

## Systematic review of the scientific literature (PRISMA)

### Methodology

The stepwise approach of PRISMA was applied as follows: The original review (Fig. S1.1) was carried out in October – November 2022, whereas a review update (Fig. S1.2) was undertaken in May 2023 to collect any additional literature that had been published in 2023. First, a separate search for each non-native fish species in the Google Scholar database (<https://scholar.google.com>) was performed, targeting all the published literature, with “<species name>” and “Aegean Sea” in the title, abstract or keywords, including the whole text. The non-native fish species selected to search the literature for, were those included in the Appendix 1 by Zenetos et al. (2022) on non-indigenous species in the Mediterranean Sea. The search resulted in a total of 17990 publications (including duplicates, i.e., publications that appeared in multiple searches because they contained information for more than one species). Subsequently, the titles and abstracts of the publications were screened. The publications selected were those that satisfied the criteria set, i.e., publications that contained information on records of non-native fish species located within the four subareas of the study area, including records in Turkish territorial waters. This initial selection of potentially relevant literature consisted of a total of 811 publications (including duplicates). Lastly, the final selection of the relevant publications was made based on the information in the whole text. The final database that contained spatial - temporal information on the occurrence of non-native fish species in the study area, consisted of a total of 58 unique publications, mainly papers in scientific journals, but also a few articles in conference proceedings and one scientific meeting report. The database was managed with the open-source reference management tool Zotero (<https://www.zotero.org>). The dates of the search sessions and the publications selected at each step of the review for each non-native species are presented in Table S1.1.

### Data cleaning notes

A few non-native species records in the selected literature were from misidentified species, or species currently synonymized. Accordingly, *Champsodon capensis*, *Champsodon vorax*, *Pteragogus pelycus*, *Etrumeus teres*, *Liza haematocheilus*, *Pempheris vanicolensis*, and *Bregmaceros atlanticus* were included in the review results with their currently accepted names. Moreover, *Plectrolynchus gatterinus* and *Tylosurus crocodilus* were excluded from the list because their records were deemed debatable. Moreover, *Tetrodon spadiceus* is not unanimously considered to occur in the Mediterranean Sea and *Sphoeroides pachygaster* is regarded by some experts as a not true non-native species, nevertheless both species were included in the final review non-native species list (the first with the current name: *Lagocephalus spadiceus*). Detailed notes on literature review data cleaning are included in Online Resource 1.

The *Bregmaceros atlanticus* records by Filiz et al. (2007) and Aydin and Akyol (2013) were considered misidentifications of *Bregmaceros nectabanus*, as it has been shown that the latter species is the only one of the genus *Bregmaceros* occurring in the Mediterranean (Harold and Golani, 2016). The review results also included records of *Champsodon capensis* (Kebapcioglu and Dereli in Mytilineou et al. 2016) and *Champsodon vorax* (Aydin and Akyol 2015). However, as *Champsodon nudivittis* has been shown to be the sole *Champsodon* species to have migrated in the Eastern Mediterranean (Stern et al. 2019), the *C. capensis* and *C. vorax* records were regarded as misidentified *C. nudivittis* records. Dibattista et al. (2012) claimed that all *Etrumeus teres* specimens from the Red Sea and the Eastern Mediterranean belong to *Etrumeus golanii*. Accordingly, the record of *E. teres* by Yarnaz et al. (2010) was regarded as an *E. golanii* record. As *Liza haematocheilus* and *Planiliza haematocheila* are synonyms of *Planiliza haematocheilus* (WoRMS Editorial Board, 2023), the respective records by Minos et al. (2010) and Katsanevakis et al. (2020) were regarded as *P. haematocheilus* records. The *Pempheris vanicolensis* record by Tzomos et al. (2010) was considered a misidentification of *Pempheris rhomboidea*, as it has been shown by Azzuro et al. (2015) that the latter species is the only Lessepsian *Pempheris* species in the Mediterranean. The review results also included a record of *Pteragogus pelycus* (Yapici et al. 2015), for which Randall (2013) claimed that it does not inhabit the Mediterranean waters. Accordingly, the *P. pelycus* record found was considered a misidentification of *Pteragogus trispilus*.

*Plectrolynchus gatterinus* and *Tylosurus crocodilus* were excluded from the final non-native species list because their records were considered debatable: A single specimen of *P. gatterinus*, a native of the Red Sea and the Western Indian Ocean (Golani et al. 2021), has been recorded in the study area, in the stomach of a squid (*Loligo vulgaris*), in the Thracian Sea, in 2015 (Corsini-Foka and Sarlis 2016). That has been the sole record of the species in the Mediterranean Sea (Golani et al. 2021). Accordingly, its status in Greece was regarded as debatable in Zenetos et al. (2018) and its presence in the Mediterranean as doubtful in Golani et al. (2021), whereas no reference to this species was made in Zenetos et al. (2022). *Tylosurus crocodilus* was recorded in Toronaio Gulf, in 2003 (Sinis 2005), but its identification was regarded by Ismiridou et al. (2016) as questionable. An earlier record of the species in Lebanon by George et al. (1964), notably different in morphology from the specimen from Greece (Ismiridou et al. 2016), was regarded in Zenetos et al. (2022) and Golani et al. (2021) as a misidentification of the also non-native in the Mediterranean species *Tylosurus chorum*. Generally, discrimination of *Tylosurus* species is difficult because of subtle morphological differences (Ismiridou et al. 2016). Nevertheless, *T. crocodilus* was included among the casual non-native species in Greece in Zenetos et al. (2018).

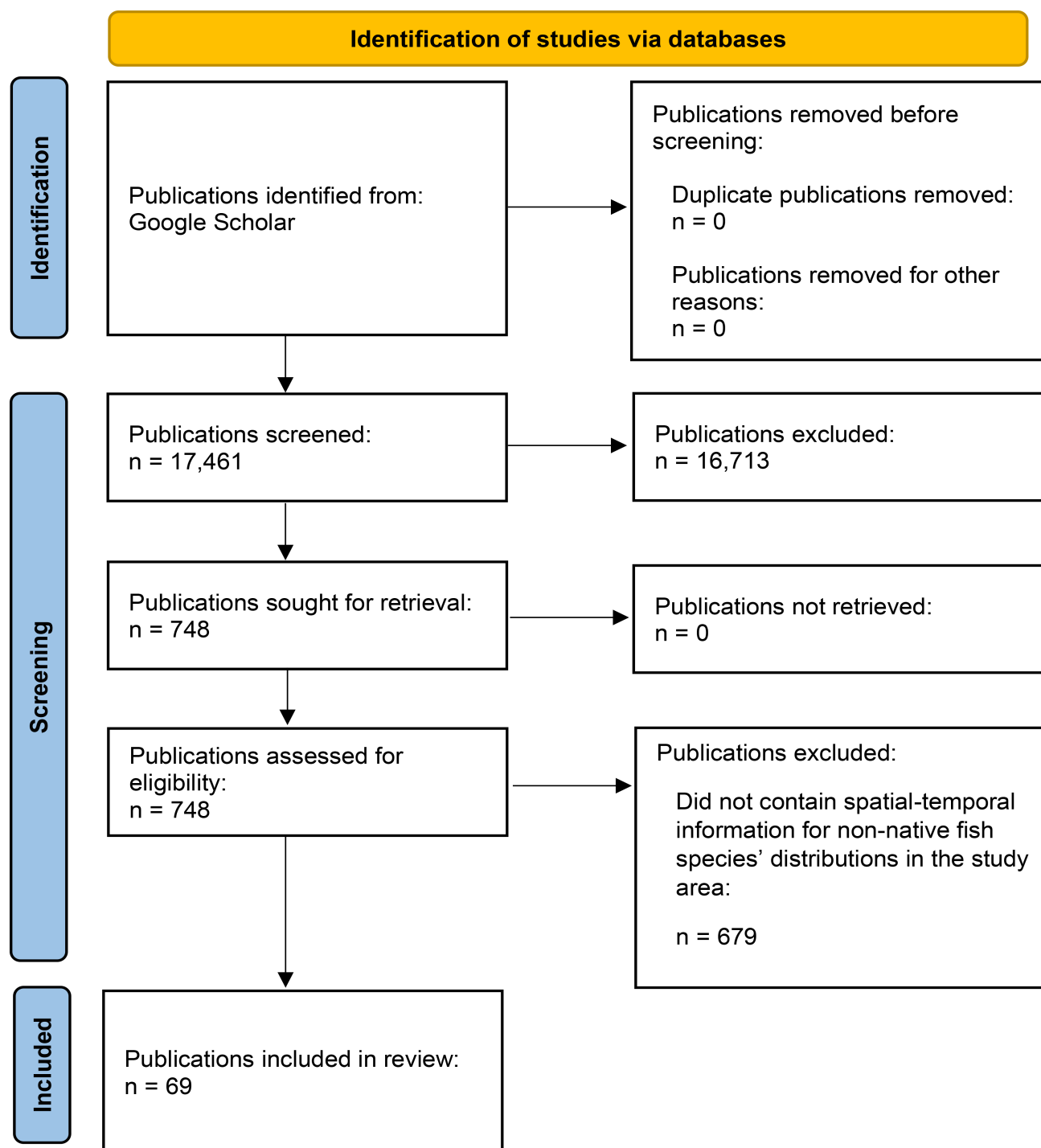
We included in the final non-native species list *Tetrodon spadiceus* (as *Lagocephalus spadiceus*) and *Sphoeroides pachygaster* although they are not considered unanimously as non-native in the Mediterranean Sea: The name *T. spadiceus* given to a pufferfish specimen recorded off Samos Island in 1952 by Ananiadis (1952) is currently regarded as a synonym of *L. spadiceus* (WoRMS Editorial Board 2023). The presence of *L. spadiceus* in Greece was verified recently, using DNA sequencing, for a specimen found in Crete, in 2016 (Kiparissis et al. 2018). However, the genus *Lagocephalus* has not been comprehensively reviewed yet (Matsuura 2015) and *L. spadiceus* is morphologically very similar to *Lagocephalus guentheri*, another non-native

pufferfish species that has been recorded in the Eastern Mediterranean, including the Thracian Sea (this study). *Lagocephalus spadiceus* was regarded as a synonym of *L. guentheri* by Zenetos et al. (2017) and Golani et al. (2021), and no reference was made to *L. spadiceus* in Zenetos et al. (2018), or Zenetos et al. (2022). Nevertheless, no nomenclatural changes have yet been established and they are still considered to be two distinct species, and accordingly both species were included in the final species list. *Sphoeroides pachygaster* has a world-wide native distribution range (GBIF Secretariat 2023). It was first recorded as *Sphoeroides cutaneus* at Mallorca, West Mediterranean, in 1981 (Oliver 1981). The subsequent records of the species provide evidence for a gradual spread of its distribution across the Mediterranean, up to the Levantine (Golani et al. 2021). *Sphoeroides pachygaster* entered the Mediterranean via the Gibraltar strait and has been regarded by Evans et al. (2020) as a range-expanding species. Moreover, according to an alternative view it is in fact indigenous in the Mediterranean, as there is an alleged historical record of the species in Egypt (Rellini and Orsi-Rellini 1995). However, *S. pachygaster* has been included by Golani et al. (2021) in the established non-native fish species in the Mediterranean, and range-expanding species also deserve tracing (Azzurro et al. 2022). Accordingly, we chose to include the species in the final list.

