

**Table 1.** Notothenioid classification and list of species. Arrangement is phylogenetic for families, based on Near et al. (2004) and Near and Cheng (2008), and alphabetical for genera within families and for species within genera. Superfamilies from Voskoboinikova (2004). *Fishes of the Southern Ocean* (Gon and Heemstra, 1990) is starting point for species list with subsequent additions noted. Bovichtids from Gon (1990a) with non-Antarctic species from Hardy (1988) and Balushkin (1992); pseudaphritids and eleginopids from Balushkin (1992); nototheniids from DeWitt et al. (1990), but following Schneppenheim et al. (1994) for the *Lepidonotothen squamifrons* group, and with non-Antarctic species from DeWitt (1966, 1970); harpagiferids from Hureau (1990); artedidraconids from Eakin (1990) with revision of *Pogonophryne* following Balushkin and Eakin (1998); bathydraconids from Gon (1990b) and channichthyids from Iwami and Kock (1990). Asterisk (\*) indicates non-Antarctic species. Dagger (†) precedes names of species described or resurrected from synonymy after publication of *Fishes of the Southern Ocean* in 1990. Species placed in synonymy since 1990 are underlined in the list but not counted. Other changes since Eastman and Eakin (2000) indicated by footnotes. *Catalog of Fishes* (Eschmeyer, 1998) used for authorities and dates in cases of uncertainty. Total count = 133 species (105 Antarctic and 28 non-Antarctic) and 44 genera. Up to date as of November 10, 2009.

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## Superfamilies, families and species

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### Bovichtoidea

#### Bovichtidae (11)

##### *Bovichtus*

*angustifrons* Regan, 1913\*  
*argentinus* MacDonagh, 1931\*  
*chilensis* Regan, 1913\*  
*diacanthus* (Carmichael, 1819)\*  
*elongatus* Hureau and Tomo, 1977  
*oculus* Hardy, 1988\*  
*psychrolutes* Günther, 1860\*  
*variegatus* Richardson, 1846\*  
*veneris* Sauvage, 1879\*

*Cottoperca gobio* (Günther, 1861)\*<sup>a</sup>

†*Halaphritis platycephala* Last, Balushkin and Hutchins, 2002\*<sup>b</sup>

### Notothenioidea

**Pseudaphritidae (1)**

*Pseudaphritis urvillii* (Valenciennes in Cuvier and Valenciennes, 1832)\*

**Eleginopidae (1)**

*Eleginops maclovinus* (Cuvier in Cuvier and Valenciennes, 1830)\*

**Nototheniidae (50)**

*Aethotaxis mitopteryx* DeWitt, 1962

*Cryothernia*

†*amphitreta* Cziko and Cheng, 2006<sup>c</sup>  
*peninsulae* Daniels, 1981

*Dissostichus*

*eleginoides* Smitt, 1898  
*mawsoni* Norman, 1937

*Gobionotothen*

*acuta* (Günther, 1880)  
†*barsukovi* Balushkin, 1991  
*gibberifrons* (Lönnberg, 1905)  
*marionensis* (Günther, 1880)

*Gvozdarus svetovidovi* Balushkin, 1989

*Lepidonotothen*

*kempi* (Norman, 1937)  
*larseni* (Lönnberg, 1905)  
*macrophthalma* (Norman, 1937)\*  
*mizops* (Günther, 1880)  
*nudifrons* (Lönnberg, 1905)  
*squamifrons* (Günther, 1880)

*Notothenia*

*angustata* Hutton, 1875\*  
*coriiceps* Richardson, 1844  
*cyanobrancha* Richardson, 1844  
*microlepidota* Hutton, 1875\*  
*rossii* Richardson, 1844

*Pagothenia**borchgrevinki* (Boulenger, 1902)*brachysoma* (Pappenheim, 1912)*Paranotothenia*†*dewitti* Balushkin, 1990*magellanica* (Forster in Bloch and Schneider, 1801)*Patagonotothen**brevicauda* (Lönnberg, 1905)\**canina* (Smitt, 1897)\**cornucola* (Richardson, 1844)\**elegans* (Günther, 1880)\**guntheri* (Norman, 1937)*jordani* (Thompson, 1916)\*†*kreffti* Balushkin and Stehmann, 1993\**longipes* (Steindachner, 1876)\**ramsayi* (Regan, 1913)\**sima* (Richardson, 1844)\**squamiceps* (Peters, 1876)\**tessellata* (Richardson, 1845)\*†*trigramma* (Regan, 1913)\*<sup>d</sup>†*thompsoni* Balushkin, 1993\**wiltoni* (Regan, 1913) \**Pleuragramma antarcticum* Boulenger, 1902*Trematomus**bernacchii* Boulenger, 1902*eulepidotus* Regan, 1914*hansoni* Boulenger, 1902*lepidorhinus* (Pappenheim, 1911)*loennbergii* Regan, 1913*newnesi* Boulenger, 1902*nicolai* (Boulenger, 1902)*pennellii* Regan, 1914*scotti* (Boulenger, 1907)*tokarevi* Andriashev, 1978*vicarius* Lönnberg, 1905**Harpagiferidae (11)***Harpagifer*†*andriashevi* Prirodina, 2000<sup>e</sup>*antarcticus* Nybelin, 1947*bispinis* (Schneider in Bloch and Schneider, 1801)

