterygii
<i>Corythoichthys schultzi</i>	Indian Ocean High Sea	Actinopterygii
<i>Cosmocampus banneri</i>	Indian Ocean High Sea	Actinopterygii
<i>Cosmocampus maxweberi</i>	Indian Ocean High Sea	Actinopterygii
<i>Cosmocampus retropinnis</i>	Indian Ocean High Sea	Actinopterygii
<i>Cottunculus spinosus</i>	Indian Ocean High Sea	Actinopterygii
<i>Crenimugil buehneri</i>	Indian Ocean High Sea	Actinopterygii
<i>Ctenochaetus striatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ctenochaetus truncatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Cubiceps kotlyari</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Dascyllus marginatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Decapterus macarellus</i>	Indian Ocean High Sea	Actinopterygii
<i>Discordipinna griessingeri</i>	Indian Ocean High Sea	Actinopterygii
<i>Drombus key</i>	Indian Ocean High Sea	Actinopterygii
<i>Drombus triangularis</i>	Indian Ocean High Sea	Actinopterygii
<i>Dunckerocampus dactyliophorus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ecsenius bicolor</i>	Indian Ocean High Sea	Actinopterygii
<i>Ecsenius lineatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ecsenius nalolo</i>	Indian Ocean High Sea	Actinopterygii
<i>Enchelynassa canina</i>	Indian Ocean High Sea	Actinopterygii
<i>Enneapterygius abeli</i>	Indian Ocean High Sea	Actinopterygii
<i>Enneapterygius clarkae</i>	Indian Ocean High Sea	Actinopterygii
<i>Enneapterygius gruschkai</i>	Indian Ocean High Sea	Actinopterygii
<i>Enneapterygius pusillus</i>	Indian Ocean High Sea	Actinopterygii
<i>Enneapterygius tutuilae</i>	Indian Ocean High Sea	Actinopterygii
<i>Epinephelus lanceolatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Euthynnus affinis</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota bipunctata</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota distigma</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota guttata</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota indica</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota infulata</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota mikiae</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota nebulosa</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota notata</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota pardalota</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota prasina</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota sebreei</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota sigillata</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota springeri</i>	Indian Ocean High Sea	Actinopterygii
<i>Eviota zebrina</i>	Indian Ocean High Sea	Actinopterygii
<i>Exyrias belissimus</i>	Indian Ocean High Sea	Actinopterygii
<i>Feia nympha</i>	Indian Ocean High Sea	Actinopterygii
<i>Fusigobius humeralis</i>	Indian Ocean High Sea	Actinopterygii
<i>Fusigobius inframaculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Fusigobius maximus</i>	Indian Ocean High Sea	Actinopterygii
<i>Fusigobius neophytus</i>	Indian Ocean High Sea	Actinopterygii
<i>Fusigobius pallidus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gnatholepis cauerensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobiodon fulvus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobiodon prolixus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobiodon rivulatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobiodon unicolor</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobionotothen acuta</i>	Indian Ocean High Sea	Actinopterygii
<i>Gobius bontii</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Gymnapogon africanus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnosarda unicolor</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnothorax favagineus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnothorax flavimarginatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnothorax javanicus</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnothorax johnsoni</i>	Indian Ocean High Sea	Actinopterygii
<i>Gymnothorax polyuranodon</i>	Indian Ocean High Sea	Actinopterygii
<i>Halicampus macrorhynchus</i>	Indian Ocean High Sea	Actinopterygii
<i>Halicampus spinirostris</i>	Indian Ocean High Sea	Actinopterygii
<i>Halichoeres leptotaenia</i>	Indian Ocean High Sea	Actinopterygii
<i>Halieutopsis ingerorum</i>	Indian Ocean High Sea	Actinopterygii
<i>Harpadon translucens</i>	Indian Ocean High Sea	Actinopterygii
<i>Helcogramma alkamr</i>	Indian Ocean High Sea	Actinopterygii
<i>Helcogramma chica</i>	Indian Ocean High Sea	Actinopterygii
<i>Helcogramma ellioti</i>	Indian Ocean High Sea	Actinopterygii
<i>Helcogramma obtusirostris</i>	Indian Ocean High Sea	Actinopterygii
<i>Heteroleotris apora</i>	Indian Ocean High Sea	Actinopterygii
<i>Heteroleotris nebulofasciata</i>	Indian Ocean High Sea	Actinopterygii
<i>Heteroleotris vulgaris</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippichthys cyanospilos</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippichthys penicillus</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippocampus fuscus</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippocampus histrix</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippocampus kelloggi</i>	Indian Ocean High Sea	Actinopterygii
<i>Hippocampus kuda</i>	Indian Ocean High Sea	Actinopterygii
<i>Hipposcarus harid</i>	Indian Ocean High Sea	Actinopterygii
<i>Hirculops cornifer</i>	Indian Ocean High Sea	Actinopterygii
<i>Holcomycteronus profundissimus</i>	Indian Ocean High Sea	Actinopterygii
<i>Iniistius griffithsi</i>	Indian Ocean High Sea	Actinopterygii
<i>Jaydia hungi</i>	Indian Ocean High Sea	Actinopterygii
<i>Jaydia queketti</i>	Indian Ocean High Sea	Actinopterygii
<i>Koumansetta hectori</i>	Indian Ocean High Sea	Actinopterygii
<i>Kyonemichthys rumengani</i>	Indian Ocean High Sea	Actinopterygii
<i>Lachneratus phasmaticus</i>	Indian Ocean High Sea	Actinopterygii
<i>Lagocephalus guentheri</i>	Indian Ocean High Sea	Actinopterygii
<i>Lagocephalus lunaris</i>	Indian Ocean High Sea	Actinopterygii
<i>Lagocephalus scleratus</i>	Indian Ocean High Sea	Actinopterygii
<i>Lagocephalus spadiceus</i>	Indian Ocean High Sea	Actinopterygii
<i>Lates calcarifer</i>	Indian Ocean High Sea	Actinopterygii
<i>Leptocephalus giganteus</i>	Indian Ocean High Sea	Actinopterygii
<i>Leptoscarus vaigiensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Lichia amia</i>	Indian Ocean High Sea	Actinopterygii
<i>Limnichthys nitidus</i>	Indian Ocean High Sea	Actinopterygii
<i>Lindbergichthys mizops</i>	Indian Ocean High Sea	Actinopterygii
<i>Lobulogobius omanensis</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Luposicya lupus</i>	Indian Ocean High Sea	Actinopterygii
<i>Macrodontogobius wilburi</i>	Indian Ocean High Sea	Actinopterygii
<i>Majungaichthys agalegae</i>	Indian Ocean High Sea	Actinopterygii
<i>Mascarenichthys heemstrai</i>	Indian Ocean High Sea	Actinopterygii
<i>Megalops cyprinoides</i>	Indian Ocean High Sea	Actinopterygii
<i>Meiacanthus fraseri</i>	Indian Ocean High Sea	Actinopterygii
<i>Mephisto fraserbrunneri</i>	Indian Ocean High Sea	Actinopterygii
<i>Micrognathus andersonii</i>	Indian Ocean High Sea	Actinopterygii
<i>Microphis argulus</i>	Indian Ocean High Sea	Actinopterygii
<i>Microphis millepunctatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Mimoblennius atrocinctus</i>	Indian Ocean High Sea	Actinopterygii
<i>Minyichthys myersi</i>	Indian Ocean High Sea	Actinopterygii
<i>Nannocampus pictus</i>	Indian Ocean High Sea	Actinopterygii
<i>Naso annulatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Naso elegans</i>	Indian Ocean High Sea	Actinopterygii
<i>Naso fageni</i>	Indian Ocean High Sea	Actinopterygii
<i>Naso tonganus</i>	Indian Ocean High Sea	Actinopterygii
<i>Netuma bilineata</i>	Indian Ocean High Sea	Actinopterygii
<i>Netuma thalassina</i>	Indian Ocean High Sea	Actinopterygii
<i>Oligolepis acutipennis</i>	Indian Ocean High Sea	Actinopterygii
<i>Omobranchus fasciolatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Omobranchus punctatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Opistognathus nigromarginatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Osteomugil robustus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ostichthys archiepiscopus</i>	Indian Ocean High Sea	Actinopterygii
<i>Ostorhinchus gularis</i>	Indian Ocean High Sea	Actinopterygii
<i>Oxyurichthys microlepis</i>	Indian Ocean High Sea	Actinopterygii
<i>Oxyurichthys ophthalmonema</i>	Indian Ocean High Sea	Actinopterygii
<i>Oxyurichthys tentacularis</i>	Indian Ocean High Sea	Actinopterygii
<i>Parablennius opercularis</i>	Indian Ocean High Sea	Actinopterygii
<i>Parablennius thysanius</i>	Indian Ocean High Sea	Actinopterygii
<i>Parachaeturichthys polynema</i>	Indian Ocean High Sea	Actinopterygii
