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### An updated Checklist of the Marine fishes from Syria with emphasis on alien species

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Supplementary Material

An updated Checklist of the Marine fishes from Syria with emphasis on alien species

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**Table 1.** Number of recorded species from Syrian Marin water, and the native range of alien species.

Category	Species	Families	Orders	Alien	Alien species		
					Red Sea	Indian Ocean	Indo-Pacific
Elasmobranchii	40	23	9	2	-	-	2
Holocephali	2	1	1	-	-	-	-
Actinopterygii	256	87	26	54	7	15	32
Total	298	111	36	56	7	15	34

**Table 2.** Updated list of recorded species in Syrian marine water. The status, frequency, fishing gear, the first record (N= native; AL= alien; REX= range expanding).

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Elasmobranchii</b>					
<b>Hexanchiformes</b>					
<b>Hexanchidae</b>					
<i>Heptranchias perlo</i> (Bonnaterre, 1788)	N	frequent		hook & line	Ali & Saad, 2003
<i>Hexanchus griseus</i> (Bonnaterre, 1788)	N	common	yes	hook & line	Ali & Saad, 2003
<b>Lamniformes</b>					
<b>Lamnidae</b>					
<i>Isurus oxyrinchus</i> Rafinesque, 1810	N	frequent		trammel	Ali & Saad, 2003
<b>Cetorhinidae</b>					
<i>Cetorhinus maximus</i> (Gunnerus, 1765)	N	single record		trammel	Ali <i>et al.</i> , 2012
<b>Alopiidae</b>					
<i>Alopias superciliosus</i> Lowe, 1841	N	rare		longline	Ali & Saad, 2003
<b>Carcharhiniformes</b>					
<b>Scyliorhinidae</b>					
<i>Galeus melastomus</i> Rafinesque, 1810	N	frequent		trawl	Ali & Saad, 2003
<i>Scyliorhinus canicula</i> (Linnaeus, 1758)	N	frequent		trawl	Gruvel, 1931
<b>Triakidae</b>					

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Mustelus mustelus</i> (Linnaeus, 1758)	N	frequent		trammel	Gruvel, 1931
<b>Carcharhinidae</b>					
<i>Carcharhinus obscurus</i> (Lesueur, 1818)	N	frequent		trammel	Ali & Saad, 2003
<i>Carcharhinus plumbeus</i> (Nardo, 1827)	N	common	yes	trammel	Ali & Saad, 2003
<b>Squaliformes</b>					
<b>Dalatiidae</b>					
<i>Dalatias licha</i> (Bonnaterre, 1788)	N	frequent		trawl	Ali & Saad, 2003
<b>Somniosidae</b>					
<i>Somniosus rostratus</i> (Risso, 1827)	N	frequent		trawl	Ali & Saad, 2003
<b>Etmopteridae</b>					
<i>Etmopterus spinax</i> (Linnaeus, 1758)	N	frequent		trawl	Capape & Ali, 2017
<b>Oxynotidae</b>					
<i>Oxynotus centrina</i> (Linnaeus, 1758)	N	frequent		trawl	Ali, 2003
<b>Centrophoridae</b>					
<i>Centrophorus granulosus</i> (Bloch & Schneider, 1801)	N	rare		hook & line	Gruvel, 1931
<i>Centrophorus moluccensis</i> Bleeker 1860	N	rare		hook & line	Ali, 2003
<i>Centrophorus uyato</i> (Rafinesque, 1810)	N	frequent		hook & line	Ali & Saad, 2003
<b>Squalidae</b>					
<i>Squalus blainville</i> (Risso, 1827)	N	frequent		hook & line	Ali & Saad, 2003
<i>Squalus megalops</i> (Macleay, 1881)	REX	Single record 15/6/2002		hook & line	Ali, 2003
<b>Squatiniiformes</b>					
<b>Squatinaidae</b>					
<i>Squatina aculeata</i> Cuvier, 1829	N	rare		trawl	Ali, 2003
<i>Squatina oculata</i> Bonaparte, 1840	N	rare		trawl	Ali & Saad, 2003
<i>Squatina squatina</i> (Linnaeus, 1758)	N	rare		trawl	Gruvel, 1931
<b>Torpediniiformes</b>					
<b>Torpedinidae</b>					
<i>Torpedo marmorata</i> Risso, 1810	N	rare		trawl	Gruvel, 1931
<i>Tetronarce nobiliana</i> (Bonaparte, 1835)	N	rare		trawl	Ali, 2003
<i>Torpedo sinuspersici</i> Olfers, 1831	AL	casual		trawl	Ali, 2003
<b>Rhinopristiformes</b>					
<b>Rhinobatidae</b>					
<i>Rhinobatos rhinobatos</i> (Linnaeus, 1758)	N	frequent		trawl	Ali & Saad, 2003
<b>Glaucostegidae</b>					
<i>Glaucostegus cemiculus</i> (Geoffroy Saint-Hilaire, 1817)	N	frequent		trawl	Ali & Saad, 2003

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Rajiformes</b>					
<b>Rajidae</b>					
<i>Dipturus oxyrinchus</i> (Linnaeus, 1758)	N	frequent		trawl	Ali & Saad, 2003
<i>Raja clavata</i> Linnaeus, 1758	N	common		trawl	Gruvel, 1931
<i>Raja miraletus</i> Linnaeus, 1758	N	rare		trawl	Gruvel, 1931
<i>Raja radula</i> Delaroche, 1809	N	rare		trawl	Ali, 2003
<b>Myliobatiformes</b>					
<b>Dasyatidae</b>					
<i>Dasyatis pastinaca</i> (Linnaeus, 1758)	N	frequent		hook & line	Gruvel, 1931
<i>Dasyatis</i> sp. cf. <i>tortonesei</i> Capapé, 1975	N	rare		hook & line	Ali & Saad, 2003
<i>Himantura uarnak</i> (Gmelin 1789)	AL	Rare		beach sweeping	Ali <i>et al.</i> , 2010
<i>Pteroplatytrygon violacea</i> (Bonaparte, 1832)	N	frequent		hook & line	Ali, 2003
<i>Taeniurops grabata</i> (Geoffroy Saint-Hilaire 1817)	N	frequent		beach sweeping	Ali <i>et al.</i> , 2013b
<b>Gymnuridae</b>					
<i>Gymnura altavela</i> (Linnaeus, 1758)	N	frequent		beach sweeping	Ali & Saad, 2003
<b>Myliobatidae</b>					
<i>Aetomylaeus bovinus</i> (Geoffroy Saint- Hilaire, 1817)	N	rare		hook & line	Ali & Saad, 2003
<b>Rhinopteridae</b>					
<i>Rhinoptera marginata</i> (Geof. St. Hilaire, 1817)	N	rare		hook & line	Ali, 2003
<b>Mobulidae</b>					
<i>Mobula mobular</i> (Bonnaterre, 1788)	N	rare		hook & line	Ali & Saad, 2003
<b>Holocephali</b>					
<b>Chimaeriformes</b>					
<b>Chimaeridae</b>					
<i>Chimaera monstrosa</i> Linnaeus, 1758	N	frequent Casual		trawl	Gruvel, 1931
<i>Hydrolagus mirabilis</i> (Collett, 1904)	REX	December, 2011		trawl	Hassan, 2013
<b>Actinopterygii</b>					
<b>Anguilliformes</b>					
<b>Heterenchelyidae</b>					
<i>Panturichthys fowleri</i> (Ben-Tuvia, 1953)	N	rare		trawl	Sbaihi, 1994
<b>Muraenidae</b>					
<i>Enchelycore anatina</i> (Lowe, 1838)	REX	frequent		hook & line	Saad, 2005
<i>Gymnothorax unicolor</i> (Delaroche, 1809)	N	rare		hook & line	Saad, 2005
<i>Muraena helena</i> Linnaeus, 1758	N	frequent		hook & line	Saad, 2005

