

UNESCO environmental DNA (eDNA) Expeditions in marine World Heritage sites

Biodiversity survey for Lord Howe Island Group

Interim Results
Not for public distribution



Credit: Justin Gilligan

About eDNA Expeditions

UNESCO's eDNA Expeditions is a global, citizen science initiative that is conducted with the intention to measure marine biodiversity and predict the impact climate change on marine community composition across UNESCO World Heritage marine sites.

eDNA is a cost effective and minimally invasive method to measure biodiversity in any given area. Marine species continuously shed DNA into the water around them in the form of waste, mucus, or cells. By extracting this DNA from water samples, and subsequently multiplying and sequencing specific regions within these DNA strands, a wide variety of species can be detected without removing any organisms from their environment. The regions in the DNA targeted for sequencing are selected depending on the scope of the study: while some markers are suitable to obtain a broad overview of biodiversity across many groups of species, other markers are particularly suited to get high resolution insight for a more specific taxonomic group such as fish. The UNESCO eDNA Expeditions initiative combines a number of markers tailored for marine vertebrates (fish, mammals, and turtles). A general marker was added to also allow detection of species from other groups such as invertebrates, which can give a broader insight in the marine species diversity in a given area.

Between September 2022 and May 2023, UNESCO organized eDNA sampling campaigns in 21 marine World Heritage sites across 17 countries around the world. At every World Heritage site, about 20 samples were collected from different habitats. Over 250 young people participated in the local sampling expeditions. They were guided by local experts and park management staff, using protocols and eDNA sampling equipment provided by UNESCO.

Biodiversity inventories generated from the samples are being combined with existing species distribution data from public biodiversity databases such as the Ocean Biodiversity Information System (OBIS) in view of obtaining a comprehensive overview of marine life across marine World Heritage sites. Through the use of climate scenarios and species distribution models, an estimate will be made of the impact of climate change, in particular rising temperatures, on local biodiversity and its potential future distribution patterns.

More information about the initiative and a press kit are available on the UNESCO website: <https://www.unesco.org/en/edna-expeditions>.

Results

Sampling and sample processing

eDNA sampling was conducted in Lord Howe Island Group in December 2022 to February 2023. A total of 20 samples were collected at 6 locations in the park covering different habitats: comets_hole, erscotts_hole, far_rocks, north_bay, and sylphs_hole (Figure 1). Up to 1,500 mL of seawater was filtered through filter cartridges containing a filter with a 0.8 µm pore size. After sampling, the filter cartridges were flushed with preservation liquid and shipped to UNESCO. DNA from the samples was extracted and amplified, and subsequently sent to the sequencing facility at KU Leuven in Belgium, a specialized university eDNA lab contracted by UNESCO for this work. PCR amplification was done using five primer pairs selected to capture as much biodiversity as possible in the target groups of the study: fish, mammals, and turtles.

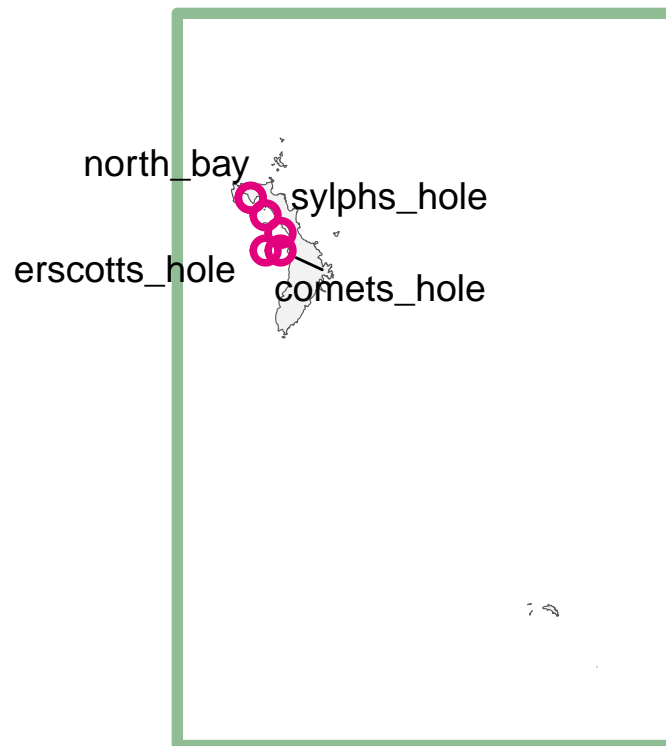


Figure 1: Map of the sampling locations.

DNA sequencing

Sequencing of the DNA from 20 samples resulted in over 36 million sequence reads, from which we collected 37,188 unique sequences or ASVs (Tables 1 and 2).

| reads | asvs |
|----------|-------|
| 36030383 | 37188 |

Table 1: Reads, ASVs, and species across all samples.

Species identification

The marker sequences obtained from sequencing were matched with sequence reference databases built using public data available from the National Center for Biotechnology Information (NCBI). This resulted in the

| locality | materialSampleID | sampleSize | reads | asvs | species |
|---|------------------|------------|---------|-------|---------|
| Comets Hole - Lord Howe Island lagoon | EE0143 | 1500 | 1834205 | 10520 | 223 |
| Comets Hole - Lord Howe Island lagoon | EE0341 | 1500 | 1736853 | 10408 | 187 |
| Comets Hole - Lord Howe Island lagoon | EE0368 | 1500 | 1242403 | 5541 | 154 |
| Comets Hole - Lord Howe Island lagoon | EE0369 | 1500 | 2110458 | 10014 | 193 |
| Erscotts Hole - Lord Howe Island lagoon | EE0130 | 1500 | 968929 | 5362 | 144 |
| Erscotts Hole - Lord Howe Island lagoon | EE0132 | 1500 | 326419 | 1188 | 28 |
| Erscotts Hole - Lord Howe Island lagoon | EE0367 | 1500 | 3825079 | 2637 | 95 |
| Far Rocks | EE0340 | 1500 | 1979411 | 8919 | 145 |
| Far Rocks | EE0352 | 1500 | 1950062 | 8408 | 138 |
| Far Rocks | EE0353 | 1500 | 1142954 | 480 | 10 |
| Far Rocks - Lord Howe Island Lagoon | EE0146 | 1500 | 938524 | 329 | 15 |
| North Bay - Lord Howe Island lagoon | EE0140 | 1500 | 1705215 | 9466 | 228 |
| North Bay - Lord Howe Island lagoon | EE0141 | 1500 | 1841015 | 9849 | 228 |
| North Bay - Lord Howe Island lagoon | EE0355 | 1500 | 2108488 | 8862 | 201 |
| North Bay - Lord Howe Island lagoon | EE0366 | 1500 | 2439664 | 4731 | 147 |
| Not specified - Lord Howe | EE0138 | 1500 | 2530456 | 4114 | 90 |
| Sylphs Hole - Lord Howe Island lagoon | EE0079 | 1500 | 1706690 | 7897 | 170 |
| Sylphs Hole - Lord Howe Island lagoon | EE0145 | 1500 | 1856049 | 8892 | 186 |
| Sylphs Hole - Lord Howe Island lagoon | EE0354 | 1500 | 2172745 | 8923 | 192 |
| Sylphs Hole - Lord Howe Island lagoon | EE0370 | 1500 | 1614764 | 6339 | 156 |

Table 2: Reads, ASVs, and species by sample.

