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### Ornamental fish in pet stores in Greece: a threat to biodiversity?

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## Supplementary Data

### “Ornamental fish in pet stores in Greece: a threat to biodiversity?”

by I. PAVLASOPOULOU, L. VARDAKAS, C. PERDIKARIS, D. KOMMATAS  
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**Table S1** Provisional checklist of ornamental fish species recorded in aquarium stores of Greece. Species are ordered by scientific name

	Family	Scientific name (Authority)	Common name	Environment <sup>a</sup>	Origin <sup>b</sup>	IUCN Status <sup>c</sup>	Threat to humans <sup>d</sup>	Positively established out of natural range <sup>e</sup>
1	Acanthuridae	<i>Acanthurus lineatus</i> (Linnaeus, 1758)	Lined surgeonfish	M	IND-PCF	NA	V	
2	Acanthuridae	<i>Acanthurus nigrofuscus</i> (Forsk., 1775)	Brown surgeonfish	M	IND-PCF	NA	T	
3	Acanthuridae	<i>Acanthurus triostegus</i> (Linnaeus, 1758)	Convict surgeonfish	M	IND-PCF	NA	T	
4	Cichlidae	<i>Aequidens pulcher</i> (Gill, 1858)	Blue acara	F	C-SAM	NA	H	Y
5	Cichlidae	<i>Aequidens rivulatus</i> (Günther, 1860)	Green terror	F	SAM			Y
6	Cichlidae	<i>Altamprologus compressiceps</i> (Boulenger, 1898)		F	AFR	LC		
7	Cichlidae	<i>Amatitlania nigrofasciata</i> (Günther, 1867)	Convict cichlid	F	CAM	NA		Y
8	Cichlidae	<i>Amblyeleotris guttata</i> (Fowler, 1938)	Spotted prawn-goby	M	PCF	NA	H	
9	Cichlidae	<i>Amphilophus citrinellus</i> (Günther, 1864)	Midas cichlid	F	CAM	NA	H	Y
10	Cichlidae	<i>Amphilophus labiatus</i> (Günther, 1865)	Red devil	F	CAM	NA	H	Y
11	Cichlidae	<i>Amphiprion clarkii</i> (Bennett, 1830)	Yellowtail clownfish	M	IND-PCF	NA	H	
12	Cichlidae	<i>Amphiprion ephippium</i> (Bloch, 1790)	Saddle anemonefish	M	IND	NA	H	
13	Pomacentridae	<i>Amphiprion frenatus</i> (Brevoort, 1856)	Tomato clownfish	M	PCF	NA	H	
14	Pomacentridae	<i>Amphiprion ocellaris</i> (Cuvier, 1830)	Clown anemonefish	M	IND-PCF	NA	H	
15	Pomacentridae	<i>Amphiprion percula</i> (Lacepède, 1802)	Orange clownfish	M	PCF	NA	H	
16	Pomacentridae	<i>Amphiprion perideraion</i> (Bleeker, 1855)	Pink anemonefish	M	PCF	NA	H	
17	Pomacentridae	<i>Amphiprion polymnus</i> (Linnaeus, 1758)	Saddleback clownfish	M	PCF	NA	H	
18	Loricariidae	<i>Ancistrus dolichopterus</i> (Kner, 1854)	Bushymouth catfish	F	SAM	LC	H	
19	Loricariidae	<i>Ancistrus tamboensis</i> (Fowler, 1945)		F	SAM	NA	H	
20	Loricariidae	<i>Ancistrus temminckii</i> (Valenciennes, 1840)	Bristlenose pleco	F	SAM	NA	H	
21	Antennariidae	<i>Antennarius hispidus</i> (Bloch & Schneider, 1801)	Shaggy angler	M	IND-PCF	NA	H	
22	Characidae	<i>Aphyocharax anisitsi</i> (Eigenmann & Kennedy, 1903)	Bloodfin tetra	F	SAM	NA	H	
23	Characidae	<i>Aphyocharax rathbuni</i> (Eigenmann, 1907)	Redflank bloodfin	F	SAM	NA	H	
24	Cichlidae	<i>Apistogramma agassizi</i> (Steindachner, 1875)	Agassiz's dwarf cichlid	F	SAM	NA	H	
25	Cichlidae	<i>Apistogramma borelli</i> (Regan, 1906)	Umbrella cichlid	F	SAM	NA	H	
26	Cichlidae	<i>Apistogramma cacatuoides</i> (Hoedeman, 1951)	Cockatoo cichlid	F	SAM	NA	H	
27	Cichlidae	<i>Apistogramma eunotus</i> (Kullander, 1981)		F	SAM	NA	H	
28	Aplocheilidae	<i>Aplocheilichthys lineatus</i> (Valenciennes, 1846)	Striped panchax	F-B	AS	LC	H	Y
29	Apogonidae	<i>Apogon cookii</i> (Macleay, 1881)	Cook's cardinalfish	M	IND-PCF	NA	H	
30	Aptereronotidae	<i>Aptereronotus albifrons</i> (Linnaeus, 1766)	Black ghost	F	SAM	NA	H	
31	Ariidae	<i>Ariopsis seemanni</i> (Günther, 1864)	Tete sea catfish	F-B-M	C-SAM	LC	TR	
32	Tetraodontidae	<i>Arothron hispidus</i> (Linnaeus, 1758)	White-spotted puffer	M	IND-PCF	NA	PtE	
33	Tetraodontidae	<i>Arothron manilensis</i> (Marion de Procé, 1822)	Narrow-lined puffer	M	PCF	NA	H	
34	Tetraodontidae	<i>Arothron nigropunctatus</i> (Bloch & Schneider, 1801)	Blackspotted puffer	M	IND-PCF			
35	Cichlidae	<i>Astatotilapia burtoni</i> (Günther, 1894)		F	AFR	LC	H	
36	Cichlidae	<i>Astronotus ocellatus</i> (Agassiz, 1831)	Oscar	F	SAM	NA	H	Y