<i>Paragobiodon echinocephalus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paragobiodon lacunicolus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paragobiodon melanosoma</i>	Indian Ocean High Sea	Actinopterygii
<i>Paragobiodon modestus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paragobiodon xanthosoma</i>	Indian Ocean High Sea	Actinopterygii
<i>Paraliparis costatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paraliparis gracilis</i>	Indian Ocean High Sea	Actinopterygii
<i>Paraluteres prionurus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paramonacanthus frenatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paramonacanthus pusillus</i>	Indian Ocean High Sea	Actinopterygii
<i>Paratrypauchen microcephalus</i>	Indian Ocean High Sea	Actinopterygii
<i>Parioglossus taeniatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Penopus micropthalmus</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Pervagor aspricaudus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pervagor janthinosoma</i>	Indian Ocean High Sea	Actinopterygii
<i>Pervagor melanocephalus</i>	Indian Ocean High Sea	Actinopterygii
<i>Petroscirtes mitratus</i>	Indian Ocean High Sea	Actinopterygii
<i>Phoxocampus belcheri</i>	Indian Ocean High Sea	Actinopterygii
<i>Phoxocampus diacanthus</i>	Indian Ocean High Sea	Actinopterygii
<i>Planiliza alata</i>	Indian Ocean High Sea	Actinopterygii
<i>Planiliza macrolepis</i>	Indian Ocean High Sea	Actinopterygii
<i>Plectroglyphidodon imparipennis</i>	Indian Ocean High Sea	Actinopterygii
<i>Plectroglyphidodon lacrymatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Plectroglyphidodon leucozonus</i>	Indian Ocean High Sea	Actinopterygii
<i>Plectroglyphidodon phoenixensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Plesiops mystaxus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya annandalei</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya coerulea</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya elongata</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya fringilla</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya mossambica</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya muscarum</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya occidentalis</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya plicata</i>	Indian Ocean High Sea	Actinopterygii
<i>Pleurosicya prognatha</i>	Indian Ocean High Sea	Actinopterygii
<i>Plicofollis dussumieri</i>	Indian Ocean High Sea	Actinopterygii
<i>Plicofollis layardi</i>	Indian Ocean High Sea	Actinopterygii
<i>Plicofollis tonggol</i>	Indian Ocean High Sea	Actinopterygii
<i>Plotosus canius</i>	Indian Ocean High Sea	Actinopterygii
<i>Pomacanthus imperator</i>	Indian Ocean High Sea	Actinopterygii
<i>Pomacentrus albicaudatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pomacentrus aquilus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pomacentrus baenschi</i>	Indian Ocean High Sea	Actinopterygii
<i>Pomacentrus nagasakiensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Porogadus melanocephalus</i>	Indian Ocean High Sea	Actinopterygii
<i>Priolepis compita</i>	Indian Ocean High Sea	Actinopterygii
<i>Priolepis inhaca</i>	Indian Ocean High Sea	Actinopterygii
<i>Priolepis nocturna</i>	Indian Ocean High Sea	Actinopterygii
<i>Priolepis semidoliata</i>	Indian Ocean High Sea	Actinopterygii
<i>Psettodes erumei</i>	Indian Ocean High Sea	Actinopterygii
<i>Pseudamiops pellucidus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pseudochromis caudalis</i>	Indian Ocean High Sea	Actinopterygii
<i>Pseudogobius melanostictus</i>	Indian Ocean High Sea	Actinopterygii
<i>Pseudojuloides severnsi</i>	Indian Ocean High Sea	Actinopterygii
<i>Pseudorhombus arsius</i>	Indian Ocean High Sea	Actinopterygii
<i>Pteragogus taeniops</i>	Indian Ocean High Sea	Actinopterygii
<i>Rastrelliger kanagurta</i>	Indian Ocean High Sea	Actinopterygii
<i>Rhinomuraena quaesita</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Salarias alboguttatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Samariscus maculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Sarda orientalis</i>	Indian Ocean High Sea	Actinopterygii
<i>Sardinella fimbriata</i>	Indian Ocean High Sea	Actinopterygii
<i>Sardinella gibbosa</i>	Indian Ocean High Sea	Actinopterygii
<i>Saurenhelys lateromaculatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus caudofasciatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus falcipinnis</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus ferrugineus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus festivus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus frenatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus globiceps</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus niger</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus oviceps</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus prasiognathos</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus psittacus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus quoyi</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus rubroviolaceus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus russelii</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus scaber</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus tricolor</i>	Indian Ocean High Sea	Actinopterygii
<i>Scarus viridifucatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Scomberomorus commerson</i>	Indian Ocean High Sea	Actinopterygii
<i>Silhouettea insinuans</i>	Indian Ocean High Sea	Actinopterygii
<i>Siokunichthys herrei</i>	Indian Ocean High Sea	Actinopterygii
<i>Siphamia mossambica</i>	Indian Ocean High Sea	Actinopterygii
<i>Solegnathus hardwickii</i>	Indian Ocean High Sea	Actinopterygii
<i>Sphoeroides pachygaster</i>	Indian Ocean High Sea	Actinopterygii
<i>Sphyraena barracuda</i>	Indian Ocean High Sea	Actinopterygii
<i>Spratelloides gracilis</i>	Indian Ocean High Sea	Actinopterygii
<i>Stalix histrio</i>	Indian Ocean High Sea	Actinopterygii
<i>Stanulus seychellensis</i>	Indian Ocean High Sea	Actinopterygii
<i>Stegastes fasciolatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Stegastes nigricans</i>	Indian Ocean High Sea	Actinopterygii
<i>Stegastes obreptus</i>	Indian Ocean High Sea	Actinopterygii
<i>Stonogobiops nematodes</i>	Indian Ocean High Sea	Actinopterygii
<i>Strongylura strongylura</i>	Indian Ocean High Sea	Actinopterygii
<i>Strophidon sathete</i>	Indian Ocean High Sea	Actinopterygii
<i>Sueviota aprica</i>	Indian Ocean High Sea	Actinopterygii
<i>Sueviota lachneri</i>	Indian Ocean High Sea	Actinopterygii
<i>Takifugu oblongus</i>	Indian Ocean High Sea	Actinopterygii
<i>Taractichthys longipinnis</i>	Indian Ocean High Sea	Actinopterygii
<i>Terapon jarbua</i>	Indian Ocean High Sea	Actinopterygii
<i>Terapon puta</i>	Indian Ocean High Sea	Actinopterygii
<i>Terelabrus rubrovittatus</i>	Indian Ocean High Sea	Actinopterygii

Rare Species	System	Class
<i>Thamnaconus fajardoi</i>	Indian Ocean High Sea	Actinopterygii
<i>Thunnus tonggol</i>	Indian Ocean High Sea	Actinopterygii
<i>Thyrsitoides marleyi</i>	Indian Ocean High Sea	Actinopterygii
<i>Tomiyamichthys fourmanoiri</i>	Indian Ocean High Sea	Actinopterygii
<i>Torquigener hypselogeneion</i>	Indian Ocean High Sea	Actinopterygii
<i>Trachyrhamphus bicoarctatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Trachyrhamphus longirostris</i>	Indian Ocean High Sea	Actinopterygii
<i>Triacanthus biaculeatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma anaima</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma annosum</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma dalerocheila</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma emeryi</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma flammeum</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma griffithsi</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma haima</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma hoesei</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma macrophthalmus</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma mendelssohni</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma sheppardi</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma striatum</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma volcana</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimma winterbottomi</i>	Indian Ocean High Sea	Actinopterygii
<i>Trimmatom pharus</i>	Indian Ocean High Sea	Actinopterygii
<i>Trypauchen vagina</i>	Indian Ocean High Sea	Actinopterygii
<i>Valamugil speigleri</i>	Indian Ocean High Sea	Actinopterygii
<i>Valenciennea strigata</i>	Indian Ocean High Sea	Actinopterygii
<i>Xenisthmus polyzonatus</i>	Indian Ocean High Sea	Actinopterygii