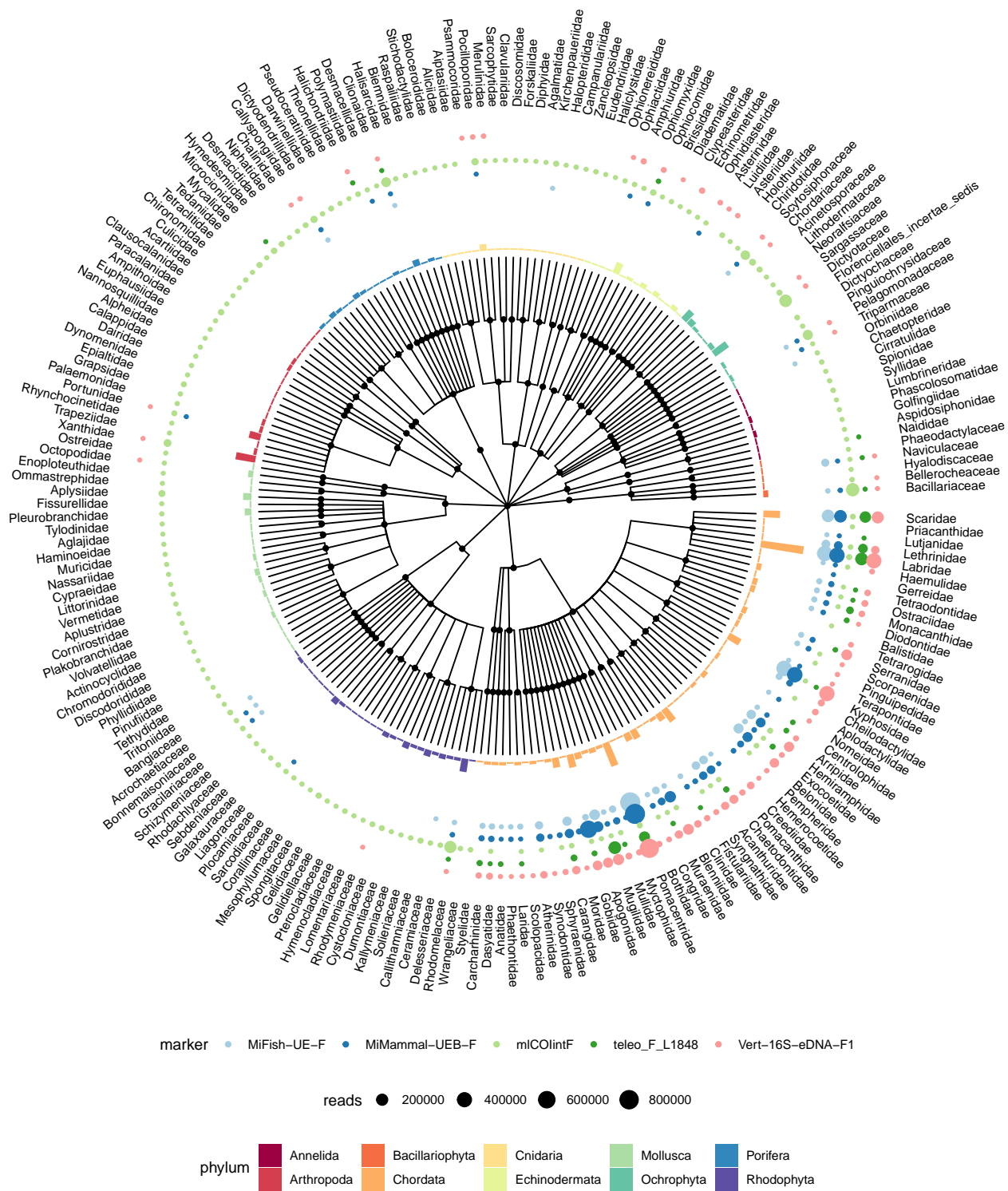
identification of 477 species, including 166 fish species, 0 mammalian species, and 0 turtle species (Table 3). Species from other groups, such as algae, molluscs, crustaceans, sponges, and echinoderms, were also detected (Figures 2 and 3). This number of species detected represents about 21% of the 2,797 species known from Lord Howe Island Group in the OBIS database. Of the 477 species detected, 223 are not among the species previously reported from Lord Howe Island Group to the UNESCO OBIS database. 4 of the detected species are listed as threatened on the IUCN Red List (Table 4). A full list of species is added at the end of this report.

| group | eDNA species | total species | fraction |
|---------|--------------|---------------|----------|
| fish | 166 | 787 | 0.21 |
| mammals | 0 | 11 | |
| turtles | 0 | 3 | |

Table 3: Number of species in the three target groups, from the OBIS database and from eDNA sampling.

| category | eDNA species | total species | fraction |
|----------|--------------|---------------|----------|
| CR | 0 | 7 | |
| EN | 2 | 11 | 0.18 |
| VU | 2 | 44 | 0.05 |

Table 4: Number of species by IUCN Red List category, from the OBIS database and from eDNA sampling.



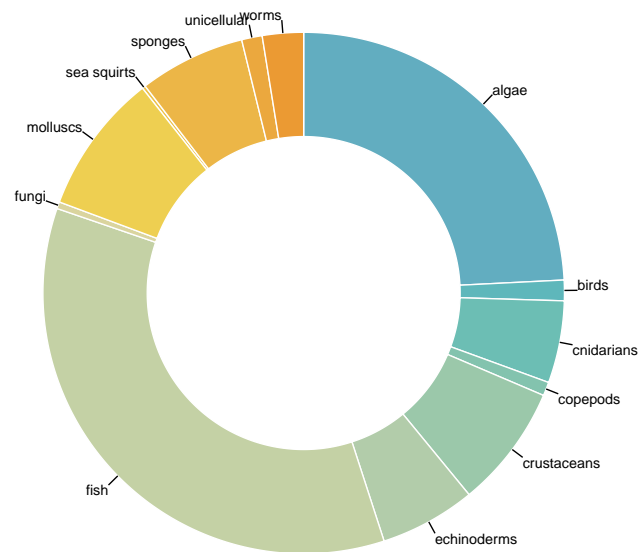


Figure 3: Distribution of detected species across groups.