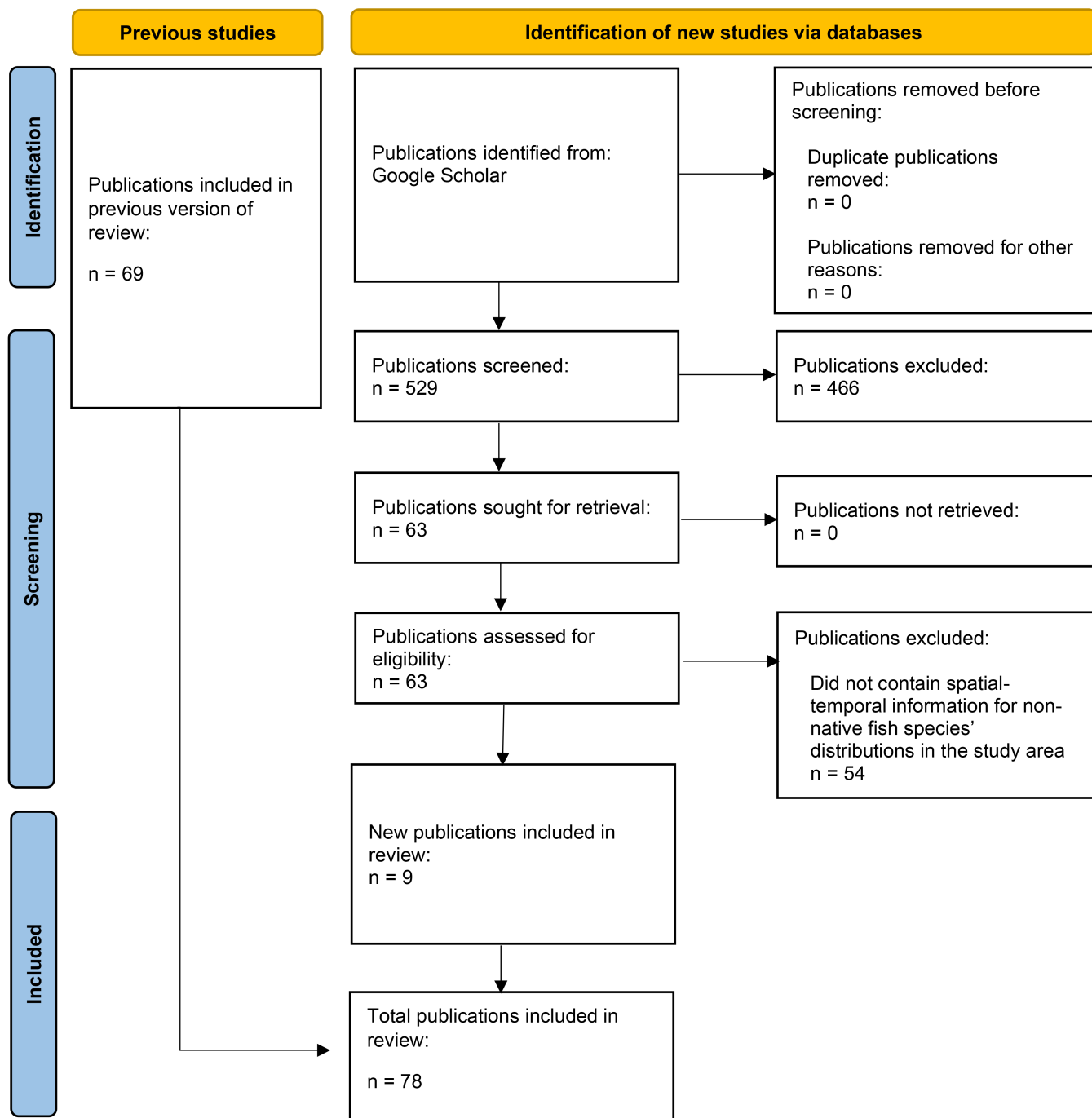
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**Supplementary Figure 1.1** PRISMA 2020 flow diagram for the original systematic review of the scientific literature. Publications numbers represent combinations of publications x species. The figure was based on the template provided by Page et al. (2021).



**Supplementary Figure 1.2** PRISMA 2020 flow diagram for the updated systematic review of the scientific literature. Publications numbers represent combinations of publications x species. The figure was based on the template provided by Page et al. (2021).

**Table S1.1** PRISMA systematic review of the scientific literature: search statistics.

| Non-native species                   | Search date | Original search  |                                  |                                  | Search date | Search update    |                                  |                                  |
|--------------------------------------|-------------|------------------|----------------------------------|----------------------------------|-------------|------------------|----------------------------------|----------------------------------|
|                                      |             | Records screened | Reports assessed for eligibility | Total studies included in review |             | Records screened | Reports assessed for eligibility | Total studies included in review |
| <i>Ablennes hians</i>                | 10/11/2022  | 22               | 1                                |                                  | 26/5/2023   | 3                |                                  |                                  |
| <i>Abudefduf hoefleri</i>            | 24/11/2022  | 10               |                                  |                                  | 28/5/2023   | 3                |                                  |                                  |
| <i>Abudefduf sexfasciatus</i>        | 27/10/2022  | 32               | 5                                |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Abudefduf vaigiensis</i>          | 13/11/2022  | 82               |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Acanthopagrus bifasciatus</i>     | 13/11/2022  | 55               | 1                                | 1                                | 26/5/2023   | 1                |                                  |                                  |
| <i>Acanthostracion polygonius</i>    | 18/11/2022  | 3                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Acanthurus cfr gahhm</i>          | 18/11/2022  | 5                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Acanthurus chirurgus</i>          | 18/11/2022  | 30               |                                  |                                  | 26/5/2023   | 1                |                                  |                                  |
| <i>Acanthurus coeruleus</i>          | 10/11/2022  | 12               | 1                                |                                  | 26/5/2023   | 1                |                                  |                                  |
| <i>Acanthurus monroviae</i>          | 24/11/2022  | 51               | 2                                |                                  | 28/5/2023   | 2                |                                  |                                  |
| <i>Acanthurus sohal</i>              | 27/10/2022  | 34               | 3                                |                                  | 28/5/2023   | 1                |                                  |                                  |
| <i>Acanthurus xanthopterus</i>       | 18/11/2022  | 7                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Agonus cataphractus</i>           | 16/11/2022  | 33               |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Alepes djedaba</i>                | 27/10/2022  | 150              | 13                               |                                  | 28/5/2023   | 7                |                                  |                                  |
| <i>Aluterus monoceros</i>            | 24/11/2022  | 31               |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Ambassis dussumieri</i>           | 10/11/2022  | 3                |                                  |                                  | 26/5/2023   | 1                |                                  |                                  |
| <i>Anarhichas lupus</i>              | 24/11/2022  | 59               |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Anguilla japonica</i>             | 24/11/2022  | 167              | 6                                |                                  | 28/5/2023   | 8                | 1                                |                                  |
| <i>Aphanius dispar</i>               | 24/11/2022  | 94               |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Apogon atradorsatus</i>           | 24/11/2022  | 4                |                                  |                                  | 28/5/2023   | 1                |                                  |                                  |
| <i>Apogonichthyoides pharaonis</i>   | 27/10/2022  | 46               | 4                                |                                  | 28/5/2023   | 2                |                                  |                                  |
| <i>Argyrops filamentosus</i>         | 18/11/2022  | 25               | 1                                |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Arnoglossus nigrofilamentosus</i> | 16/11/2022  | 8                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Arothron hispidus</i>             | 16/11/2022  | 58               | 1                                |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Atherinomorus forskalii</i>       | 27/10/2022  | 55               | 6                                |                                  | 28/5/2023   | 2                |                                  |                                  |
| <i>Balistes punctatus</i>            | 18/11/2022  | 1                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Balistoides conspicillum</i>      | 18/11/2022  | 8                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Bathygobius cyclopterus</i>       | 18/11/2022  | 2                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Beryx splendens</i>               | 24/11/2022  | 108              |                                  |                                  | 28/5/2023   | 2                |                                  |                                  |
| <i>Bodianus speciosus</i>            | 18/11/2022  | 7                | 1                                | 1                                | 26/5/2023   |                  |                                  |                                  |
| <i>Bregmaceros nectabanus</i>        | 27/10/2022  | 41               | 7                                | 3                                | 28/5/2023   | 1                |                                  |                                  |
| <i>Caesio varilineata</i>            | 10/11/2022  | 7                |                                  |                                  | 26/5/2023   |                  |                                  |                                  |
| <i>Callionymus filamentosus</i>      | 27/10/2022  | 112              | 8                                |                                  | 28/5/2023   | 3                |                                  |                                  |
| <i>Carcharhinus altimus</i>          | 24/11/2022  | 87               | 2                                |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Carcharhinus falciformis</i>      | 24/11/2022  | 138              |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Carlarius parkii</i>              | 24/11/2022  | 2                |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Centrolabrus exoletus</i>         | 24/11/2022  | 23               |                                  |                                  | 28/5/2023   |                  |                                  |                                  |
| <i>Cephalopholis hemistiktos</i>     | 18/11/2022  | 7                |                                  |                                  | 26/5/2023   | 1                |                                  |                                  |
| <i>Cephalopholis nigri</i>           | 18/11/2022  | 4                |                                  |                                  | 26/5/2023   | 1                |                                  |                                  |

