



Annex 1. List of fish previously associated with ciguatera

SPECIES	ENGLISH NAMES
Acanthuridae	
<i>Acanthurus achilles</i>	Redblotch surgeonfish
<i>Acanthurus dussumieri</i>	Black-spot surgeonfish
<i>Acanthurus gahhm</i>	Black surgeonfish
<i>Acanthurus leucopareius</i>	Whitebar surgeonfish
<i>Acanthurus linearis</i>	Lined surgeonfish
<i>Acanthurus maculiceps</i>	Earbar surgeonfish
<i>Acanthurus nigricans</i>	Whitecheek surgeonfish
<i>Acanthurus nigrofuscus</i>	Brown surgeonfish
<i>Acanthurus nigroris</i>	Bluelined surgeonfish
<i>Acanthurus olivaceus</i>	Orangespot surgeonfish
<i>Acanthurus striatus</i>	Striated surgeonfish
<i>Acanthurus xanthopterus</i>	Yellowfin surgeonfish
<i>Ctenochaetus flavicauda</i>	Whitetailed surgeonfish
<i>Ctenochaetus striatus</i>	Striated surgeonfish
<i>Naso brachycentron</i>	Humpback unicornfish
<i>Naso brevirostris</i>	Spotted unicornfish
<i>Naso hexacanthus</i>	Sleek unicornfish
<i>Naso lituratus</i>	Orangespine unicornfish
<i>Naso unicornis</i>	Bluespine unicornfish
Albulidae	
<i>Albula vulpes</i>	Bonefish
Balistidae	
<i>Balistapus undulatus</i>	Orange-lined triggerfish
<i>Balistes capriscus</i>	Grey triggerfish
<i>Balistes vetula</i>	Queen triggerfish
<i>Balistoides viridescens</i>	Titan triggerfish
<i>Canthidermis sufflamen</i>	Ocean triggerfish
<i>Melichthys niger</i>	Black triggerfish
<i>Melichthys vidua</i>	Pinktail triggerfish
<i>Pseudobalistes fuscus</i>	Yellow-spotted triggerfish
Berycidae	
<i>Beryx splendens</i>	Alfonsino
Carangidae	
<i>Carangoides ferdau</i>	Blue trevally
<i>Caranx bartholomaei</i>	Yellow jack
<i>Caranx ignobilis</i>	Giant trevally
<i>Caranx latus</i>	Horse-eye jack
<i>Caranx lugubris</i>	Black jack

<i>Caranx melampygus</i>	Bluefin trevally
<i>Caranx papuensis</i>	Brassy trevally
<i>Caranx ruber</i>	Bar jack
<i>Caranx sexfasciatus</i>	Bigeye trevally
<i>Pseudocaranx dentex</i>	White trevally
<i>Seriola dumerili</i>	Greater amberjack
<i>Seriola fasciata</i>	Lesser amberjack
<i>Seriola lalandi</i>	Yellowtail amberjack
<i>Seriola rivoliana</i>	Longfin yellowtail
<i>Seriola spp.</i>	
Carcharhinidae	
<i>Carcharhinus amblyrhinchos</i>	Blacktail reef shark / Blacktip reef shark / Grey reef shark
<i>Carcharhinus amboinensis</i>	Pigeeye shark
<i>Carcharhinus leucas</i>	Bull shark
<i>Carcharhinus limbatus</i>	Australian blacktip shark / Blacktip reef shark / Graceful shark / Spinner shark
<i>Carcharhinus longimanus</i>	Oceanic whitetip shark
Chaetodontidae	
<i>Chaetodon auriga</i>	Threadfin butterflyfish
<i>Chaetodon meyeri</i>	Meyer's butterflyfish / Scrawled butterflyfish
<i>Forcipiger longirostris</i>	Black long-nosed butterflyfish
Congridae	
<i>Conger conger</i>	European conger
Coryphaenidae	
<i>Coryphaena hippurus</i>	Common dolphinfish
Diodontidae	
<i>Diodon hystrix</i>	Spotted porcupinefish
<i>Diodon liturosus</i>	Black-blotched porcupinefish / Longspined porcupinefish
Haemulidae	
<i>Parapristipoma octolineatum</i>	African striped grunt
<i>Pomadasys maculatus</i>	Saddle grunt
Holocentridae	
<i>Myripristis amaena</i>	Brick soldierfish
<i>Myripristis berndti</i>	Blotcheye soldierfish / Pinecone soldierfish
<i>Myripristis kuntzei</i>	Shoulderbar soldierfish
<i>Sargocentron spiniferum</i>	Sabre squirrelfish
<i>Sargocentron tere</i>	Ruby squirrelfish
Istiophoridae	
<i>Makaira nigricans</i>	Blue marlin
<i>Makaira indica</i>	Black marlin
Kyphosidae	
<i>Kyphosus cinerascens</i>	Blue sea chub
<i>Kyphosus sectatrix</i>	Skipjack tuna