| phylum | class | species | group | category | new | vernacular |
|------------|--------------|---|-------------|----------|-----|---------------------------|
| Amoebozoa | Discosea | Neoparamoeba aestuarina | unicellular | | yes | |
| Amoebozoa | Discosea | Neoparamoeba pemaquidensis | unicellular | | yes | |
| Amoebozoa | Discosea | Pseudoparamoeba pagei | unicellular | | yes | |
| Annelida | Clitellata | Heronidrilus heronae | worms | | yes | |
| Annelida | Polychaeta | Boccardia polybranchia | worms | | yes | |
| Annelida | Polychaeta | Lumbrineris perkinsi | worms | | yes | |
| Annelida | Polychaeta | Megasyllis inflata | worms | | yes | |
| Annelida | Polychaeta | Myrianida pachycera | worms | | yes | |
| Annelida | Polychaeta | Phyllochaetopterus verrilli | worms | | yes | |
| Annelida | Polychaeta | Scoloplos dayi | worms | | yes | |
| Annelida | Polychaeta | Timarete punctata | worms | | yes | |
| Annelida | | Aspidosiphon (Paraspidosiphon) laevis | worms | | yes | |
| Annelida | | Phascolosoma (Phascolosoma) nigrescens | worms | | | |
| Annelida | | Phascolosoma (Phascolosoma) noduliferum | worms | | yes | |
| Annelida | | Themiste (Lagenopsis) minor | worms | | yes | |
| Arthropoda | Copepoda | Acartia (Acanthacartia) tonsa | copepods | | yes | |
| Arthropoda | Copepoda | Clausocalanus furcatus | copepods | | yes | |
| Arthropoda | Copepoda | Mecynocera clausi | copepods | | yes | |
| Arthropoda | Copepoda | Paracalanus nanus | copepods | | yes | |
| Arthropoda | Hexapoda | Culex quinquefasciatus | | | yes | |
| Arthropoda | Hexapoda | Pontomyia natans | | | | |
| Arthropoda | Malacostraca | Actaeodes tomentosus | crustaceans | | | |
| Arthropoda | Malacostraca | Alpheus lottini | crustaceans | | | coral snapping shrimp |
| Arthropoda | Malacostraca | Ampithoe caddi | crustaceans | | yes | |
| Arthropoda | Malacostraca | Brachycarpus biunguiculatus | crustaceans | | yes | twoclaw shrimp |
| Arthropoda | Malacostraca | Calappa hepatica | crustaceans | | | smooth box crab |
| Arthropoda | Malacostraca | Caphyra rotundifrons | crustaceans | | | |
| Arthropoda | Malacostraca | Chlorodiella barbata | crustaceans | | yes | |
| Arthropoda | Malacostraca | Chlorodiella cytherea | crustaceans | | | |
| Arthropoda | Malacostraca | Cinetorhynchus erythrostictus | crustaceans | | yes | |
| Arthropoda | Malacostraca | Cuapetes grandis | crustaceans | | yes | |
| Arthropoda | Malacostraca | Cyclodius obscurus | crustaceans | | yes | |
| Arthropoda | Malacostraca | Daira perlata | crustaceans | | | |
| Arthropoda | Malacostraca | Danielea noelensis | crustaceans | | yes | |
| Arthropoda | Malacostraca | Etisus bifrontalis | crustaceans | | yes | |
| Arthropoda | Malacostraca | Etisus electra | crustaceans | | | |
| Arthropoda | Malacostraca | Hirsutodynamene spinosa | crustaceans | | yes | |
| Arthropoda | Malacostraca | Liocarpilodes integerrimus | crustaceans | | yes | |
| Arthropoda | Malacostraca | Menaethius monoceros | crustaceans | | | |
| Arthropoda | Malacostraca | Pachygrapsus minutus | crustaceans | | yes | |
| Arthropoda | Malacostraca | Paramedaeus simplex | crustaceans | | yes | |
| Arthropoda | Malacostraca | Pilodius moranti | crustaceans | | | |
| Arthropoda | Malacostraca | Planes minutus | crustaceans | | | Gulfweed crab, crabe menu |
| Arthropoda | Malacostraca | Platypodia pseudogranulosa | crustaceans | | yes | |
| Arthropoda | Malacostraca | Pleonexes kava | crustaceans | | yes | |
| Arthropoda | Malacostraca | Portunus pubescens | crustaceans | | yes | |
| Arthropoda | Malacostraca | Pullosquilla litoralis | crustaceans | | yes | |
| Arthropoda | Malacostraca | Thalamita admete | crustaceans | | | |
| Arthropoda | Malacostraca | Thalamita cerasma | crustaceans | | yes | |
| Arthropoda | Malacostraca | Thalamita pelsarti | crustaceans | | yes | |

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| phylum | class | species | group | category | new | vernacular |
|-----------------|---------------------|------------------------------|-------------|----------|-----|---|
| Arthropoda | Malacostraca | Thalamita prymna | crustaceans | | | |
| Arthropoda | Malacostraca | Thysanoessa gregaria | crustaceans | | yes | |
| Arthropoda | Malacostraca | Trapezia cymodoce | crustaceans | | | |
| Arthropoda | Malacostraca | Trapezia serenei | crustaceans | | yes | |
| Arthropoda | Malacostraca | Xiphonectes longispinosus | crustaceans | | | |
| Arthropoda | Malacostraca | Zosimus aeneus | crustaceans | | | |
| Arthropoda | Thecostraca | Tetracitella divisa | crustaceans | | yes | |
| Ascomycota | Dothideomycetes | Cladosporium herbarum | fungi | | yes | |
| Bacillariophyta | Bacillariophyceae | Bellerochea polymorpha | algae | | yes | |
| Bacillariophyta | Bacillariophyceae | Cylindrotheca closterium | algae | | | |
| Bacillariophyta | Bacillariophyceae | Haslea pseudostrearia | algae | | yes | |
| Bacillariophyta | Bacillariophyceae | Phaeodactylum tricornutum | algae | | yes | |
| Bacillariophyta | Bacillariophyceae | Podosira stelligera | algae | | | |
| Bacillariophyta | Bacillariophyceae | Pseudo-nitzschia cuspidata | algae | | yes | |
| Bacillariophyta | Bacillariophyceae | Pseudo-nitzschia sabit | algae | | yes | |
| Cercozoa | Chlorarachnea | Bigelowiella natans | unicellular | | yes | |
| Cercozoa | Chlorarachnea | Chlorarachnion reptans | unicellular | | yes | |
| Chlorophyta | Mamiellophyceae | Bathycoccus prasinus | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Dolichomastix tenuilepis | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Micromonas commoda | algae | | yes | |
| Chlorophyta | Mamiellophyceae | Micromonas pusilla | algae | | yes | |
| Chlorophyta | Pyramimonadophyceae | Prasinoderma coloniale | algae | | yes | |
| Chlorophyta | Trebouxiophyceae | Trebouxia aggregata | algae | | yes | |
| Chlorophyta | | Chloroparvula pacifica | algae | | yes | |
| Chlorophyta | | Chloropicon laureae | algae | | yes | |
| Chlorophyta | | Chloropicon primus | algae | | yes | |
| Chlorophyta | | Chloropicon roscoffensis | algae | | yes | |
| Chlorophyta | | Chloropicon sieburthii | algae | | yes | |
| Chordata | Asciadiacea | Symplegma reptans | sea squirts | | yes | |
| Chordata | Aves | Anas platyrhynchos | birds | LC | | mallard, canard colvert |
| Chordata | Aves | Anas poecilorhyncha | birds | LC | yes | |
| Chordata | Aves | Gygis alba | birds | LC | | common white-tern, gygis blanche |
| Chordata | Aves | Onychoprion fuscatus | birds | LC | | sooty tern |
| Chordata | Aves | Phaethon rubricauda | birds | LC | | red-tailed tropicbird, phaéton à brins rouges |
| Chordata | Aves | Tringa incana | birds | LC | | wandering tattler, chevalier errant |
| Chordata | Elasmobranchii | Bathytoshia lata | fish | VU | | |
| Chordata | Elasmobranchii | Carcharhinus obscurus | fish | EN | yes | dusky shark |
| Chordata | Elasmobranchii | Carcharhinus plumbeus | fish | EN | yes | sandbar shark, requin gris |
| Chordata | Elasmobranchii | Taeniurops meyeri | fish | VU | | |
| Chordata | Teleostei | Ablabys taenianotus | fish | | | |
| Chordata | Teleostei | Abudefduf sexfasciatus | fish | LC | | scissortail sergeant |
| Chordata | Teleostei | Abudefduf vaigiensis | fish | LC | | Indo-Pacific sergeant |
| Chordata | Teleostei | Acanthistius ocellatus | fish | LC | | |
| Chordata | Teleostei | Acanthurus nigrofuscus | fish | LC | | brown surgeonfish |
| Chordata | Teleostei | Acanthurus triostegus | fish | LC | | convict surgeonfish |
| Chordata | Teleostei | Aluterus scriptus | fish | LC | | scrawled filefish |
| Chordata | Teleostei | Amblyglyphidodon leucogaster | fish | LC | yes | whitebelly damselfish |
| Chordata | Teleostei | Amblygobius phalaena | fish | LC | | |
| Chordata | Teleostei | Amphiprion akindynos | fish | LC | yes | |
| Chordata | Teleostei | Anampses caeruleopunctatus | fish | LC | | bluespotted wrasse |