|                                        |            |     |    |   |           |    |
|----------------------------------------|------------|-----|----|---|-----------|----|
| <i>Cephalopholis taeniops</i>          | 24/11/2022 | 101 | 5  | 1 | 28/5/2023 |    |
| <i>Chaetodipterus faber</i>            | 18/11/2022 | 58  | 1  |   | 26/5/2023 | 4  |
| <i>Chaetodon auriga</i>                | 18/11/2022 | 11  |    |   | 26/5/2023 |    |
| <i>Chaetodon austriacus</i>            | 18/11/2022 | 20  |    |   | 26/5/2023 |    |
| <i>Chaetodon larvatus</i>              | 18/11/2022 | 18  | 1  |   | 26/5/2023 |    |
| <i>Champsodon capensis</i>             | 27/10/2022 | 29  | 3  | 1 | 28/5/2023 |    |
| <i>Champsodon nudivittis</i>           | 2/10/2022  | 78  | 14 | 2 | 28/5/2023 | 2  |
| <i>Champsodon vorax</i>                | 24/11/2022 | 56  | 4  | 2 | 28/5/2023 | 1  |
| <i>Chanos chanos</i>                   | 16/11/2022 | 227 | 3  |   | 26/5/2023 | 7  |
| <i>Chaunax suttkusi</i>                | 24/11/2022 | 17  |    |   | 28/5/2023 |    |
| <i>Cheilodipterus novemstriatus</i>    | 13/11/2022 | 58  | 1  |   | 26/5/2023 |    |
| <i>Cheilopogon furcatus</i>            | 24/11/2022 | 21  |    |   | 28/5/2023 |    |
| <i>Chilomycterus reticulatus</i>       | 24/11/2022 | 27  |    |   | 28/5/2023 |    |
| <i>Chirocentrus dorab</i>              | 24/11/2022 | 34  |    |   | 28/5/2023 | 1  |
| <i>Chlorurus rhakoura</i>              | 18/11/2022 | 8   |    |   | 26/5/2023 |    |
| <i>Chrysiptera cyanea</i>              | 18/11/2022 | 19  |    |   | 26/5/2023 |    |
| <i>Chrysiptera hemicyanea</i>          | 18/11/2022 | 5   |    |   | 26/5/2023 |    |
| <i>Coryogalops ocheticus</i>           | 24/11/2022 | 5   |    |   | 28/5/2023 | 1  |
| <i>Crenidens crenidens</i>             | 10/11/2022 | 65  | 2  |   | 26/5/2023 | 3  |
| <i>Cryptocentrus caeruleopunctatus</i> | 10/11/2022 | 23  | 1  |   | 26/5/2023 |    |
| <i>Cryptocentrus steinhardtii</i>      | 10/11/2022 | 3   |    |   | 26/5/2023 |    |
| <i>Cyclichthys spilostylus</i>         | 10/11/2022 | 40  | 2  |   | 26/5/2023 |    |
| <i>Cyclopterus lumpus</i>              | 18/11/2022 | 70  | 2  |   | 26/5/2023 | 4  |
| <i>Cynoglossus sinusarabici</i>        | 11/11/2022 | 64  | 2  |   | 26/5/2023 |    |
| <i>Dasyatis marmorata</i>              | 24/11/2022 | 65  |    |   | 28/5/2023 | 1  |
| <i>Decapterus russelli</i>             | 11/11/2022 | 108 | 1  |   | 26/5/2023 |    |
| <i>Diodon hystrix</i>                  | 16/11/2022 | 59  |    |   | 26/5/2023 | 1  |
| <i>Diplodus bellottii</i>              | 24/11/2022 | 50  |    |   | 28/5/2023 | 2  |
| <i>Diplogrammus randalli</i>           | 18/11/2022 | 12  | 1  |   | 26/5/2023 |    |
| <i>Dipterygonotus balteatus</i>        | 18/11/2022 | 7   |    |   | 26/5/2023 |    |
| <i>Dussumieria elopsoidea</i>          | 11/11/2022 | 77  | 1  |   | 26/5/2023 | 4  |
| <i>Elates ransonnetii</i>              | 16/11/2022 | 8   |    |   | 26/5/2023 |    |
| <i>Enchelycore anatina</i>             | 24/11/2022 | 116 | 4  | 1 | 28/5/2023 |    |
| <i>Encrasicholina gloria</i>           | 10/11/2022 | 2   |    |   | 26/5/2023 | 1  |
| <i>Encrasicholina punctifer</i>        | 24/11/2022 | 26  |    |   | 28/5/2023 | 2  |
| <i>Epinephelus areolatus</i>           | 10/11/2022 | 56  | 3  |   | 26/5/2023 | 1  |
| <i>Epinephelus coioides</i>            | 10/11/2022 | 193 | 2  |   | 26/5/2023 | 10 |
| <i>Epinephelus fasciatus</i>           | 18/11/2022 | 58  | 3  |   | 26/5/2023 | 3  |
| <i>Epinephelus geoffroyi</i>           | 18/11/2022 | 7   |    |   | 26/5/2023 |    |
| <i>Epinephelus malabaricus</i>         | 10/11/2022 | 77  |    |   | 26/5/2023 | 2  |
| <i>Epinephelus merra</i>               | 18/11/2022 | 26  |    |   | 26/5/2023 | 1  |
| <i>Equulites klunzingeri</i>           | 27/10/2022 | 74  | 9  |   | 28/5/2023 | 3  |
| <i>Equulites popei</i>                 | 10/11/2022 | 7   |    |   | 26/5/2023 | 1  |
| <i>Etrumeus golanii</i>                | 7/10/2022  | 71  | 9  | 2 | 28/5/2023 | 7  |
| <i>Favonigobius melanobranchus</i>     | 18/11/2022 | 9   |    |   | 26/5/2023 |    |
| <i>Fistularia commersonii</i>          | 13/10/2022 | 434 | 25 | 4 | 28/5/2023 | 16 |

|                                     |            |     |    |   |           |    |   |
|-------------------------------------|------------|-----|----|---|-----------|----|---|
| <i>Fistularia petimba</i>           | 27/10/2022 | 54  | 8  | 1 | 28/5/2023 | 3  |   |
| <i>Galeocerdo cuvier</i>            | 24/11/2022 | 154 | 4  |   | 28/5/2023 | 6  | 1 |
| <i>Gephyroberyx darwinii</i>        | 24/11/2022 | 9   |    |   | 28/5/2023 | 1  |   |
| <i>Glaucostegus halavi</i>          | 18/11/2022 | 23  |    |   | 26/5/2023 |    |   |
| <i>Gymnammodytes semisquamatus</i>  | 24/11/2022 | 31  |    |   | 28/5/2023 |    |   |
| <i>Gymnothorax reticularis</i>      | 18/11/2022 | 11  |    |   | 26/5/2023 |    |   |
| <i>Halosaurus ovenii</i>            | 24/11/2022 | 21  |    |   | 28/5/2023 | 1  |   |
| <i>Hazeus ingressus</i>             | 16/11/2022 | 12  | 1  |   | 26/5/2023 | 1  |   |
| <i>Hemiramphus far</i>              | 27/10/2022 | 156 | 8  | 2 | 28/5/2023 | 4  |   |
| <i>Heniochus intermedius</i>        | 11/11/2022 | 56  | 1  |   | 26/5/2023 |    |   |
| <i>Herklotsichthys punctatus</i>    | 11/11/2022 | 94  | 4  |   | 26/5/2023 | 1  |   |
| <i>Heteropriacanthus cruentatus</i> | 24/11/2022 | 26  |    |   | 28/5/2023 |    |   |
| <i>Himantura leoparda</i>           | 10/11/2022 | 24  | 1  |   | 26/5/2023 |    |   |
| <i>Himantura uarnak</i>             | 11/11/2022 | 117 | 6  |   | 26/5/2023 | 5  |   |
| <i>Hippocampus fuscus</i>           | 11/11/2022 | 62  | 2  |   | 26/5/2023 |    |   |
| <i>Holacanthus africanus</i>        | 18/11/2022 | 6   |    |   | 26/5/2023 |    |   |
| <i>Holacanthus bermudensis</i>      | 18/11/2022 | 0   |    |   | 26/5/2023 |    |   |
| <i>Holacanthus ciliaris</i>         | 16/11/2022 | 27  |    |   | 26/5/2023 | 1  |   |
| <i>Holocentrus adscensionis</i>     | 18/11/2022 | 20  | 2  |   | 26/5/2023 | 4  |   |
| <i>Hyporhamphus affinis</i>         | 10/11/2022 | 23  | 2  |   | 26/5/2023 |    |   |
| <i>Iniistius pavo</i>               | 24/11/2022 | 27  | 1  |   | 28/5/2023 |    |   |
| <i>Istiblennius meleagris</i>       | 10/11/2022 | 5   |    |   | 26/5/2023 |    |   |
| <i>Istiompax indica</i>             | 24/11/2022 | 31  |    |   | 28/5/2023 |    |   |
| <i>Isurus paucus</i>                | 24/11/2022 | 37  |    |   | 28/5/2023 |    |   |
| <i>Jaydia queketti</i>              | 10/11/2022 | 17  |    |   | 26/5/2023 | 1  |   |
| <i>Jaydia smithi</i>                | 10/11/2022 | 22  | 1  |   | 26/5/2023 | 3  |   |
| <i>Kyphosus incisor</i>             | 24/11/2022 | 13  |    |   | 28/5/2023 |    |   |
| <i>Kyphosus sectator</i>            | 24/11/2022 | 13  |    |   | 28/5/2023 |    |   |
| <i>Lactophrys triqueter</i>         | 24/11/2022 | 6   |    |   | 28/5/2023 |    |   |
| <i>Lagocephalus guentheri</i>       | 1/10/2022  | 63  | 13 | 1 | 28/5/2023 | 3  |   |
| <i>Lagocephalus scleratus</i>       | 14/10/2022 | 682 | 47 | 9 | 28/5/2023 | 24 | 5 |
| <i>Lagocephalus suezensis</i>       | 27/10/2022 | 219 | 11 |   | 28/5/2023 | 5  | 1 |
| <i>Leiognathus berbis</i>           | 24/11/2022 | 8   |    |   | 28/5/2023 | 1  |   |
| <i>Liza carinata</i>                | 13/11/2022 | 151 | 3  |   | 26/5/2023 |    |   |
| <i>Liza haematocheilus</i>          | 24/11/2022 | 54  | 2  | 1 | 26/5/2023 |    |   |
| <i>Lutjanus argentimaculatus</i>    | 11/11/2022 | 106 | 5  | 2 | 26/5/2023 | 3  |   |
| <i>Lutjanus fulviflamma</i>         | 18/11/2022 | 38  | 1  |   | 26/5/2023 |    |   |
| <i>Lutjanus jocu</i>                | 24/11/2022 | 30  |    |   | 28/5/2023 |    |   |
| <i>Lutjanus sebae</i>               | 27/10/2022 | 39  | 2  |   | 28/5/2023 | 2  |   |
| <i>Microchirus boscanion</i>        | 24/11/2022 | 29  |    |   | 28/5/2023 |    |   |
| <i>Microchirus hexophthalmus</i>    | 24/11/2022 | 4   |    |   | 28/5/2023 | 1  |   |
| <i>Monotaxis grandoculis</i>        | 18/11/2022 | 29  | 2  |   | 26/5/2023 | 1  |   |
| <i>Morone saxatilis</i>             | 18/11/2022 | 266 | 5  |   | 26/5/2023 | 9  |   |
| <i>Muraenesox cinereus</i>          | 18/11/2022 | 63  | 2  |   | 26/5/2023 | 2  |   |
| <i>Mycteroperca fusca</i>           | 24/11/2022 | 33  |    |   | 28/5/2023 |    |   |
| <i>Nemipterus randalli</i>          | 13/11/2022 | 201 | 3  | 1 | 26/5/2023 | 11 | 3 |