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37	Characidae	<i>Astyanax fasciatus</i> (Cuvier, 1819)	Banded astyanax	F	N-C-SAM	NA	H	
38	Lepisosteidae	<i>Atractosteus spatula</i> (Lacepède, 1803)	Alligator gar	F-B	NAM			
39	Cichlidae	<i>Aulonocara baenschii</i> (Meyer & Riehl, 1985)	Nkhomo-benga peacock	F	AFR	LC	H	
40	Cichlidae	<i>Aulonocara jacobfreibergi</i> (Johnson, 1974)	Fairy cichlid	F	AFR	LC	H	
41	Cichlidae	<i>Aulonocara steveni</i> (Meyer, Riehl & Zetzsche, 1987)	Pale Usisya aulonocara	F	AFR	VU	H	
42	Cichlidae	<i>Aulonocara stuartgranti</i> (Meyer & Riehl, 1985)	Flavescent peacock	F	AFR	LC	H	
43	Cyprinidae	<i>Balantiocheilos melanopterus</i> (Bleeker, 1850)	Silver shark	F	AS	EN	H	
44	Balistidae	<i>Balistapus undulatus</i> (Park, 1797)	Orange-lined triggerfish	M	IND-PCF	NA	TR	
45	Balistidae	<i>Balistoides conspicillum</i> (Bloch & Schneider, 1801)	Clown triggerfish	M	IND-PCF	NA	T	
46	Cyprinidae	<i>Barbonymus schwanefeldii</i> (Bleeker, 1854)	Tinfoil barb	F	AS	LC	H	Y
47	Loricariidae	<i>Baryancistrus xanthellus</i> (Zuanon & Ribeiro de Oliveira, 2011)	Gold nugget pleco	F	SAM	NT	H	
48	Balitoridae	<i>Beaufortia leveretti</i> (Nichols & Pope, 1927)		F	AS	DD	H	
49	Osphronemidae	<i>Betta imbellis</i> (Ladiges, 1975)	Crescent betta	F	AS	LC	H	
50	Osphronemidae	<i>Betta splendens</i> (Regan, 1910)	Siamese fighting fish	F	AS	VU	H	Y
51	Cobitidae	<i>Botia lohachata</i> (Chaudhuri, 1912)	Indian loaches	F	AS	NT	H	
52	Gobiidae	<i>Brachyogobius xanthozonus</i> (Bleeker, 1849)	Bumblebee fis	F	AS	LC	H	
53	Plesiopidae	<i>Callopleziops altivelis</i> (Steindachner, 1903)	Comet	M	IND-PCF	NA	H	
54	Balistidae	<i>Canthidermis maculata</i> (Bloch, 1786)	Ocean triggerfish	M	CRG	NA	T	
55	Tetraodontidae	<i>Canthigaster valentini</i> (Bleeker, 1853)	Valentin's sharpnose puffer	M	IND-PCF	NA	PtE	Y
56	Cyprinidae	<i>Carassius auratus</i> (Linnaeus, 1758)	Goldfish	F	AS	NT	T	Y
57	Carcharhinidae	<i>Carcharhinus melanopterus</i> (Quoy & Gaimard, 1824)	Blacktip reef shark	M-B	IND-PCF, MED	NT	TR	
58	Tetraodontidae	<i>Carinotetraodon borneensis</i> (Regan, 1903)		F	AS	NA	H	
59	Tetraodontidae	<i>Carinotetraodon lorteti</i> (Tirant, 1885)	Redeye puffer	F	AS	LC	H	
60	Tetraodontidae	<i>Carinotetraodon travancoricus</i> (Hora & Nair, 1941)	Malabar pufferfish	F	AS	VU	H	
61	Gasteropelecidae	<i>Carnegiella strigata</i> (Günther, 1864)	Marbled hatchetfish	F	SAM			
62	Malacanthidae	<i>Caulolatilus princeps</i> (Jenyns, 1840)	Ocean whitefish	M	PCF	LC	H	
63	Pomacentridae	<i>Centropyge bicolor</i> (Bloch, 1787)	Bicolor angelfish	M	IND-PCF	LC	H	
64	Pomacentridae	<i>Centropyge debelius</i> (Pyle, 1990)	Blue Mauritius angelfish	M	IND			
65	Serranidae	<i>Cephalopholis nigripinnis</i> (Valenciennes, 1828)	Duskyfin hind	M	IND	DD	H	
66	Chaetodontidae	<i>Chaetodon auriga</i> (Forsskal, 1775)	Threadfin butterflyfish	M	IND-PCF	LC	H	
67	Chaetodontidae	<i>Chaetodon punctatofasciatus</i> (Cuvier, 1831)	Spotbanded butterflyfish	M	IND-PCF	LC	H	
68	Loricariidae	<i>Chaetostoma thomsoni</i> (Regan, 1904)		F	SAM	NA	H	
69	Channidae	<i>Channa bleheri</i> (Vierke, 1991)		F	AS	NT	H	
70	Chaetodontidae	<i>Chelmon rostratus</i> (Linnaeus, 1758)	Copper-banded butterflyfish	M-B	PCF	LC	H	
71	Notopteridae	<i>Chitala chitala</i> (Hamilton, 1822)	Clown knifefish	F	AS	NT	H	Y
72	Pomacentridae	<i>Chromis viridis</i> (Cuvier, 1830)	Blue green damselfish	M-B	IND-PCF	NA	H	
73	Cobitidae	<i>Chromobotia macracanthus</i> (Bleeker, 1852)	Clown botia	F	AS	NT	H	Y
74	Pomacentridae	<i>Chrysiptera cyanea</i> (Quoy & Gaimard, 1825)	Sapphire devil	M	IND-PCF	NA	H	
75	Pomacentridae	<i>Chrysiptera hemicyanea</i> (Weber, 1913)	Azure demoiselle	M	IND-PCF	NA	H	
76	Pomacentridae	<i>Chrysiptera parasema</i> (Fowler, 1918)	Goldtail demoiselle	M	PCF	NA	H	
77	Cichlidae	<i>Cichlasoma salvini</i> (Günther, 1862)	Yellow belly cichlid	F	CAM			Y
78	Cichlidae	<i>Cleithracara maronii</i> (Steindachner, 1881)	Keyhole cichlid	F-B	SAM	NA	H	