†*crozetensis* Prirodina, 2004<sup>f</sup>  
*georgianus* Nybelin, 1947  
*kerguelensis* Nybelin, 1947  
†*macquariensis* Prirodina, 2000<sup>e</sup>  
†*nybelini* Prirodina, 2002<sup>g</sup>  
†*permitini* Neyelov and Prirodina, 2006<sup>h</sup>  
*palliolatus* Richardson, 1845  
*spinusus* Hureau, Louis, Tomo and Ozouf, 1980

## Artedidraconidae (27)

### *Artedidraco*

†*glareobarbatus* Eastman and Eakin, 1999  
*loennbergi* Roule, 1913  
*mirus* Lönnberg, 1905  
*oriana* Regan, 1914  
*shackletoni* Waite, 1911  
*skottsbergi* Lönnberg, 1905

*Dolloidraco longedorsalis* Roule, 1913

*Histiodraco velifer* (Regan, 1914)

### *Pogonophryne*

*albipinna* Eakin, 1981  
*barsukovi* Andriashev, 1967  
†*bellingshausenensis* Eakin, Eastman and Matallanas, 2008<sup>i</sup>  
†*cerebropogon* Eakin and Eastman, 1998  
*curtilemma* Balushkin, 1988  
*dewitti* Eakin, 1988  
*dolichobranchiata* Andriashev, 1967  
†*eakini* Balushkin, 1999  
†*fusca* Balushkin and Eakin, 1998  
*immaculata* Eakin, 1981  
*lanceobarbata* Eakin, 1987  
*macropogon* Eakin, 1981  
*marmorata* Norman, 1938  
*mentella* Andriashev, 1967  
†*orangiensis* Eakin and Balushkin, 1998  
*orcadensis* Tomo, 1981  
*permitini* Andriashev, 1967  
*phyllopogon* Andriashev, 1967  
*platypogon* Eakin, 1988  
*scotti* Regan, 1914  
†*stewarti* Eakin, Eastman and Near, 2009<sup>j</sup>  
†*squamibarbata* Eakin and Balushkin, 2000

*velifera* Eakin, 1981  
*ventrimaculata* Eakin, 1987

### **Bathydraconidae (16)**

†*Acanthodraco dewitti* Skóra, 1995

*Akarotaxis nudiceps* (Waite, 1916)

#### *Bathydraco*

*antarcticus* Günther, 1878  
*joannae* DeWitt, 1985  
*macrolepis* Boulenger, 1907  
*marri* Norman, 1938  
*scotiae* Dollo, 1906

*Cygnodraco mawsoni* Waite, 1916

*Gerlachea australis* Dollo, 1900

*Gymnodraco acuticeps* Boulenger, 1902

#### *Parachaenichthys*

*charcoti* (Vaillant, 1906)  
*georgianus* (Fischer, 1885)

*Prionodraco evansii* Regan, 1914

*Psilodraco breviceps* Norman, 1937

*Racovitzia glacialis* Dollo, 1900

*Vomeridens infuscipinnis* (DeWitt, 1964)

### **Channichthyidae (16)**

*Chaenocephalus aceratus* (Lönnberg, 1906)

*Chaenodraco wilsoni* Regan, 1914

#### *Champscephalus*

*esox* (Günther, 1861)  
*gunnari* Lönnberg, 1905

*Channichthys rhinoceratus* Richardson, 1844

*Chionobathyscus dewitti* Andriashev and Neelov, 1978

*Chionodraco*

*hamatus* (Lönnberg, 1905)

*myersi* DeWitt and Tyler, 1960

*rastrispinosus* DeWitt and Hureau, 1979

*Cryodraco*

*antarcticus* Dollo, 1900

†*atkinsoni* Regan, 1914<sup>k</sup>

*Dacodraco hunteri* Waite, 1916

*Neopagetopsis ionah* Nybelin, 1947

*Pagetopsis*

*macropterus* (Boulenger, 1907)

*maculatus* Barsukov and Permitin, 1958

*Pseudochaenichthys georgianus* Norman, 1937

<sup>a</sup>Balushkin (1992, 2000) considers this a junior synonym of *C. trigloides* (Forster in Bloch and Schneider, 1801), however we follow Eschmeyer (1990, 1998) [as does Nelson, 1994, p. ix and Nelson, 2006, p. xi] who considers *C. gobio* as valid.

<sup>b</sup>Last et al. (2002).

<sup>c</sup>Cziko and Cheng (2006).

<sup>d</sup>Not included in previous lists; the status of this species is uncertain but it is treated here as valid; it is widely recognized by South American ichthyologists, e.g., García and Menni (1996) and Ojeda et al. (2000) and has recently been collected off West Falkland Island (Paul Brickle, Fisheries Department, Falkland Islands Government, personal communication, 2005).

<sup>e</sup>Prirodina (2000).

<sup>f</sup>Prirodina (2004).

<sup>g</sup>Prirodina (2002).

<sup>h</sup>Neyelov and Prirodina (2006).

<sup>i</sup>Eakin et al. (2008)

<sup>j</sup>Eakin et al. (2009)

<sup>k</sup>La Mesa et al. (2002).

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