|                                  |            |     |    |   |           |    |   |
|----------------------------------|------------|-----|----|---|-----------|----|---|
| <i>Omobranchus punctatus</i>     | 10/11/2022 | 46  | 1  |   | 26/5/2023 |    |   |
| <i>Oncorhynchus kisutch</i>      | 18/11/2022 | 288 | 8  | 1 | 26/5/2023 | 11 | 2 |
| <i>Ophioblennius atlanticus</i>  | 18/11/2022 | 27  |    |   | 26/5/2023 |    |   |
| <i>Oplegnathus fasciatus</i>     | 13/11/2022 | 75  | 1  |   | 26/5/2023 |    |   |
| <i>Orthopristis chrysoptera</i>  | 18/11/2022 | 11  |    |   | 26/5/2023 |    |   |
| <i>Ostorhinchus fasciatus</i>    | 10/11/2022 | 26  | 1  |   | 26/5/2023 | 2  |   |
| <i>Ostracion cubicus</i>         | 10/11/2022 | 39  | 2  |   | 26/5/2023 |    |   |
| <i>Oxyurichthys petersii</i>     | 1/10/2022  | 15  | 9  |   | 28/5/2023 | 3  |   |
| <i>Oxyurichthys keiensis</i>     | 18/11/2022 | 1   |    |   | 26/5/2023 |    |   |
| <i>Pagellus bellottii</i>        | 24/11/2022 | 57  | 1  |   | 28/5/2023 |    |   |
| <i>Pagrus major</i>              | 27/10/2022 | 277 | 6  | 1 | 28/5/2023 | 18 | 3 |
| <i>Pampus argenteus</i>          | 18/11/2022 | 174 |    |   | 26/5/2023 |    |   |
| <i>Papilloculiceps longiceps</i> | 18/11/2022 | 13  |    |   | 26/5/2023 |    |   |
| <i>Parablennius thysanurus</i>   | 18/11/2022 | 19  |    |   | 26/5/2023 |    |   |
| <i>Paracanthurus hepatus</i>     | 18/11/2022 | 10  |    |   | 26/5/2023 |    |   |
| <i>Paralichthys lethostigma</i>  | 18/11/2022 | 51  |    |   | 26/5/2023 |    |   |
| <i>Paranthias furcifer</i>       | 27/10/2022 | 31  | 4  | 1 | 28/5/2023 | 1  |   |
| <i>Parexocoetus mento</i>        | 27/10/2022 | 122 | 9  |   | 28/5/2023 | 1  |   |
| <i>Parupeneus forsskali</i>      | 27/10/2022 | 126 | 6  |   | 28/5/2023 | 17 | 4 |
| <i>Pelates quadrilineatus</i>    | 11/11/2022 | 100 |    |   | 26/5/2023 |    |   |
| <i>Pempheris rhomboidea</i>      | 27/10/2022 | 48  | 8  | 1 | 28/5/2023 | 5  | 1 |
| <i>Petroscirtes ancyllodon</i>   | 27/10/2022 | 71  | 8  |   | 28/5/2023 | 2  |   |
| <i>Pinguipes brasilianus</i>     | 16/11/2022 | 42  | 1  |   | 26/5/2023 | 1  |   |
| <i>Pisodonophis semicinctus</i>  | 24/11/2022 | 84  | 3  |   | 28/5/2023 | 2  |   |
| <i>Planiliza haematocheila</i>   | 27/10/2022 | 29  | 3  | 1 | 28/5/2023 | 1  |   |
| <i>Platax teira</i>              | 13/11/2022 | 71  | 2  |   | 26/5/2023 |    |   |
| <i>Platycephalus indicus</i>     | 11/11/2022 | 116 | 3  |   | 26/5/2023 |    |   |
| <i>Plectorhinchus gaterinus</i>  | 27/10/2022 | 24  | 3  | 1 | 28/5/2023 |    |   |
| <i>Plotosus lineatus</i>         | 13/11/2022 | 129 | 3  |   | 26/5/2023 |    |   |
| <i>Pomacanthus imperator</i>     | 10/11/2022 | 42  | 2  |   | 26/5/2023 |    |   |
| <i>Pomacanthus maculosus</i>     | 13/11/2022 | 46  |    |   | 26/5/2023 |    |   |
| <i>Pomadasys stridens</i>        | 11/11/2022 | 125 | 7  | 1 | 26/5/2023 | 3  |   |
| <i>Priacanthus hamrur</i>        | 10/11/2022 | 30  | 2  |   | 26/5/2023 | 2  |   |
| <i>Priacanthus prolixus</i>      | 18/11/2022 | 6   |    |   | 26/5/2023 | 1  |   |
| <i>Priacanthus sagittarius</i>   | 10/11/2022 | 38  | 1  |   | 26/5/2023 |    |   |
| <i>Psenes pellucidus</i>         | 24/11/2022 | 32  |    |   | 28/5/2023 | 1  |   |
| <i>Pseudanthias squamipinnis</i> | 24/11/2022 | 7   |    |   | 28/5/2023 | 1  |   |
| <i>Pseudotolithus senegallus</i> | 24/11/2022 | 4   |    |   | 28/5/2023 | 1  |   |
| <i>Pseudupeneus prayensis</i>    | 24/11/2022 | 59  |    |   | 28/5/2023 |    |   |
| <i>Pteragogus pelycus</i>        | 27/10/2022 | 24  | 3  | 1 | 28/5/2023 | 2  |   |
| <i>Pterois miles</i>             | 12/10/2022 | 301 | 28 | 4 | 28/5/2023 | 23 | 6 |
| <i>Pterois volitans</i>          | 24/11/2022 | 217 | 8  |   | 28/5/2023 | 9  | 2 |
| <i>Rachycentron canadum</i>      | 13/11/2022 | 177 |    |   | 26/5/2023 |    |   |
| <i>Rastrelliger kanagurta</i>    | 11/11/2022 | 258 |    |   | 26/5/2023 | 4  |   |
| <i>Rhabdosargus haffara</i>      | 18/11/2022 | 59  |    |   | 26/5/2023 | 2  |   |
| <i>Rhabdosargus sarba</i>        | 18/11/2022 | 52  | 1  |   | 26/5/2023 | 1  |   |

|                                   |            |     |    |   |           |    |   |   |
|-----------------------------------|------------|-----|----|---|-----------|----|---|---|
| <i>Rhinecanthus assasi</i>        | 18/11/2022 | 5   |    |   | 26/5/2023 |    |   |   |
| <i>Rhizoprionodon acutus</i>      | 24/11/2022 | 77  | 2  |   | 28/5/2023 | 1  |   |   |
| <i>Rhynchoconger trewavasae</i>   | 18/11/2022 | 16  |    |   | 26/5/2023 |    |   |   |
| <i>Sardinella gibbosa</i>         | 11/11/2022 | 62  |    |   | 26/5/2023 |    |   |   |
| <i>Sargocentron rubrum</i>        | 27/10/2022 | 235 | 16 |   | 28/5/2023 | 11 | 2 |   |
| <i>Sargocentron spinosissimum</i> | 18/11/2022 | 5   |    |   | 26/5/2023 |    |   |   |
| <i>Sargocentron tiereoides</i>    | 18/11/2022 | 5   |    |   | 26/5/2023 | 1  |   |   |
| <i>Saurida gracilis</i>           | 18/11/2022 | 2   |    |   | 26/5/2023 |    |   |   |
| <i>Saurida lessepsianus</i>       | 27/10/2022 | 83  | 6  |   | 28/5/2023 | 6  |   |   |
| <i>Scarus ghobban</i>             | 27/10/2022 | 126 | 6  |   | 28/5/2023 | 5  |   |   |
| <i>Scatophagus argus</i>          | 10/11/2022 | 76  |    |   | 26/5/2023 | 9  |   |   |
| <i>Sciaenops ocellatus</i>        | 18/11/2022 | 229 | 7  |   | 26/5/2023 | 7  | 1 |   |
| <i>Scolopsis ghanam</i>           | 16/11/2022 | 10  |    |   | 26/5/2023 |    |   |   |
| <i>Scomberomorus commerson</i>    | 13/10/2022 | 337 | 25 | 1 | 28/5/2023 | 9  |   |   |
| <i>Scomberomorus tritor</i>       | 24/11/2022 | 47  |    |   | 28/5/2023 |    |   |   |
| <i>Scorpaena stephanica</i>       | 24/11/2022 | 14  |    |   | 28/5/2023 |    |   |   |
| <i>Sebastapistes strongia</i>     | 24/11/2022 | 2   |    |   | 28/5/2023 |    |   |   |
| <i>Selene dorsalis</i>            | 24/11/2022 | 30  | 1  |   | 28/5/2023 |    |   |   |
| <i>Seriola carpenteri</i>         | 24/11/2022 | 36  |    |   | 28/5/2023 | 1  |   |   |
| <i>Seriola fasciata</i>           | 24/11/2022 | 116 | 4  |   | 28/5/2023 | 3  |   |   |
| <i>Seriola rivoliana</i>          | 24/11/2022 | 86  | 1  |   | 28/5/2023 | 3  | 1 |   |
| <i>Siganus argenteus</i>          | 18/11/2022 | 30  |    |   | 26/5/2023 | 1  |   |   |
| <i>Siganus fuscescens</i>         | 18/11/2022 | 77  | 1  |   | 26/5/2023 | 2  |   |   |
| <i>Siganus javus</i>              | 24/11/2022 | 25  |    |   | 28/5/2023 |    |   |   |
| <i>Siganus luridus</i>            | 10/10/2022 | 624 | 28 | 8 | 28/5/2023 | 22 | 4 | 1 |
| <i>Siganus rivulatus</i>          | 8/10/2022  | 642 | 26 | 1 | 28/5/2023 | 28 | 7 | 1 |
| <i>Siganus virgatus</i>           | 18/11/2022 | 2   |    |   | 26/5/2023 |    |   |   |
| <i>Silhouetta aegyptia</i>        | 10/11/2022 | 16  | 1  |   | 26/5/2023 |    |   |   |
| <i>Sillago suezensis</i>          | 10/11/2022 | 31  | 4  |   | 26/5/2023 | 3  |   |   |
| <i>Solea senegalensis</i>         | 24/11/2022 | 385 | 6  |   | 28/5/2023 | 18 | 3 |   |
| <i>Sorsogona prionota</i>         | 10/11/2022 | 15  |    |   | 26/5/2023 |    |   |   |
| <i>Sphoeroides marmoratus</i>     | 24/11/2022 | 55  | 2  |   | 28/5/2023 | 1  |   |   |
| <i>Sphoeroides pachygaster</i>    | 13/10/2022 | 196 | 21 | 2 | 28/5/2023 | 4  |   |   |
| <i>Sphyraena chrysotaenia</i>     | 11/10/2022 | 189 | 23 |   | 28/5/2023 | 4  |   |   |
| <i>Sphyraena flavicauda</i>       | 27/10/2022 | 128 | 12 |   | 28/5/2023 | 2  |   |   |
| <i>Sphyrna mokarran</i>           | 24/11/2022 | 68  |    |   | 28/5/2023 |    |   |   |
| <i>Spratelloides delicatulus</i>  | 10/11/2022 | 39  | 2  |   | 26/5/2023 |    |   |   |
| <i>Stegastes variabilis</i>       | 18/11/2022 | 19  |    |   | 26/5/2023 |    |   |   |
| <i>Stephanolepis diaspros</i>     | 13/10/2022 | 277 | 28 | 4 | 28/5/2023 | 5  | 1 | 1 |
| <i>Stolephorus indicus</i>        | 10/11/2022 | 45  |    |   | 26/5/2023 | 4  |   |   |
| <i>Stolephorus insularis</i>      | 10/11/2022 | 33  | 2  |   | 26/5/2023 |    |   |   |
| <i>Synagrops japonicus</i>        | 24/11/2022 | 23  |    |   | 28/5/2023 |    |   |   |
| <i>Synanceia verrucosa</i>        | 10/11/2022 | 52  | 3  |   | 26/5/2023 |    |   |   |
| <i>Synaptura lusitanica</i>       | 24/11/2022 | 59  |    |   | 28/5/2023 | 2  |   |   |
| <i>Synchiropus sechellensis</i>   | 27/10/2022 | 28  | 7  |   | 28/5/2023 |    |   |   |
| <i>Syngnathus rostellatus</i>     | 24/11/2022 | 61  | 3  |   | 28/5/2023 |    |   |   |