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79	Cichlidae	<i>Copadichromis borleyi</i> (Iles, 1960)	Haplochromis borleyi redbfin	F	AFR	LC	H	
80	Callichthyidae	<i>Corydoras adolfoi</i> (Burgess, 1982)	Adolf's catfish	F	SAM			
81	Callichthyidae	<i>Corydoras aeneus</i> (Gill, 1858)	Bronze corydoras	F	SAM	NA	H	Y
82	Callichthyidae	<i>Corydoras duplicareus</i> (Sands, 1995)		F	SAM			
83	Callichthyidae	<i>Corydoras julii</i> (Cope, 1872)	Threestripe corydoras	F	SAM	NA	H	
84	Callichthyidae	<i>Corydoras leucomelas</i> (Eigenmann & Allen, 1942)	False spotted catfish	F	SAM	NA	H	
85	Callichthyidae	<i>Corydoras melanistiis</i> (Regan, 1912)	Bluespotted corydoras	F	SAM	NA	H	
86	Callichthyidae	<i>Corydoras melanotaenia</i> (Regan, 1912)	Green gold catfish	F	SAM	NA	H	
87	Callichthyidae	<i>Corydoras melini</i> (Lonnberg & Rendahl, 1930)	Bandit corydoras	F	SAM	LC	H	
88	Callichthyidae	<i>Corydoras metae</i> (Eigenmann, 1914)	Masked corydoras	F	SAM	NA	H	
89	Callichthyidae	<i>Corydoras paleatus</i> (Jenyns, 1842)	Peppered corydoras	F	SAM	LC	H	Y
90	Callichthyidae	<i>Corydoras panda</i> (Nijssen & Isbrücker, 1971)	Panda corydoras	F	SAM	NA	H	
91	Callichthyidae	<i>Corydoras schwartzi</i> (Rössel, 1963)	Schwartz's catfish	F	SAM	NA	H	
92	Callichthyidae	<i>Corydoras similis</i> (Hieronimus, 1991)		F	SAM	NA	H	
93	Callichthyidae	<i>Corydoras sterbai</i> (Knaack, 1962)		F	SAM			
94	Callichthyidae	<i>Corydoras trilineatus</i> (Cope, 1872)	Threestripe corydoras	F	SAM			
95	Serranidae	<i>Cromileptes altivelis</i> (Valenciennes, 1828)	Humpback grouper	M	IND-PCF	VU	H	Y
96	Cyprinidae	<i>Crossocheilus latius</i> (Hamilton, 1822)	Stone Roller	F	AS	LC	H	
97	Cyprinidae	<i>Crossocheilus oblongus</i> (Kuhl & Van Hasselt, 1823)	Siamese flying fox	F	AS	LC	H	
98	Cichlidae	<i>Cryptoheros sajica</i> (Bussing, 1974)		F	CAM	NA	H	
99	Cichlidae	<i>Cyphotilapia frontosa</i> (Boulenger, 1906)	Humphead cichlid	F	AFR	LC	H	
100	Cyprinidae	<i>Cyprinus carpio</i> - Koi carp	Koi carp	F	EUR/AS	VU	T	Y
101	Cichlidae	<i>Cyrtocara moorii</i> (Boulenger, 1902)	Hump-head	F	AFR	LC	H	
102	Cyprinidae	<i>Danio albolineatus</i> (Blyth, 1860)	Pearl danio	F	AS	LC	H	Y
103	Cyprinidae	<i>Danio margaritatus</i> (Roberts, 2007)	Galaxy rasbora	F	AS	DD	H	
104	Cyprinidae	<i>Danio rerio</i> (Hamilton, 1822)	Zebra dannio	F	AS	LC	H	Y
105	Pomacentridae	<i>Dascyllus albisella</i> (Gill, 1862)	Hawaiian dascyllus	M	PCF	NA	H	
106	Pomacentridae	<i>Dascyllus melanurus</i> (Bleeker, 1854)	Blacktail humbug	M	PCF	NA	H	
107	Scorpaenidae	<i>Dendrochirus zebra</i> (Cuvier, 1829)	Zebra turkeyfish	M	IND-PCF	NA	V	
108	Cichlidae	<i>Dicrossus maculatus</i> (Steindachner, 1875)	Spade-tailed checkerboard cichid	F	SAM	NA	H	
109	Cyprinidae	<i>Epalzeorhynchus bicolor</i> (Smith, 1931)	Redtail sharkminnow	F	AS	CR	H	
110	Cyprinidae	<i>Epalzeorhynchus frenatum</i> (Fowler, 1934)	Rainbow sharkminnow	F	AS	LC	H	
111	Cyprinidae	<i>Epalzeorhynchus kalopterus</i> (Bleeker, 1850)	Flying fox	F	AS	DD	H	
112	Cichlidae	<i>Etroplus maculatus</i> (Bloch, 1795)	Orange chromide	F-B	AS	LC	H	
113	Loricariidae	<i>Farlowella acus</i> (Kner, 1853)	Whiptail catfish	F	SAM	NA	H	
114	Nothobranchiidae	<i>Fundulopanchax amieti</i> (Radda, 1976)	Amiet's Lyretail	F	AFR	EN	H	
115	Cyprinidae	<i>Garra rufa</i> (Heckel, 1843)	Doctor fish	F	AS	NT	H	
116	Gasteropelecidae	<i>Gasteropelecus sternicla</i> (Linnaeus, 1758)	River hatchetfish	F	SAM	NA	H	
117	Balitoridae	<i>Gastromyzon borneensis</i> (Gunther, 1874)	Borneo sucker	F	AS	NA	H	
118	Cichlidae	<i>Geophagus surinamensis</i> (Bloch, 1791)	Redstriped eartheater	F	SAM	NA	H	Y
119	Melanotaenidae	<i>Glossolepis incisus</i> (Weber, 1907)	Red rainbowfish	F	AS	VU	H	
120	Mormyridae	<i>Gnathonemus petersii</i> (Günther, 1862)	Elephantnose fish	F	AFR	LC	H	
121	Gobiidae	<i>Gobiodon okinawae</i> (Sawada, Arai & Abe, 1972)	Okinawa goby	M	PCF	NA	H	
122	Grammatidae	<i>Gramma loreto</i> (Poey, 1868)	Royal gramma	M	ATL	NA	H	

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(continued)