<i>Xyelacyba myersi</i>	Indian Ocean High Sea	Actinopterygii
<i>Yongeichthys criniger</i>	Indian Ocean High Sea	Actinopterygii
<i>Zebrasoma desjardinii</i>	Indian Ocean High Sea	Actinopterygii
<i>Zebrasoma scopas</i>	Indian Ocean High Sea	Actinopterygii
<i>Zebrasoma velifer</i>	Indian Ocean High Sea	Actinopterygii
<i>Zebrasoma xanthurum</i>	Indian Ocean High Sea	Actinopterygii
<i>Aetomylaeus milvus</i>	Indian Ocean High Sea	Elasmobranchii
<i>Asymbolus parvus</i>	Indian Ocean High Sea	Elasmobranchii
<i>Bathyraja hesperaficana</i>	Indian Ocean High Sea	Elasmobranchii
<i>Brevitrygon imbricata</i>	Indian Ocean High Sea	Elasmobranchii
<i>Bythaelurus alcockii</i>	Indian Ocean High Sea	Elasmobranchii
<i>Centrophorus westraliensis</i>	Indian Ocean High Sea	Elasmobranchii
<i>Centrophorus zeehaani</i>	Indian Ocean High Sea	Elasmobranchii
<i>Chiloscyllium plagiosum</i>	Indian Ocean High Sea	Elasmobranchii
<i>Glyphis garricki</i>	Indian Ocean High Sea	Elasmobranchii
<i>Himantura leoparda</i>	Indian Ocean High Sea	Elasmobranchii
<i>Maculabatis ambigua</i>	Indian Ocean High Sea	Elasmobranchii
<i>Mobula birostris</i>	Indian Ocean High Sea	Elasmobranchii

Rare Species	System	Class
<i>Narcine brunnea</i>	Indian Ocean High Sea	Elasmobranchii
<i>Okamejei heemstrai</i>	Indian Ocean High Sea	Elasmobranchii
<i>Pristis microdon</i>	Indian Ocean High Sea	Elasmobranchii
<i>Rhizoprionodon taylori</i>	Indian Ocean High Sea	Elasmobranchii
<i>Scymnodon ichiharai</i>	Indian Ocean High Sea	Elasmobranchii
<i>Stegostoma fasciatum</i>	Indian Ocean High Sea	Elasmobranchii
<i>Acantholabrus palloni</i>	North Atlantic High Sea	Actinopterygii
<i>Acipenser oxyrinchus</i>	North Atlantic High Sea	Actinopterygii
<i>Alosa fallax</i>	North Atlantic High Sea	Actinopterygii
<i>Anarhichas denticulatus</i>	North Atlantic High Sea	Actinopterygii
<i>Anarhichas lupus</i>	North Atlantic High Sea	Actinopterygii
<i>Anarhichas minor</i>	North Atlantic High Sea	Actinopterygii
<i>Anguilla rostrata</i>	North Atlantic High Sea	Actinopterygii
<i>Aphanopus intermedius</i>	North Atlantic High Sea	Actinopterygii
<i>Argyripnus atlanticus</i>	North Atlantic High Sea	Actinopterygii
<i>Artediellus atlanticus</i>	North Atlantic High Sea	Actinopterygii
<i>Artediellus uncinatus</i>	North Atlantic High Sea	Actinopterygii
<i>Barathronus bicolor</i>	North Atlantic High Sea	Actinopterygii
<i>Bathytrogon conger vicinus</i>	North Atlantic High Sea	Actinopterygii
<i>Benthodesmus simonyi</i>	North Atlantic High Sea	Actinopterygii
<i>Beryx decadactylus</i>	North Atlantic High Sea	Actinopterygii
<i>Callanthias ruber</i>	North Atlantic High Sea	Actinopterygii
<i>Capros aper</i>	North Atlantic High Sea	Actinopterygii
<i>Careproctus reinhardtii</i>	North Atlantic High Sea	Actinopterygii
<i>Chelidonichthys cuculus</i>	North Atlantic High Sea	Actinopterygii
<i>Citharichthys arcifrons</i>	North Atlantic High Sea	Actinopterygii
<i>Citharichthys dinoceros</i>	North Atlantic High Sea	Actinopterygii
<i>Clupea harengus</i>	North Atlantic High Sea	Actinopterygii
<i>Conger conger</i>	North Atlantic High Sea	Actinopterygii
<i>Conger oceanicus</i>	North Atlantic High Sea	Actinopterygii
<i>Cosmocampus retropinnis</i>	North Atlantic High Sea	Actinopterygii
<i>Cottunculus microps</i>	North Atlantic High Sea	Actinopterygii
<i>Cottunculus spinosus</i>	North Atlantic High Sea	Actinopterygii
<i>Cubiceps capensis</i>	North Atlantic High Sea	Actinopterygii
<i>Cyclopterus lumpus</i>	North Atlantic High Sea	Actinopterygii
<i>Diaphus minax</i>	North Atlantic High Sea	Actinopterygii
<i>Dibranchius atlanticus</i>	North Atlantic High Sea	Actinopterygii
<i>Dibranchius tremendus</i>	North Atlantic High Sea	Actinopterygii
<i>Diplacanthopoma brachysoma</i>	North Atlantic High Sea	Actinopterygii
<i>Diplospinus multistriatus</i>	North Atlantic High Sea	Actinopterygii
<i>Dysommia proboscideus</i>	North Atlantic High Sea	Actinopterygii
<i>Echiodon dawsoni</i>	North Atlantic High Sea	Actinopterygii
<i>Echiodon dentatus</i>	North Atlantic High Sea	Actinopterygii
<i>Echiodon drummondii</i>	North Atlantic High Sea	Actinopterygii
<i>Enchelyopus cimbrius</i>	North Atlantic High Sea	Actinopterygii

Rare Species	System	Class
<i>Engraulis eurystole</i>	North Atlantic High Sea	Actinopterygii
<i>Epigonus telescopus</i>	North Atlantic High Sea	Actinopterygii
<i>Eumicrotremus spinosus</i>	North Atlantic High Sea	Actinopterygii
<i>Fodiator acutus</i>	North Atlantic High Sea	Actinopterygii
<i>Gadiculus argenteus</i>	North Atlantic High Sea	Actinopterygii
<i>Gadiculus thori</i>	North Atlantic High Sea	Actinopterygii
<i>Gadus morhua</i>	North Atlantic High Sea	Actinopterygii
<i>Gasterosteus aculeatus</i>	North Atlantic High Sea	Actinopterygii
<i>Glyptocephalus cynoglossus</i>	North Atlantic High Sea	Actinopterygii
<i>Gordiichthys leibyi</i>	North Atlantic High Sea	Actinopterygii
<i>Gymnelus viridis</i>	North Atlantic High Sea	Actinopterygii
<i>Helicolenus dactylopterus</i>	North Atlantic High Sea	Actinopterygii
<i>Holcomycteronus profundissimus</i>	North Atlantic High Sea	Actinopterygii
<i>Lepidorhombus whiffiagonis</i>	North Atlantic High Sea	Actinopterygii
<i>Leptoclinus maculatus</i>	North Atlantic High Sea	Actinopterygii
<i>Limanda ferruginea</i>	North Atlantic High Sea	Actinopterygii
<i>Liparis coheni</i>	North Atlantic High Sea	Actinopterygii
<i>Liparis inquilinus</i>	North Atlantic High Sea	Actinopterygii
<i>Lophius americanus</i>	North Atlantic High Sea	Actinopterygii
<i>Lophius budegassa</i>	North Atlantic High Sea	Actinopterygii
<i>Lophius piscatorius</i>	North Atlantic High Sea	Actinopterygii
<i>Lumpenus lampretaeformis</i>	North Atlantic High Sea	Actinopterygii
<i>Lycenchelys kolthoffi</i>	North Atlantic High Sea	Actinopterygii
<i>Lycenchelys paxillus</i>	North Atlantic High Sea	Actinopterygii
<i>Lycenchelys sarsii</i>	North Atlantic High Sea	Actinopterygii
<i>Lycenchelys verrillii</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes esmarkii</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes eudipleurostictus</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes frigidus</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes gracilis</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes lavalaei</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes pallidus</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes reticulatus</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodes rossi</i>	North Atlantic High Sea	Actinopterygii
<i>Lycodon mirabilis</i>	North Atlantic High Sea	Actinopterygii
<i>Macrourus berglax</i>	North Atlantic High Sea	Actinopterygii
<i>Melanogrammus aeglefinus</i>	North Atlantic High Sea	Actinopterygii
<i>Merluccius bilinearis</i>	North Atlantic High Sea	Actinopterygii
<i>Merluccius merluccius</i>	North Atlantic High Sea	Actinopterygii
<i>Molva dypterygia</i>	North Atlantic High Sea	Actinopterygii
<i>Molva molva</i>	North Atlantic High Sea	Actinopterygii
<i>Morone saxatilis</i>	North Atlantic High Sea	Actinopterygii
<i>Myoxocephalus scorpius</i>	North Atlantic High Sea	Actinopterygii
<i>Osmerus mordax</i>	North Atlantic High Sea	Actinopterygii
<i>Pachycara bulbiceps</i>	North Atlantic High Sea	Actinopterygii

Rare Species	System	Class
<i>Pachycara caribbaeum</i>	North Atlantic High Sea	Actinopterygii
<i>Pachycara crassiceps</i>	North Atlantic High Sea	Actinopterygii
<i>Pachycara thermophilum</i>	North Atlantic High Sea	Actinopterygii
<i>Pagellus bogaraveo</i>	North Atlantic High Sea	Actinopterygii
<i>Paracaristius nemorosus</i>	North Atlantic High Sea	Actinopterygii
<i>Paraliparis hystrix</i>	North Atlantic High Sea	Actinopterygii
<i>Paraliparis liparinus</i>	North Atlantic High Sea	Actinopterygii
<i>Peristedion longispatha</i>	North Atlantic High Sea	Actinopterygii
<i>Pholis gunnellus</i>	North Atlantic High Sea	Actinopterygii
<i>Phycis blennoides</i>	North Atlantic High Sea	Actinopterygii
<i>Pollachius virens</i>	North Atlantic High Sea	Actinopterygii
<i>Polyipnus clarus</i>	North Atlantic High Sea	Actinopterygii
<i>Polyipnus polli</i>	North Atlantic High Sea	Actinopterygii
<i>Polyprion americanus</i>	North Atlantic High Sea	Actinopterygii
<i>Pterycombus petersii</i>	North Atlantic High Sea	Actinopterygii
<i>Pungitius pungitius</i>	North Atlantic High Sea	Actinopterygii
<i>Reinhardtius hippoglossoides</i>	North Atlantic High Sea	Actinopterygii
<i>Salmo salar</i>	North Atlantic High Sea	Actinopterygii
<i>Scomber scombrus</i>	North Atlantic High Sea	Actinopterygii
<i>Sebastes fasciatus</i>	North Atlantic High Sea	Actinopterygii
<i>Syngnathus fuscus</i>	North Atlantic High Sea	Actinopterygii
<i>Tautoglabrus adspersus</i>	North Atlantic High Sea	Actinopterygii
<i>Trachurus picturatus</i>	North Atlantic High Sea	Actinopterygii