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Nettastomatidae</b>					
<i>Nettastoma melanurum</i> Rafinesque, 1810	N	frequent		trawl	This study
<b>Congridae</b>					
<i>Ariosoma balearicum</i> (Delaroche, 1809)	N	rare		trawl	Saad, 2005
<i>Conger conger</i> (Linnaeus, 1758)	N	frequent		trawl	Gruvel, 1931
<b>Anguillidae</b>					
<i>Anguilla anguilla</i> (Linnaeus, 1758)	N	common	yes	trawl	Gruvel, 1931
<b>Clupeiformes</b>					
<b>Clupeidae</b>					
<i>Alosa fallax</i> (Lacepède, 1803)	N	common	yes	purse seine	Gruvel, 1931
<i>Herklotsichthys punctatus</i> (Rüppell, 1837)	AL	Frequent		purse seine	Saad, 2005
<i>Sardina pilchardus</i> (Walbaum, 1792)	N	common	yes	purse seine	Saad, 2005
<i>Sardinella aurita</i> Valenciennes, 1847	N	common	yes	purse seine	Gruvel, 1931
<i>Sardinella maderensis</i> (Lowe, 1838)	N	common	yes	purse seine	Gruvel, 1931
<i>Sprattus sprattus</i> (Linnaeus, 1758)	N	common	yes	purse seine	Gruvel, 1931
<b>Dussumieriidae</b>					
<i>Dussumieria elopsoides</i> Bleeker, 1849	AL	common		purse seine	Saad, 2002 Saad, 2002
<i>Etrumeus golanii</i> DiBattista, Randall & Bowen, 2012	AL	frequent		purse seine	Reported as <i>Etrumeus sadina</i> (Mitchill, 1814)
<b>Engraulidae</b>					
<i>Engraulis encrasicolus</i> (Linnaeus, 1758)	N	common	yes	purse seine	Gruvel, 1931
<b>Siluriformes</b>					
<b>Plotosidae</b>					
<i>Plotosus lineatus</i> (Thunberg, 1787)	AL	Frequent		fixed gillnet	Ali <i>et al.</i> , 2015c
<b>Osmeriformes</b>					
<b>Argentinidae</b>					
<i>Argentina sphyraena</i> Linnaeus, 1758	N	common	yes	trawl	Sbaihi, 1994
<i>Glossanodon leioglossus</i> (Valenciennes, 1848)	N	common	yes	trawl	Sbaihi, 1994
<b>Stomiiformes</b>					
<b>Stomiidae</b>					
<i>Stomias boa boa</i> (Risso, 1810)	N	frequent		trawl	This study
<b>Aulopiformes</b>					
<b>Aulopidae</b>					
<i>Aulopus filamentosus</i> (Bloch, 1792)	N	frequent		trawl	Saad, 2005

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Chlorophthalmidae</b>					
<i>Chlorophthalmus agassizi</i> Bonaparte, 1840	N	common	yes	trawl	Ghanem <i>et al.</i> , 2012
<b>Paralepididae</b>					
<i>Sudis hyalina</i> Rafinesque, 1810	N	frequent		trawl	Ali <i>et al.</i> , 2014
<b>Synodontidae</b>					
<i>Saurida lessepsianus</i> Russell, Golani & Tikochinski, 2015	AL	FR	yes	trawl	Anon, 1976 reported as <i>S. undosquamis</i>
<i>Synodus saurus</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<b>Myctophiformes</b>					
<b>Myctophidae</b>					
<i>Myctophum punctatum</i> Rafinesque, 1810	N	rare		trawl	Saad, 2005
<b>Zeiformes</b>					
<b>Zeidae</b>					
<i>Zeus faber</i> Linnaeus, 1758	N	rare		fixed gillnet	Gruvel, 1931
<b>Gadiformes</b>					
<b>Macrouridae</b>					
<i>Coelorinchus caelorhincus</i> (Risso, 1810)	N	frequent		trawl	Ali <i>et al.</i> , 2016b
<i>Hymenocephalus italicus</i> Giglioli, 1884	N	frequent		trawl	This study
<b>Gadidae</b>					
<i>Gadiculus argenteus</i> Guichenot, 1850	N	frequent		hook & line	Sbahi, 1994
<i>Micromesistius poutassou</i> (Risso, 1827)	N	rare		hook & line	Sbahi, 1994
<b>Phycidae</b>					
<i>Phycis phycis</i> (Linnaeus, 1766)	N	frequent		trawl	Sbahi, 1994
<b>Merlucciidae</b>					
<i>Merluccius merluccius</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<b>Beryciformes</b>					
<b>Holocentridae</b>					
<i>Sargocentron rubrum</i> (Forsskål, 1775)	AL	common	yes	fixed gillnet	Anon, 1976
<b>Trachichthyidae</b>					
<i>Hoplostethus mediterraneus</i> Cuvier, 1829	N	frequent		trawl	Gruvel, 1931
<b>Ophidiiformes</b>					
<b>Ophidiidae</b>					
<i>Ophidion barbatum</i> Linnaeus, 1758	N	rare		trawl	Sbahi, 1994
<b>Scombriformes</b>					
<b>Trichiuridae</b>					
<i>Trichiurus lepturus</i> Linnaeus, 1758	N	frequent		trawl	Gruvel, 1931