<i>Kyphosus vaigiensis</i>	Brassy chub
Labridae	
<i>Bodianus bilunulatus</i>	Tarry hogfish
<i>Bodianus rufus</i>	Spanish hogfish
<i>Bodianus scrofa</i>	Barred hogfish
<i>Cheilinus trilobatus</i>	Tripletail wrasse
<i>Cheilinus undulatus</i>	Humphead wrasse
<i>Coris aygula</i>	Clown coris
<i>Epibulus insidiator</i>	Sling-jaw wrasse
<i>Halichoeres radiatus</i>	Puddingwife wrasse
<i>Lachnolaimus maximus</i>	Hogfish
Lethrinidae	
<i>Lethrinus atkinsoni</i>	Pacific yellowtail emperor
<i>Lethrinus miniatus</i>	Trumpet emperor
<i>Lethrinus olivaceus</i>	Longface emperor
<i>Lethrinus xanthurus</i>	Yellowlip emperor
<i>Monotaxis grandoculis</i>	Humpnose big-eye bream
Lutjanidae	
<i>Aphareus furca</i>	Small toothed jobfish
<i>Aprion virescens</i>	Green jobfish
<i>Etelis oculatus</i>	Queen snapper
<i>Lutjanus apodus</i>	Schoolmaster snapper
<i>Lutjanus argentimaculatus</i>	Mangrove red snapper
<i>Lutjanus bohar</i>	Two-spot red snapper
<i>Lutjanus buccanella</i>	Blackfin snapper
<i>Lutjanus campechanus</i>	Norther red snapper
<i>Lutjanus erythropterus</i>	Crimson snapper / Malabar blood snapper
<i>Lutjanus fulvus</i>	Blacktail snapper
<i>Lutjanus gibbus</i>	Humpback red snapper
<i>Lutjanus griseus</i>	Grey snapper
<i>Lutjanus jocu</i>	Dog snapper
<i>Lutjanus kasmira</i>	Common bluestripe snapper
<i>Lutjanus monostigma</i>	One-spot snapper
<i>Lutjanus rivulatus</i>	Blubberlip snapper
<i>Lutjanus sebae</i>	Emperor red snapper
<i>Lutjanus stellatus</i>	Pink ear emperor / Star snapper
<i>Macolor niger</i>	Black and white snapper
<i>Ocyurus chrysurus</i>	Yellowtail snapper
<i>Pinjalo pinjalo</i>	Pinjalo
<i>Symphorus nematophorus</i>	Chinamanfish
Malacanthidae	
<i>Malacanthus plumieri</i>	Sand tilefish
Megalopidae	
<i>Megalops atlanticus</i>	Tarpon
Monacanthidae	
<i>Aluterus scriptus</i>	Scrawled filefish
<i>Stephanolepis hispidus</i>	Planehead filefish