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| phylum | class | species | group | category | new | vernacular |
|----------|-----------|--------------------------|-------|----------|-----|-------------------------------|
| Chordata | Teleostei | Anampses elegans | fish | LC | | |
| Chordata | Teleostei | Aplodactylus etheridgii | fish | | | |
| Chordata | Teleostei | Arripis trutta | fish | | | |
| Chordata | Teleostei | Atherinomorus lacunosus | fish | LC | | robust silverside |
| Chordata | Teleostei | Bathygobius cocosensis | fish | LC | | |
| Chordata | Teleostei | Bothus pantherinus | fish | LC | | panther flounder |
| Chordata | Teleostei | Callogobius hasseltii | fish | LC | yes | |
| Chordata | Teleostei | Calotomus spinidens | fish | LC | yes | spinytooth parrotfish |
| Chordata | Teleostei | Cantherhines pardalis | fish | LC | | wier-net filefish |
| Chordata | Teleostei | Canthigaster callisterna | fish | LC | | |
| Chordata | Teleostei | Canthigaster rivulata | fish | LC | | brown-lined puffer |
| Chordata | Teleostei | Canthigaster valentini | fish | LC | | Valentinni's sharpnose puffer |
| Chordata | Teleostei | Caranx sexfasciatus | fish | LC | | bigeye trevally |
| Chordata | Teleostei | Centropyge tibicen | fish | LC | | |
| Chordata | Teleostei | Ceratoscopelus warmingii | fish | LC | | Warming's lantern fish |
| Chordata | Teleostei | Cercamia eremia | fish | | yes | |
| Chordata | Teleostei | Chaetodon auriga | fish | LC | | threadfin butterflyfish |
| Chordata | Teleostei | Chaetodon bennetti | fish | DD | | bluelashed butterflyfish |
| Chordata | Teleostei | Chaetodon citrinellus | fish | LC | | |
| Chordata | Teleostei | Chaetodon collare | fish | LC | yes | |
| Chordata | Teleostei | Chaetodon flavirostris | fish | LC | | |
| Chordata | Teleostei | Chaetodon lunula | fish | LC | | raccoon butterflyfish |
| Chordata | Teleostei | Chaetodon melannotus | fish | LC | | blackback butterflyfish |
| Chordata | Teleostei | Chaetodon mertensii | fish | LC | | |
| Chordata | Teleostei | Chaetodon plebeius | fish | LC | | |
| Chordata | Teleostei | Cheilio inermis | fish | LC | | cigar wrasse |
| Chordata | Teleostei | Cheilopogon unicolor | fish | | yes | |
| Chordata | Teleostei | Chlorurus sordidus | fish | LC | | |
| Chordata | Teleostei | Chromis atripectoralis | fish | LC | | black-axil chromis |
| Chordata | Teleostei | Chromis hypsilepis | fish | LC | | |
| Chordata | Teleostei | Chrysiptera galba | fish | LC | yes | |
| Chordata | Teleostei | Cirripectes castaneus | fish | LC | | chestnut blenny |
| Chordata | Teleostei | Conger cinereus | fish | LC | | mustache conger |
| Chordata | Teleostei | Coris aygula | fish | LC | | clown wrasse |
| Chordata | Teleostei | Coris picta | fish | LC | | |
| Chordata | Teleostei | Cosmocampus howensis | fish | LC | | |
| Chordata | Teleostei | Cubiceps capensis | fish | LC | yes | Cape cubehead |
| Chordata | Teleostei | Cymolutes torquatus | fish | LC | | finescale razorfish |
| Chordata | Teleostei | Dascyllus aruanus | fish | LC | | banded dascyllus |
| Chordata | Teleostei | Decapterus macarellus | fish | LC | yes | mackerel scad |
| Chordata | Teleostei | Decapterus muroadsi | fish | LC | | amberstripe scad |
| Chordata | Teleostei | Diodon holocanthus | fish | LC | | balloonfish |
| Chordata | Teleostei | Diodon hystrix | fish | LC | | spot-fin porcupinefish |
| Chordata | Teleostei | Diodon liturosus | fish | | yes | black-blotched porcupinefish |
| Chordata | Teleostei | Echidna nebulosa | fish | LC | | snowflake moray |
| Chordata | Teleostei | Enchelyurus ater | fish | LC | | |
| Chordata | Teleostei | Entomacrodus striatus | fish | LC | | reef margin blenny |
| Chordata | Teleostei | Epinephelus daemeli | fish | NT | | |
| Chordata | Teleostei | Eucinostomus gula | fish | LC | yes | Jenny mojarra |
| Chordata | Teleostei | Eviota afelei | fish | LC | | Afele's fringe goby |