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Scombridae</b>					
<i>Auxis rochei rochei</i> (Risso, 1810)	N	Common	yes	trolling	Gruvel, 1931
<i>Euthynnus alletteratus</i> (Rafinesque, 1810)	N	Common	yes	trolling	Gruvel, 1931
<i>Katsuwonus pelamis</i> (Linnaeus, 1758)	N	Common	yes	trolling	Sbaihi, 1994
<i>Orcynopsis unicolor</i> (Geoffroy Saint- Hilaire, 1817)	N	frequent		hook & line	Saad, 2005
<i>Sarda sarda</i> (Bloch, 1793)	N	common	yes	trolling	Sbaihi, 1994
<i>Scomber colias</i> Gmelin, 1789	N	common	yes	trolling	Gruvel, 1931 reported as <i>Scomber japonicus</i> Houttuyn, 1782
<i>Scomber scombrus</i> Linnaeus, 1758	N	Common	yes	trolling	Gruvel, 1931
<i>Scomberomorus commerson</i> (Lacepède, 1800)	AL	Common	yes	trolling	Anon, 1976
<b>Syngnathiformes</b>					
<b>Fistulariidae</b>					
<i>Fistularia commersonii</i> Rüppell, 1838	AL	common		fixed gillnet	Saad, 2002
<b>Centriscidae</b>					
<i>Macroramphosus scolopax</i> (Linnaeus, 1758)	N	frequent		trawl	Gruvel, 1931
<b>Syngnathidae</b>					
<i>Hippocampus guttulatus</i> Cuvier, 1829	N	rare		fixed gillnet	Saad, 2005
<i>Hippocampus hippocampus</i> (Linnaeus, 1758)	N	rare		trawl	Sbaihi, 1994
<i>Syngnathus abaster</i> Risso, 1827	N	rare		rod	Saad, 2005
<i>Syngnathus acus</i> Linnaeus, 1758	N	frequent		beach sweeping	Saad, 2005
<b>Gobiiformes</b>					
<b>Gobiidae</b>					
<i>Aphia minuta</i> (Risso, 1810)	N	rare		beach seine	Saad, 2005
<i>Chromogobius quadrivittatus</i> (Steindachner, 1863)	N	rare		trawl	Saad, 2005
<i>Deltentosteus quadrimaculatus</i> (Valenciennes, 1837)	N	rare		trawl	Saad, 2005
<i>Gobius cobitis</i> Pallas, 1811	N	rare		speargun	Gruvel, 1931
<i>Gobius cruentatus</i> Gmelin, 1789	N	rare		trawl	Saad, 2005
<i>Gobius niger</i> Linnaeus, 1758	N	rare		beach sweeping	Gruvel, 1931
<i>Gobius paganellus</i> Linnaeus, 1758	N	rare		beach sweeping	Saad, 2005
<i>Lesueurigobius friesii</i> (Malm, 1874)	N	rare		fixed gillnet	Saad, 2005
<i>Oxyurichthys petersii</i> (Valenciennes, 1837)	AL	rare		fixed gillnet	Saad & Sbaihi, 1992 (in Saad, 2005)
<i>Silhouettea aegyptia</i> (Chabanaud, 1933)	AL	rare		trawl	Sbaihi, 1994

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Zebrus zebrus</i> (Risso, 1827)	N	rare		fixed gillnet	Saad, 2005
<b>Istiophoriformes</b>					
<b>Xiphiidae</b>					
<i>Xiphias gladius</i> Linnaeus, 1758	N	common	yes	hook & line	Gruvel, 1931
<b>Pleuronectiformes</b>					
<b>Citharidae</b>					
<i>Citharus linguatula</i> (Linnaeus, 1758)	N	frequent		trawl	Sbahi, 1994
<b>Scophthalmidae</b>					
<i>Lepidorhombus boscii</i> (Risso, 1810)	N	frequent		beach sweeping	Saad, 2005
<i>Lepidorhombus whiffiagonis</i> (Walbaum, 1792)	N	frequent		fixed gillnet	Saad, 2005
<i>Scophthalmus rhombus</i> (Linnaeus, 1758)	N	rare		fixed gillnet	Sbahi, 1994
<b>Bothidae</b>					
<i>Arnoglossus kessleri</i> Schmidt, 1915	N	rare		trawl	Saad, 2005
<i>Arnoglossus laterna</i> (Walbaum, 1792)	N	frequent		trawl	Saad, 2005
<i>Bothus podas</i> (Delaroche, 1809)	N	rare		trawl	Sbahi, 1994
<b>Soleidae</b>					
<i>Dicologlossa cuneata</i> (Moreau, 1881)	N	rare		trawl	Ali <i>et al.</i> , 2015a
<i>Microchirus ocellatus</i> (Linnaeus, 1758)	N	rare		trawl	Saad, 2005
<i>Pegusa impar</i> (Bennett, 1831)	N	Single record		trawl	Ali <i>et al.</i> , 2018
<i>Pegusa lascaris</i> (Risso, 1810)	N	common	yes	trawl	Sbahi, 1994
<i>Solea solea</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<i>Synapturichthys kleinii</i> (Risso, 1827)	N	frequent		trawl	Ali <i>et al.</i> , 2015b
<b>Cynoglossidae</b>					
<i>Cynoglossus sinusarabici</i> (Chabanaud, 1931)	AL	rare		bottom cage	Saad & Sbahi, 1992 (in Saad, 2005)
<i>Symphurus nigrescens</i> Rafinesque, 1810	N	rare		speargun	Saad, 2005
<b>Atheriniformes</b>					
<b>Atherinidae</b>					
<i>Atherina boyeri</i> Risso, 1810	N	rare		trawl	Saad, 2005 Saad <i>et al.</i> , 2002
<i>Atherinomorus forskalii</i> (Rüppell, 1838)	AL	rare		trawl	Reported as <i>Atherinomorus pinguis</i> (Lacepède, 1803)

(continued)



Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Cyprinodontiformes</b>					
<b>Cyprinodontidae</b>					
<i>Aphanius dispar dispar</i> (Rüppell, 1829)	N	rare		trawl	Saad, 2005
<b>Beloniformes</b>					
<b>Belonidae</b>					
<i>Belone belone</i> (Linnaeus, 1760)	N	common	yes	hook & line	Gruvel, 1931
<i>Tylosurus choram</i> (Rüppell, 1837)	AL	rare		floating net	Saad <i>et al.</i> , 2002
<b>Hemiramphidae</b>					
<i>Hemiramphus far</i> (Forsskål, 1775)	AL	common	yes	purse seine	Gruvel, 1931
<i>Hyporamphus affinis</i> (Günther, 1866)	AL	rare		fixed gillnet	Saad, 2005
<b>Exocoetidae</b>					
<i>Cheilopogon heterurus</i> (Rafinesque, 1810)	N	common	yes	fixed gillnet	Saad, 2005
<i>Hirundichthys rondeletii</i> (Valenciennes, 1847)	N	frequent		floating net	Sbaihi, 1994
<i>Parexocoetus mento</i> (Valenciennes, 1847)	AL	frequent		floating net	Saad <i>et al.</i> , 2002
<b>Mugiliformes</b>					
<b>Mugilidae</b>					
<i>Chelon auratus</i> (Risso, 1810)	N	common	yes	trammel	Gruvel, 1931 as <i>Liza aurata</i> (Risso, 1810)
<i>Chelon labrosus</i> (Risso, 1827)	N	common	yes	trammel	Gruvel, 1931
<i>Chelon ramada</i> (Risso, 1827)	N	common	yes	trammel	Saad, 2005 as <i>Liza ramada</i> (Risso, 1810)]
<i>Chelon saliens</i> (Risso, 1810)	N	common	yes	trammel	Gruvel, 1931
<i>Liza carinata</i> (Valenciennes, 1836)	AL	frequent		trammel	Saad, 1995 (in Saad, 2005)
<i>Mugil cephalus</i> Linnaeus, 1758	N	common	yes	trammel	Saad, 2005
<i>Oedalechilus labeo</i> (Cuvier, 1829)	N	common	yes	trammel	Gruvel, 1931
<b>Gobiesociformes</b>					
<b>Gobiesocidae</b>					
<i>Lepadogaster candolii</i> Risso 1810	N	rare		landing net	Sbaihi, 1994
<i>Lepadogaster lepadogaster</i> (Bonnaterre, 1788)	N	rare		trawl	Sbaihi, 1994
<b>Blenniiformes</b>					
<b>Tripterygiidae</b>					
<i>Tripterygion delaisi</i> Cadenat & Blanche, 1970	N	rare		landing net	Sbaihi, 1994
<i>Tripterygion melanurum</i> Guichenot, 1850	N	rare		trawl	Sbaihi, 1994
<i>Tripterygion tripteronotum</i> (Risso, 1810)	N	rare		fixed gillnet	Saad, 2005

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<b>Clinidae</b>					
<i>Clinitrachus argentatus</i> (Risso, 1810)	N	rare		landing net	Sbahihi, 1994
<b>Blenniidae</b>					
<i>Aidablennius sphyinx</i> (Valenciennes, 1836)	N	rare		trawl	Hallome <i>et al.</i> , 2014
<i>Blennius ocellaris</i> Linnaeus, 1758	N	rare		fixed gillnet	Saad, 2005
<i>Coryphoblennius galerita</i> (Linnaeus, 1758)	N	rare		trawl	Saad, 2005
<i>Lipophrys trigloides</i> (Valenciennes, 1836)	N	rare		fixed gillnet	Saad, 2005
<i>Microlipophrys canevas</i> (Vinciguerra, 1880)	N	rare		fixed gillnet	Saad, 2005
<i>Microlipophrys nigriceps</i> (Vinciguerra, 1883)	N	rare		fixed gillnet	Saad, 2005
<i>Parablennius incognitus</i> (Bath, 1968)	N	rare		fixed gillnet	Saad, 2005
<i>Parablennius rouxi</i> (Cocco, 1833)	N	rare		fixed gillnet	Saad, 2005
<i>Parablennius tentacularis</i> (Brunnich, 1768)	N	rare		fixed gillnet	Saad, 2005
<i>Paralennius gattorugine</i> Linnaeus, 1758)	N	rare		fixed gillnet	Saad, 2005
<i>Paralennius sanguinolentus</i> (Pallas, 1814)	N			cast net	Saad, 2005
<i>Petroscirtes ancylodon</i> Rüppell, 1835	AL	frequent		trawl	Saad, 2002
<i>Salaria pavo</i> (Risso, 1810)	N	frequent		landing net	Gruvel, 1931
<i>Scartella cristata</i> (Linnaeus, 1758)	N	frequent		landing net	Sbahihi, 1994
<i>Brama brama</i> (Bonnaterre, 1788)	N	frequent		hook & line	Sbahihi, 1994
<b>Lophiiformes</b>					
<b>Lophiidae</b>					
<i>Lophius budegassa</i> Spinola, 1807	N	frequent		trawl	Saad, 2005
<i>Lophius piscatorius</i> Linnaeus, 1758	N	frequent		trawl	Saad, 2005
<b>Tetraodontiformes</b>					
<b>Molidae</b>					
<i>Mola mola</i> (Linnaeus, 1758)	N	rare		fixed gillnet	Saad, 2005
<b>Tetraodontidae</b>					
<i>Lagocephalus sceleratus</i> (Gmelin, 1789)	AL	frequent		fixed gillnet	Khalaf <i>et al.</i> , 2014
<i>Lagocephalus guentheri</i> (Miranda Ribeiro, 1915)	AL	frequent		hook & line	Anon, 1976 as <i>L. spadiceus</i>
<i>Lagocephalus suezensis</i> Clark & Gohar, 1953	AL	frequent		trawl	Saad <i>et al.</i> , 2002
<i>Sphoeroides pachygaster</i> (Müller & Troschel, 1848)	REX	frequent		trawl	Rahman <i>et al.</i> , 2014
<i>Torquigener flavimaculosus</i> Hardy & Randall, 1983	AL	frequent		speargun	Sabour <i>et al.</i> , 2014
<b>Ostraciidae</b>					
<i>Tetrosomus gibbosus</i> (Linnaeus, 1758)	AL	rare		hook & line	Saad, 2002
<b>Monacanthidae</b>					

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Stephanolepis diaspros</i> Fraser-Brunner, 1940	AL	common	yes	trammel	Gruvel, 1929
<b>Balistidae</b>					
<i>Balistes capriscus</i> Gmelin, 1789	N	common	yes	trammel	Gruvel, 1931
<b>Scorpaeniformes</b>					
<b>Sebastidae</b>					
<i>Helicolenus dactylopterus</i> (Delaroche, 1809)	N	frequent		hook & line	Saad, 2005
<b>Scorpaenidae</b>					
<i>Pterois miles</i> (Bennet, 1828)	AL	frequent		trawl	Ali <i>et al.</i> , 2016a
<i>Scorpaena elongata</i> Cadenat, 1943	N	common	yes	fixed gillnet	Saad, 2005
<i>Scorpaena maderensis</i> Valenciennes, 1833	N	frequent		fixed gillnet	Saad, 2005
<i>Scorpaena notata</i> Rafinesque, 1810	N	frequent		hook & line	Saad, 2005
<i>Scorpaena porcus</i> Linnaeus, 1758	N	frequent		trawl	Sbaihi, 1994
<i>Scorpaena scrofa</i> Linnaeus, 1758	N	common	yes	fixed gillnet	Gruvel, 1931
<b>Dactylopteridae</b>					
<i>Dactylopterus volitans</i> (Linnaeus, 1758)	N	frequent		hook & line	Gruvel, 1931
<b>Triglidae</b>					
<i>Chelidonichthys cuculus</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<i>Chelidonichthys lastoviza</i> (Bonnaterre, 1788)	N	common	yes	trawl	Sbaihi, 1994
<i>Chelidonichthys lucerna</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<i>Eutrigla gurnardus</i> (Linnaeus, 1758)	N	frequent		trawl	Saad, 2005
<i>Lepidotrigla cavillone</i> (Lacepede, 1801)	N	Common	yes	trawl	Anon, 1976
<i>Lepidotrigla dieuzeidei</i> Blanc & Hureau, 1973	N	frequent		fixed gillnet	Saad, 2005
<i>Trigla lyra</i> Linnaeus, 1758	N	common	yes	fixed gillnet	Gruvel, 1931
<b>Peristediidae</b>					
<i>Peristedion cataphractum</i> (Linnaeus, 1758)	N	frequent		trawl	Saad, 2005
<b>Platycephalidae</b>					
<i>Platycephalus indicus</i> (Linnaeus, 1758)	AL	rare		trawl	Saad <i>et al.</i> , 2002
<b>Perciformes</b>					
<b>Moronidae</b>					
<i>Dicentrarchus labrax</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Sbaihi, 1994
<i>Dicentrarchus punctatus</i> (Bloch, 1792)	N	common	yes	trolling	Sbaihi, 1994
<b>Serranidae</b>					
<i>Anthias anthias</i> (Linnaeus, 1758)	N	frequent		fixed net	Sbaihi, 1994
<i>Epinephelus aeneus</i> (Geoffroy Saint-Hilaire, 1817)	N	common	yes	hook & line	Sbaihi, 1994
<i>Epinephelus costae</i> (Steindachner, 1878)	N	common	yes	hook & line	Gruvel, 1931