Moronidae	
<i>Dicentrarchus labrax</i>	European seabass
Mugilidae	
<i>Crenimugil crenilabis</i>	Fringelip mullet
<i>Ellochelon vaigiensis</i>	Squairetail mullet
<i>Liza aurata</i>	Golden grey mullet
<i>Mugil capurrii</i>	Narrowhead gray mullet
Mullidae	
<i>Mulloidichthys martinicus</i>	Yellow goatfish
<i>Mulloidichthys vanicolensis</i>	Yellowfin goatfish
<i>Mullus surmuletus</i>	Red-Mullet
<i>Parupeneus bifasciatus</i>	Doublebar goatfish
<i>Parupeneus forsskali</i>	Red Sea goatfish
<i>Parupeneus insularis</i>	Doublebar goatfish
Muraenidae	
<i>Enchelycore anatina</i>	Fangtooth moray
<i>Gymnothorax flavimarginatus</i>	Yellow-edged moray
<i>Gymnothorax funebris</i>	Green moray
<i>Gymnothorax javanicus</i>	Giant moray
<i>Gymnothorax miliaris</i>	Goldenatail moray
<i>Gymnothorax polygonius</i>	Polygon moray
<i>Gymnothorax unicolor</i>	Brown moray
<i>Muraena augusti</i>	Black moray
<i>Muraena helena</i>	Mediterranean moray
Oplegnathidae	
<i>Oplegnathus punctatus</i>	Spotted knifejaw
Phycidae	
<i>Phycis phycis</i>	Forkbeard
Polymixiidae	
<i>Polymixia nobilis</i>	Stout beardfish
Polynemidae	
<i>Polydactylus quadrifilis</i>	Giant African threadfin
Polyprionidae	
<i>Polyprion americanus</i>	Atlantic wreckfish
Pomacanthidae	
<i>Pomacanthus imperator</i>	Emperor angelfish
Pomacentridae	
<i>Chromis limbata</i>	Damselfish
Pomatomidae	
<i>Pomatomus saltatrix</i>	Bluefish
Priacanthidae	
<i>Priacanthus arenatus</i>	Atlantic bigeye
<i>Priacanthus hamrur</i>	Moontail bullseye
Rachycentridae	
<i>Rachycentron canadus</i>	Cobia
Salmonidae	
<i>Oncorhynchus kisutch</i>	Coho salmon / Coho(=Silver) salmon

Scaridae	
<i>Chlorurus frontalis</i>	Pacific slopehead parrotfish
<i>Chlorurus gibbus</i>	Heavybeak parrotfish
<i>Chlorurus microrhinos</i>	Steephead parrotfish
<i>Hipposcarus harid</i>	Candelamoia parrotfish
<i>Hipposcarus longiceps</i>	Pacific longnose parrotfish
<i>Leptoscarus vaigiensis</i>	Marbled parrotfish
<i>Scarus altipinnis</i>	Filament-finned parrotfish
<i>Scarus coeruleus</i>	Blue parrotfish
<i>Scarus forsteni</i>	Forsten's parrotfish
<i>Scarus ghobban</i>	Blue barred parrotfish
<i>Scarus psittacus</i>	Common parrotfish
<i>Scarus rubroviolaceus</i>	Ember parrotfish
<i>Scarus russelii</i>	Eclipse parrotfish
<i>Sparisoma cretense</i>	Parrotfish
Sciaenidae	
<i>Sciaena umbra</i>	Brown meagre
<i>Umbrina canariensis</i>	Canary drum
Scombridae	
<i>Acanthocybium solandri</i>	Wahoo
<i>Gymnosarda unicolor</i>	Dogtooth tuna
<i>Katsuwonus pelamis</i>	Bonito
<i>Sarda sarda</i>	Atlantic bonito
<i>Scomber colias</i>	Mackerel
<i>Scomberomorus cavalla</i>	King mackerel
<i>Scomberomorus commersoni</i>	Narrow-barred Spanish mackerel
<i>Scomberomorus maculatus</i>	Atlantic spanish mackerel
<i>Scomberomorus munroi</i>	Australian spotted mackerel
<i>Scomberomorus regalis</i>	Cero
<i>Thunnus spp.</i>	Tuna
Scorpaenidae	
<i>Pontinus kuhlii</i>	Offshore rockfish
<i>Pterois volitans</i>	Red lionfish
Sebastidae	
<i>Helicolenus dactylopterus</i>	Blackbelly rosefish
Serranidae	
<i>Cephalopholis argus</i>	Peacock hind
<i>Cephalopholis miniata</i>	Coral hind
<i>Cephalopholis sexmaculata</i>	Sixblotch hind
<i>Epinephelus areolatus</i>	Areolate grouper / Brownspeckled grouper
<i>Epinephelus coeruleopunctatus</i>	Summan grouper / Whitespeckled grouper
<i>Epinephelus coioides</i>	Orange-speckled grouper
<i>Epinephelus cyanopodus</i>	Speckled blue grouper
<i>Epinephelus fasciatus</i>	Blacktip grouper
<i>Epinephelus fuscoguttatus</i>	Brown-marbled grouper
<i>Epinephelus hexagonatus</i>	Starspeckled grouper