<i>Trachurus trachurus</i>	North Atlantic High Sea	Actinopterygii
<i>Triglops murrayi</i>	North Atlantic High Sea	Actinopterygii
<i>Triglops pingelii</i>	North Atlantic High Sea	Actinopterygii
<i>Urophycis tenuis</i>	North Atlantic High Sea	Actinopterygii
<i>Zenopsis conchifer</i>	North Atlantic High Sea	Actinopterygii
<i>Zoarces americanus</i>	North Atlantic High Sea	Actinopterygii
<i>Dipturus batis</i>	North Atlantic High Sea	Elasmobranchii
<i>Leucoraja naevus</i>	North Atlantic High Sea	Elasmobranchii
<i>Mobula tarapacana</i>	North Atlantic High Sea	Elasmobranchii
<i>Neoraja caerulea</i>	North Atlantic High Sea	Elasmobranchii
<i>Neoraja iberica</i>	North Atlantic High Sea	Elasmobranchii
<i>Rajella kukujevi</i>	North Atlantic High Sea	Elasmobranchii
<i>Acantholiparis opercularis</i>	North East Pacific High Sea	Actinopterygii
<i>Aldrovandia phalacra</i>	North East Pacific High Sea	Actinopterygii
<i>Allocyttus verrucosus</i>	North East Pacific High Sea	Actinopterygii
<i>Anguilla obscura</i>	North East Pacific High Sea	Actinopterygii
<i>Aphanopus arigato</i>	North East Pacific High Sea	Actinopterygii
<i>Barathronus diaphanus</i>	North East Pacific High Sea	Actinopterygii
<i>Barathronus pacificus</i>	North East Pacific High Sea	Actinopterygii
<i>Bassozetus galathea</i>	North East Pacific High Sea	Actinopterygii
<i>Bassozetus glutinosus</i>	North East Pacific High Sea	Actinopterygii
<i>Bathygadus bowersi</i>	North East Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>BathYROconger vicinus</i>	North East Pacific High Sea	Actinopterygii
<i>Benthodesmus pacificus</i>	North East Pacific High Sea	Actinopterygii
<i>Benthosema panamense</i>	North East Pacific High Sea	Actinopterygii
<i>Bertella idiomorpha</i>	North East Pacific High Sea	Actinopterygii
<i>Beryx splendens</i>	North East Pacific High Sea	Actinopterygii
<i>Bothrocara molle</i>	North East Pacific High Sea	Actinopterygii
<i>Brama orcin</i>	North East Pacific High Sea	Actinopterygii
<i>Brama pauciradiata</i>	North East Pacific High Sea	Actinopterygii
<i>Champsodon longipinnis</i>	North East Pacific High Sea	Actinopterygii
<i>Cheilopogon nigricans</i>	North East Pacific High Sea	Actinopterygii
<i>Clidoderma asperrimum</i>	North East Pacific High Sea	Actinopterygii
<i>Coelorinchus kermadecus</i>	North East Pacific High Sea	Actinopterygii
<i>Congiopodus kieneri</i>	North East Pacific High Sea	Actinopterygii
<i>Conocara nigrum</i>	North East Pacific High Sea	Actinopterygii
<i>Coryphaenoides acrolepis</i>	North East Pacific High Sea	Actinopterygii
<i>Coryphaenoides anguliceps</i>	North East Pacific High Sea	Actinopterygii
<i>Coryphaenoides asprellus</i>	North East Pacific High Sea	Actinopterygii
<i>Coryphaenoides longicirrh</i>	North East Pacific High Sea	Actinopterygii
<i>Diaphus impostor</i>	North East Pacific High Sea	Actinopterygii
<i>Diaphus regani</i>	North East Pacific High Sea	Actinopterygii
<i>Diaphus wisneri</i>	North East Pacific High Sea	Actinopterygii
<i>Dibranchus spinosus</i>	North East Pacific High Sea	Actinopterygii
<i>Dibranchus spongiosa</i>	North East Pacific High Sea	Actinopterygii
<i>Diretmoides pauciradiatus</i>	North East Pacific High Sea	Actinopterygii
<i>Encheliophis sagamianus</i>	North East Pacific High Sea	Actinopterygii
<i>Gephyroberyx darwinii</i>	North East Pacific High Sea	Actinopterygii
<i>Grammatonotus crosnieri</i>	North East Pacific High Sea	Actinopterygii
<i>Halieutopsis margaretae</i>	North East Pacific High Sea	Actinopterygii
<i>Holcomycteronus aequatoris</i>	North East Pacific High Sea	Actinopterygii
<i>Holcomycteronus profundissimus</i>	North East Pacific High Sea	Actinopterygii
<i>Hoplunnis sicarius</i>	North East Pacific High Sea	Actinopterygii
<i>Hygophum macrochir</i>	North East Pacific High Sea	Actinopterygii
<i>Hyperoglyphe japonica</i>	North East Pacific High Sea	Actinopterygii
<i>Lepidocybium flavobrunneum</i>	North East Pacific High Sea	Actinopterygii
<i>Leptobrotula breviventralis</i>	North East Pacific High Sea	Actinopterygii
<i>Leptostomias gracilis</i>	North East Pacific High Sea	Actinopterygii
<i>Luciobrotula bartschi</i>	North East Pacific High Sea	Actinopterygii
<i>Lycenchelys jordani</i>	North East Pacific High Sea	Actinopterygii
<i>Lycenchelys micropora</i>	North East Pacific High Sea	Actinopterygii
<i>Lycenchelys porifer</i>	North East Pacific High Sea	Actinopterygii
<i>Lycenchelys ratmanovi</i>	North East Pacific High Sea	Actinopterygii
<i>Lycenchelys ryukyuensis</i>	North East Pacific High Sea	Actinopterygii
<i>Merluccius productus</i>	North East Pacific High Sea	Actinopterygii
<i>Mirorictus taningi</i>	North East Pacific High Sea	Actinopterygii
<i>Nesiarchus nasutus</i>	North East Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Nettastoma parviceps</i>	North East Pacific High Sea	Actinopterygii
<i>Nezumia burragei</i>	North East Pacific High Sea	Actinopterygii
<i>Nezumia obliquata</i>	North East Pacific High Sea	Actinopterygii
<i>Notacanthus abbotti</i>	North East Pacific High Sea	Actinopterygii
<i>Oneirodes melanocauda</i>	North East Pacific High Sea	Actinopterygii
<i>Pachycara gymninium</i>	North East Pacific High Sea	Actinopterygii
<i>Pachycara lepinium</i>	North East Pacific High Sea	Actinopterygii
<i>Paraliparis hawaiiensis</i>	North East Pacific High Sea	Actinopterygii
<i>Paraliparis meridionalis</i>	North East Pacific High Sea	Actinopterygii
<i>Parascombrops analis</i>	North East Pacific High Sea	Actinopterygii
<i>Pentaceros wheeleri</i>	North East Pacific High Sea	Actinopterygii
<i>Physiculus nematopus</i>	North East Pacific High Sea	Actinopterygii
<i>Polyipnus aquavitus</i>	North East Pacific High Sea	Actinopterygii
<i>Porogadus miles</i>	North East Pacific High Sea	Actinopterygii
<i>Psednos anoderkes</i>	North East Pacific High Sea	Actinopterygii
<i>Psednos cathetostomus</i>	North East Pacific High Sea	Actinopterygii
<i>Psednos griseus</i>	North East Pacific High Sea	Actinopterygii
<i>Psednos pallidus</i>	North East Pacific High Sea	Actinopterygii
<i>Psenopsis humerosa</i>	North East Pacific High Sea	Actinopterygii
<i>Psychrolutes phrictus</i>	North East Pacific High Sea	Actinopterygii
<i>Reinhardtius hippoglossoides</i>	North East Pacific High Sea	Actinopterygii
<i>Saccogaster tuberculata</i>	North East Pacific High Sea	Actinopterygii
<i>Scalicus hians</i>	North East Pacific High Sea	Actinopterygii
<i>Sebastolobus altivelis</i>	North East Pacific High Sea	Actinopterygii
<i>Sebastolobus macrochir</i>	North East Pacific High Sea	Actinopterygii
<i>Snyderidia canina</i>	North East Pacific High Sea	Actinopterygii
<i>Synagrops japonicus</i>	North East Pacific High Sea	Actinopterygii
<i>Synaphobranchus brevidorsalis</i>	North East Pacific High Sea	Actinopterygii
<i>Synaphobranchus kaupii</i>	North East Pacific High Sea	Actinopterygii
<i>Talismania bifurcata</i>	North East Pacific High Sea	Actinopterygii
<i>Venefica ocella</i>	North East Pacific High Sea	Actinopterygii
<i>Xenodermichthys nodulosus</i>	North East Pacific High Sea	Actinopterygii
<i>Xiphasia matsubarai</i>	North East Pacific High Sea	Actinopterygii
<i>Zenopsis nebulosa</i>	North East Pacific High Sea	Actinopterygii
<i>Bythaelurus giddingsi</i>	North East Pacific High Sea	Elasmobranchii
<i>Mobula eregoodootenkee</i>	North East Pacific High Sea	Elasmobranchii
<i>Acanthurus dussumieri</i>	North West Pacific High Sea	Actinopterygii
<i>Acanthurus leucopareius</i>	North West Pacific High Sea	Actinopterygii
<i>Acanthurus thompsoni</i>	North West Pacific High Sea	Actinopterygii
<i>Acanthurus triostegus</i>	North West Pacific High Sea	Actinopterygii
<i>Acanthurus xanthopterus</i>	North West Pacific High Sea	Actinopterygii
<i>Albatrossia pectoralis</i>	North West Pacific High Sea	Actinopterygii
<i>Amioides polyacanthus</i>	North West Pacific High Sea	Actinopterygii
<i>Anguilla marmorata</i>	North West Pacific High Sea	Actinopterygii
<i>Antennatus duescus</i>	North West Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Aphareus rutilans</i>	North West Pacific High Sea	Actinopterygii
<i>Aprion virescens</i>	North West Pacific High Sea	Actinopterygii
<i>Argentina kagoshimae</i>	North West Pacific High Sea	Actinopterygii
<i>Auxis thazard</i>	North West Pacific High Sea	Actinopterygii
<i>Bassozetus elongatus</i>	North West Pacific High Sea	Actinopterygii
<i>Bodianus bilunulatus</i>	North West Pacific High Sea	Actinopterygii
<i>Bodianus paraleucosticticus</i>	North West Pacific High Sea	Actinopterygii
<i>Bodianus thoracotaeniatus</i>	North West Pacific High Sea	Actinopterygii
<i>Bolinia euryptera</i>	North West Pacific High Sea	Actinopterygii
<i>Bothrocara brunneum</i>	North West Pacific High Sea	Actinopterygii
<i>Bothrocara hollandi</i>	North West Pacific High Sea	Actinopterygii
<i>Brama dussumieri</i>	North West Pacific High Sea	Actinopterygii