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123	Characidae	<i>Gymnocorymbus ternetzi</i> (Boulenger, 1895)	Black tetra	F	SAM	NA	H	Y
124	Cichlidae	<i>Gymnogeophagus balzanii</i> (Perugia, 1891)	Argentine humphead	F	SAM	NA	H	
125	Gyrinocheilidae	<i>Gyrinocheilus aymonieri</i> (Tirant, 1883)	Siamese algae-eater	F	AS	LC	H	Y
126	Characidae	<i>Hasemania nana</i> (Lütken, 1875)	Silvertip tetra	F	SAM	NA	H	
127	Helostomatidae	<i>Helostoma temminckii</i> (Cuvier, 1829)	Kissing gouramis	F	AS	LC	H	Y
128	Cichlidae	<i>Hemichromis bimaculatus</i> (Gill, 1862)	Jewelfish	F-B	AFR	LC	H	Y
129	Cichlidae	<i>Hemichromis lifalili</i> (Loiselle, 1979)		F	AFR	LC	H	
130	Characidae	<i>Hemigrammus bleheri</i> (Géry & Mahnert, 1986)	Firehead tetra	F	SAM	NA	H	
131	Characidae	<i>Hemigrammus erythrozonus</i> (Durbin, 1909)	Glowlight tetra	F	SAM	NA	H	
132	Characidae	<i>Hemigrammus rhodostomus</i> (Ahl, 1924)	Rummy-nose tetra	F	SAM	NA	H	
133	Cichlidae	<i>Herichthys carpintis</i> (Jordan & Snyder, 1899)	Lowland cichlid	F	NAM	NA	H	
134	Cichlidae	<i>Herichthys cyanoguttatus</i> (Baird & Girard, 1854)	Rio Grande cichlid	F	NAM	NA	H	Y
135	Cichlidae	<i>Heros severus</i> (Heckel, 1840)	Banded cichlid	F	SAM	NA	H	
136	Syngnathidae	<i>Hippocampus reidi</i> (Ginsburg, 1933)	Longsnout seahorse	M-B	ATL	DD	H	
137	Pomacanthidae	<i>Holacanthus tricolor</i> (Bloch, 1795)	Rock beauty	M	ATL	LC	T	
138	Cichlidae	<i>Hoplarchus psittacus</i> (Heckel, 1840)		F	SAM	NA	H	
139	Loricariidae	<i>Hypancistrus zebra</i> (Isbrücker & Nijssen, 1991)		F	SAM	NA	H	
140	Characidae	<i>Hyphessobrycon anisitsi</i> (Eigenmann, 1907)	Buenos aires tetra	F	SAM	NA	H	
141	Characidae	<i>Hyphessobrycon eques</i> (Steindachner, 1882)	Jewel tetra	F	SAM	NA	H	
142	Characidae	<i>Hyphessobrycon erythrostigma</i> (Fowler, 1943)	Bleeding-heart tetra	F	SAM	NA	H	
143	Characidae	<i>Hyphessobrycon flammeus</i> (Myers, 1924)	Flame tetra	F	SAM	NA	H	
144	Characidae	<i>Hyphessobrycon herbertaxelrodi</i> (Gery, 1961)	Balck neon tetra	F	SAM	NA	H	
145	Characidae	<i>Hyphessobrycon megalopterus</i> (Eigenmann, 1915)	Black phantom tetra	F	SAM	LC	H	
146	Characidae	<i>Hyphessobrycon pulchripinnis</i> (Ahl, 1937)	Lemon tetra	F	SAM	LC	H	
147	Characidae	<i>Hyphessobrycon rosaceus</i> (Durbin, 1909)	Rosy tetra	F	SAM	NA	H	Y
148	Characidae	<i>Hyphessobrycon sweglesi</i> (Gery, 1961)	Red phantom tetra	F	SAM	NA	H	
149	Loricariidae	<i>Hypostomus plecostomus</i> (Linnaeus, 1758)	Suckermouth catfish	F	SAM	NA	H	Y
150	Cichlidae	<i>Hypselecara temporalis</i> (Gunther, 1862)	Emerald cichlid	F	SAM	NA	H	
151	Eleotridae	<i>Hypseleotris compressa</i> (Kreffit, 1864)	Empire gudgeon	F	OCN	NT	H	
152	Melanotaenidae	<i>Iriatherina wernerii</i> (Meinken, 1974)	Threadfin rainbowfish	F	AS/OCN	NT	H	
153	Cyprinodontidae	<i>Jordanella floridae</i> (Goode & Bean, 1879)	Flagfish	F-B	NAM	NA	H	
154	Cichlidae	<i>Julidochromis marlieri</i> (Poll, 1956)	Marlieri cichlid	F	AFR	LC	H	
155	Cyprinidae	<i>Kottelatia brittani</i> (Axelrod, 1976)		F	AS	NA	H	
156	Siluridae	<i>Kryptopterus bicirrhis</i> (Valenciennes, 1840)	Glass catfish	F	AS	LC	H	
157	Siluridae	<i>Kryptopterus cheveyi</i> (Durand, 1940)		F	AS	NA	H	
158	Cichlidae	<i>Labidochromis caeruleus</i> (Fryer, 1956)	Blue streak hap	F	AFR	LC	H	
159	Labridae	<i>Labroides dimidiatus</i> (Valenciennes, 1839)	Bluestreak cleaner wrasse	M	IND-PCF	LC	H	
160	Ostraciidae	<i>Lactoria cornuta</i> (Linnaeus, 1758)	Longhorn cowfish	M-B	IND-PCF	NA	T	
161	Loricariidae	<i>Leporacanthicus galaxias</i> (Isbrücker & Nijssen, 1989)		F	SAM	NA	H	
162	Cyprinidae	<i>Leptobarbus hoevenii</i> (Bleeker, 1851)	Hoven's carp	F	AS	NA		
163	Mastacembelidae	<i>Macrognathus aculeatus</i> (Bloch, 1786)	Lesser spiny eel	F-B	AS	NA	H	
164	Osphronemidae	<i>Macropodus opercularis</i> (Linnaeus, 1758)	Roundtail paradisefish	F	AS	LC	H	Y
165	Loricariidae	<i>Macrotocinclus affinis</i> (Steindachner, 1877)	Golden otocinclus	F	SAM	NT	H	
166	Cichlidae	<i>Maylandia aurora</i> (Burgess, 1976)		F	AFR	VU	H	