|                                          |            |              |            |           |           |            |           |          |
|------------------------------------------|------------|--------------|------------|-----------|-----------|------------|-----------|----------|
| <i>Terapon jarbua</i>                    | 18/11/2022 | 93           | 2          |           | 26/5/2023 | 8          | 1         |          |
| <i>Terapon puta</i>                      | 11/11/2022 | 64           | 1          |           | 26/5/2023 | 2          |           |          |
| <i>Terapon theraps</i>                   | 27/10/2022 | 46           | 5          | 1         | 28/5/2023 |            |           |          |
| <i>Tetrodon spadiceus</i>                | 24/11/2022 | 18           | 1          | 1         | 26/5/2023 |            |           |          |
| <i>Tetrosomus gibbosus</i>               | 11/11/2022 | 31           |            |           | 26/5/2023 |            |           |          |
| <i>Torpedo sinuspersici</i>              | 24/11/2022 | 34           |            |           | 28/5/2023 | 1          |           |          |
| <i>Torquigener flavimaculosus</i>        | 27/10/2022 | 176          | 9          |           | 28/5/2023 | 6          | 1         | 1        |
| <i>Trachurus declivis</i>                | 24/11/2022 | 38           |            |           | 28/5/2023 | 1          |           |          |
| <i>Trachurus indicus</i>                 | 24/11/2022 | 29           |            |           | 28/5/2023 |            |           |          |
| <i>Trachyscorpia cristulata echinata</i> | 24/11/2022 | 22           | 1          |           | 28/5/2023 |            |           |          |
| <i>Tridentiger trionocephalus</i>        | 18/11/2022 | 59           |            |           | 26/5/2023 | 1          |           |          |
| <i>Trypauchen vagina</i>                 | 10/11/2022 | 79           | 3          |           | 26/5/2023 | 6          |           |          |
| <i>Tylerius spinosissimus</i>            | 27/10/2022 | 175          | 7          |           | 28/5/2023 | 1          |           |          |
| <i>Tylosurus choram</i>                  | 11/11/2022 | 44           | 1          |           | 26/5/2023 |            |           |          |
| <i>Tylosurus crocodilus</i>              | 27/10/2022 | 46           | 3          | 1         | 28/5/2023 | 3          | 1         |          |
| <i>Upeneus moluccensis</i>               | 27/10/2022 | 419          | 18         | 1         | 28/5/2023 | 8          | 1         | 1        |
| <i>Upeneus pori</i>                      | 27/10/2022 | 239          | 21         | 2         | 28/5/2023 | 14         | 3         |          |
| <i>Upeneus tragula</i>                   | 24/11/2022 | 37           |            |           | 28/5/2023 |            |           |          |
| <i>Vanderhorstia mertensi</i>            | 11/11/2022 | 61           | 3          |           | 26/5/2023 |            |           |          |
| <i>Variola louti</i>                     | 16/11/2022 | 17           | 1          |           | 26/5/2023 |            |           |          |
| <i>Zebrasoma flavescens</i>              | 18/11/2022 | 39           | 2          |           | 26/5/2023 |            |           |          |
| <i>Zebrasoma xanthurum</i>               | 18/11/2022 | 19           |            |           | 26/5/2023 |            |           |          |
| <i>Zenopsis conchifer</i>                | 24/11/2022 | 25           | 1          |           | 28/5/2023 |            |           |          |
| <b>Totals</b>                            |            | <b>17461</b> | <b>748</b> | <b>69</b> |           | <b>529</b> | <b>63</b> | <b>9</b> |

**Table S1.2** Records of non-native fish species in the North and Northeastern Aegean Sea, compiled in the systematic review of the scientific literature. The highlighted records are debatable and were omitted from the final non-native species list that is included in the article (Table 1). The species names are cited as given in the sources.

|   | Non-native species               | Source                                            | Sub-area | Country | Location              | Lat (DD), Lon (DD)         | Observation year | Observation type                     | Abundance | Habitat                                     | Depth (m) |
|---|----------------------------------|---------------------------------------------------|----------|---------|-----------------------|----------------------------|------------------|--------------------------------------|-----------|---------------------------------------------|-----------|
| 1 | <i>Acanthopagrus bifasciatus</i> | Şensurat-Genç et al., 2020                        | CHIO-MIT | TR      | İzmir Gulf            | 38.629981° N, 26.524220° E | 2018             | Commercial fisheries: Trammel nets   | 1 ind.    | Sandy bottom with <i>Posidonia oceanica</i> | 3         |
| 2 | <i>Bodianus speciosus</i>        | Filiz et al., 2019                                | CHIO-MIT | TR      | Horozgediği Bay       | 38.749167° N, 26.896389° E | 2018             | Recreational fisheries: spearfishing | 1 ind.    | Rocky bottom                                | 11        |
| 3 | <i>Bregmaceros nectabanus</i>    | Akyol, 2022                                       | CHIO-MIT | TR      | Kırdeniz (İzmir Gulf) | 38.588889° N, 26.7725° E   | 2022             | Commercial fisheries: Purse seine    | 2 ind.    |                                             | 30        |
| 4 | <i>Bregmaceros altanticus</i>    | Filiz et al., 2007                                | CHIO-MIT | TR      | Kuşadası Bay          |                            | 2005             | In the stomach of a horse mackerel   | 1 ind.    |                                             | 150       |
| 5 | <i>Bregmaceros altanticus</i>    | Aydin and Akyol, 2013                             | CHIO-MIT | TR      | İzmir Gulf            | 38.28° N, 26.47° E         | 2011             | Commercial fisheries: Trammel nets   | 1 ind.    |                                             | 50        |
| 6 | <i>Cephalopholis taeniops</i>    | Engin et al., 2016                                | CHIO-MIT | TR      | Çandarlı Gulf         | 38.833333° N, 26.866667° E | 2015             | Recreational fisheries: spearfishing | 1 ind.    | Hard substrate & sea-grass                  | 6         |
| 7 | <i>Cephalopholis taeniops</i>    | Engin et al., 2016                                | CHIO-MIT | TR      | Çandarlı Gulf         | 38.833333° N, 26.866667° E | 2015             | UW observation                       | 1 ind.    | Hard substrate & sea-grass                  | 13        |
| 8 | <i>Champsodon capensis</i>       | Kebapcioglu and Dereli in Mytilineou et al., 2016 | CHIO-MIT | TR      | Kuşadası Bay          | 37.8650° N, 27.2039° E     | 2015             | Commercial fisheries: Bottom trawl   | 6 ind.    |                                             | 66 – 140  |
| 9 | <i>Champsodon nudivittis</i>     | Torcu Koç et al., 2015                            | CHIO-MIT | TR      | Edremit Gulf          | 39.46056° N, 26.54194° E   | 2014             | Commercial fisheries: Bottom trawl   | 3 ind.    |                                             | 60        |

|    |                              |                            |          |    |                 |                            |      |                                    |        |                    |           |
|----|------------------------------|----------------------------|----------|----|-----------------|----------------------------|------|------------------------------------|--------|--------------------|-----------|
| 10 | <i>Champsodon nudivittis</i> | Dalyan et al., 2021        | THR-LIM  | TR | Gökçeada Island | 40.23611° N, 25.83167° E   | 2019 | Commercial fisheries: Bottom trawl | 1 ind. | Sandy-muddy bottom | 100 – 120 |
| 11 | <i>Champsodon nudivittis</i> | Dalyan et al., 2021        | THR-LIM  | TR | Gökçeada Island | 40.23278° N, 25.80167° E   | 2019 | Commercial fisheries: Bottom trawl | 1 ind. | Sandy-muddy bottom | 100 – 120 |
| 12 | <i>Champsodon nudivittis</i> | Dalyan et al., 2021        | THR-LIM  | TR | Gökçeada Island |                            | 2020 | Commercial fisheries: Bottom trawl | 1 ind. | Sandy-muddy bottom | 100 – 120 |
| 13 | <i>Champsodon vorax</i>      | Aydin and Akyol, 2015      | CHIO-MIT | TR | İzmir Gulf      | 38.683333° N, 26.6° E      | 2014 | Commercial fisheries: Bottom trawl | 1 ind. |                    | 65        |
| 14 | <i>Champsodon vorax</i>      | Akyol and Aydin, 2015      | CHIO-MIT | TR | İzmir Gulf      | 38.3725° N, 26.765° E      | 2015 | Bottom trawl net                   | 1 ind. | Muddy bottom       | 50        |
| 15 | <i>Enchelycore anatina</i>   | Şenbahar and Özaydin, 2020 | CHIO-MIT | TR | İzmir Gulf      |                            | 2017 | UW observation                     | 1 ind. | Rocky bottom       | 5         |
| 16 | <i>Etrumeus golanii</i>      | Akyol and Ulaş, 2016       | CHIO-MIT | TR | İzmir Gulf      |                            | 2015 | Commercial fisheries: Purse seine  | 1 ind. |                    | 63        |
| 17 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Kalloni Gulf    | 39.167944° N, 26.203888° E | 2019 | Questionnaire to fishers           |        |                    |           |
| 18 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Lesvos Island   | 39.120723° N, 26.14641° E  | 2019 | Collected specimen                 | 6 ind. | Water column       |           |
| 19 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Samos Island    | 37.797561° N, 26.692173° E | 2021 | Questionnaire to fishers           |        |                    |           |
| 20 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Samos Island    | 37.800577° N, 26.674396° E | 2021 | Questionnaire to fishers           |        |                    |           |
| 21 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Samos Island    | 37.772902° N, 26.609165° E | 2021 | Questionnaire to fishers           |        |                    |           |
| 22 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Samos Island    | 37.722951° N, 26.563159° E | 2021 | Questionnaire to fishers           |        |                    |           |
| 23 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Samos Island    | 37.679489° N, 26.581012° E | 2021 | Questionnaire to fishers           |        |                    |           |
| 24 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | CHIO-MIT | GR | Fourni Island   | 37.656661° N, 26.52814° E  | 2021 | Questionnaire to fishers           |        |                    |           |
| 25 | <i>Etrumeus golanii</i>      | Ragkousis et al., 2023     | THERM    | GR | Thermaikos Gulf | 40.155687° N, 22.554823° E | 2018 | Questionnaire to fishers           | 1 ind. |                    |           |