<i>Epinephelus lanceolatus</i>	Giant grouper
<i>Epinephelus maculatus</i>	Highfin grouper
<i>Epinephelus marginatus</i>	Dusky grouper
<i>Epinephelus merra</i>	Honeycomb grouper
<i>Epinephelus morio</i>	Red grouper
<i>Epinephelus multinotatus</i>	Areolate grouper / White-blotched grouper
<i>Epinephelus mystacinus</i>	Eightbar grouper / Misty grouper
<i>Epinephelus polyphkadion/microdon</i>	Camouflage grouper
<i>Epinephelus spilotoceps</i>	Foursaddle grouper
<i>Epinephelus tauvina</i>	Greasy grouper
<i>Mycteroperca bonaci</i>	Black grouper
<i>Mycteroperca fusca</i>	Island grouper
<i>Mycteroperca prionura</i>	Broomtail grouper
<i>Mycteroperca venenosa</i>	Yellowfin grouper
<i>Plectropomus areolatus</i>	Squaretail coral grouper
<i>Plectropomus laevis</i>	Blacksaddle coral grouper
<i>Plectropomus leopardus</i>	Leopard coral grouper
<i>Plectropomus maculatus</i>	Spotted coral grouper
<i>Serranus atricauda</i>	Blacktail comber
<i>Serranus cabrilla</i>	Comber
<i>Variola louti</i>	Yellow-edged lyretail
Siganidae	
<i>Siganus argenteus</i>	Goldspotted spinefoot / Marbled spinefoot / Mottled spinefoot / Streaked spinefoot / Streamlined spinefoot
<i>Siganus rivulatus</i>	Little spinefoot
Sparidae	
<i>Boops boops</i>	Bogue
<i>Calamus calamus</i>	Saucereye porgy
<i>Dentex gibbosus</i>	Pink dentex
<i>Dentex macrophthalmus</i>	Antoñito
<i>Diplodus cervinus cervinus</i>	Zebra seabream
<i>Diplodus puntazzo</i>	Sharpsnout seabream
<i>Diplodus sargus</i>	White seabream
<i>Diplodus sargus cadenati</i>	Diplodus sargus cadenati
<i>Diplodus vulgaris</i>	Common two-banded seabream
<i>Lithognathus mormyrus</i>	Striped seabream
<i>Oblada melanura</i>	Saddled seabream
<i>Pagellus acarne</i>	Axillary seabream
<i>Pagellus erythrinus</i>	Common pandora
<i>Pagrus auriga</i>	Redbanded seabream
<i>Pagrus Pagrus</i>	Red porgy
<i>Sarpa salpa</i>	Salema
<i>Sparus aurata</i>	Gilthead seabream
<i>Spondylisoma cantharus</i>	Black seabream
Sphyraenidae	

<i>Sphyraena barracuda</i>	Great barracuda
<i>Sphyraena jello</i>	Pickhandle barracuda
<i>Sphyraena viridensis</i>	Yellowmouth barracuda
Synodontidae	
<i>Synodus synodus</i>	Diamond lizardfish
Tetraodontidae	
<i>Arothron nigropunctatus</i>	Blackspotted puffer
<i>Canthigaster capistrata</i>	Macaronesian sharpnose-puffer
<i>Sphoeroides marmoratus</i>	Guinean puffer
Triakidae	
<i>Mustelus mustelus</i>	Smooth-hound shark
Xyfiidae	
<i>Xiphias gladius</i>	Swordfish
Zanclidae	
<i>Zanclus cornutus</i>	Moorish idol