167	Cichlidae	<i>Maylandia estherae</i> (Konings, 1995)	Red zebra	F	AFR	VU	H	

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	Family	Scientific name (Authority)	Common name	Environment <sup>a</sup>	Origin <sup>b</sup>	IUCN Status <sup>c</sup>	Threat to humans <sup>d</sup>	Positively established out of natural range <sup>e</sup>
168	Cichlidae	<i>Maylandia greshakei</i> (Meyer & Förster, 1984)	William's mbuna	F	AFR	VU	H	
169	Cichlidae	<i>Maylandia lombardoi</i> (Burgess, 1977)		F	AFR	VU	H	Y
170	Cichlidae	<i>Maylandia zebra</i> (Boulenger, 1899)	Zebra mbuna	F	AFR	LC	H	
171	Cichlidae	<i>Melanochromis auratus</i> (Boulenger, 1897)	Golden mbuna	F	AFR	LC	H	Y
172	Cichlidae	<i>Melanochromis chipokae</i> (Johnson, 1975)		F	AFR	VU	H	
173	Melanotaeniidae	<i>Melanotaenia boesemani</i> (Allen & Cross, 1980)	Boeseman's rainbowfish	F	AS	EN	H	
174	Melanotaeniidae	<i>Melanotaenia maccullochi</i> (Ogilby, 1915)	Macculloch's rainbowfish	F	OCN	NT	H	
175	Melanotaeniidae	<i>Melanotaenia parkinsoni</i> (Allen, 1980)	Parkinson's rainbowfish	F	OCN	NA	H	
176	Melanotaeniidae	<i>Melanotaenia praecox</i> (Weber & de Beaufort, 1922)	Dwarf rainbowfish	F	AS	DD	H	
177	Melanotaeniidae	<i>Melanotaenia fluviatilis</i> (Castelnaud, 1878)	Murray river rainbowfish	F	OCN	NA	H	
178	Serrasalimidae	<i>Metynnis argenteus</i> (Ahl, 1923)	Silver dollar	F	SAM	NA	H	
179	Serrasalimidae	<i>Metynnis hypsauchen</i> (Müller & Troschel, 1844)	Silver dollar	F	SAM	NA	H	
180	Serrasalimidae	<i>Metynnis lippincottianus</i> (Cope, 1870)	Spotted silver dollar	F	SAM	NA	H	
181	Cichlidae	<i>Mikrogeophagus ramirezi</i> (Myers & Harry, 1948)	Ram cichlid	F	SAM	LC	H	
182	Cichlidae	<i>Mikrogeophagus altispinosus</i> (Haseman, 1911)		F	SAM	NA	H	
183	Charasidae	<i>Moenkhausia sanctaefilomenae</i> (Steindachner, 1907)	Redeye tetra	F	SAM	NA	H	
184	Monodactylidae	<i>Monodactylus sebae</i> (Cuvier, 1829)	African moony	F-B-M	AFR	NA	H	
185	Serrasalimidae	<i>Mylossoma aureum</i> (Spix & Agassiz, 1829)		F	SAM	NA	H	
186	Bagridae	<i>Mystus bimaculatus</i> (Volz, 1904)	Two spot catfish	F	AS	NA	H	
187	Lebiasinidae	<i>Nannostomus beckfordi</i> (Günther, 1872)	Golden pencilfish	F	SAM	NA	H	
188	Acanthuridae	<i>Naso brevirostris</i> (Cuvier, 1829)	Spotted unicornfish	M	IND-PCF	NA	T	
189	Acanthuridae	<i>Naso lituratus</i> (Forster, 1801)	Orangespine unicornfish	M	PCF	NA	V	
190	Acanthuridae	<i>Naso lopezi</i> (Herre, 1927)	Elongate unicornfish	M	PCF	NA	H	
191	Acanthuridae	<i>Naso unicornis</i> (Forsskål, 1775)	Bluespine unicornfish	M	IND-PCF	NA	T	
192	Serranidae	<i>Nemanthias carberryi</i> (Smith, 1954)	Threadfin anthias	M	IND	NA	H	
193	Pomacentridae	<i>Neoglyphidodon nigroris</i> (Cuvier, 1830)	Black-and-gold chromis	M	IND-PCF	NA	H	
194	Cichlidae	<i>Neolamprologus brichardi</i> (Poll, 1974)		F	AFR	LC	H	
195	Cichlidae	<i>Neolamprologus leleupi</i> (Poll, 1956)	Lemon yellow	F	AFR	LC	H	
196	Cichlidae	<i>Neolamprologus tretocephalus</i> (Boulenger, 1899)		F	AFR	LC	H	
197	Cichlidae	<i>Nimbochromis livingstonii</i> (Günther, 1894)		F	AFR	LC	H	
198	Cichlidae	<i>Nimbochromis venustus</i> (Boulenger, 1908)		F	AFR	LC	H	
199	Notopteridae	<i>Notopterus notopterus</i> (Pallas, 1769)	Bronze featherback	F-B	AS	LC	H	
200	Balistidae	<i>Odonus niger</i> (Rüppell, 1836)	Red-toothed triggerfish	M	IND-PCF	NA	H	
201	Cichlidae	<i>Oreochromis amphielas</i> (Hilgendorf, 1905)		F	AFR	EN	H	
202	Osphronemidae	<i>Osphronemus goramy</i> (Lacepède, 1801)	Giant gourami	F-B	AS	LC	H	Y
203	Osteoglossidae	<i>Osteoglossum bicirrhosum</i> (Cuvier, 1829)	Arawana	F	SAM	NA	H	
204	Ostraciidae	<i>Ostracion meleagris</i> (Shaw, 1796)	Whitespotted boxfish	M	IND-PCF	NA	V	
205	Cirrhitidae	<i>Oxycirrhites typus</i> (Bleeker, 1857)	Long-Nosed Hawkfish	M	IND-PCF	NA	H	
206	Loricariidae	<i>Panaque nigrolineatus</i> (Peters, 1877)	Royal panaque	F	SAM	NA	H	
207	Pangasiidae	<i>Pangasius hypophthalmus</i> (Sauvage, 1878)	Striped catfish	F	AS	EN	H	Y