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Epinephelus fasciatus</i> (Forsskål, 1775)	AL	frequent		hook & line	Foulquie & Dupuy dela Grandrive, 2003
<i>Epinephelus marginatus</i> (Lowe, 1834)	N	common	yes	hook & line	Gruvel, 1931
<i>Hyporthodus haifensis</i> (Ben-Tuvia, 1953)	N	common	yes	hook & line	Gruvel, 1931
<i>Mycteroperca rubra</i> (Bloch, 1793)	N	frequent		fixed gillnet	Saad, 2005
<i>Serranus cabrilla</i> (Linnaeus, 1758)	N	common	yes	trawl	Sbahi, 1994
<i>Serranus hepatus</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<i>Serranus scriba</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Gruvel, 1931
<b>Callanthiidae</b>					
<i>Callanthias ruber</i> (Rafinesque, 1810)	N	frequent		fixed gillnet	Saad, 2005
<b>Terapontidae</b>					
<i>Pelates quadrilineatus</i> (Bloch, 1790)	AL	frequent		fixed gillnet	Saad, 2005
<i>Terapon puta</i> (Cuvier, 1829)	AL	rare		fixed gillnet	Saad, 2005
<b>Apogonidae</b>					
<i>Apogon imberbis</i> (Linnaeus, 1758)	N	frequent		trawl	Sbahi, 1994
<i>Apogonichthyoides pharaonis</i> (Bellotti, 1874)	AL	rare		fixed gillnet	Sbahi & Saad, 1992 (in Saad, 2005)
<i>Cheilodipterus novemstriatus</i> (Rüppell, 1838)	AL	frequent		landing net	Ali <i>et al.</i> , in press
<i>Epigonus constanciae</i> (Giglioli, 1880)	N	frequent		trawl	Sbahi, 1994
<i>Jaydia smithi</i> Kotthaus, 1970	AL	Single record		fixed gillnet	Alshawy <i>et al.</i> , 2017
<b>Pomatomidae</b>					
<i>Pomatomus saltatrix</i> (Linnaeus, 1766)	N	common	yes	trammel	Gruvel, 1931
<b>Echeneidae</b>					
<i>Echeneis naucrates</i> Linnaeus, 1758	N	rare		trawl	Gruvel 1931
<b>Carangidae</b>					
<i>Alectis alexandrina</i> (Geoffroy Saint-Hilaire, 1817)	N	frequent		trawl	Gruvel, 1931
<i>Alepes djedaba</i> (Forsskål, 1775)	AL	frequent		fixed gillnet	Bauchot, 1987
<i>Caranx crysos</i> (Mitchill, 1815)	N	common	yes	beach sweeping	Sbahi, 1994
<i>Caranx rhonchus</i> Geoffroy saint-Hilaire, 1817	N	common	yes	trawl	Anon, 1976
<i>Lichia amia</i> (Linnaeus, 1758)	N	common	yes	beach sweeping	Gruvel, 1931
<i>Pseudocaranx dentex</i> (Bloch & Schneider, 1801)	N	frequen		fixed gillnet	Saad, 2005
<i>Seriola dumerili</i> (Risso, 1810)	N	common	yes	trolling	Gruvel, 1931
<i>Seriola fasciata</i> (Bloch, 1793)	N	frequen		purse seining	Jawad <i>et al.</i> , 2015
<i>Trachinotus ovatus</i> (Linnaeus, 1758)	N	common	yes	beach sweeping	Gruvel, 1931

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Trachurus mediterraneus</i> (Steindachner, 1868)	N	common	yes	trawl	Sbaihi, 1994
<i>Trachurus picturatus</i> (Bowdich, 1825)	N	frequent		trawl	Saad, 2005
<i>Trachurus trachurus</i> (Linnaeus, 1758)	N	common	yes	trawl	Anon, 1976
<b>Coryphaenidae</b>					
<i>Coryphaena hippurus</i> Linnaeus, 1758	N	common	yes	trolling	Gruvel, 1931
<b>Leiognathidae</b>					
<i>Equulites klunzingeri</i> (Steindachner, 1898)	AL	frequent		beach sweeping	Gruvel, 1931
<i>Leiognathus berbis</i> (Valenciennes, 1835)	AL	frequent		fixed gillnet	Alshawy <i>et al.</i> , 2016
<b>Lobotidae</b>					
<i>Lobotes surinamensis</i> (Bloch, 1790)	N	frequent		fixed gillnet	Gruvel, 1931
<b>Haemulidae</b>					
<i>Pomadasys incisus</i> (Bowdich, 1825)	N	common	yes	trammel	Sbaihi, 1994
<i>Pomadasys stridens</i> (Forsskål, 1775)	AL	frequent		fixed gillnet	Saad, 2005
<b>Sparidae</b>					
<i>Boops boops</i> (Linnaeus, 1758)	N	frequent		trammel	Gruvel, 1931
<i>Centracanthus cirrus</i> Rafinesque, 1810	N	common	yes	trammel	Sbaihi, 1994
<i>Crenidens crenidens</i> (Forsskal, 1775)	AL	frequent		hook & line	Saad <i>et al.</i> , 2002
<i>Dentex dentex</i> (Linnaeus, 1758)	N	Common	yes	trawl	Anon, 1976
<i>Dentex gibbosus</i> (Rafinesque, 1810)	N	Common	yes	trawl	Anon, 1976
<i>Dentex macrophthalmus</i> (Bloch, 1791)	N	Common	yes	hook & line	Gruvel, 1931
<i>Dentex maroccanus</i> Valenciennes, 1830	N	Common	yes	trawl	Gruvel, 1931
<i>Diplodus annularis</i> (Linnaeus, 1758)	N	Common	yes	hook & line	Gruvel, 1931
<i>Diplodus cervinus</i> (Lowe, 1838)	N	Common	yes	beach sweeping	Gruvel, 1931
<i>Diplodus puntazzo</i> (Walbaum, 1792)	N	Common	yes	fixed gillnet	Sbaihi, 1994
<i>Diplodus sargus</i> (Linnaeus, 1758)	N	Common	yes	fixed gillnet	Gruvel, 1931
<i>Diplodus vulgaris</i> (Geoffroy Saint-Hilaire, 1817)	N	Common	yes	fixed gillnet	Gruvel, 1931
<i>Evynnis ehrenbergii</i> (Valenciennes, 1830)	N	frequent		fixed gillnet	Saad, 2005
<i>Lithognathus mormyrus</i> (Linnaeus, 1758)	N	Common	yes	beach sweeping	Gruvel, 1931
<i>Oblada melanura</i> (Linnaeus, 1758)	N	Common	yes	beach sweeping	Gruvel, 1931
<i>Pagellus acarne</i> (Risso, 1827)	N	Common	yes	fixed gillnet	Gruvel, 1931
<i>Pagellus bellottii</i> Steindachner, 1882	N	Common	yes	trawl	Sbaihi, 1994
<i>Pagellus erythrinus</i> (Linnaeus, 1758)	N	Common	yes	trawl	Gruvel, 1931
<i>Pagrus auriga</i> Valenciennes, 1843	N	Common	yes	fixed gillnet	Gruvel, 1931
<i>Pagrus caeruleostictus</i> (Valenciennes, 1830)	N	Common	yes	hook & line	Gruvel, 1931
<i>Pagrus pagrus</i> (Linnaeus, 1758)	N	common	yes	trawl	Gruvel, 1931