|    |                               |                                                     |          |    |                                      |                            |             |                                    |               |                                 |         |
|----|-------------------------------|-----------------------------------------------------|----------|----|--------------------------------------|----------------------------|-------------|------------------------------------|---------------|---------------------------------|---------|
| 26 | <i>Etrumeus golanii</i>       | Ragkousis et al., 2023                              | THERM    | GR | Thermaikos Gulf                      | 39.873724° N, 22.735903° E | 2020        | Questionnaire to fishers           | 2 ind.        |                                 |         |
| 27 | <i>Etrumeus golanii</i>       | Ragkousis et al., 2023                              | VOL-SPOR | GR | Pagazitikos Gulf                     | 39.15039° N, 23.076827° E  | 2019        | Questionnaire to fishers           | 2 ind.        |                                 |         |
| 28 | <i>Etrumeus golanii</i>       | Ragkousis et al., 2023                              | VOL-SPOR | GR | Agios Ioannis, Volos                 | 39.417992° N, 23.163298° E | 2020        | Questionnaire to fishers           |               |                                 |         |
| 29 | <i>Etrumeus golanii</i>       | Ragkousis et al., 2023                              | VOL-SPOR | GR | Pagazitikos Gulf                     | 39.235919° N, 23.01399° E  | 2020        | Questionnaire to fishers           |               |                                 |         |
| 30 | <i>Etrumeus teres</i>         | Yarmaz et al., 2010                                 | CHIO-MIT | TR | Dikili Bay                           | 39.23750° N, 26.67528° E   | 2009        | Commercial fisheries: Purse seine  | 1 ind.        | Sandy bottom covered by algae   | 40 – 50 |
| 31 | <i>Fistularia commersonii</i> | Lefkaditou et al., 2010                             | CHIO-MIT | GR | NE Aegean Sea                        |                            | 2008 - 2009 | Commercial fisheries: Boat seine   | 0.1 ind./haul |                                 |         |
| 32 | <i>Fistularia commersonii</i> | Golani et al., 2007                                 | CHIO-MIT | TR | Karaburun (İzmir Gulf)               |                            | 2006        | Fisheries                          | 1 ind.        |                                 |         |
| 33 | <i>Fistularia commersonii</i> | Türker-Çakır et al., 2014                           | CHIO-MIT | TR | Edremit Gulf                         |                            | 2010        | Commercial fisheries: Trammel nets | 1 ind.        | Rocky bottom with sandy patches | 60      |
| 34 | <i>Fistularia commersonii</i> | Karachle et al., 2004                               | THERM    | GR | Loutra Agias Paraskevis (Chalkidiki) | 39.93° N, 23.45° E         | 2003        | Commercial fisheries: Trammel nets | 1 ind.        |                                 | 25      |
| 35 | <i>Fistularia petimba</i>     | Kondylatos and Nikolidakis in Crocetta et al., 2021 | CHIO-MIT | GR | Marathokamp os Bay (Samos Island)    | 37.706042° N, 37.706042° E | 2021        | Commercial fisheries: Trammel nets | 1 ind.        | Sandy bottom                    | 20      |
| 36 | <i>Hemiramphus far</i>        | Akça and Bilecenoglu, 2010                          | CHIO-MIT | TR | Aslanburnu (İzmir Gulf)              |                            | 2009        | Commercial fisheries: Purse seine  | 1 ind.        |                                 | 60 – 70 |
| 37 | <i>Hemiramphus far</i>        | Akyol and Tosunoğlu, 2020                           | CHIO-MIT | TR | Gediz River delta (İzmir Gulf)       | 38.573333 °N, 26.781389 °E | 2018        | Commercial fisheries: Purse seine  | 1 ind.        |                                 | 40      |
| 38 | <i>Lagocephalus guentheri</i> | Akyol and Aydın, 2016                               | CHIO-MIT | TR | Çandarlı Gulf                        | 38.883° N, 26.883° E       | 2015        | Commercial fisheries: Bottom trawl | 1 ind.        |                                 | 50      |

|    |                                |                                              |          |    |                                    |                            |      |                                      |        |                  |         |
|----|--------------------------------|----------------------------------------------|----------|----|------------------------------------|----------------------------|------|--------------------------------------|--------|------------------|---------|
| 39 | <i>Lagocephalus sceleratus</i> | Bilecenoglu et al., 2006                     | CHIO-MIT | TR | Hekim Island (İzmir Gulf)          |                            | 2006 | Fisheries                            | 1 ind. |                  | 10 – 12 |
| 40 | <i>Lagocephalus sceleratus</i> | Peristeraki et al., 2006                     | CHIO-MIT | GR | Lesvos Island                      |                            | 2007 | Commercial fisheries: Trammel nets   | 1 ind. |                  |         |
| 41 | <i>Lagocephalus sceleratus</i> | Türker-Çakır et al., 2009                    | CHIO-MIT | TR | Edremit Gulf                       | 39.46726° N, 26.34112° E   | 2008 | Commercial fisheries: Trammel nets   | 1 ind. |                  | 60      |
| 42 | <i>Lagocephalus sceleratus</i> | Bakopoulos et al., 2017                      | CHIO-MIT | GR | Lesvos Island                      |                            | 2015 | Commercial fisheries: Bottom trawl   | 4 ind. |                  | 20 – 35 |
| 43 | <i>Lagocephalus sceleratus</i> | Ragkousis et al., 2023                       | CHIO-MIT | GR | Samos Island                       | 37.692872° N, 26.96299° E  | 2020 | UW observation                       | 2 ind. | Sandy            | 4       |
| 44 | <i>Lagocephalus sceleratus</i> | Ragkousis et al., 2023                       | CHIO-MIT | GR | Lesvos Island                      | 39.013954° N, 26.548766° E | 2020 | UW observation                       | 1 ind. | Mixed            | 30      |
| 45 | <i>Lagocephalus sceleratus</i> | Minos et al., 2010a                          | THERM    | GR | Angelochori (Thermaikos Gulf)      |                            | 2008 | Recreational fisheries: Hand lines   | 1 ind. |                  | 2       |
| 46 | <i>Lagocephalus sceleratus</i> | Minos et al., 2010a                          | THERM    | GR | Siviri – Potidea (Thermaikos Gulf) |                            | 2009 | Commercial fisheries: Bottom trawl   | 1 ind. |                  | 60      |
| 47 | <i>Lagocephalus sceleratus</i> | Tunçer and Önal in Katsanevakis et al., 2014 | THR-LIM  | TR | Saros Gulf                         | 40.36833° N, 26.32111° E   | 2014 | Commercial fisheries: Lift net       | 1 ind. |                  |         |
| 48 | <i>Lagocephalus sceleratus</i> | Minos et al., 2010a                          | THERM    | GR | Singitikos Gulf (Chalkidiki)       |                            | 2009 | Recreational fisheries: spearfishing | 1 ind. |                  | 4       |
| 49 | <i>Lagocephalus sceleratus</i> | Katsanevakis et al., 2020                    | THR-LIM  | GR | Strymonikos Gulf                   | 40.6623° N, 23.8715° E     | 2017 | UW observation                       | 1 ind. |                  |         |
| 50 | <i>Lagocephalus sceleratus</i> | Leonardo et al., 2019                        | THERM    | GR | Chrousou Bay (Chalkidiki)          |                            | 2017 | Commercial fisheries: Beach seine    | 2 ind. |                  | 10 – 30 |
| 51 | <i>Lagocephalus sceleratus</i> | Katikou et al., 2009                         | VOL-SPOR | GR | Horefto (Magnesia)                 |                            | 2007 | Commercial fisheries                 | 1 ind. |                  |         |
| 52 | <i>Lagocephalus suezensis</i>  | Ragkousis et al., 2023                       | CHIO-MIT | TR | Edremit Gulf*                      | 39.4638° N, 26.3923° E     | 2020 | Collected specimen                   | 1 ind. | Sandy-mud bottom | 93      |

|    |                                  |                                                 |          |    |                                       |                                |             |                                                                       |        |                       |         |
|----|----------------------------------|-------------------------------------------------|----------|----|---------------------------------------|--------------------------------|-------------|-----------------------------------------------------------------------|--------|-----------------------|---------|
| 53 | <i>Liza haematocheilus</i>       | Minos et al., 2010b                             | THR-LIM  | GR | Along the coastline (Thracian Sea)    |                                | 2003 - 2009 | Commercial fisheries: Trammel nets (inland waters), Traps (coastline) | 4 ind. |                       |         |
| 54 | <i>Lutjanus argentimaculatus</i> | Akyol, 2019                                     | CHIO-MIT | TR | İzmir Gulf                            | 38.366667° N, 26.783333° E     | 2018        | Commercial fisheries: Gillnets                                        | 1 ind. |                       | 8       |
| 55 | <i>Nemipterus randalli</i>       | Aydin and Akyol, 2017                           | CHIO-MIT | TR | İzmir Gulf                            | 38.733333° N, 26.55° E         | 2016        | Commercial fisheries: Bottom trawl                                    | 1 ind. | Muddy bottom          | 90      |
| 56 | <i>Oncorhynchus kisutch</i>      | Kampouris and Batjakas in Crocetta et al., 2021 | THR-LIM  | GR | East coast of Thasos Island           | 40.66516667° N, 24.76416667° E | 2021        | Commercial fisheries                                                  | 1 ind. | Sandy & pebbly bottom | 2 – 3   |
| 57 | <i>Pagrus major</i>              | Kampouris et al., 2020                          | THERM    | GR | Kassandra peninsula (Thermaikos Gulf) |                                | 2019        | Commercial fisheries: Longlines                                       | 2 ind. | Hard bottom           | 32 – 36 |
| 58 | <i>Paranthias furcifer</i>       | Yapici and Sevingel in Ragkousis et al., 2020   | CHIO-MIT | TR | İzmir Gulf                            | 38.86694° N, 26.90222° E       | 2019        | Recreational fisheries: spearfishing                                  | 1 ind. |                       | 12      |
| 59 | <i>Pempheris vanicolensis</i>    | Tzomos et al., 2010                             | CHIO-MIT | TR | Kuşadası Bay                          |                                | 2004        |                                                                       | 1 ind. | Rocky bottom          | 5       |
| 60 | <i>Planiliza haematocheila</i>   | Katsanevakis et al., 2020                       | CHIO-MIT | TR | Kaleburnu (İzmir Gulf)                | 38.6601° N, 26.7334° E         | 2006        | UW observation                                                        | 1 ind. | Soft substrate        | 8 – 10  |
| 61 | <i>Plectorhinchus gaterinus</i>  | Corsini-Foka and Sarlis, 2016                   | THR-LIM  | GR | Thasopoula Islet (Thasos Island)      | 40,831944° N, 24,701944° E     | 2015        | Recreational fisheries: spearfishing                                  | 1 ind. |                       | 8 – 10  |
| 62 | <i>Pomadasys stridens</i>        | Katsanevakis et al., 2020                       | CHIO-MIT | TR | Çandarlı Gulf                         | 38.8913° N, 27.0352° E         | 2016        | Trammel nets                                                          | 1 ind. | Sandy bottom          | 24      |
| 63 | <i>Pteragogus pelycus</i>        | Yapıcı et al., 2015                             | CHIO-MIT | TR | Kuşadası Bay                          | 37.716667° N, 27.216667° E     | 2014        | Commercial fisheries: Trammel nets                                    | 1 ind. | Sandy bottom          | 25      |
| 64 | <i>Pterois miles</i>             | Katsanevakis et al., 2020                       | CHIO-MIT | TR | Sığacık                               | 38.1664° N, 26.7721° E         | 2019        | UW observation                                                        | 1 ind. | Rocky reef            | 7       |