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	Family	Scientific name (Authority)	Common name	Environment <sup>a</sup>	Origin <sup>b</sup>	IUCN Status <sup>c</sup>	Threat to humans <sup>d</sup>	Positively established out of natural range <sup>e</sup>
208	Pangasiidae	<i>Pangasius pangasius</i> (Hamilton, 1822)	Pangas catfish	F-B	AS	LC	H	
209	Pangasiidae	<i>Pangasius sanitwongsei</i> (Smith, 1931)	Giant pangasius	F	AS	CR	H	
210	Cobitidae	<i>Pangio kuhlii</i> (Valenciennes, 1846)	Kuhli loach	F	AS	NT	H	
211	Pantodontidae	<i>Pantodon buchholzi</i> (Peters, 1876)	Freshwater butterflyfish	F	AFR	LC	H	
212	Acanthuridae	<i>Paracanthurus hepatus</i> (Linnaeus, 1766)	Palette surgeonfish	M	IND-PCF	NA	V	
213	Labridae	<i>Paracheilinus carpenteri</i> (Randall & Lubbock, 1981)	Pink flasher	M	PCF	DD	H	
214	Characidae	<i>Paracheirodon axelrodi</i> (Schultz, 1956)	Cardinal tetra	F	SAM	NA	H	
215	Characidae	<i>Paracheirodon innesi</i> (Myers, 1936)	Neon tetra	F	SAM			Y
216	Characidae	<i>Paracheirodon simulans</i> (Géry, 1963)	Green neon tetra	F	SAM	NT	H	
217	Cichlidae	<i>Parachromis managuensis</i> (Gunther, 1867)	Jaguar guapote	F	CAM	NA	T	Y
218	Ambassidae	<i>Parambassis ranga</i> (Hamilton, 1822)	Indian glassy fish	F-B	AS	LC	H	Y
219	Cichlidae	<i>Paratilapia polleni</i> (Bleeker, 1868)	Black diamond cichlid	F	AFR	VU	H	
220	Cichlidae	<i>Pelvicachromis pulcher</i> (Boulenger, 1901)	Rainbow krib	F	AFR	LC	H	
221	Characidae	<i>Phenacogrammus interruptus</i> (Boulenger, 1899)	Congo tetra	F	AFR	LC	H	
222	Pimelodidae	<i>Phractocephalus hemioliopterus</i> (Bloch & Schneider, 1801)	Redtail catfish	F	SAM	NA	H	
223	Heptapteridae	<i>Pimelodella cristata</i> (Müller & Troschel, 1849)		F	SAM	LC	H	
224	Pimelodidae	<i>Pimelodus pictus</i> (Steindachner, 1876)	Pictus cat	F	SAM	NA	H	
225	Cichlidae	<i>Placidochromis johnstoni</i> (Günther, 1894)		F	AFR	LC	H	
226	Doradidae	<i>Platydoras costatus</i> (Linnaeus, 1758)	Raphael catfish	F	SAM	NT	H	Y
227	Pomacentridae	<i>Plectrogllyphidodon flaviventris</i> (Allen & Randall, 1974)	Yellow-belly damsel	M	PCF	NA	H	
228	Serranidae	<i>Plectropomus areolatus</i> (Rüppell, 1830)	Squaretail coralgroup	M	IND-PCF	VU	T	
229	Poeciliidae	<i>Poecilia latipinna</i> (Lesueur, 1821)	Seifin molly	F-B	NAM	NA	T	Y
230	Poeciliidae	<i>Poecilia reticulata</i> (Peters, 1859)	Guppy	F-B	SAM	NA	T	Y
231	Poeciliidae	<i>Poecilia sphenops</i> (Valenciennes, 1846)	Molly	F	C-SAM		H	Y
232	Poeciliidae	<i>Poecilia velifera</i> (Regan, 1914)	Sailfin molly	F	CAM	NA	H	Y
233	Polypteridae	<i>Polypterus senegalus</i> (Cuvier, 1829)	Gray bichir	F	AFR	NA	H	
234	Pomacanthidae	<i>Pomacanthus imperator</i> (Bloch, 1787)	Emperor angelfish	M	IND-PCF	LC	H	Y
235	Pomacanthidae	<i>Pomacanthus navarchus</i> (Cuvier, 1831)	Bluegirdled angel	M	IND-PCF	LC	H	
236	Pomacanthidae	<i>Pomacanthus semicirculatus</i> (Cuvier, 1831)	Semicircle angelfish	M	IND-PCF	LC	H	
237	Pomacentridae	<i>Premnas biaculeatus</i> (Bloch, 1790)	Spinecheek anemonefish	M	IND-PCF	NA	H	
238	Characidae	<i>Prionobrama filigera</i> (Cope, 1870)	Glass bloodfin	F	SAM	NA	H	
239	Characidae	<i>Pristella maxillaris</i> (Ulrey, 1894)	X-ray tetra	F	SAM	NA	H	
240	Serranidae	<i>Pseudanthias huchtii</i> (Bleeker, 1857)	Red-cheeked fairy basslet	M	PCF	NA	H	
241	Serranidae	<i>Pseudanthias tuka</i> (Herre & Montalban, 1927)	Yellowstriped fairy basslet	M	IND-PCF	NA	H	
242	Labridae	<i>Pseudocheilinus evanidus</i> (Jordan & Evermann, 1903)	Striated wrasse	M	IND-PCF	LC	H	
243	Labridae	<i>Pseudocheilinus hexataenia</i> (Bleeker, 1857)	Sixline wrasse	M	IND-PCF	LC	H	
244	Pseudochromidae	<i>Pseudochromis fridmani</i> (Klausewitz, 1968)	Orchid dottyback	M	IND	NA	H	
245	Pseudochromidae	<i>Pseudochromis paccagnella</i> (Axelrod, 1973)	Royal dottyback	M	PCF	NA	H	
246	Balitoridae	<i>Pseudogastromyzon myersi</i> (Herre, 1932)	Sucker-belly loach	F-B	AS	LC	H	
247	Cichlidae	<i>Pseudotropheus demasoni</i> (Konings, 1994)		F	AFR	VU	H	
248	Cichlidae	<i>Pseudotropheus socolofi</i> (Johnson, 1974)	Pindani	F	AFR	LC	H	