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Rhabdosargus haffara</i> (Forsskål, 1775)	AL	frequent		fixed gillnet	Saad, 2005
<i>Sarpa salpa</i> (Linnaeus, 1758)	N	frequent		fixed gillnet	Gruvel, 1931
<i>Sparus aurata</i> Linnaeus, 1758	N	Common	yes	fixed gillnet	Gruvel, 1931
<i>Pagrus caeruleostictus</i> (Valenciennes, 1830)	N	frequent		hook & line	Saad, 2005
<i>Spicara maena</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Sbaihi, 1994
<i>Spicara smaris</i> (Linnaeus, 1758)	N	common	yes	trawl	Gruvel, 1931
<i>Spondyliosoma cantharus</i> (Linnaeus, 1758)	N	Common	yes	trawl	Gruvel, 1931
<b>Nemipteridae</b>					
<i>Nemipterus randalli</i> Russell, 1986	AL	frequent		fixed gillnet	Ali <i>et al.</i> , 2013a
<b>Mullidae</b>					
<i>Mullus barbatus barbatus</i> Linnaeus, 1758	N	Common	yes	trammel	Gruvel, 1931
<i>Mullus surmuletus</i> Linnaeus, 1758	N	Common	yes	bottom cage	Anon, 1976
<i>Parupeneus forsskali</i> (Fourmanoir & Guèzè, 1976)	AL	common		trammel	Ali <i>et al.</i> , 2016c.
<i>Upeneus moluccensis</i> (Bleeker, 1855)	AL	Common	yes	trammel	Gruvel, 1931
<i>Upeneus pori</i> Ben-Tuvia & Golani, 1989	AL	frequent		trammel	Sbaihi & Saad, 1992 (in Saad, 2005)
<b>Pempheridae</b>					
<i>Pempheris rhomboidea</i> Kossmann & Räuber, 1877	AL	common	yes	speargun	Sbaihi & Saad, 1992 (in Saad, 2005) Reported as <i>Pempheris vanicolensis</i> Cuvier, 1831
<b>Chaetodontidae</b>					
<i>Chaetodon larvatus</i> Cuvier, 1831	AL	single record		speargun	Ali <i>et al.</i> , 2017c
<i>Champsodon nudivittis</i> (Ogilby, 1895)	AL	rare		trawl	Ali <i>et al.</i> , 2017d
<b>Pomacanthidae</b>					
<i>Pomacanthus imperator</i> (Bloch, 1787)	AL	single record		speargun	Capape <i>et al.</i> , 2018
<i>Chromis chromis</i> (Linnaeus, 1758)	N	frequent		fixed gillnet	Sbaihi, 1994
<b>Cepolidae</b>					
<i>Cepola macrophthalmma</i> (Linnaeus, 1758)	N	frequent		trawl	Sbaihi, 1994
<b>Labridae</b>					
<i>Acantholabrus palloni</i> (Risso, 1810)	N	frequent		fixed gillnet	Saad, 2005
<i>Coris julis</i> (Linnaeus, 1758)	N	rare		trammel	Gruvel, 1931
<i>Labrus merula</i> Linnaeus, 1758	N	frequent		fixed gillnet	Foulquie & Dupuy de la Grandrive, 2003

(continued)