<i>Cabillus macrophthalmus</i>	North West Pacific High Sea	Actinopterygii
<i>Canthigaster coronata</i>	North West Pacific High Sea	Actinopterygii
<i>Carangoides orthogrammus</i>	North West Pacific High Sea	Actinopterygii
<i>Caranx lugubris</i>	North West Pacific High Sea	Actinopterygii
<i>Caranx melampygus</i>	North West Pacific High Sea	Actinopterygii
<i>Carapus mourlani</i>	North West Pacific High Sea	Actinopterygii
<i>Cataetx platyrhynchus</i>	North West Pacific High Sea	Actinopterygii
<i>Centropyge multicolor</i>	North West Pacific High Sea	Actinopterygii
<i>Cephalopholis igarashiensis</i>	North West Pacific High Sea	Actinopterygii
<i>Cephalopholis polleni</i>	North West Pacific High Sea	Actinopterygii
<i>Cephalopholis spiloparaea</i>	North West Pacific High Sea	Actinopterygii
<i>Chaetodon lineolatus</i>	North West Pacific High Sea	Actinopterygii
<i>Chaetodon lunula</i>	North West Pacific High Sea	Actinopterygii
<i>Chilorhinus platyrhynchus</i>	North West Pacific High Sea	Actinopterygii
<i>Chromis leucura</i>	North West Pacific High Sea	Actinopterygii
<i>Coelorinchus commutabilis</i>	North West Pacific High Sea	Actinopterygii
<i>Dysomma anguillare</i>	North West Pacific High Sea	Actinopterygii
<i>Encheliophis boraborensis</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus chlorostigma</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus magniscuttis</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus miliaris</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus morrhua</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus radiatus</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus retouti</i>	North West Pacific High Sea	Actinopterygii
<i>Epinephelus tauvina</i>	North West Pacific High Sea	Actinopterygii
<i>Etelis radiosus</i>	North West Pacific High Sea	Actinopterygii
<i>Evoxymetopon taeniatus</i>	North West Pacific High Sea	Actinopterygii
<i>Forcipiger flavissimus</i>	North West Pacific High Sea	Actinopterygii
<i>Forcipiger longirostris</i>	North West Pacific High Sea	Actinopterygii
<i>Fowlerichthys scriptissimus</i>	North West Pacific High Sea	Actinopterygii
<i>Genicanthus bellus</i>	North West Pacific High Sea	Actinopterygii
<i>Gracila albomarginata</i>	North West Pacific High Sea	Actinopterygii
<i>Gymnosarda unicolor</i>	North West Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Gymnothorax berndti</i>	North West Pacific High Sea	Actinopterygii
<i>Gymnothorax flavimarginatus</i>	North West Pacific High Sea	Actinopterygii
<i>Gymnothorax nudivomer</i>	North West Pacific High Sea	Actinopterygii
<i>Hastatobythites arafurensis</i>	North West Pacific High Sea	Actinopterygii
<i>Helicolenus fedorovi</i>	North West Pacific High Sea	Actinopterygii
<i>Hemitaurichthys thompsoni</i>	North West Pacific High Sea	Actinopterygii
<i>Hoplobrotula armata</i>	North West Pacific High Sea	Actinopterygii
<i>Hoplolatilus marcosi</i>	North West Pacific High Sea	Actinopterygii
<i>Hyporthodus octofasciatus</i>	North West Pacific High Sea	Actinopterygii
<i>Iniistius baldwini</i>	North West Pacific High Sea	Actinopterygii
<i>Lagocephalus lagocephalus</i>	North West Pacific High Sea	Actinopterygii
<i>Lethrinus olivaceus</i>	North West Pacific High Sea	Actinopterygii
<i>Lethrinus xanthochilus</i>	North West Pacific High Sea	Actinopterygii
<i>Limnichthys fasciatus</i>	North West Pacific High Sea	Actinopterygii
<i>Lutjanus bohar</i>	North West Pacific High Sea	Actinopterygii
<i>Lutjanus gibbus</i>	North West Pacific High Sea	Actinopterygii
<i>Lutjanus kasmira</i>	North West Pacific High Sea	Actinopterygii
<i>Lycenchelys camchatica</i>	North West Pacific High Sea	Actinopterygii
<i>Lycodapus poecilus</i>	North West Pacific High Sea	Actinopterygii
<i>Melanostigma orientale</i>	North West Pacific High Sea	Actinopterygii
<i>Minyichthys brachyrhinus</i>	North West Pacific High Sea	Actinopterygii
<i>Myrichthys maculosus</i>	North West Pacific High Sea	Actinopterygii
<i>Myripristis vittata</i>	North West Pacific High Sea	Actinopterygii
<i>Nalbantichthys elongatus</i>	North West Pacific High Sea	Actinopterygii
<i>Naso hexacanthus</i>	North West Pacific High Sea	Actinopterygii
<i>Naso unicornis</i>	North West Pacific High Sea	Actinopterygii
<i>Neoniphon aurolineatus</i>	North West Pacific High Sea	Actinopterygii
<i>Ostichthys acanthorhinus</i>	North West Pacific High Sea	Actinopterygii
<i>Ostorhinchus gularis</i>	North West Pacific High Sea	Actinopterygii
<i>Oxycheilinus unifasciatus</i>	North West Pacific High Sea	Actinopterygii
<i>Paracaesio sordida</i>	North West Pacific High Sea	Actinopterygii
<i>Paracaesio xanthura</i>	North West Pacific High Sea	Actinopterygii
<i>Paracentropyge multifasciata</i>	North West Pacific High Sea	Actinopterygii
<i>Parupeneus multifasciatus</i>	North West Pacific High Sea	Actinopterygii
<i>Plectranthias winniensis</i>	North West Pacific High Sea	Actinopterygii
<i>Plectropomus pessuliferus</i>	North West Pacific High Sea	Actinopterygii
<i>Pogonoperca punctata</i>	North West Pacific High Sea	Actinopterygii
<i>Polyipnus paxtoni</i>	North West Pacific High Sea	Actinopterygii
<i>Polyipnus ruggeri</i>	North West Pacific High Sea	Actinopterygii
<i>Polylepion russelli</i>	North West Pacific High Sea	Actinopterygii
<i>Pristiapogon kallopterus</i>	North West Pacific High Sea	Actinopterygii
<i>Pristipomoides argyrogrammicus</i>	North West Pacific High Sea	Actinopterygii
<i>Pristipomoides flavipinnis</i>	North West Pacific High Sea	Actinopterygii
<i>Pristipomoides sieboldii</i>	North West Pacific High Sea	Actinopterygii
<i>Psammodiscus ocellatus</i>	North West Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Pseudanthias ventralis</i>	North West Pacific High Sea	Actinopterygii
<i>Pteroidichthys acutus</i>	North West Pacific High Sea	Actinopterygii
<i>Pterygotrigla ryukyuensis</i>	North West Pacific High Sea	Actinopterygii
<i>Pycnocraspedum squamipinne</i>	North West Pacific High Sea	Actinopterygii
<i>Pyramodon lindas</i>	North West Pacific High Sea	Actinopterygii
<i>Randallichthys filamentosus</i>	North West Pacific High Sea	Actinopterygii
<i>Reinhardtius hippoglossoides</i>	North West Pacific High Sea	Actinopterygii
<i>Roa excelsa</i>	North West Pacific High Sea	Actinopterygii
<i>Schindleria praematura</i>	North West Pacific High Sea	Actinopterygii
<i>Scuticaria okinawae</i>	North West Pacific High Sea	Actinopterygii
<i>Sebastes iracundus</i>	North West Pacific High Sea	Actinopterygii
<i>Seriola dumerili</i>	North West Pacific High Sea	Actinopterygii
<i>Seriola lalandi</i>	North West Pacific High Sea	Actinopterygii
<i>Serranocirrhitus latus</i>	North West Pacific High Sea	Actinopterygii
<i>Sphoeroides pachygaster</i>	North West Pacific High Sea	Actinopterygii
<i>Sufflamen fraenatum</i>	North West Pacific High Sea	Actinopterygii
<i>Synodus kaianus</i>	North West Pacific High Sea	Actinopterygii
<i>Tauredophidium hextii</i>	North West Pacific High Sea	Actinopterygii
<i>Thamnaconus modestoides</i>	North West Pacific High Sea	Actinopterygii
<i>Thamnaconus striatus</i>	North West Pacific High Sea	Actinopterygii
<i>Thyrsitoides marleyi</i>	North West Pacific High Sea	Actinopterygii
<i>Triodon macropterus</i>	North West Pacific High Sea	Actinopterygii
<i>Variola albimarginata</i>	North West Pacific High Sea	Actinopterygii
<i>Variola louti</i>	North West Pacific High Sea	Actinopterygii
<i>Xanthichthys auromarginatus</i>	North West Pacific High Sea	Actinopterygii
<i>Xanthichthys caeruleolineatus</i>	North West Pacific High Sea	Actinopterygii
<i>Xanthichthys mento</i>	North West Pacific High Sea	Actinopterygii
<i>Zanclus cornutus</i>	North West Pacific High Sea	Actinopterygii
<i>Apristurus platyrhynchus</i>	North West Pacific High Sea	Elasmobranchii
<i>Carcharhinus amblyrhynchos</i>	North West Pacific High Sea	Elasmobranchii
<i>Carcharhinus galapagensis</i>	North West Pacific High Sea	Elasmobranchii
<i>Carcharhinus plumbeus</i>	North West Pacific High Sea	Elasmobranchii
<i>Galeocerdo cuvier</i>	North West Pacific High Sea	Elasmobranchii
<i>Galeus eastmani</i>	North West Pacific High Sea	Elasmobranchii
<i>Mobula eregoodootenkee</i>	North West Pacific High Sea	Elasmobranchii
<i>Rhinoraja longicauda</i>	North West Pacific High Sea	Elasmobranchii
<i>Aluterus heudelotii</i>	South Atlantic High Sea	Actinopterygii
<i>Amblyrhynchotes honckenii</i>	South Atlantic High Sea	Actinopterygii
<i>Ancylopsetta antillarum</i>	South Atlantic High Sea	Actinopterygii
<i>Aphanopus carbo</i>	South Atlantic High Sea	Actinopterygii
<i>Apterichtus monodi</i>	South Atlantic High Sea	Actinopterygii
<i>Argyrosomus regius</i>	South Atlantic High Sea	Actinopterygii
<i>Ariosoma balearicum</i>	South Atlantic High Sea	Actinopterygii
<i>Ariosoma selenops</i>	South Atlantic High Sea	Actinopterygii
<i>Arnoglossus capensis</i>	South Atlantic High Sea	Actinopterygii