249	Apogonidae	<i>Pterapogon kauderni</i> (Koumans, 1933)	Banggai cardinalfish	M	PCF	EN	H	
250	Ptereleotridae	<i>Ptereleotris zebra</i> (Fowler, 1938)	Chinese zebra goby	M	IND-PCF	NA	H	
251	Scorpaenidae	<i>Pterois antenata</i> (Bloch, 1787)	Broadbarred firefish	M	IND-PCF	NA	V	

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252	Scorpaenidae	<i>Pterois volitans</i> (Linnaeus, 1758)	Red lionfish	M	PCF	NA	V	Y
253	Cichlidae	<i>Pterophyllum altum</i> (Pellegrin, 1903)		F	SAM	NA	H	
254	Cichlidae	<i>Pterophyllum scalare</i> (Schultze, 1823)	Angelfish	F	SAM	NA	H	Y
255	Loricariidae	<i>Pterygoplichthys gibbiceps</i> (Kner, 1854)	Leopard pleco	F	SAM	NA	H	Y
256	Cyprinidae	<i>Puntius conchoni</i> (Hamilton, 1822)	Rosy barb	F	AS	LC	H	Y
257	Cyprinidae	<i>Puntius denisonii</i> (Day, 1865)	Denison barb	F	AS	EN	H	
258	Cyprinidae	<i>Puntius nigrofasciatus</i> (Günther, 1868)	Black ruby barb	F	AS	LR	H	Y
259	Cyprinidae	<i>Puntius padamya</i> (Kullander & Britz, 2008)	Odessa barb	F	AS	DD	H	
260	Cyprinidae	<i>Puntius semifasciolatus</i> (Günther, 1868)	Golden barb/ Chinesse barb	F	AS	LC	H	Y
261	Cyprinidae	<i>Puntius tetrazona</i> (Bleeker, 1855)	Tiger barb	F	AS	NT	H	Y
262	Cyprinidae	<i>Puntius ticto</i> (Hamilton, 1822)	Ticto barb	F	AS	LC	H	
263	Cyprinidae	<i>Puntius titteya</i> (Deraniyagala, 1929)	Cherry barb	F	AS	LC	H	Y
264	Serrasalimidae	<i>Pygocentrus nattereri</i> (Kner, 1858)	Red Piranha or Red bellied Piranha	F	SAM	NA	TR	Y
265	Cyprinidae	<i>Rasboroides vaterifloris</i> (Deraniyagala, 1930)	Pearly rasbora	F	AS	LR	H	
266	Balistidae	<i>Rhinecanthus aculeatus</i> (Linnaeus, 1758)	White-banded triggerfish	M	IND-PCF, ATL	NA	H	
267	Balistidae	<i>Rhinecanthus verrucosus</i> (Linnaeus, 1758)	Blackbelly triggerfish	M	IND-PCF	NA	H	
268	Loricariidae	<i>Rineloricaria lanceolata</i> (Günther, 1868)	Chocolate-colored catfish	F	SAM	NA	H	
269	Cichlidae	<i>Rocio octofasciata</i> (Regan, 1903)	Jack Dempsey	F	N-CAM	NA	H	
270	Cyprinidae	<i>Sawbwa resplendens</i> (Annandale, 1918)	Sawbwa barb	F	AS	EN	H	
271	Scaridae	<i>Scarus vetula</i> (Bloch & Schneider, 1801)	Queen parrotfish	M	ATL	LC	T	
272	Scatophagidae	<i>Scatophagus argus</i> (Linnaeus, 1766)	Spotted scat	F-B-M	AS/AFR	LC	V	Y
273	Cichlidae	<i>Sciaenochromis ahli</i> (Trewavas, 1935)	Electric blue hap	F	AFR	LC	H	
274	Cichlidae	<i>Sciaenochromis fryeri</i> (Konings, 1993)		F	AFR	LC	H	
275	Osteoglossidae	<i>Scleropages jardinii</i> (Saville-Kent, 1892)	Australian bonytongue	F	AS/OCN	NA	H	
276	Loricariidae	<i>Scobinancistrus aureatus</i> (Burgess, 1994)		F	SAM	NA	H	
277	Serranidae	<i>Serranocirrhitis latus</i> (Watanabe, 1949)	Hawkfish anthias	M	PCF	NA	H	
278	Siganidae	<i>Siganus vulpinus</i> (Schlegel & Müller, 1845)	Foxface	M	PCF	NA	V	
279	Apogonidae	<i>Sphaeramia nematoptera</i> (Bleeker, 1856)	Pajama cardinalfish	M	IND-PCF	NA	H	
280	Pomacentridae	<i>Stegastes nigricans</i> (Lacepède, 1802)	Dusky farmerfish	M	IND-PCF	NA	TR	
281	Pomacentridae	<i>Stegastes variabilis</i> (Castelnau, 1855)	Cocoa damselfish	M	ATL	NA	H	
282	Gobiidae	<i>Stonogobiops nematodes</i> (Hoese & Randall, 1982)	Filament-finned prawn-goby	M	IND-PCF	NA	H	
283	Loricariidae	<i>Sturisoma panamense</i> (Eigenmann & Eigenmann, 1889)		F	C-SAM	NA	H	
284	Cichlidae	<i>Symphysodon aequifasciatus</i> (Pellegrin, 1904)	Blue discus	F	SAM	NA	H	
285	Cichlidae	<i>Symphysodon discus</i> (Heckel, 1840)	Red discus	F	SAM	NA	H	
286	Synanceiidae	<i>Synanceia verrucosa</i> (Bloch & Schneider, 1801)	Stonefish	M-B	IND-PCF	NA	V	Y
287	Callionymidae	<i>Synchiropus picturatus</i> (Peters, 1877)	Picturesque dragonet	M	IND-PCF	NA	H	
288	Callionymidae	<i>Synchiropus splendidus</i> (Herre, 1927)	Mandarinfish	M	PCF	NA	H	
289	Mochokidae	<i>Synodontis decorus</i> (Boulenger, 1899)	Clown squeaker	F	AFR	LC	H	
290	Mochokidae	<i>Synodontis eupterus</i> (Boulenger, 1901)	Featherfin squeaker	F	AFR	LC	H	
291	Mochokidae	<i>Synodontis nigriventris</i> (David, 1936)	Blotched upsidedown catfish	F	AFR	LC	H	