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| phylum | class | species | group | category | new | vernacular |
|----------|-----------|-----------------------------|-------|----------|-----|---------------------------------------|
| Chordata | Teleostei | Eviota prasina | fish | LC | | green bubble goby |
| Chordata | Teleostei | Fistularia commersonii | fish | LC | | cornetfish |
| Chordata | Teleostei | Fowleria vaiulae | fish | | yes | |
| Chordata | Teleostei | Girella cyanea | fish | | | |
| Chordata | Teleostei | Girella fimbriata | fish | | yes | |
| Chordata | Teleostei | Gnatholepis anjerensis | fish | LC | | |
| Chordata | Teleostei | Gnatholepis cauerensis | fish | LC | | eyebare goby |
| Chordata | Teleostei | Gomphosus caeruleus | fish | LC | yes | Red Sea bird wrasse |
| Chordata | Teleostei | Gymnothorax chilospilus | fish | LC | | lipspot moray |
| Chordata | Teleostei | Gymnothorax eurostus | fish | LC | | |
| Chordata | Teleostei | Gymnothorax kidako | fish | LC | yes | |
| Chordata | Teleostei | Gymnothorax meleagris | fish | LC | | turkey moray |
| Chordata | Teleostei | Halichoeres margaritaceus | fish | LC | | |
| Chordata | Teleostei | Halichoeres trimaculatus | fish | LC | | |
| Chordata | Teleostei | Hemigymnus melapterus | fish | LC | | thicklip wrasse |
| Chordata | Teleostei | Heteroclinus roseus | fish | LC | | rosy weedfish |
| Chordata | Teleostei | Hypoatherina temminckii | fish | | | Samoa silverside |
| Chordata | Teleostei | Hyporhamphus australis | fish | | | |
| Chordata | Teleostei | Hyporhamphus melanochir | fish | | yes | |
| Chordata | Teleostei | Hyporhamphus yuri | fish | | yes | |
| Chordata | Teleostei | Iniistius pavo | fish | LC | | peacock razorfish |
| Chordata | Teleostei | Istioblennius edentulus | fish | LC | | rockskipper |
| Chordata | Teleostei | Kyphosus bigibbus | fish | LC | | grey sea chub |
| Chordata | Teleostei | Kyphosus cinerascens | fish | LC | | snubnose chub |
| Chordata | Teleostei | Kyphosus pacificus | fish | | | |
| Chordata | Teleostei | Kyphosus sydneyanus | fish | | | |
| Chordata | Teleostei | Kyphosus vaigiensis | fish | LC | | brassy chub |
| Chordata | Teleostei | Labroides dimidiatus | fish | LC | | cleaner wrasse |
| Chordata | Teleostei | Lampadena speculigera | fish | LC | yes | mirror lanternfish, lampe à nez denté |
| Chordata | Teleostei | Leptoscarus vaigiensis | fish | LC | | marbled parrotfish |
| Chordata | Teleostei | Lethrinus nebulosus | fish | LC | | spangled emperor |
| Chordata | Teleostei | Limnichthys fasciatus | fish | LC | | |
| Chordata | Teleostei | Lotella phycis | fish | | | |
| Chordata | Teleostei | Lutjanus argentimaculatus | fish | LC | yes | river snapper |
| Chordata | Teleostei | Macrodonogobius wilburi | fish | LC | | largetooth goby |
| Chordata | Teleostei | Matsubaraea fusiformis | fish | | yes | |
| Chordata | Teleostei | Microcanthus strigatus | fish | LC | | |
| Chordata | Teleostei | Mugil cephalus | fish | LC | yes | grey mullet, muge |
| Chordata | Teleostei | Myxus elongatus | fish | | | |
| Chordata | Teleostei | Naso lopezi | fish | LC | yes | |
| Chordata | Teleostei | Naso unicornis | fish | LC | | bluespine unicornfish |
| Chordata | Teleostei | Nemadactylus valenciennesi | fish | | yes | |
| Chordata | Teleostei | Neoglyphidodon polyacanthus | fish | LC | | |
| Chordata | Teleostei | Notolabrus gymnogenis | fish | LC | | |
| Chordata | Teleostei | Notolabrus inscriptus | fish | LC | | |
| Chordata | Teleostei | Novaculoides macrolepidotus | fish | | | seagrass wrasse |
| Chordata | Teleostei | Ostorhinchus doederleini | fish | LC | | |
| Chordata | Teleostei | Ostracion cubicum | fish | | | |
| Chordata | Teleostei | Parapercis cylindrica | fish | LC | | cylindrical sandperch |
| Chordata | Teleostei | Parapercis queenslandica | fish | LC | | |

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| phylum | class | species | group | category | new | vernacular |
|----------|-----------|----------------------------------|-------|----------|-----|---|
| Chordata | Teleostei | Parma microlepis | fish | LC | | |
| Chordata | Teleostei | Parma oligolepis | fish | LC | | |
| Chordata | Teleostei | Parupeneus ciliatus | fish | LC | | whitesaddle goatfish |
| Chordata | Teleostei | Parupeneus multifasciatus | fish | LC | | |
| Chordata | Teleostei | Parupeneus spilurus | fish | LC | | blackspot goatfish, rouget-barbet à tache noire |
| Chordata | Teleostei | Pelates quadrilineatus | fish | | yes | fourlined terapon |
| Chordata | Teleostei | Pempheris rapa | fish | | yes | |
| Chordata | Teleostei | Pervagor janthinosoma | fish | LC | | blackbar filefish |
| Chordata | Teleostei | Petroscirtes breviceps | fish | LC | yes | |
| Chordata | Teleostei | Pictilabrus laticlavus | fish | LC | | |
| Chordata | Teleostei | Platybelone argalus | fish | LC | | keeltail needlefish |
| Chordata | Teleostei | Plectorhinchus picus | fish | | | painted sweetlip |
| Chordata | Teleostei | Plectroglyphidodon dickii | fish | NT | | blackbar devil |
| Chordata | Teleostei | Plectroglyphidodon gascoynei | fish | | | |
| Chordata | Teleostei | Plectroglyphidodon johnstonianus | fish | LC | | Johnston Island damsel |
| Chordata | Teleostei | Plectroglyphidodon leucozonus | fish | LC | | |
| Chordata | Teleostei | Priacanthus hamrur | fish | LC | | goggle-eye |
| Chordata | Teleostei | Prionurus maculatus | fish | LC | | |
| Chordata | Teleostei | Psenes pellucidus | fish | LC | | bluefin driftfish |
| Chordata | Teleostei | Pseudocaranx dentex | fish | LC | | guelly jack, carangue dentue |
| Chordata | Teleostei | Pseudocheilinus hexataenia | fish | LC | | sixstripe wrasse |
| Chordata | Teleostei | Pseudolabrus luculentus | fish | LC | | |
| Chordata | Teleostei | Scarus altipinnis | fish | LC | | |
| Chordata | Teleostei | Scarus frenatus | fish | LC | | bridled parrotfish |
| Chordata | Teleostei | Scarus ghobban | fish | LC | | bluechin parrotfish |
| Chordata | Teleostei | Scarus globiceps | fish | LC | | globehead parrotfish |
| Chordata | Teleostei | Scarus psittacus | fish | LC | | palenose parrotfish |
| Chordata | Teleostei | Scarus rivulatus | fish | LC | | |
| Chordata | Teleostei | Scarus schlegeli | fish | LC | | |
| Chordata | Teleostei | Schedophilus velaini | fish | LC | | |
| Chordata | Teleostei | Scorpaena miostoma | fish | | yes | |
| Chordata | Teleostei | Scorpaenodes evides | fish | LC | | |
| Chordata | Teleostei | Seriola lalandi | fish | LC | | yellowtail, sérieole chicard |
| Chordata | Teleostei | Siphamia fistulosa | fish | | yes | |
| Chordata | Teleostei | Sphyraena flavicauda | fish | | yes | yellowtail barracuda |
| Chordata | Teleostei | Sphyraena obtusata | fish | | | obtuse barracuda |
| Chordata | Teleostei | Stanulus talboti | fish | LC | | |
| Chordata | Teleostei | Stethojulis bandanensis | fish | LC | | |
| Chordata | Teleostei | Stethojulis strigiventer | fish | LC | | three-ribbon rainbowfish |
| Chordata | Teleostei | Stigmatopora nigra | fish | LC | | |
| Chordata | Teleostei | Sufflamen fraenatum | fish | LC | | |
| Chordata | Teleostei | Synodus dermatogenys | fish | LC | | |
| Chordata | Teleostei | Thalassoma amblycephalum | fish | LC | | bluntheaded wrasse |
| Chordata | Teleostei | Thalassoma hardwicke | fish | LC | | |
| Chordata | Teleostei | Thalassoma lunare | fish | LC | | moon wrasse |
| Chordata | Teleostei | Thalassoma lutescens | fish | LC | | |
| Chordata | Teleostei | Thalassoma purpureum | fish | LC | | surge wrasse |
| Chordata | Teleostei | Thalassoma trilobatum | fish | LC | | Christmas wrasse |
| Chordata | Teleostei | Trachurus declivis | fish | LC | | greenback horse mackerel |
| Chordata | Teleostei | Trachypoma macracanthus | fish | LC | | |