|    |                      |                           |          |    |               |                               |      |                                            |        |                                           |      |
|----|----------------------|---------------------------|----------|----|---------------|-------------------------------|------|--------------------------------------------|--------|-------------------------------------------|------|
| 65 | <i>Pterois miles</i> | Özgül, 2020               | CHIO-MIT | TR | Gök Liman     | 38.13520° N,<br>26.60980° E   | 2019 | Recreational<br>fisheries:<br>spearfishing | 1 ind. | Rocky<br>bottom                           | 15   |
| 66 | <i>Pterois miles</i> | Ulman et al.,<br>2020     | CHIO-MIT | TR | Teos          |                               | 2019 | UW<br>observation                          | 1 ind. | Rocky<br>bottom                           | 10   |
| 67 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.751339° N,<br>26.974689° E | 2020 | UW<br>observation                          |        | Port                                      |      |
| 68 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.751058° N,<br>26.973426° E | 2020 | Questionnaire<br>to fishers                | 2 ind. |                                           |      |
| 69 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.797561° N,<br>26.692173° E | 2020 | Questionnaire<br>to fishers                | 2 ind. |                                           |      |
| 70 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.697963° N,<br>26.350299° E | 2020 | Questionnaire<br>to fishers                |        |                                           |      |
| 71 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.637088° N,<br>26.160098° E | 2020 | Questionnaire<br>to fishers                |        |                                           |      |
| 72 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.614247° N,<br>26.038562° E | 2020 | Questionnaire<br>to fishers                |        |                                           |      |
| 73 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.688167° N,<br>26.353091° E | 2020 | UW<br>observation                          | 1 ind. | Rocky                                     | 12.5 |
| 74 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.622292° N,<br>26.306062° E | 2020 | UW<br>observation                          | 1 ind. | Underwat<br>er caves<br>and rock<br>slits | 9    |
| 75 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.62247° N,<br>26.306169° E  | 2020 | UW<br>observation                          | 1 ind. | Rocky                                     | 10.5 |
| 76 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.780448° N,<br>26.88981° E  | 2020 | UW<br>observation                          | 2 ind. | Rocky                                     | 20.5 |
| 77 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Ikaria Island | 37.55294° N,<br>26.149191° E  | 2020 | UW<br>observation                          | 1 ind. |                                           |      |
| 78 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | TR | Edremit Gulf* | 39.47453° N,<br>26.7709° E    | 2020 | Collected<br>specimen                      | 1 ind. | Algae<br>substrate                        | 28   |
| 79 | <i>Pterois miles</i> | Oruç, et al.,<br>2022     | CHIO-MIT | TR | İzmir Gulf    | 38.65° N,<br>26.52° E         | 2021 | UW<br>observation                          | 1 ind. | Sandy<br>bottom                           | 36   |
| 80 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Lesvos Island | 38.97626° N,<br>26.328226° E  | 2021 | Collected<br>specimen                      | 1 ind. | Rocky<br>reef                             | 4    |
| 81 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.800577° N,<br>26.674396° E | 2021 | Questionnaire<br>to fishers                |        |                                           |      |
| 82 | <i>Pterois miles</i> | Ragkousis et<br>al., 2023 | CHIO-MIT | GR | Samos Island  | 37.772902° N,<br>26.609165° E | 2021 | Questionnaire<br>to fishers                |        |                                           |      |

|    |                                |                                |          |    |                              |                            |      |                                    |         |                                                     |        |
|----|--------------------------------|--------------------------------|----------|----|------------------------------|----------------------------|------|------------------------------------|---------|-----------------------------------------------------|--------|
| 83 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Samos Island                 | 37.722951° N, 26.563159° E | 2021 | Questionnaire to fishers           |         |                                                     |        |
| 84 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Samos Island                 | 37.679489° N, 26.581012° E | 2021 | Questionnaire to fishers           |         |                                                     |        |
| 85 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Fournoi Island               | 37.656661° N, 26.52814° E  | 2021 | Questionnaire to fishers           |         |                                                     |        |
| 86 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Chios Island                 | 38.299158° N, 25.944151° E | 2021 | UW observation                     | 1 ind.  | Rocky reefs                                         | 5      |
| 87 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Lesvos Island                | 39.163891° N, 25.866944° E | 2021 | UW observation                     | 1 ind.  | Rocky substrates                                    | 0      |
| 88 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Lesvos Island                | 38.987872° N, 26.309395° E | 2021 | UW observation                     | 1 ind.  | Rocky substrates                                    | 0      |
| 89 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Samos Island                 | 37.692277° N, 26.726515° E | 2021 | Collected specimen                 | 5 ind.  | Rock/sand with vegetation                           | 5 – 10 |
| 90 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Lesvos Island                | 39.096997° N, 26.557375° E | 2022 | UW observation                     | 1 ind.  | Port                                                | 1      |
| 91 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | CHIO-MIT | GR | Lesvos Island                | 39.19851° N, 25.844664° E  | 2022 | UW observation                     | 2 ind.  | Rocky reef                                          | 10     |
| 92 | <i>Pterois miles</i>           | Katsanevakis et al., 2020      | THERM    | GR | Singitikos Gulf (Chalkidiki) | 40.3636° N, 23.9166° E     | 2019 | UW observation                     | 5 ind.  | Open water                                          | 10     |
| 93 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | THERM    | GR | Chalkidiki                   | 39.938494° N, 23.949872° E | 2021 | UW observation                     | 1 ind.  | Rocky substrate                                     | 10     |
| 94 | <i>Pterois miles</i>           | Ragkousis et al., 2023         | VOL-SPOR | GR | Skopelos Island              | 39.126709° N, 23.731172° E | 2019 | Questionnaire to fishers           | 1 ind.  |                                                     |        |
| 95 | <i>Scomberomorus commerson</i> | Akyol and Tosunoğlu, 2019      | CHIO-MIT | TR | Izmir Bay                    | 38.561389° N, 26.773056° E | 2018 | Commercial purse-seiner            | 1 ind.  |                                                     | 35     |
| 96 | <i>Siganus luridus</i>         | Katsanevakis and Tsiamis, 2009 | CHIO-MIT | GR | S. Chios Island              |                            | 2009 | UW observation                     | 10 ind. |                                                     | 0 – 10 |
| 97 | <i>Siganus luridus</i>         | Kara and Akyol, 2011           | CHIO-MIT | TR | Urla (İzmir Gulf)            |                            | 2010 | Commercial fisheries: Trammel nets | 17 ind. | Sandy bottom with <i>Posidonia oceanica</i> meadows | 6 – 8  |

|     |                        |                            |          |    |                               |                            |      |                                      |        |                                                               |        |
|-----|------------------------|----------------------------|----------|----|-------------------------------|----------------------------|------|--------------------------------------|--------|---------------------------------------------------------------|--------|
| 98  | <i>Siganus luridus</i> | Katsanevakis et al., 2020  | CHIO-MIT | TR | Karaburun (İzmir Gulf)        | 38.6623° N, 26.5152° E     | 2012 | Recreational fisheries: spearfishing | 1 ind. |                                                               | 5      |
| 99  | <i>Siganus luridus</i> | Pennington et al., 2013    | CHIO-MIT | GR | Fourni Island                 |                            | 2012 | UW observation                       |        | <i>Posidonia oceanica</i> meadow, rocky algal habitat         |        |
| 100 | <i>Siganus luridus</i> | Akyol and Aydin, 2015      | CHIO-MIT | TR | Urla (İzmir Gulf)             | 38.50389° N, 26.78333° E   | 2013 | Commercial fisheries: Trammel nets   | 1 ind. | Sandy bottom with <i>Posidonia oceanica</i> meadows           | 8      |
| 101 | <i>Siganus luridus</i> | Evagelopoulou et al., 2015 | CHIO-MIT | GR | Nisiopi Islet (Lesvos Island) | 39.198580° N, 25.820260° E | 2013 | UW observation                       | 4 ind. | Rocky reef, <i>Posidonia oceanica</i> meadow                  | 15     |
| 102 | <i>Siganus luridus</i> | Evagelopoulou et al., 2015 | CHIO-MIT | GR | Nisiopi Islet (Lesvos Island) | 39.203395° N, 25.848988° E | 2013 | UW observation                       | 4 ind. | Rocky reef, <i>Posidonia oceanica</i> meadow                  | 15     |
| 103 | <i>Siganus luridus</i> | Katsanevakis et al., 2020  | CHIO-MIT | TR | İzmir Gulf                    | 38.6510° N, 26.5169° E     | 2013 | UW observation                       | 1 ind. |                                                               | 5      |
| 104 | <i>Siganus luridus</i> | Ismen et al., 2015         | CHIO-MIT | TR | Assos (Edremit Gulf)          |                            | 2014 | Commercial fisheries: Trammel nets   | 1 ind. | Sandy bottom, Rocky reef mixed with <i>Posidonia oceanica</i> | 2 – 3  |
| 105 | <i>Siganus luridus</i> | Katsanevakis et al., 2020  | CHIO-MIT | GR | Ikaria Island                 | 37.6338° N, 26.1767° E     | 2014 | UW observation                       | 3 ind. |                                                               | 0 – 10 |
| 106 | <i>Siganus luridus</i> | Katsanevakis et al., 2020  | CHIO-MIT | GR | Chios Island                  | 38.1921° N, 25.9314° E     | 2016 | UW observation                       |        | Rocky reef                                                    | 5      |
| 107 | <i>Siganus luridus</i> | Katsanevakis et al., 2020  | CHIO-MIT | GR | Chios Island                  | 38.1737° N, 25.9629° E     | 2016 | UW observation                       |        | Rocky reef                                                    | 5      |

|     |                        |                                                    |          |    |                                     |                            |      |                |        |                                       |           |
|-----|------------------------|----------------------------------------------------|----------|----|-------------------------------------|----------------------------|------|----------------|--------|---------------------------------------|-----------|
| 108 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2154° N, 25.8866° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 109 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2479° N, 25.8632° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 110 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.3196° N, 25.9404° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 111 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2154° N, 25.8866° E     | 2016 | UW observation |        | Rocky reef                            | 15        |
| 112 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2479° N, 25.8632° E     | 2016 | UW observation |        | Rocky reef                            | 15        |
| 113 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.3196° N, 25.9404° E     | 2016 | UW observation |        | Rocky reef                            | 15        |
| 114 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.1737° N, 25.9629° E     | 2016 | UW observation |        | Rocky reef                            | 0 – 5     |
| 115 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2154° N, 25.8866° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 116 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2154° N, 25.8866° E     | 2016 | UW observation |        | Rocky reef                            | 15        |
| 117 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2479° N, 25.8632° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 118 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.2479° N, 25.8632° E     | 2016 | UW observation |        | Rocky reef                            | 15        |
| 119 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Chios Island                        | 38.3196° N, 25.9404° E     | 2016 | UW observation |        | Rocky reef                            | 5         |
| 120 | <i>Siganus luridus</i> | Tsirintanis and Katsanevakis in Lipej et al., 2017 | CHIO-MIT | GR | Agios Ermogenis Bay (Lesvos Island) | 39.012694° N, 26.542933° E | 2016 | UW observation | 2 ind. | Brown algal assemblages on rocky reef | 1.5 – 2.5 |
| 121 | <i>Siganus luridus</i> | Tsirintanis and Katsanevakis in Lipej et al., 2017 | CHIO-MIT | GR | Charamida Bay (Lesvos Island)       | 39.014653° N, 26.557419° E | 2016 | UW observation | 1 ind. | Rocky reef                            | 4         |
| 122 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Lesvos Island                       | 39.1023° N, 25.9577° E     | 2019 | UW observation | 2 ind. | Rocky reef                            | 6         |
| 123 | <i>Siganus luridus</i> | Katsanevakis et al., 2020                          | CHIO-MIT | GR | Lesvos Island                       | 38.9754° N, 26.4895° E     | 2019 | UW observation | 1 ind. | Rocky reef                            | 4         |