292	Tetraodontidae	<i>Takifugu ocellatus</i> (Linnaeus, 1758)	Ocellated puffer	F-B-M	AS	NA	T-V	
293	Cyprinidae	<i>Tanichthys albonubes</i> (Lin, 1932)	White cloud mountain minnow	F	AS	DD	H	Y
294	Eleotridae	<i>Tateurndina ocellicauda</i> (Nichols, 1955)	Peacock gudgeon	F	OCN	NA	H	

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295	Tetraodontidae	<i>Tetraodon baileyi</i> (Sontirat, 1989)	Hairy puffer	F	AS	LC	H	
296	Labridae	<i>Thalassoma lunare</i> (Linnaeus, 1758)	Moon wrasse	M	IND-PCF	LC	H	
297	Characidae	<i>Thayeria boehlkei</i> (Weitzman, 1957)	Blackline penguinfish	F	SAM	NA	H	
298	Characidae	<i>Thayeria obliqua</i> (Eigenmann, 1908)	Penguinfish	F	SAM	NA	H	
299	Cichlidae	<i>Thorichthys meeki</i> (Brind, 1918)	Firemouth	F	CAM	NA	H	
300	Cichlidae	<i>Tilapia buttikoferi</i> (Hubrecht, 1881)		F	AFR	LC	H	Y
301	Toxotidae	<i>Toxotes jaculatrix</i> (Pallas 1767)	Banded archerfish	F-B	AS/OCN	NA	H	
302	Osphronemidae	<i>Trichogaster chuna</i> (Hamilton, 1822)	Honey gourami	F	AS	LC	H	
303	Osphronemidae	<i>Trichogaster labiosa</i> (Day, 1877)	Thick lipped gourami	F	AS	LC	H	Y
304	Belontiidae	<i>Trichogaster lalius</i> (Hamilton, 1822)	Dwarf gourami	F	AS	LC	H	Y
305	Osphronemidae	<i>Trichogaster leerii</i> (Bleeker, 1852)	Pearl gourami	F	AS	NA	H	Y
306	Osphronemidae	<i>Trichogaster microlepis</i> (Günther, 1861)	Moonlight gourami	F	AS	LC	H	
307	Osphronemidae	<i>Trichopodus pectoralis</i> (Regan, 1910)	Snakeskin gourami	F	AS	LC	T	Y
308	Osphronemidae	<i>Trichopodus trichopterus</i> (Pallas, 1770)	Three spot gourami	F	AS	LC	H	Y
309	Osphronemidae	<i>Trichopsis pumila</i> (Arnold, 1936)	Pygmy gourami	F	AS	LC	H	
310	Cyprinidae	<i>Trigonopoma pauciperforatum</i> (Weber & Beaufort, 1916)	Redstripe rasbora	F	AS	LC	H	
311	Cyprinidae	<i>Trigonostigma heteromorpha</i> (Duncker, 1904)	Arlekin rasbora	F	AS	LC	H	
312	Gobiidae	<i>Trimma cana</i> (Winterbottom, 2004)	Candycane pygmy goby	M	PCF	NA	H	
313	Cichlidae	<i>Tropheus duboisi</i> (Marlier, 1959)	Duboisi cichlid	F	AFR	NA	H	
314	Cichlidae	<i>Tropheus moorii</i> (Boulenger, 1898)	Blunthead cichlid	F	AFR	LC	H	
315	Gobiidae	<i>Valenciennea sexguttata</i> (Valenciennes, 1837)	Sixspot goby	M	IND-PCF	NA	H	
316	Gobiidae	<i>Valenciennea strigata</i> (Broussonet, 1782)	Yellowhead sleeper goby	M	IND-PCF	NT	H	
317	Poeciliidae	<i>Xiphophorus helleri</i> (Heckel, 1848)	Green swordtail	F-B	N-CAM	NA	T	Y
318	Poeciliidae	<i>Xiphophorus maculatus</i> (Günther, 1866)	Southern platyfish	F-B	N-CAM	NA		Y
319	Cobitidae	<i>Yasuhikotakia lecontei</i> (Fowler, 1937)	Silver loach	F	AS	LC	H	
320	Cobitidae	<i>Yasuhikotakia modesta</i> (Bleeker, 1864)	Blue botia	F	AS	LC	H	
321	Cobitidae	<i>Yasuhikotakia sidhimunki</i> (Klausewitz, 1959)	Dwarf botia	F	AS	EN	H	
322	Acanthuridae	<i>Zebrasoma desjardini</i> (Bennett, 1836)		M	IND	LC	H	
323	Acanthuridae	<i>Zebrasoma flavescens</i> (Bennett, 1828)	Yellow tang	M	PCF-ATL	NA	H	
324	Acanthuridae	<i>Zebrasoma scopas</i> (Cuvier, 1829)	Twotone tang	M	IND-PCF	NA	H	
325	Acanthuridae	<i>Zebrasoma veliferum</i> (Bloch, 1795)	Sailfin tang	M	IND-PCF	NA	H	
326	Apogonidae	<i>Zoramia leptacantha</i> (Bleeker, 1856)	Threadfin cardinalfish	M	IND-PCF	NA	H	

<sup>a</sup>F: Freshwater, M: Marine, B:Brackish<sup>b</sup>SAM: South America, AS: Asia, AFR: Africa, CAM: Central America, NAM: North America, OCN: Oceania, C-SAM: Central and South America, AS/OCN: Asia and Oceania, N-CAM: North and Central America, EUR/AS: Europe and Asia, N-C-SAM: North, Central and South America, AS/AFR: Asia and Africa, IND-PCF: Indo-Pacific, PCF: Pacific, IND: Indian, ATL: Atlantic, IND-PCF, ATL: Indo-Pacific and Atlantic, IND-PCF, MED: Indo-Pacific and Mediterranean, PCF-ATL: Pacific and Atlantic, CRM: Circumglobal.<sup>c</sup>NA: Not assessed, CR: Critical endangered, NT: Near threatened, LC: Least concern, VU: Vulnerable, DD: Data deficient, LR: Lower risk<sup>d</sup>H: harmless, T: Toxins, V: Venomous, TR: Traumatogenic, PtE: Poisonous to eat<sup>e</sup>Y: Yes