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|---------------|---------------|------------------------------------|-------------|----------|-----|------------------------|
| Chordata | Teleostei | Tylosurus crocodilus | fish | LC | | houndfish |
| Cnidaria | Anthozoa | Bolocerooides mcmurricchi | cnidarians | | yes | |
| Cnidaria | Anthozoa | Clavularia crassa | cnidarians | LC | yes | |
| Cnidaria | Anthozoa | Exaiphtasia diaphana | cnidarians | | | |
| Cnidaria | Anthozoa | Favites abdita | cnidarians | NT | | larger star coral |
| Cnidaria | Anthozoa | Lobophytum crassum | cnidarians | | yes | |
| Cnidaria | Anthozoa | Pocillopora acuta | cnidarians | | yes | |
| Cnidaria | Anthozoa | Pocillopora damicornis | cnidarians | LC | | cauliflower coral |
| Cnidaria | Anthozoa | Psammocora nierstraszi | cnidarians | LC | yes | |
| Cnidaria | Anthozoa | Rhodactis indosinensis | cnidarians | | yes | hairy mushroom anemone |
| Cnidaria | Anthozoa | Seriatopora hystrix | cnidarians | LC | | needle coral |
| Cnidaria | Anthozoa | Stichodactyla haddoni | cnidarians | | yes | Haddon's sea anemone |
| Cnidaria | Anthozoa | Stylophora pistillata | cnidarians | NT | | hood coral |
| Cnidaria | Anthozoa | Triactis producta | cnidarians | | yes | crab anemone |
| Cnidaria | Hydrozoa | Antennella secundaria | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Clytia gracilis | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Diphyes bojani | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Eudendrium capillare | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Forskalia tholoides | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Kirchenpaueria halecioides | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Nanomia bijuga | cnidarians | | yes | |
| Cnidaria | Hydrozoa | Zancleopsis dichotoma | cnidarians | | yes | |
| Cnidaria | Staurozoa | Halicystus inabai | cnidarians | | yes | |
| Cryptophyta | Cryptophyceae | Hemiselmis andersenii | | | yes | |
| Cryptophyta | Cryptophyceae | Rhodomonas salina | | | yes | |
| Ctenophora | Tentaculata | Vallicula multiformis | cnidarians | | yes | |
| Ctenophora | Tentaculata | Velamen parallelum | cnidarians | | yes | |
| Echinodermata | Asteroidea | Aquilonastra anomala | echinoderms | | | |
| Echinodermata | Asteroidea | Coscinastris muricata | echinoderms | | | |
| Echinodermata | Asteroidea | Linckia guildingi | echinoderms | | | |
| Echinodermata | Asteroidea | Luidia maculata | echinoderms | | | |
| Echinodermata | Asteroidea | Nepanthia belcheri | echinoderms | | | |
| Echinodermata | Asteroidea | Parvulastra exigua | echinoderms | | | |
| Echinodermata | Echinoidea | Brissus agassizii | echinoderms | | | |
| Echinodermata | Echinoidea | Centrostephanus rogersii | echinoderms | | | |
| Echinodermata | Echinoidea | Clypeaster japonicus | echinoderms | | yes | |
| Echinodermata | Echinoidea | Diadema savignyi | echinoderms | | | |
| Echinodermata | Echinoidea | Echinometra mathaei | echinoderms | | | rock-boring urchin |
| Echinodermata | Echinoidea | Echinostrephus aciculatus | echinoderms | | | |
| Echinodermata | Echinoidea | Heliocidaris tuberculata | echinoderms | | | |
| Echinodermata | Holothuroidea | Chiridota rigida | echinoderms | | | |
| Echinodermata | Holothuroidea | Holothuria (Thymiosycia) arenicola | echinoderms | | | |
| Echinodermata | Holothuroidea | Holothuria atra | echinoderms | LC | | |
| Echinodermata | Holothuroidea | Holothuria leucospilota | echinoderms | LC | | |
| Echinodermata | Ophiuroidea | Amphipholis squamata | echinoderms | | | dwarf brittle star |
| Echinodermata | Ophiuroidea | Breviturma brevipes | echinoderms | | | |
| Echinodermata | Ophiuroidea | Breviturma dentata | echinoderms | | | |
| Echinodermata | Ophiuroidea | Breviturma pica | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiactis savignyi | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiocoma erinaceus | echinoderms | | yes | |