Table 2 continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Labrus mixtus</i> Linnaeus, 1758	N	frequent		fixed gillnet	Foulquie & Dupuy de la Grandrive, 2003
<i>Pteragogus trispilus</i> Randall, 2013	AL	rare		fixed gillnet	Soliman <i>et al.</i> , 2014 as <i>P. pelycus</i>
<i>Symphodus cinereus</i> (Bonnaterre, 1788)	N	frequent		fixed gillnet	Saad, 2005
<i>Symphodus mediterraneus</i> (Linnaeus, 1758)	N	rare		fixed gillnet	Saad, 2005
<i>Symphodus roissali</i> (Risso, 1810)	N	rare		fixed gillnet	Saad, 2005
<i>Symphodus tinca</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Sbaihi, 1994
<i>Thalassoma pavo</i> (Linnaeus, 1758)	N	rare		fixed gillnet	Sbaihi, 1994
<i>Xyrichtys novacula</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Anon, 1976
<b>Scaridae</b>					
<i>Scarus ghobban</i> Forsskål, 1775	AL	frequent		bottom cage	This study
<i>Sparisoma cretense</i> (Linnaeus 1758)	N	common	yes	trammel	Gruvel, 1931
<i>Argyrosomus regius</i> (Asso, 1801)	N	frequent		trawl	Saad, 2005
<b>Sciaenidae</b>					
<i>Sciaena umbra</i> Linnaeus, 1758	N	common	yes	fixed gillnet	Gruvel, 1931
<i>Umbrina cirrosa</i> (Linnaeus, 1758)	N	common	yes	fixed gillnet	Gruvel, 1931
<b>Trachinidae</b>					
<i>Echiichthys vipera</i> (Cuvier, 1829)	N	frequent		fixed gillnet	Saad, 2005
<i>Trachinus araneus</i> Cuvier, 1829	N	rare		fixed gillnet	Gruvel, 1931
<i>Trachinus draco</i> Linnaeus, 1758	N	rare		trawl	Gruvel, 1931
<i>Trachinus radiatus</i> Cuvier, 1829	N	rare		fixed gillnet	Saad, 2005
<b>Trichiuridae</b>					
<i>Lepidopus caudatus</i> (Euphrasen, 1788)	N	frequent		fixed gillnet	Saad, 2005
<b>Uranoscopidae</b>					
<i>Uranoscopus scaber</i> Linnaeus, 1758	N	frequent		trawl	Gruvel, 1931
<b>Callionymidae</b>					
<i>Callionymus filamentosus</i> Valenciennes, 1837	AL	frequent		trawl	Saad & Sbaihi, 1992 (in Saad, 2005)
<b>Siganidae</b>					
<i>Siganus javus</i> (Linnaeus, 1766)	AL	single record		trammel	Ibrahim <i>et al.</i> , 2010
<i>Siganus luridus</i> (Rüppel, 1829)	AL	common	yes	trammel	Gruvel, 1931
<i>Siganus rivulatus</i> Forsskål & Niebuhr, 1775	AL	common	yes	trammel	Gruvel, 1931
<b>Sphyraenidae</b>					
<i>Sphyraena chrysotaenia</i> Klunzinger, 1884	AL	frequent		bottom cage	Saad, 2002
<i>Sphyraena flavicauda</i> Rüppel, 1838	AL	frequent		fixed gillnet	Saad <i>et al.</i> , 2002

(continued)

**Table 2** continued

Species	Status	Frequency	Commercial	Fishing gear	First record
<i>Sphyaena sphyaena</i> (Linnaeus, 1758)	N	Common	yes	trammel	Gruvel, 1931
<i>Sphyaena viridensis</i> Cuvier, 1829	N	Common	yes	trammel	Gruvel, 1931
<b>Caproidae</b>					
<i>Capros aper</i> (Linnaeus, 1758)	N	rare		trawl	Sbaihi, 1994

**Table 3.** Alien species in Syrian marine water, Category, native rang, first detection, first location area(s), and first records. Species in alphabetic order within each class. Est= established, sin= single record, cas= casual.

Species	category	Native range	First detection & first location area(s)	First record
<b>Elasmobranchii</b>				
<i>Himantura uarnak</i>	est	Indo-Pacific	South west Tartous; 34.88333333 N, 35.88333333 E; 24/4/2008	Ali <i>et al.</i> , 2010
<i>Torpedo sinuspersici</i>	cas	Indo-Pacific	Jableh; 19/5/2002	Ali, 2003
<b>Actinopterygii</b>				
<i>Alepes djedaba</i>	est	Indo-Pacific	Syrian Coast; 1987	Bauchot, 1987
<i>Apogonichthyoides pharaonis</i>	est	Indo-Pacific	Syrian Coast; 1991	Sbaihi & Saad, 1992 (in Saad, 2005)
<i>Atherinomorus forskalii</i>	est	Indo-Pacific	Syrian Coast; 1999	Saad <i>et al.</i> , 2002
<i>Callionymus filamentosus</i>	est	Indo-Pacific	Syrian Coast; 1991	Saad & Sbaihi, 1992 (in Saad, 2005)
<i>Chaetodon larvatus</i>	sin	Indian	Tartous 34.83333333 N; 35.85000000 E ; 27 /11/ 2016	Ali <i>et al.</i> , 2017c
<i>Champsodon nudivittis</i>	est	Indo-Pacific	Jableh 35.36666667 N; 35.86666667 E; 22 /5/ 2015	Ali <i>et al.</i> , 2017d
<i>Cheilodipterus novemstriatus</i>	est	Indian	35.48333334 N; 35.76666667 E; 2 / 10/ 2016	Ali <i>et al.</i> , in press
<i>Crenidens crenidens</i>	est	Indo-Pacific	Syrian Coast; 2001	Saad <i>et al.</i> , 2002
<i>Cynoglossus sinuarabici</i>	est	Indo-Pacific	Syrian Coast; 1991	Saad & Sbaihi, 1992 (in Saad, 2005)
<i>Dussumieria elopsoides</i>	est	Indo-Pacific	Syrian Coast; 2001	Saad, 2002
<i>Epinephelus fasciatus</i>	sin	Red Sea	Jebel Akra'a & Borg Islam; November 2002	Foulquie & Dupuy de la Grandrive, 2003
<i>Equulites klunzingeri</i>	est	Indo Pacific	Syrian Coast; 1930	Gruvel, 1931
<i>Etrumeus golanii</i>	est	Indian	Syrian coast, 2001	Saad, 2002 Reported as <i>Etrumeus sadina</i>
<i>Fistularia commersonii</i>	est	Indo-Pacific	Syrian Coast; 2001	Saad, 2002
<i>Hemiramphus far</i>	est	Indo-Pacific	Syrian Coast; 1929	Gruvel, 1931

(continued)



