**Appendix 1.** List of all species of Pristigasteridae (38 species) along with corresponding information concerning their distribution and the absence (“No”) or presence of one (“1”) or two (“2”) post-coelomic diverticula. Data from Whitehead and Blaxter (1989) and Eschmeyer et al. (2018). Classification follows Grande (1985); see figure 1

|  |  |  |
| --- | --- | --- |
| Taxa | Geographic  Distribution | Post-coelomic diverticula |
| **Subfamily Pristigasterinae** |  |  |
| ***Pristigaster*** (two species) |  |  |
| *Pristigaster cayana* Cuvier, 1829 | New World | No |
| *Pristigaster whiteheadi* Menezes & de Pinna, 2000 | New World | No |
| ***Odontognathus*** (three species) |  |  |
| *Odontognathus mucronatus* Lacepède, 1800 | New World | No |
| *Odontognathus panamensis* (Steindachner, 1876) | New World | No |
| *Odontognathus compressus* Meek & Hildebrand, 1923 | New World | No |
| ***Raconda*** (one species) |  |  |
| *Raconda russeliana* Gray, 1831 | Indo-West Pacific | 2 |
| ***Opisthopterus*** (six species) |  |  |
| *Opisthopterus tardoore* (Cuvier, 1829) | Indo-West Pacific | 2 |
| *Opisthopterus valenciennesi* Bleeker, 1872 | Indo-West Pacific | 2 |
| *Opisthopterus macrops* (Günther, 1867) | New World | No |
| *Opisthopterus dovii* (Günther, 1868) | New World | No |
| *Opisthopterus effulgens* (Regan, 1903) | New World | No |
| *Opisthopterus equatorialis* Hildebrand, 1946 | New World | No |
| **Insertae sedis** |  |  |
| *“Ilisha” africana* (Bloch, 1795) | East Atlantic | 2 |
| **Subfamily Pelloninae** |  |  |
| **Pellona** (six species) |  |  |
| *Pellona ditchela* Valenciennes, 1847 | Indo-West Pacific | No |
| *Pellona dayi* Wongratana, 1983 | Indo-West Pacific | No |
| *Pellona flavipinnis* (Valenciennes, 1837) | New World | No |
| *Pellona castelnaeana* Valenciennes, 1847 | New World | No |
| *Pellona altamazonica* Cope, 1872 | New World | No |
| *Pellona harroweri* (Fowler, 1917) | New World | No |
| ***Chirocentrodon***(one species) |  |  |
| *Chirocentrodon bleekerianus* (Poey, 1867) | New World | No |
| ***Pliosteostoma***(one species) |  |  |
| *Pliosteostoma lutipinnis* (Jordan & Gilbert, 1882) | New World | No |
| ***Neoopisthopterus***(two species) |  |  |
| *Neoopisthopterus tropicus* (Hildebrand, 1946) | New World | No |
| *Neoopisthopterus cubanus* Hildebrand, 1948 | New World | No |
| **No subfamily assignment** |  |  |
| ***Ilisha*** (15 species) |  |  |
| *Ilisha elongata* (Anonymous [Bennett], 1830) | Indo-West Pacific | 1 |
| *Ilisha melastoma* (Bloch & Schneider, 1801) | Indo-West Pacific | 2 |
| *Ilisha megaloptera* (Swainson, 1839) | Indo-West Pacific | 1 |
| *Ilisha filigera* (Valenciennes, 1847) | Indo-West Pacific | 1 |
| *Ilisha novacula* (Valenciennes, 1847) | Indo-West Pacific | No |
| *Ilisha pristigastroides* (Bleeker, 1852) | Indo-West Pacific | 1 |
| *Ilisha macrogaster* Bleeker, 1866 | Indo-West Pacific | 1 |
| *Ilisha kampeni* (Weber & de Beaufort, 1913) | Indo-West Pacific | 2 |
| *Ilisha sirishai* Seshagiri Rao, 1975 | Indo-West Pacific | No |
| *Ilisha obfuscata* Wongratana, 1983 | Indo-West Pacific | 2 |
| *Ilisha striatula* Wongratana, 1983 | Indo-West Pacific | 2 |
| *Ilisha lunula* Kailola, 1986 | Indo-West Pacific | 2 |
| *Ilisha compressa* Randall, 1994 | Indo-West Pacific | 2 |
| *Ilisha amazonica* (Miranda Ribeiro, 1920) | New World | No |
| *Ilisha fuerthii* (Steindachner, 1875) | New World | No |