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|---------------|-------------------|-----------------------------|-------------|----------|-----|--------------------------------------|
| Echinodermata | Ophiuroidea | Ophiocomella ophiactoides | echinoderms | | yes | |
| Echinodermata | Ophiuroidea | Ophiocomella sexradia | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiomastix endeani | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophiomyxa australis | echinoderms | | | |
| Echinodermata | Ophiuroidea | Ophionereis porrecta | echinoderms | | | |
| Haptophyta | Coccolithophyceae | Emiliania huxleyi | algae | | yes | |
| Haptophyta | Coccolithophyceae | Isochrysis galbana | algae | | yes | |
| Haptophyta | Coccolithophyceae | Phaeocystis globosa | algae | | yes | |
| Haptophyta | Coccolithophyceae | Phaeocystis pouchetii | algae | | yes | |
| Hemichordata | Enteropneusta | Ptychodera flava | | | yes | Hawaiian acorn worm |
| Mollusca | Bivalvia | Dendostrea frons | molluscs | | yes | frond oyster |
| Mollusca | Cephalopoda | Abaliopsis tui | molluscs | DD | yes | |
| Mollusca | Cephalopoda | Amphioctopus kagoshimensis | molluscs | LC | | |
| Mollusca | Cephalopoda | Callistoctopus ornatus | molluscs | LC | | ornate octopus |
| Mollusca | Cephalopoda | Octopus cyanea | molluscs | LC | | Cyane's octopus |
| Mollusca | Cephalopoda | Ommastrephes bartramii | molluscs | LC | | akaika |
| Mollusca | Gastropoda | Actinocyclus verrucosus | molluscs | | | |
| Mollusca | Gastropoda | Aplysia argus | molluscs | | | |
| Mollusca | Gastropoda | Aplysia concava | molluscs | | | |
| Mollusca | Gastropoda | Aplysia parvula | molluscs | | | dwarf sea hare, petit lièvre de mer |
| Mollusca | Gastropoda | Bembicium flavescens | molluscs | | | |
| Mollusca | Gastropoda | Berthellina citrina | molluscs | | | lemon pleurobranch |
| Mollusca | Gastropoda | Bullina lineata | molluscs | | | lined bubble snail |
| Mollusca | Gastropoda | Carminodoris grandiflora | molluscs | | yes | |
| Mollusca | Gastropoda | Cornirostra pellucida | molluscs | | yes | |
| Mollusca | Gastropoda | Cupolaconcha meroclista | molluscs | | yes | |
| Mollusca | Gastropoda | Dendropoma gregarium | molluscs | | yes | |
| Mollusca | Gastropoda | Dolabella auricularia | molluscs | | | wedge sea hare |
| Mollusca | Gastropoda | Elysia asbecki | molluscs | | yes | |
| Mollusca | Gastropoda | Elysia bennettiae | molluscs | | | |
| Mollusca | Gastropoda | Hydatina physis | molluscs | | | striped bubble shell |
| Mollusca | Gastropoda | Lyncina vitellus | molluscs | | | |
| Mollusca | Gastropoda | Marioniopsis hawaiiensis | molluscs | | yes | |
| Mollusca | Gastropoda | Melibe viridis | molluscs | | | |
| Mollusca | Gastropoda | Miamira striata | molluscs | | yes | |
| Mollusca | Gastropoda | Monetaria caputserpentis | molluscs | | | serpent's head cowry |
| Mollusca | Gastropoda | Nassarius albescens | molluscs | | | |
| Mollusca | Gastropoda | Niparaya regiscorona | molluscs | | | |
| Mollusca | Gastropoda | Oppomorus noduliferus | molluscs | | | |
| Mollusca | Gastropoda | Petalochonchus keenae | molluscs | | yes | |
| Mollusca | Gastropoda | Phanerophthalmus paulayi | molluscs | | yes | |
| Mollusca | Gastropoda | Phyllidiella pustulosa | molluscs | | | pustulose wart slug |
| Mollusca | Gastropoda | Pinufius rebus | molluscs | | yes | |
| Mollusca | Gastropoda | Pleurobranchus albiguttatus | molluscs | | | |
| Mollusca | Gastropoda | Pleurobranchus peronii | molluscs | | | |
| Mollusca | Gastropoda | Pleurobranchus varians | molluscs | | yes | |
| Mollusca | Gastropoda | Scutus forsythi | molluscs | | | |
| Mollusca | Gastropoda | Stylocheilus striatus | molluscs | | | |
| Mollusca | Gastropoda | Tylodina perversa | molluscs | | yes | yellow umbrella slug, tylodine jaune |
| Mollusca | Gastropoda | Verconia haliiclona | molluscs | | yes | |

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|------------|------------------|---------------------------------------|-------------|----------|-----|---|
| Mollusca | Gastropoda | Volvatella viridis | molluscs | | yes | |
| Myxozoa | Dinophyceae | Amphidinium operculatum | unicellular | | yes | |
| Ochrophyta | Bolidophyceae | Triparma laevis | algae | | yes | |
| Ochrophyta | Dictyochophyceae | Octactis octonaria | algae | | yes | |
| Ochrophyta | Dictyochophyceae | Pseudochattonella farcimen | algae | | yes | |
| Ochrophyta | Dictyochophyceae | Vicicitus globosus | algae | | yes | |
| Ochrophyta | Pelagophyceae | Aureococcus anophagefferens | algae | | yes | |
| Ochrophyta | Pelagophyceae | Pelagomonas calceolata | algae | | yes | |
| Ochrophyta | Phaeophyceae | Acinetospora filamentosa | algae | | yes | |
| Ochrophyta | Phaeophyceae | Canistrocarpus cervicornis | algae | | yes | |
| Ochrophyta | Phaeophyceae | Cladosiphon okamuranus | algae | | yes | |
| Ochrophyta | Phaeophyceae | Colpomenia claytoniae | algae | | yes | |
| Ochrophyta | Phaeophyceae | Colpomenia sinuosa | algae | | yes | |
| Ochrophyta | Phaeophyceae | Dactylosiphon bullosus | algae | | yes | |
| Ochrophyta | Phaeophyceae | Dictyota acutiloba | algae | | | |
| Ochrophyta | Phaeophyceae | Dictyota ciliolata | algae | | | |
| Ochrophyta | Phaeophyceae | Dictyota intermedia | algae | | | |
| Ochrophyta | Phaeophyceae | Dictyota mayae | algae | | yes | |
| Ochrophyta | Phaeophyceae | Feldmannia mitchelliae | algae | | yes | |
| Ochrophyta | Phaeophyceae | Hydroclathrus clathratus | algae | | | |
| Ochrophyta | Phaeophyceae | Hydroclathrus tilesii | algae | | yes | |
| Ochrophyta | Phaeophyceae | Lobophora rickeri | algae | | yes | |
| Ochrophyta | Phaeophyceae | Lobophora rosacea | algae | | yes | |
| Ochrophyta | Phaeophyceae | Lobophora sonderi | algae | | yes | |
| Ochrophyta | Phaeophyceae | Microspongium stilophorae | algae | | yes | |
| Ochrophyta | Phaeophyceae | Nemacystus decipiens | algae | | yes | |
| Ochrophyta | Phaeophyceae | Neoralsia expansa | algae | | yes | |
| Ochrophyta | Phaeophyceae | Padina gymnospora | algae | | | |
| Ochrophyta | Phaeophyceae | Pseudochnoospora implexa | algae | | | |
| Ochrophyta | Phaeophyceae | Pseudolithoderma roscoffense | algae | | yes | |
| Ochrophyta | Phaeophyceae | Punctaria latifolia | algae | | yes | |
| Ochrophyta | Phaeophyceae | Rosenvingea intricata | algae | | yes | |
| Ochrophyta | Phaeophyceae | Rugulopteryx marginata | algae | | yes | |
| Ochrophyta | Phaeophyceae | Sargassum aquifolium | algae | | yes | |
| Ochrophyta | Phaeophyceae | Sargassum polycystum | algae | | yes | |
| Ochrophyta | Phaeophyceae | Sirophysalis trinodis | algae | | | |
| Ochrophyta | Pinguiphyceae | Pinguicoccus pyrenoidosus | algae | | yes | |
| Oomycota | | Anisulpidium rosenvingei | fungi | | yes | |
| Porifera | Demospongiae | Biemna fistulosa | sponges | | yes | stinging tube sponge |
| Porifera | Demospongiae | Callyspongia (Cladochalina) diffusa | sponges | | yes | |
| Porifera | Demospongiae | Callyspongia (Cladochalina) plicifera | sponges | | yes | |
| Porifera | Demospongiae | Chelonaplysilla erecta | sponges | | yes | |
| Porifera | Demospongiae | Cladocroce burapha | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Thalysias) curacaoensis | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Thalysias) reinwardti | sponges | | yes | |
| Porifera | Demospongiae | Clathria (Wilsonella) rugosa | sponges | | yes | |
| Porifera | Demospongiae | Cliona celata | sponges | | yes | boring sponge, clone jaune |
| Porifera | Demospongiae | Cliona vermifera | sponges | | yes | orange boring sponge |
| Porifera | Demospongiae | Cliothisa delitrix | sponges | | yes | |
| Porifera | Demospongiae | Desmacella austini | sponges | | yes | encrusting horny sponge, éponge encroûtée |