|     |                        |                           |          |    |                |                            |      |                          |          |                  |     |
|-----|------------------------|---------------------------|----------|----|----------------|----------------------------|------|--------------------------|----------|------------------|-----|
| 124 | <i>Siganus luridus</i> | Katsanevakis et al., 2020 | CHIO-MIT | GR | Lesvos Island  | 38.9769° N, 26.5053° E     | 2019 | UW observation           | 1 ind.   | Rocky reef       | 4   |
| 125 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island  | 39.202097° N, 25.823501° E | 2019 | UW observation           | 10 ind.  | Rocky substrate  | 4   |
| 126 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.751058° N, 26.973426° E | 2020 | Questionnaire to fishers |          |                  |     |
| 127 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.797561° N, 26.692173° E | 2020 | Questionnaire to fishers |          |                  |     |
| 128 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island  | 37.683293° N, 26.368839° E | 2020 | Questionnaire to fishers |          |                  |     |
| 129 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island  | 37.564734° N, 26.21915° E  | 2020 | Questionnaire to fishers |          |                  |     |
| 130 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island  | 37.507018° N, 26.009036° E | 2020 | Questionnaire to fishers |          |                  |     |
| 131 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island  | 37.607992° N, 26.030666° E | 2020 | Questionnaire to fishers |          |                  |     |
| 132 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island  | 37.678674° N, 26.285068° E | 2020 | Questionnaire to fishers |          |                  |     |
| 133 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.795213° N, 26.981941° E | 2020 | UW observation           | 11 ind.  | Rocky substrates | 15  |
| 134 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island  | 39.005° N, 26.168° E       | 2020 | UW observation           | 3 ind.   | Rocky reef       | 7.5 |
| 135 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.800577° N, 26.674396° E | 2021 | Questionnaire to fishers |          |                  |     |
| 136 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.772902° N, 26.609165° E | 2021 | Questionnaire to fishers |          |                  |     |
| 137 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.722951° N, 26.563159° E | 2021 | Questionnaire to fishers |          |                  |     |
| 138 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island   | 37.679489° N, 26.581012° E | 2021 | Questionnaire to fishers |          |                  |     |
| 139 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Fournoi Island | 37.656661° N, 26.52814° E  | 2021 | Questionnaire to fishers |          |                  |     |
| 140 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Chios Island   | 38.2992° N, 25.9429° E     | 2021 | UW observation           | >10 ind. | Rocky reef       | 15  |
| 141 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Chios Island   | 38.2446° N, 25.8829° E     | 2021 | UW observation           | 5 ind.   | Rocky reef       | 4   |
| 142 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island  | 39.3762° N, 26.3079° E     | 2021 | UW observation           | 1 ind.   | Rocky reef       | 5   |
| 143 | <i>Siganus luridus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island  | 39.163891° N, 25.866944° E | 2021 | UW observation           | 2 ind.   | Rocky substrates | 0   |

|     |                          |                           |          |    |                              |                            |      |                                    |         |                                             |        |
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| 144 | <i>Siganus luridus</i>   | Ragkousis et al., 2023    | CHIO-MIT | TR | Edremit Gulf*                | 39.479° N, 26.0633° E      | 2021 | UW observation                     | 3 ind.  |                                             |        |
| 145 | <i>Siganus luridus</i>   | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island                | 39.015347° N, 26.161635° E | 2021 | UW observation                     | 40 ind. | Rocky substrate                             | 5      |
| 146 | <i>Siganus luridus</i>   | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.692277° N, 26.726515° E | 2021 | Collected specimen                 | 1 ind.  | Rock/sand with vegetation                   | 5 – 10 |
| 147 | <i>Siganus luridus</i>   | Ragkousis et al., 2023    | THR-LIM  | GR | Limnos Island                | 40.028163° N, 25.425702° E | 2021 | UW observation                     | 6 ind.  | Rocky substrate                             | 3      |
| 148 | <i>Siganus luridus</i>   | Katsanevakis et al., 2020 | VOL-SPOR | GR | Skyros Island                | 38.7613° N, 24.5833° E     | 2018 | UW observation                     | 4 ind.  | Rocky reef                                  | 5      |
| 149 | <i>Siganus rivulatus</i> | Gurbet and Kara, 2013     | CHIO-MIT | TR | Gelinkaya, Urla (İzmir Gulf) | 38.367° N, 26.767° E       | 2010 | Commercial fisheries: Trammel nets | 1 ind.  | Sandy bottom with <i>Posidonia oceanica</i> | 3 – 5  |
| 150 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.751058° N, 26.973426° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 151 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.797561° N, 26.692173° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 152 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island                | 37.683293° N, 26.368839° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 153 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island                | 37.564734° N, 26.21915° E  | 2020 | Questionnaire to fishers           |         |                                             |        |
| 154 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island                | 37.507018° N, 26.009036° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 155 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island                | 37.607992° N, 26.030666° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 156 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Ikaria Island                | 37.678674° N, 26.285068° E | 2020 | Questionnaire to fishers           |         |                                             |        |
| 157 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.800577° N, 26.674396° E | 2021 | Questionnaire to fishers           |         |                                             |        |
| 158 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.772902° N, 26.609165° E | 2021 | Questionnaire to fishers           |         |                                             |        |
| 159 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.722951° N, 26.563159° E | 2021 | Questionnaire to fishers           |         |                                             |        |
| 160 | <i>Siganus rivulatus</i> | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island                 | 37.679489° N, 26.581012° E | 2021 | Questionnaire to fishers           |         |                                             |        |

|     |                                |                           |          |    |                   |                            |             |                                    |               |                           |         |
|-----|--------------------------------|---------------------------|----------|----|-------------------|----------------------------|-------------|------------------------------------|---------------|---------------------------|---------|
| 161 | <i>Siganus rivulatus</i>       | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island      | 37.656661° N, 26.52814° E  | 2021        | Questionnaire to fishers           |               |                           |         |
| 162 | <i>Siganus rivulatus</i>       | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island     | 39.0139° N, 26.557245° E   | 2021        | UW observation                     | 1 ind.        | Rocky reef                | 3       |
| 163 | <i>Sphoeroides pachygaster</i> | Akyol and Aydin, 2017     | CHIO-MIT | TR | İzmir Gulf        |                            | 2016        | Commercial fisheries: Bottom trawl | 1 ind.        | Sandy-muddy bottom        | 80      |
| 164 | <i>Sphoeroides pachygaster</i> | Eryılmaz et al., 2003     | THR-LIM  | TR | Saros Gulf        |                            | 1999        | Commercial fisheries: Bottom trawl | 1 ind.        |                           | 180     |
| 165 | <i>Sphoeroides pachygaster</i> | Eryılmaz et al., 2003     | THR-LIM  | TR | Bozcaada Island   |                            | 2001        | Commercial fisheries: Bottom trawl | 1 ind.        |                           | 125     |
| 166 | <i>Stephanolepis diaspros</i>  | Lefkaditou et al., 2010   | CHIO-MIT | GR | NE Aegean Sea     |                            | 2008 - 2009 | Commercial fisheries: Boat seine   | 0.1 ind./haul |                           |         |
| 167 | <i>Stephanolepis diaspros</i>  | Katsanevakis et al., 2020 | CHIO-MIT | GR | Kuşadası Bay      | 37.8776° N, 27.2654° E     | 2012        | UW observation                     | 1 ind.        |                           | 5       |
| 168 | <i>Stephanolepis diaspros</i>  | Katsanevakis et al., 2020 | CHIO-MIT | TR | Kuşadası Bay      | 37.8780° N, 27.2649° E     | 2013        | UW observation                     | 2 ind.        | Soft substrate            | 5       |
| 169 | <i>Stephanolepis diaspros</i>  | Akyol and Özgül, 2015     | CHIO-MIT | TR | İzmir Gulf        | 38.350° N, 26.800° E       | 2014        | Commercial fisheries: Trammel nets | 1 ind.        | Sandy bottom              | 6       |
| 170 | <i>Stephanolepis diaspros</i>  | Metin and Akyol, 2021     | CHIO-MIT | TR | İzmir Gulf        | 38.40452° N, 26.79315° E   | 2020        | Recreational fisheries: Angling    | 1 ind.        | Sandy bottom              | 18      |
| 171 | <i>Stephanolepis diaspros</i>  | Ragkousis et al., 2023    | CHIO-MIT | GR | Lesvos Island     | 39.314764° N, 26.04566° E  | 2020        | UW observation                     | 1 ind.        | Rocky                     | 15      |
| 172 | <i>Stephanolepis diaspros</i>  | Ragkousis et al., 2023    | CHIO-MIT | GR | Samos Island      | 37.692277° N, 26.726515° E | 2021        | Collected specimen                 | 2 ind.        | Rock/sand with vegetation | 5 – 10  |
| 173 | <i>Stephanolepis diaspros</i>  | Ragkousis et al., 2023    | THERM    | GR | Thermaikos Gulf   | 40.270499° N, 23.143871° E | 2021        | UW observation                     | 1 ind.        |                           | 14 – 18 |
| 174 | <i>Stephanolepis diaspros</i>  | Ragkousis et al., 2023    | THERM    | GR | Thermaikos Gulf   | 40.5854° N, 22.9306° E     | 2021        | Collected specimen                 | 1 ind.        | Sandy-muddy bottom        | 12      |
| 175 | <i>Stephanolepis diaspros</i>  | Katsanevakis et al., 2020 | VOL-SPOR | GR | Ovrios (Magnesia) | 39.5067° N, 23.0819° E     | 2019        | UW observation                     | 1 ind.        | Sandy bottom              | 10      |

|     |                                   |                                  |          |    |                                       |                            |      |                                    |        |                           |         |
|-----|-----------------------------------|----------------------------------|----------|----|---------------------------------------|----------------------------|------|------------------------------------|--------|---------------------------|---------|
| 176 | <i>Terapon theraps</i>            | Minos et al., 2012               | THERM    | GR | Nea Potidea (Thermaikos Gulf)         |                            | 2008 | Commercial fisheries: Gillnets     | 1 ind. | Seagrass meadow           | 20      |
| 177 | <i>Tetrodon spadiceus</i>         | Ananiadis, 1952                  | CHIO-MIT | GR | NW of Samos Island                    |                            | 1952 | Commercial fisheries: Bottom trawl | 1 ind. |                           | 146     |
| 178 | <i>Torquigener flavimaculosus</i> | Ragkousis et al., 2023           | CHIO-MIT | TR | Edremit Gulf*                         | 39.4638° N, 26.3923° E     | 2020 | Collected specimen                 | 1 ind. | Sandy-mud bottom          | 93      |
| 179 | <i>Tylosurus crocodilus</i>       | Sinis, 2005                      | THERM    | GR | Gerakini (Chalkidiki)                 |                            | 2003 | Found dead on the beach            | 1 ind. |                           |         |
| 180 | <i>Upeneus moluccensis</i>        | Aydin and Akyol, 2016            | CHIO-MIT | TR | İzmir Gulf                            |                            | 2015 | Commercial fisheries: Bottom trawl | 1 ind. | Sandy bottom              | 80 – 85 |
| 181 | <i>Upeneus moluccensis</i>        | Aydin and Akyol, 2016            | CHIO-MIT | TR | Çandarlı Gulf                         |                            | 2016 | Commercial fisheries: Bottom trawl | 1 ind. | Muddy bottom              | 80 – 85 |
| 182 | <i>Upeneus moluccensis</i>        | Ragkousis et al., 2023           | CHIO-MIT | GR | Lesvos Island                         | 39.120723° N, 26.14641° E  | 2019 | Collected specimen                 | 5 ind. | Sandy-muddy bottoms       |         |
| 183 | <i>Upeneus moluccensis</i>        | Ragkousis et al., 2023           | CHIO-MIT | GR | Samos Island                          | 37.692277° N, 26.726515° E | 2021 | Collected specimen                 | 4 ind. | Rock/sand with vegetation | 5 – 10  |
| 184 | <i>Upeneus pori</i>               | Filiz in Nicolaidou et al., 2012 | CHIO-MIT | TR | Kuşadası Bay                          | 37.744306° N, 27.236527° E | 2009 | Commercial fisheries: Bottom trawl | 8 ind. | Sandy bottom              | 47      |
| 185 | <i>Upeneus pori</i>               | Kampouris et al., 2020           | THERM    | GR | Kassandra peninsula (Thermaikos Gulf) |                            | 2018 | Commercial fisheries: Gillnets     |        | Sandy-muddy bottom        | 20 – 25 |

\*location name was amended based on its geographic coordinates

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