Rare Species	System	Class
<i>Arnoglossus imperialis</i>	South Atlantic High Sea	Actinopterygii
<i>Arothron firmamentum</i>	South Atlantic High Sea	Actinopterygii
<i>Assurger anzac</i>	South Atlantic High Sea	Actinopterygii
<i>Atractoscion aequidens</i>	South Atlantic High Sea	Actinopterygii
<i>Auxis thazard</i>	South Atlantic High Sea	Actinopterygii
<i>Balistes capriscus</i>	South Atlantic High Sea	Actinopterygii
<i>Barathrodemus manatinus</i>	South Atlantic High Sea	Actinopterygii
<i>Barathronus bicolor</i>	South Atlantic High Sea	Actinopterygii
<i>Bassozetes levistomatus</i>	South Atlantic High Sea	Actinopterygii
<i>Bathyroconger vicinus</i>	South Atlantic High Sea	Actinopterygii
<i>Boops boops</i>	South Atlantic High Sea	Actinopterygii
<i>Bothus podas</i>	South Atlantic High Sea	Actinopterygii
<i>Bregmaceros nectabanus</i>	South Atlantic High Sea	Actinopterygii
<i>Brotula barbata</i>	South Atlantic High Sea	Actinopterygii
<i>Butis melanostigma</i>	South Atlantic High Sea	Actinopterygii
<i>Caranx hippos</i>	South Atlantic High Sea	Actinopterygii
<i>Careproctus improvisus</i>	South Atlantic High Sea	Actinopterygii
<i>Cataetyx messieri</i>	South Atlantic High Sea	Actinopterygii
<i>Chelidonichthys lastoviza</i>	South Atlantic High Sea	Actinopterygii
<i>Chionodraco hamatus</i>	South Atlantic High Sea	Actinopterygii
<i>Coloconger eximia</i>	South Atlantic High Sea	Actinopterygii
<i>Corniger spinosus</i>	South Atlantic High Sea	Actinopterygii
<i>Cottunculus granulatus</i>	South Atlantic High Sea	Actinopterygii
<i>Dactylopterus volitans</i>	South Atlantic High Sea	Actinopterygii
<i>Decapterus macarellus</i>	South Atlantic High Sea	Actinopterygii
<i>Decapterus punctatus</i>	South Atlantic High Sea	Actinopterygii
<i>Decapterus tabl</i>	South Atlantic High Sea	Actinopterygii
<i>Dentex gibbosus</i>	South Atlantic High Sea	Actinopterygii
<i>Dentex macrophthalmus</i>	South Atlantic High Sea	Actinopterygii
<i>Dibranchius tremendus</i>	South Atlantic High Sea	Actinopterygii
<i>Dicrolene kanazawai</i>	South Atlantic High Sea	Actinopterygii
<i>Diplacanthopoma brachysoma</i>	South Atlantic High Sea	Actinopterygii
<i>Diplodus cervinus</i>	South Atlantic High Sea	Actinopterygii
<i>Diplodus sargus</i>	South Atlantic High Sea	Actinopterygii
<i>Echiodon cryomargarites</i>	South Atlantic High Sea	Actinopterygii
<i>Engraulis encrasicolus</i>	South Atlantic High Sea	Actinopterygii
<i>Epinephelus caninus</i>	South Atlantic High Sea	Actinopterygii
<i>Epinephelus costae</i>	South Atlantic High Sea	Actinopterygii
<i>Epinephelus marginatus</i>	South Atlantic High Sea	Actinopterygii
<i>Erythrocles monodi</i>	South Atlantic High Sea	Actinopterygii
<i>Exechodontes daidaleus</i>	South Atlantic High Sea	Actinopterygii
<i>Fodiator acutus</i>	South Atlantic High Sea	Actinopterygii
<i>Genypterus blacodes</i>	South Atlantic High Sea	Actinopterygii
<i>Gephyroberyx darwinii</i>	South Atlantic High Sea	Actinopterygii
<i>Gymnothorax maderensis</i>	South Atlantic High Sea	Actinopterygii

Rare Species	System	Class
<i>Gymnothorax polygonius</i>	South Atlantic High Sea	Actinopterygii
<i>Histiopaterus typus</i>	South Atlantic High Sea	Actinopterygii
<i>Hollardia hollardi</i>	South Atlantic High Sea	Actinopterygii
<i>Hyporthodus haifensis</i>	South Atlantic High Sea	Actinopterygii
<i>Kajikia audax</i>	South Atlantic High Sea	Actinopterygii
<i>Lagocephalus inermis</i>	South Atlantic High Sea	Actinopterygii
<i>Lagocephalus lagocephalus</i>	South Atlantic High Sea	Actinopterygii
<i>Lamprogrammus exutus</i>	South Atlantic High Sea	Actinopterygii
<i>Lamprogrammus shcherbachevi</i>	South Atlantic High Sea	Actinopterygii
<i>Lepidonotothen squamifrons</i>	South Atlantic High Sea	Actinopterygii
<i>Lepidopus caudatus</i>	South Atlantic High Sea	Actinopterygii
<i>Lepidotrigla cadmani</i>	South Atlantic High Sea	Actinopterygii
<i>Letholycus microphthalmus</i>	South Atlantic High Sea	Actinopterygii
<i>Lophiomus setigerus</i>	South Atlantic High Sea	Actinopterygii
<i>Luciobrotula corethromycter</i>	South Atlantic High Sea	Actinopterygii
<i>Lycenchelys paxillus</i>	South Atlantic High Sea	Actinopterygii
<i>Macrorhamphosodes uradoi</i>	South Atlantic High Sea	Actinopterygii
<i>Microchirus boscanion</i>	South Atlantic High Sea	Actinopterygii
<i>Micromesistius australis</i>	South Atlantic High Sea	Actinopterygii
<i>Mixomyrophis pusillipinna</i>	South Atlantic High Sea	Actinopterygii
<i>Monocentris japonica</i>	South Atlantic High Sea	Actinopterygii
<i>Monomitopus agassizii</i>	South Atlantic High Sea	Actinopterygii
<i>Monomitopus americanus</i>	South Atlantic High Sea	Actinopterygii
<i>Naucrates ductor</i>	South Atlantic High Sea	Actinopterygii
<i>Nemoossis belloci</i>	South Atlantic High Sea	Actinopterygii
<i>Neobythites braziliensis</i>	South Atlantic High Sea	Actinopterygii
<i>Neobythites elongatus</i>	South Atlantic High Sea	Actinopterygii
<i>Notolycodes schmidtii</i>	South Atlantic High Sea	Actinopterygii
<i>Notothenia rossii</i>	South Atlantic High Sea	Actinopterygii
<i>Oidiphorus brevis</i>	South Atlantic High Sea	Actinopterygii
<i>Ophidion puck</i>	South Atlantic High Sea	Actinopterygii
<i>Ophisurus serpens</i>	South Atlantic High Sea	Actinopterygii
<i>Ophthalmolycus amberensis</i>	South Atlantic High Sea	Actinopterygii
<i>Pachycara brachycephalum</i>	South Atlantic High Sea	Actinopterygii
<i>Pachycara caribbaeum</i>	South Atlantic High Sea	Actinopterygii
<i>Pachycara crassiceps</i>	South Atlantic High Sea	Actinopterygii
<i>Pagrus pagrus</i>	South Atlantic High Sea	Actinopterygii
<i>Parabathymyrus oregoni</i>	South Atlantic High Sea	Actinopterygii
<i>Pentaceros capensis</i>	South Atlantic High Sea	Actinopterygii
<i>Peristedion cataphractum</i>	South Atlantic High Sea	Actinopterygii
<i>Peristedion longispatha</i>	South Atlantic High Sea	Actinopterygii
<i>Plesienchelys stehmanni</i>	South Atlantic High Sea	Actinopterygii
<i>Pogonolycus elegans</i>	South Atlantic High Sea	Actinopterygii
<i>Pogonophryne marmorata</i>	South Atlantic High Sea	Actinopterygii
<i>Polyipnus clarus</i>	South Atlantic High Sea	Actinopterygii

Rare Species	System	Class
<i>Polyipnus laternatus</i>	South Atlantic High Sea	Actinopterygii
<i>Polyipnus polli</i>	South Atlantic High Sea	Actinopterygii
<i>Prognichthys sealei</i>	South Atlantic High Sea	Actinopterygii
<i>Rachycentron canadum</i>	South Atlantic High Sea	Actinopterygii
<i>Salilota australis</i>	South Atlantic High Sea	Actinopterygii
<i>Sarda sarda</i>	South Atlantic High Sea	Actinopterygii
<i>Sardinella aurita</i>	South Atlantic High Sea	Actinopterygii
<i>Sardinops sagax</i>	South Atlantic High Sea	Actinopterygii
<i>Saurida brasiliensis</i>	South Atlantic High Sea	Actinopterygii
<i>Schedophilus griseolineatus</i>	South Atlantic High Sea	Actinopterygii
<i>Scomber colias</i>	South Atlantic High Sea	Actinopterygii
<i>Scorpaena scrofa</i>	South Atlantic High Sea	Actinopterygii
<i>Seleniolycus laevifasciatus</i>	South Atlantic High Sea	Actinopterygii
<i>Seriola lalandi</i>	South Atlantic High Sea	Actinopterygii
<i>Sonoda megalophthalma</i>	South Atlantic High Sea	Actinopterygii
<i>Stephanolepis hispidus</i>	South Atlantic High Sea	Actinopterygii
<i>Symphodus bailloni</i>	South Atlantic High Sea	Actinopterygii
<i>Taractes rubescens</i>	South Atlantic High Sea	Actinopterygii
<i>Thyrsites atun</i>	South Atlantic High Sea	Actinopterygii
<i>Trachinocephalus myops</i>	South Atlantic High Sea	Actinopterygii
<i>Trachinotus ovatus</i>	South Atlantic High Sea	Actinopterygii
<i>Trachinus radiatus</i>	South Atlantic High Sea	Actinopterygii
<i>Trachurus picturatus</i>	South Atlantic High Sea	Actinopterygii
<i>Trematomus eulepidotus</i>	South Atlantic High Sea	Actinopterygii
<i>Trematomus hansonii</i>	South Atlantic High Sea	Actinopterygii
<i>Trematomus loennbergii</i>	South Atlantic High Sea	Actinopterygii
<i>Trematomus scotti</i>	South Atlantic High Sea	Actinopterygii
<i>Trematomus tokarevi</i>	South Atlantic High Sea	Actinopterygii
<i>Trigla lyra</i>	South Atlantic High Sea	Actinopterygii
<i>Tylerius spinosissimus</i>	South Atlantic High Sea	Actinopterygii
<i>Umbrina canariensis</i>	South Atlantic High Sea	Actinopterygii
<i>Umbrina ronchus</i>	South Atlantic High Sea	Actinopterygii
<i>Xenomystax bidentatus</i>	South Atlantic High Sea	Actinopterygii
<i>Zenopsis conchifer</i>	South Atlantic High Sea	Actinopterygii
<i>Bathyraja macloviana</i>	South Atlantic High Sea	Elasmobranchii
<i>Bathyraja magellanica</i>	South Atlantic High Sea	Elasmobranchii
<i>Bathyraja multispinis</i>	South Atlantic High Sea	Elasmobranchii
<i>Bathyraja schroederi</i>	South Atlantic High Sea	Elasmobranchii
<i>Breviraja colesi</i>	South Atlantic High Sea	Elasmobranchii
<i>Carcharhinus galapagensis</i>	South Atlantic High Sea	Elasmobranchii