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|------------|-----------------|-------------------------------------|---------|----------|-----|---------------------------------------|
| Porifera | Demospongiae | Desmapsamma anchorata | sponges | | yes | |
| Porifera | Demospongiae | Dictyodendrilla cavernosa | sponges | | yes | |
| Porifera | Demospongiae | Gelliodes wilsoni | sponges | | yes | |
| Porifera | Demospongiae | Halichondria (Halichondria) okadai | sponges | | yes | |
| Porifera | Demospongiae | Halichondria (Halichondria) panicea | sponges | | yes | breadcrumb sponge |
| Porifera | Demospongiae | Haliclona (Gellius) amboinensis | sponges | | yes | |
| Porifera | Demospongiae | Haliclona (Reniera) tubifera | sponges | | yes | |
| Porifera | Demospongiae | Halisarca dujardinii | sponges | | yes | soft horny sponge, éponge de Dujardin |
| Porifera | Demospongiae | Hooperia anfractuosa | sponges | | yes | |
| Porifera | Demospongiae | Mycale (Carmia) cecilia | sponges | | yes | |
| Porifera | Demospongiae | Phorbas clathratus | sponges | | yes | |
| Porifera | Demospongiae | Pione vastifica | sponges | | yes | boring sponge, clone rouge |
| Porifera | Demospongiae | Polymastia atlantica | sponges | | yes | |
| Porifera | Demospongiae | Pseudoceratina purpurea | sponges | | yes | |
| Porifera | Demospongiae | Sigmaxinella hipposiderus | sponges | | yes | |
| Porifera | Demospongiae | Sollasella moretonensis | sponges | | yes | |
| Porifera | Demospongiae | Tedania (Tedania) ignis | sponges | | yes | |
| Porifera | Demospongiae | Tedania (Tedania) tubulifera | sponges | | yes | |
| Porifera | Demospongiae | Theonella swinhoei | sponges | | yes | |
| Rhodophyta | Bangiophyceae | Neoporphyra haitanensis | algae | | yes | |
| Rhodophyta | Florideophyceae | Acanthophora dendroides | algae | | yes | |
| Rhodophyta | Florideophyceae | Acanthophora spicifera | algae | | | |
| Rhodophyta | Florideophyceae | Acrochaetium humile | algae | | yes | |
| Rhodophyta | Florideophyceae | Acrochaetium plumosum | algae | | yes | |
| Rhodophyta | Florideophyceae | Aglaothamnion callophyllidicola | algae | | yes | |
| Rhodophyta | Florideophyceae | Amansia fimbriolia | algae | | yes | |
| Rhodophyta | Florideophyceae | Antithamnion antillanum | algae | | yes | |
| Rhodophyta | Florideophyceae | Asparagopsis taxiformis | algae | | | |
| Rhodophyta | Florideophyceae | Asteromenia anastomosans | algae | | | |
| Rhodophyta | Florideophyceae | Asteromenia pseudocoalescens | algae | | | |
| Rhodophyta | Florideophyceae | Austrokalymenia rebecca | algae | | | |
| Rhodophyta | Florideophyceae | Austrokalymenia rosea | algae | | | |
| Rhodophyta | Florideophyceae | Botryocladia leptopoda | algae | | | |
| Rhodophyta | Florideophyceae | Callophyllis nana | algae | | | |
| Rhodophyta | Florideophyceae | Centroceras clavulatum | algae | | yes | |
| Rhodophyta | Florideophyceae | Ceratodictyon scoparium | algae | | yes | |
| Rhodophyta | Florideophyceae | Chondria armata | algae | | | |
| Rhodophyta | Florideophyceae | Corallina ferreyrae | algae | | yes | |
| Rhodophyta | Florideophyceae | Crassitegula imitans | algae | | | |
| Rhodophyta | Florideophyceae | Crouania attenuata | algae | | yes | |
| Rhodophyta | Florideophyceae | Cryptopleura ramosa | algae | | yes | |
| Rhodophyta | Florideophyceae | Dudresnaya hawaiiensis | algae | | | |
| Rhodophyta | Florideophyceae | Eucheuma serra | algae | | | |
| Rhodophyta | Florideophyceae | Galaxaura rugosa | algae | | | |
| Rhodophyta | Florideophyceae | Ganonema farinosum | algae | | | |
| Rhodophyta | Florideophyceae | Gelidiella acerosa | algae | | | |
| Rhodophyta | Florideophyceae | Gelidium johnstonii | algae | | yes | |
| Rhodophyta | Florideophyceae | Gibsmithia dotyi | algae | | | |
| Rhodophyta | Florideophyceae | Halichrysis micans | algae | | | |
| Rhodophyta | Florideophyceae | Haloplegma duperreyi | algae | | | |

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|------------|-----------------|---------------------------------|-------|----------|-----|------------|
| Rhodophyta | Florideophyceae | Helminthocladia australis | algae | | | |
| Rhodophyta | Florideophyceae | Heterosiphonia crassipes | algae | | | |
| Rhodophyta | Florideophyceae | Hydropuntia perplexa | algae | | | |
| Rhodophyta | Florideophyceae | Hypnea cervicornis | algae | | | |
| Rhodophyta | Florideophyceae | Hypnea valentiae | algae | | yes | |
| Rhodophyta | Florideophyceae | Laurencia dendroidea | algae | | | |
| Rhodophyta | Florideophyceae | Laurencia pacifica | algae | | yes | |
| Rhodophyta | Florideophyceae | Liagora ceranoides | algae | | | |
| Rhodophyta | Florideophyceae | Liagora mannarensis | algae | | yes | |
| Rhodophyta | Florideophyceae | Melyvonnea erubescens | algae | | yes | |
| Rhodophyta | Florideophyceae | Meredithia guiryorum | algae | | | |
| Rhodophyta | Florideophyceae | Meristotheca procumbens | algae | | | |
| Rhodophyta | Florideophyceae | Neogoniolithon brassica-florida | algae | | yes | |
| Rhodophyta | Florideophyceae | Palisada parvipapillata | algae | | yes | |
| Rhodophyta | Florideophyceae | Platoma cyclocolpum | algae | | | |
| Rhodophyta | Florideophyceae | Plocamium cartilagineum | algae | | | |
| Rhodophyta | Florideophyceae | Plocamium hamatum | algae | | | |
| Rhodophyta | Florideophyceae | Polysiphonia stricta | algae | | yes | |
| Rhodophyta | Florideophyceae | Pterocladia lucida | algae | | | |
| Rhodophyta | Florideophyceae | Pteroclatiella beachiae | algae | | yes | |
| Rhodophyta | Florideophyceae | Pteroclatiella capillacea | algae | | | |
| Rhodophyta | Florideophyceae | Rhodachlya hawaiiiana | algae | | yes | |
| Rhodophyta | Florideophyceae | Rhodymenia insularis | algae | | | |
| Rhodophyta | Florideophyceae | Rhodymenia novazelandica | algae | | | |
| Rhodophyta | Florideophyceae | Sarcodia ciliata | algae | | | |
| Rhodophyta | Florideophyceae | Spyridia filamentosa | algae | | yes | |
| Rotifera | Eurotatoria | Adineta steineri | | | yes | |