Table 3 continued

Species	category	Native range	First detection & first location area(s)	First record
<i>Herklotsichthys punctatus</i>	est	Indo-Pacific	Syrian Coast; 2004	Saad, 2005
<i>Hyporamphus affinis</i>	est	Indo-Pacific	Syrian Coast; 1996	Saad, 2005
<i>Jaydia smithi</i>	sin	Red Sea	Ibn Hani 35.58333333 N, 35.71666667 E; 2 May 2016	Alshawy <i>et al.</i> , 2017
<i>Lagocephalus sceleratus</i>	est	Indo-Pacific	Lattakia; 2012	Khalaf <i>et al.</i> , 2014
<i>Lagocephalus suezensis</i>	est	Red Sea	Lattakia; 2001	Saad <i>et al.</i> , 2002
<i>Lagocephalus guentheri</i>	est			Anon, 1976 as <i>L. spadiceus</i>
<i>Leiognathus berbis</i>	est	Indo-Pacific	Lattakia 35.98333333 N, 35.71666667 E; 5/5/2016	Alshawy <i>et al.</i> , 2016
<i>Liza carinata</i>	est	Indian	Syrian Coast; 1995 Rass Eben Hani	Saad, 1995
<i>Nemipterus randalli</i>	est	Indian	35.60000000 N; 35.66666667 E; 21 /11/2013	Ali <i>et al.</i> , 2013a
<i>Oxyurichthys petersii</i>	est	Red Sea	Syrian Coast; 1991	Saad & Sbaihi, 1992 (in Saad, 2005)
<i>Parexocoetus mento</i>	est	Indo-Pacific	Syrian Coast; 1997-1998	Saad <i>et al.</i> , 2002
<i>Parupeneus forsskali</i>	est	Indian	Northern Jableh 35.36666667 N; 35.83333333 E; 29/5/2015	Ali <i>et al.</i> , 2016c.
<i>Pelates quadrilineatus</i>	est	Indo-Pacific	Syrian Coast; 2004	Saad, 2005
<i>Pempheris rhomboidea</i>	est	Indo-Pacific	Syrian Coast; 1991	Sbaihi & Saad, 1992 (in Saad, 2005) reported as <i>Pempheris vanicolensis</i>
<i>Petroscirtes ancylodon</i>	est	Indian	Syrian Coast; 2002	Saad, 2002
<i>Platycephalus indicus</i>	est	Indo-Pacific	Syrian Coast; 2001	Saad <i>et al.</i> , 2002
<i>Plotosus lineatus</i>	est	Indo-Pacific	Tartous; 34.85000000 N; 35.86666667 E; 29 /10 /2014	Ali <i>et al.</i> , 2015c
<i>Pomacanthus imperator</i>	sin	Indo-Pacific	Jableh 35.31666667 N ; 35.91666667 E; 13/7/2017	Capape <i>et al.</i> , 2018
<i>Pomadasys stridens</i>	est	Indian	Syrian Coast; 2004 Tartous	Saad, 2005
<i>Pteragogus trispilus</i>	est	Indian	34.85000000 N; 35.80000000 E; 15 /2 /2014	Soliman <i>et al.</i> , 2014
<i>Pterois miles</i>	est	Indian	Lattakia to Jableh 35.40000000 N, 35.90000000 E & 35.31666667 N, 35.85000000 E; 28 /9/ 2015	Ali <i>et al.</i> , 2016a
<i>Rhabdosargus haffara</i>	est	Red Sea	Borg Islam; 2002	Saad, 2005
<i>Sargocentron rubrum</i>	est	Indo-Pacific	Syrian Coast; 1975	Anon, 1976
<i>Saurida lessepsianus</i>	est	Indo-Pacific	Syrian Coast; 1975	Anon, 1976 as <i>Saurida undosquamis</i>
<i>Scarus ghobban</i>	est	Indo-Pacific	Tartous; 1/10/2013	This study

(continued)

**Table 3** continued

Species	category	Native range	First detection & first location area(s)	First record
<i>Scomberomorus commerson</i>	est	Indo-Pacific	Syrian Coast; 1975	Anon, 1976
<i>Siganus luridus</i>	est	Indian	Syrian Coast; 1930	Gruvel, 1931
<i>Siganus rivulatus</i>	est	Red Sea	Syrian Coast; 1929	Gruvel, 1931
<i>Siganus javus</i>	sin	Indo-Pacific	Lattakia 35.51666667 N; 35.73333333 E; 10 /10/ 2009	Ibrahim <i>et al.</i> , 2010
<i>Silhouettea aegyptia</i>	est	Indian	Syrian Coast; 1992	Sbahi, 1994
<i>Sphyaena chrysotaenia</i>	est	Indo-Pacific	Syrian Coast; 1997	Saad, 2002
<i>Sphyaena flavicauda</i>	est	Indo-Pacific	Syrian Coast; 1999	Saad <i>et al.</i> , 2002
<i>Stephanolepis diaspros</i>	est	Indian	Syrian Coast; 1929	Gruvel, 1929
<i>Terapon puta</i>	est	Indo-Pacific	Syrian Coast; 2003	Saad, 2005
<i>Tetrosomus gibbosus</i>	est	Indo-Pacific	Syrian Coast; 2002	Saad, 2002
<i>Torquigener flavimaculosus</i>	est	Indian	Trawling from Rass Albassit-Tartous; 2009	Sabour <i>et al.</i> , 2014
<i>Tylosurus choram</i>	est	Indian	Syrian Coast; 2001	Saad <i>et al.</i> , 2002
<i>Upeneus moluccensis</i>	est	Indo-Pacific	Syrian Coast; 1930	Gruvel, 1931
<i>Upeneus pori</i>	est	Red Sea	Syrian Coast; 1991	Sbahi & Saad, 1992 (in Saad, 2005)

**Table 4.** List of fish species, reported by Foulquie & Dupuy de la Grandrive (2003), (N= native; AL= alien), that were disregarded in the present work because the records were not documented by photos or voucher material.

Species	Family	status	Native Range
<b>Elasmobranchii</b>			
<i>Alopias vulpinus</i> (Bonnaterre, 1788)	Alopiidae	N	
<i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	Charcharhinidae	REX	Red Sea
<i>Mobula birostris</i> (Walbaum, 1792)		N	
<i>Prionace glauca</i> (Linnaeus, 1758)	Charcharhinidae	N	
<i>Scyliorhinus stellaris</i> (Linnaeus, 1758)	Scyliorhinidae	N	
<i>Squalus acanthias</i> Linnaeus, 1758	Squalidae	N	
<b>Actinopterygii</b>			
<i>Chelidonichthys obscurus</i> (Walbaum, 1792)	Triglidae	N	
<i>Cylichthys spilostylus</i> (Leis & Randall, 1982)	Diodontidae	AL	Red Sea
<i>Dalophis imberbis</i> (Delaroche, 1809)	Ophichthidae	N	
<i>Dagetichthys lusitanicus</i> (de Brito Capello, 1868)	Soleidae	N	
<i>Epinephelus caninus</i> (Valenciennes, 1843)	Serranidae	N	
<i>Epinephelus coioides</i> (Hamilton, 1822)	Serranidae	AL	Red Sea

(continued)

**Table 4** continued

<b>Species</b>	<b>Family</b>	<b>status</b>	<b>Native Range</b>
<i>Epinephelus malabaricus</i> (Bloch & Schneider, 1801)	Serrenidae	AL	Red Sea
<i>Labrus viridis</i> Linnaeus, 1758	Labridae	N	
<i>Naucrates ductor</i> (Linnaeus, 1758)	Carangidae	AL	Indian
<i>Muraenesox cinereus</i> (Forsskål, 1775)	Muraenesocidae	AL	Red Sea
<i>Polyprion americanus</i> (Bloch & Schneider, 1801)	Polyprionidae	N	
<i>Phycis blennoides</i> (Brünnich, 1768)	Phycidae	N	
<i>Rastrelliger kanagurta</i> (Cuvier, 1816)	Scombridae	AL	Red Sea
<i>Sargocentron hastatus</i> (Cuvier, 1829)	Holocentridae	AL	Red Sea
<i>Scophthalmus maximus</i> (Linnaeus, 1758)	Scophthalmidae	N	
<i>Syngnathus typhle</i> Linnaeus, 1758)	Syngnathidae	N	
<i>Thunnus thynnus</i> (Linnaeus, 1758)	Scombridae	N	
<i>Thunnus alalunga</i> (Bonnaterre, 1788)	Scombridae	N	