<i>Cruriraja rugosa</i>	South Atlantic High Sea	Elasmobranchii
<i>Dactylobatus clarkii</i>	South Atlantic High Sea	Elasmobranchii
<i>Fenestraja cubensis</i>	South Atlantic High Sea	Elasmobranchii
<i>Fenestraja ishiyamai</i>	South Atlantic High Sea	Elasmobranchii
<i>Galeocerdo cuvier</i>	South Atlantic High Sea	Elasmobranchii

Rare Species	System	Class
<i>Raja bahamensis</i>	South Atlantic High Sea	Elasmobranchii
<i>Rajella fuliginea</i>	South Atlantic High Sea	Elasmobranchii
<i>Acanthochaenus luetkenii</i>	South East Pacific High Sea	Actinopterygii
<i>Anampses elegans</i>	South East Pacific High Sea	Actinopterygii
<i>Anguilla megastoma</i>	South East Pacific High Sea	Actinopterygii
<i>Anguilla obscura</i>	South East Pacific High Sea	Actinopterygii
<i>Argyripnus electronus</i>	South East Pacific High Sea	Actinopterygii
<i>Argyripnus ephippiatus</i>	South East Pacific High Sea	Actinopterygii
<i>Aseraggodes bahamondei</i>	South East Pacific High Sea	Actinopterygii
<i>Assurger anzac</i>	South East Pacific High Sea	Actinopterygii
<i>Astroscopus zephyreus</i>	South East Pacific High Sea	Actinopterygii
<i>Auxis rochei</i>	South East Pacific High Sea	Actinopterygii
<i>Barathronus diaphanus</i>	South East Pacific High Sea	Actinopterygii
<i>Bathydroconger vicinus</i>	South East Pacific High Sea	Actinopterygii
<i>Bodianus unimaculatus</i>	South East Pacific High Sea	Actinopterygii
<i>Bollmannia stigmatura</i>	South East Pacific High Sea	Actinopterygii
<i>Bothrocara molle</i>	South East Pacific High Sea	Actinopterygii
<i>Canthigaster inframacula</i>	South East Pacific High Sea	Actinopterygii
<i>Caprodon longimanus</i>	South East Pacific High Sea	Actinopterygii
<i>Caprodon schlegelii</i>	South East Pacific High Sea	Actinopterygii
<i>Centrodraco atrifilum</i>	South East Pacific High Sea	Actinopterygii
<i>Centropyge interrupta</i>	South East Pacific High Sea	Actinopterygii
<i>Chaenopsis alepidota</i>	South East Pacific High Sea	Actinopterygii
<i>Chaetodon guentheri</i>	South East Pacific High Sea	Actinopterygii
<i>Chaunax latipunctatus</i>	South East Pacific High Sea	Actinopterygii
<i>Chaunax penicillatus</i>	South East Pacific High Sea	Actinopterygii
<i>Cheilodactylus gibbosus</i>	South East Pacific High Sea	Actinopterygii
<i>Cheilodactylus vittatus</i>	South East Pacific High Sea	Actinopterygii
<i>Congiopodus coriaceus</i>	South East Pacific High Sea	Actinopterygii
<i>Congiopodus kieneri</i>	South East Pacific High Sea	Actinopterygii
<i>Cosmocampus arctus</i>	South East Pacific High Sea	Actinopterygii
<i>Cottunculus nudus</i>	South East Pacific High Sea	Actinopterygii
<i>Decapterus tabl</i>	South East Pacific High Sea	Actinopterygii
<i>Diaphus kora</i>	South East Pacific High Sea	Actinopterygii
<i>Dibranchius hystrix</i>	South East Pacific High Sea	Actinopterygii
<i>Dicrolene longimana</i>	South East Pacific High Sea	Actinopterygii
<i>Dicrolene nigra</i>	South East Pacific High Sea	Actinopterygii
<i>Diplacanthopoma jordani</i>	South East Pacific High Sea	Actinopterygii
<i>Engyprosopon arenicola</i>	South East Pacific High Sea	Actinopterygii
<i>Enneapterygius rufopileus</i>	South East Pacific High Sea	Actinopterygii
<i>Festucalex erythraeus</i>	South East Pacific High Sea	Actinopterygii
<i>Gadomus aoteanus</i>	South East Pacific High Sea	Actinopterygii
<i>Glyptophidium lucidum</i>	South East Pacific High Sea	Actinopterygii
<i>Gymnothorax australicola</i>	South East Pacific High Sea	Actinopterygii
<i>Gymnothorax berndti</i>	South East Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Gymnothorax kidako</i>	South East Pacific High Sea	Actinopterygii
<i>Gymnothorax porphyreus</i>	South East Pacific High Sea	Actinopterygii
<i>Gymnothorax ypsilon</i>	South East Pacific High Sea	Actinopterygii
<i>Halicampus boothae</i>	South East Pacific High Sea	Actinopterygii
<i>Helicolenus avius</i>	South East Pacific High Sea	Actinopterygii
<i>Heteroclinus roseus</i>	South East Pacific High Sea	Actinopterygii
<i>Hime japonica</i>	South East Pacific High Sea	Actinopterygii
<i>Histiophryne cryptacanthus</i>	South East Pacific High Sea	Actinopterygii
<i>Holcomycteronus digittatus</i>	South East Pacific High Sea	Actinopterygii
<i>Homostolus acer</i>	South East Pacific High Sea	Actinopterygii
<i>Hypopleuron caninum</i>	South East Pacific High Sea	Actinopterygii
<i>Hyporhamphus rosae</i>	South East Pacific High Sea	Actinopterygii
<i>Hypsoblennius gentilis</i>	South East Pacific High Sea	Actinopterygii
<i>Hypsoblennius jenkinsi</i>	South East Pacific High Sea	Actinopterygii
<i>Ilypnus gilberti</i>	South East Pacific High Sea	Actinopterygii
<i>Itycirrhitis wilhelmi</i>	South East Pacific High Sea	Actinopterygii
<i>Kentrocapros aculeatus</i>	South East Pacific High Sea	Actinopterygii
<i>Kentrocapros flavofasciatus</i>	South East Pacific High Sea	Actinopterygii
<i>Labrisomus xanti</i>	South East Pacific High Sea	Actinopterygii
<i>Lagocephalus lagocephalus</i>	South East Pacific High Sea	Actinopterygii
<i>Lamprogrammus shcherbachevi</i>	South East Pacific High Sea	Actinopterygii
<i>Leptonotus blainvillae</i>	South East Pacific High Sea	Actinopterygii
<i>Limnichthys fasciatus</i>	South East Pacific High Sea	Actinopterygii
<i>Lumpenopsis hypochroma</i>	South East Pacific High Sea	Actinopterygii
<i>Lycenchelys pearcyi</i>	South East Pacific High Sea	Actinopterygii
<i>Lycenchelys porifer</i>	South East Pacific High Sea	Actinopterygii
<i>Lythrypnus dalli</i>	South East Pacific High Sea	Actinopterygii
<i>Lythrypnus zebra</i>	South East Pacific High Sea	Actinopterygii
<i>Macrorhamphosodes uradoi</i>	South East Pacific High Sea	Actinopterygii
<i>Malthopsis parva</i>	South East Pacific High Sea	Actinopterygii
<i>Matanui bathytaton</i>	South East Pacific High Sea	Actinopterygii
<i>Metavelifer multiradiatus</i>	South East Pacific High Sea	Actinopterygii
<i>Microcanthus strigatus</i>	South East Pacific High Sea	Actinopterygii
<i>Micromesistius australis</i>	South East Pacific High Sea	Actinopterygii
<i>Mugil cephalus</i>	South East Pacific High Sea	Actinopterygii
<i>Naucrates ductor</i>	South East Pacific High Sea	Actinopterygii
<i>Neobythites fasciatus</i>	South East Pacific High Sea	Actinopterygii
<i>Neobythites pallidus</i>	South East Pacific High Sea	Actinopterygii
<i>Nototheniops nybelini</i>	South East Pacific High Sea	Actinopterygii
<i>Novaculops koteamea</i>	South East Pacific High Sea	Actinopterygii
<i>Ophichthus triserialis</i>	South East Pacific High Sea	Actinopterygii
<i>Oplegnathus punctatus</i>	South East Pacific High Sea	Actinopterygii
<i>Pachycara brachycephalum</i>	South East Pacific High Sea	Actinopterygii
<i>Pachycara suspectum</i>	South East Pacific High Sea	Actinopterygii
<i>Paralichthys patagonicus</i>	South East Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Paraliparis cephalus</i>	South East Pacific High Sea	Actinopterygii
<i>Paraliparis meridionalis</i>	South East Pacific High Sea	Actinopterygii
<i>Parupeneus spilurus</i>	South East Pacific High Sea	Actinopterygii
<i>Patagonotothen cornucola</i>	South East Pacific High Sea	Actinopterygii
<i>Patagonotothen sima</i>	South East Pacific High Sea	Actinopterygii
<i>Pentaceros capensis</i>	South East Pacific High Sea	Actinopterygii
<i>Pentaceros quinquespinis</i>	South East Pacific High Sea	Actinopterygii
<i>Pherallodus indicus</i>	South East Pacific High Sea	Actinopterygii
<i>Plectranthias yamakawai</i>	South East Pacific High Sea	Actinopterygii
<i>Polyipnus matsubara</i>	South East Pacific High Sea	Actinopterygii
<i>Polyipnus triphanos</i>	South East Pacific High Sea	Actinopterygii
<i>Polylepion russelli</i>	South East Pacific High Sea	Actinopterygii
<i>Priacanthus nasca</i>	South East Pacific High Sea	Actinopterygii
<i>Prionotus stephanophrys</i>	South East Pacific High Sea	Actinopterygii
<i>Pristilepis oligolepis</i>	South East Pacific High Sea	Actinopterygii
<i>Prognathodes falcifer</i>	South East Pacific High Sea	Actinopterygii
<i>Promethichthys prometheus</i>	South East Pacific High Sea	Actinopterygii
<i>Psednos cathetostomus</i>	South East Pacific High Sea	Actinopterygii
<i>Pseudocaranx dentex</i>	South East Pacific High Sea	Actinopterygii
<i>Pseudonus squamiceps</i>	South East Pacific High Sea	Actinopterygii
<i>Pteraclis aesticola</i>	South East Pacific High Sea	Actinopterygii
<i>Pterygotrigla picta</i>	South East Pacific High Sea	Actinopterygii
<i>Sardinops sagax</i>	South East Pacific High Sea	Actinopterygii
<i>Sargocentron spinosissimum</i>	South East Pacific High Sea	Actinopterygii
<i>Saurenhelys stylura</i>	South East Pacific High Sea	Actinopterygii
<i>Scalicus engyceros</i>	South East Pacific High Sea	Actinopterygii
<i>Scomber japonicus</i>	South East Pacific High Sea	Actinopterygii
<i>Scorpaenodes evides</i>	South East Pacific High Sea	Actinopterygii
<i>Scuticaria okinawae</i>	South East Pacific High Sea	Actinopterygii
<i>Seriola dumerili</i>	South East Pacific High Sea	Actinopterygii
<i>Sphoeroides lispus</i>	South East Pacific High Sea	Actinopterygii
<i>Sphoeroides pachygaster</i>	South East Pacific High Sea	Actinopterygii
<i>Syngnathus auliscus</i>	South East Pacific High Sea	Actinopterygii
<i>Synodus doaki</i>	South East Pacific High Sea	Actinopterygii
<i>Taractes rubescens</i>	South East Pacific High Sea	Actinopterygii
<i>Tauredophidium hextii</i>	South East Pacific High Sea	Actinopterygii
<i>Trachinotus paitensis</i>	South East Pacific High Sea	Actinopterygii
<i>Trachurus murphyi</i>	South East Pacific High Sea	Actinopterygii
<i>Trichiurus lepturus</i>	South East Pacific High Sea	Actinopterygii
<i>Tylosurus pacificus</i>	South East Pacific High Sea	Actinopterygii
<i>Xiphasia matsubara</i>	South East Pacific High Sea	Actinopterygii
<i>Bathyraja abyssicola</i>	South East Pacific High Sea	Elasmobranchii
<i>Bathyraja shuntovi</i>	South East Pacific High Sea	Elasmobranchii
<i>Carcharhinus brachyurus</i>	South East Pacific High Sea	Elasmobranchii
<i>Galeocerdo cuvier</i>	South East Pacific High Sea	Elasmobranchii

Rare Species	System	Class
<i>Sinobatis borneensis</i>	South East Pacific High Sea	Elasmobranchii
<i>Tetronarce microdiscus</i>	South East Pacific High Sea	Elasmobranchii
<i>Anguilla australis</i>	South West Pacific High Sea	Actinopterygii
<i>Anguilla reinhardtii</i>	South West Pacific High Sea	Actinopterygii
<i>Antipodocottus galathea</i>	South West Pacific High Sea	Actinopterygii
<i>Aphanopus capricornis</i>	South West Pacific High Sea	Actinopterygii
<i>Auxis thazard</i>	South West Pacific High Sea	Actinopterygii
<i>Azygopus pinnifasciatus</i>	South West Pacific High Sea	Actinopterygii
<i>Barathronus maculatus</i>	South West Pacific High Sea	Actinopterygii
<i>Bathysaurus mollis</i>	South West Pacific High Sea	Actinopterygii
<i>Bathydroconger vicinus</i>	South West Pacific High Sea	Actinopterygii
<i>Benthodesmus elongatus</i>	South West Pacific High Sea	Actinopterygii
<i>Benthodesmus tenuis</i>	South West Pacific High Sea	Actinopterygii
<i>Benthodesmus tuckeri</i>	South West Pacific High Sea	Actinopterygii
<i>Beryx decadactylus</i>	South West Pacific High Sea	Actinopterygii
<i>Bodianus cylindriatus</i>	South West Pacific High Sea	Actinopterygii
<i>Brotulotaenia nielsenii</i>	South West Pacific High Sea	Actinopterygii
<i>Careproctus novaezelandiae</i>	South West Pacific High Sea	Actinopterygii
<i>Caristius meridionalis</i>	South West Pacific High Sea	Actinopterygii
<i>Centrodraco atrifilum</i>	South West Pacific High Sea	Actinopterygii
<i>Chaunacops coloratus</i>	South West Pacific High Sea	Actinopterygii
<i>Chaunax penicillatus</i>	South West Pacific High Sea	Actinopterygii
<i>Cheilopogon atrisignis</i>	South West Pacific High Sea	Actinopterygii
<i>Cheilopogon nigricans</i>	South West Pacific High Sea	Actinopterygii
<i>Cheilopogon spilonotopterus</i>	South West Pacific High Sea	Actinopterygii
<i>Chiasmodon subniger</i>	South West Pacific High Sea	Actinopterygii
<i>Coelophrys oblonga</i>	South West Pacific High Sea	Actinopterygii
<i>Conocara nigrum</i>	South West Pacific High Sea	Actinopterygii
<i>Cubiceps capensis</i>	South West Pacific High Sea	Actinopterygii
<i>Cypselurus naresii</i>	South West Pacific High Sea	Actinopterygii
<i>Cyttomimus stelgis</i>	South West Pacific High Sea	Actinopterygii
<i>Cyttus traversi</i>	South West Pacific High Sea	Actinopterygii
<i>Diaphus chrysorhynchus</i>	South West Pacific High Sea	Actinopterygii
<i>Diaphus impostor</i>	South West Pacific High Sea	Actinopterygii
<i>Diaphus regani</i>	South West Pacific High Sea	Actinopterygii
<i>Dicrolene tristis</i>	South West Pacific High Sea	Actinopterygii
<i>Diplospinus multistriatus</i>	South West Pacific High Sea	Actinopterygii
<i>Dissostichus eleginoides</i>	South West Pacific High Sea	Actinopterygii
<i>Dysommia rugosa</i>	South West Pacific High Sea	Actinopterygii
<i>Eustomias vulgaris</i>	South West Pacific High Sea	Actinopterygii
<i>Gadomus aoteanus</i>	South West Pacific High Sea	Actinopterygii
<i>Genypterus blacodes</i>	South West Pacific High Sea	Actinopterygii
<i>Gephyroberyx darwinii</i>	South West Pacific High Sea	Actinopterygii
<i>Glyptophidium lucidum</i>	South West Pacific High Sea	Actinopterygii
<i>Halicmetus reticulatus</i>	South West Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Halicmetus ruber</i>	South West Pacific High Sea	Actinopterygii
<i>Halieutopsis margaretae</i>	South West Pacific High Sea	Actinopterygii
<i>Halimochirurgus alcocki</i>	South West Pacific High Sea	Actinopterygii
<i>Helicolenus avius</i>	South West Pacific High Sea	Actinopterygii
<i>Helicolenus barathri</i>	South West Pacific High Sea	Actinopterygii
<i>Helicolenus percoides</i>	South West Pacific High Sea	Actinopterygii
<i>Homostolus acer</i>	South West Pacific High Sea	Actinopterygii
<i>Hoplichthys haswelli</i>	South West Pacific High Sea	Actinopterygii
<i>Hoplostethus melanopeza</i>	South West Pacific High Sea	Actinopterygii
<i>Hymenocephalus antraeus</i>	South West Pacific High Sea	Actinopterygii
<i>Ichthyococcus intermedius</i>	South West Pacific High Sea	Actinopterygii
<i>Leptobrotula breviventralis</i>	South West Pacific High Sea	Actinopterygii
<i>Lophiodes endoi</i>	South West Pacific High Sea	Actinopterygii
<i>Lycodapus endemoscotus</i>	South West Pacific High Sea	Actinopterygii
<i>Macroramphosus scolopax</i>	South West Pacific High Sea	Actinopterygii
<i>Malthopsis gigas</i>	South West Pacific High Sea	Actinopterygii
<i>Malthopsis parva</i>	South West Pacific High Sea	Actinopterygii
<i>Monodactylus argenteus</i>	South West Pacific High Sea	Actinopterygii
<i>Myctophum lunatum</i>	South West Pacific High Sea	Actinopterygii
<i>Neobythites fasciatus</i>	South West Pacific High Sea	Actinopterygii
<i>Ophichthus tomioi</i>	South West Pacific High Sea	Actinopterygii
<i>Ostichthys sandix</i>	South West Pacific High Sea	Actinopterygii
<i>Oxyporhamphus micropterus</i>	South West Pacific High Sea	Actinopterygii
<i>Pachycara brachycephalum</i>	South West Pacific High Sea	Actinopterygii
<i>Pachycara suspectum</i>	South West Pacific High Sea	Actinopterygii
<i>Paraliparis cephalus</i>	South West Pacific High Sea	Actinopterygii
<i>Parexocoetus mento</i>	South West Pacific High Sea	Actinopterygii
<i>Pentaceros richardsoni</i>	South West Pacific High Sea	Actinopterygii
<i>Peristedion longicornutum</i>	South West Pacific High Sea	Actinopterygii
<i>Polyipnus aquavitus</i>	South West Pacific High Sea	Actinopterygii
<i>Polyprion oxygeneios</i>	South West Pacific High Sea	Actinopterygii
<i>Promethichthys prometheus</i>	South West Pacific High Sea	Actinopterygii
<i>Psenes arafurensis</i>	South West Pacific High Sea	Actinopterygii
<i>Pseudonus squamiceps</i>	South West Pacific High Sea	Actinopterygii
<i>Pterygotrigla andertoni</i>	South West Pacific High Sea	Actinopterygii
<i>Pterygotrigla macrorhynchus</i>	South West Pacific High Sea	Actinopterygii
<i>Pterygotrigla megalops</i>	South West Pacific High Sea	Actinopterygii
<i>Pyramodon punctatus</i>	South West Pacific High Sea	Actinopterygii
<i>Rexea solandri</i>	South West Pacific High Sea	Actinopterygii
<i>Ruvettus pretiosus</i>	South West Pacific High Sea	Actinopterygii
<i>Saccopharynx schmidtii</i>	South West Pacific High Sea	Actinopterygii
<i>Seriola lalandi</i>	South West Pacific High Sea	Actinopterygii
<i>Solocisquama stellulata</i>	South West Pacific High Sea	Actinopterygii
<i>Symphurus thermophilus</i>	South West Pacific High Sea	Actinopterygii
<i>Symphysanodon maunaloae</i>	South West Pacific High Sea	Actinopterygii

Rare Species	System	Class
<i>Talismania bifurcata</i>	South West Pacific High Sea	Actinopterygii
<i>Tetragonurus pacificus</i>	South West Pacific High Sea	Actinopterygii
<i>Thamnaconus tessellatus</i>	South West Pacific High Sea	Actinopterygii
<i>Thyrsites atun</i>	South West Pacific High Sea	Actinopterygii
<i>Trachurus murphyi</i>	South West Pacific High Sea	Actinopterygii
<i>Trichiurus lepturus</i>	South West Pacific High Sea	Actinopterygii
<i>Valenciennellus carlsbergi</i>	South West Pacific High Sea	Actinopterygii
<i>Zenopsis nebulosa</i>	South West Pacific High Sea	Actinopterygii
<i>Asymbolus galacticus</i>	South West Pacific High Sea	Elasmobranchii
<i>Bathyraja andriashevi</i>	South West Pacific High Sea	Elasmobranchii
<i>Bathyraja shuntovi</i>	South West Pacific High Sea	Elasmobranchii
<i>Bathyraja spinosissima</i>	South West Pacific High Sea	Elasmobranchii
<i>Bathyraja tzinovskii</i>	South West Pacific High Sea	Elasmobranchii
<i>Carcharhinus longimanus</i>	South West Pacific High Sea	Elasmobranchii
<i>Notoraja sapphira</i>	South West Pacific High Sea	Elasmobranchii
<i>Pteroplatytrygon violacea</i>	South West Pacific High Sea	Elasmobranchii