**TABLE S1**

The following table lists the native continental fishes of Chile, highlighting current knowledge about their preferred habitat and/or life history. Abbreviations in the Life history/habitat column correspond to: A, anadromous; C, catadromous; Am, amphidromous; P, potadromous; FW, obligate freshwater resident; E, euryhaline; SW, indicates either estuarine preference or pseudo-complete ocean residency.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| FAMILY | GENUS | SPECIES | LIFE HISTORY/HABITAT | GEOGRAPHIC RANGE (Origin) | REFERENCES |
| Petromyzontidae | *Geotria* | *australis (Gray, 1851)* | A | Southern Hemisphere | (McDowall 1988; Neira et al. 1988) |
| Petromyzontidae | *Mordacia* | *lapicida (Gray, 1851)* | A | Chile | (McDowall 2002) |
| Characidae | *Cheirodon* | *pisciculus (Girard, 1855)* | FW | Chile | (Salas et al. 2012) |
| Characidae | *Cheirodon* | *australe (Eigenmann, 1927)* | FW | Chile | (Salas et al. 2012) |
| Characidae | *Cheirodon* | *galusdae (Eigenmann, 1928)* | FW | Chile | (Salas et al. 2012) |
| Characidae | *Cheirodon* | *kiliani (Campos, 1982)* | FW | Chile | (Salas et al. 2012) |
| Diplomystidae | *Diplomystes*  | *chilensis (Molina, 1782)* | FW | Chile | (Munoz-Ramirez et al. 2010) |
| Diplomystidae | *Diplomystes*  | *camposensis (Arratia, 1987)* | FW | Chile | (Munoz-Ramirez et al. 2010) |
| Diplomystidae | *Diplomystes*  | *nahuelbutaensis (Arratia, 1987)* | FW | Chile | (Munoz-Ramirez et al. 2010) |
| Trichomycteridae | *Nematogenys* | *inermis (Guichenot, 1848)* | FW | Chile | (Habit and Victoriano 2005; Vargas et al. 2015) |
| Trichomycteridae | *Trichomycterus* | *areolatus (Valenciennes, 1846)* | FW | Chile | (Unmack et al. 2009) |
| Trichomycteridae | *Trichomycterus* | *chiltoni (Eigenmann, 1928)* | FW | Chile | (Habit and Victoriano 2005) |
| Trichomycteridae | *Trichomycterus* | *rivulatus (Valenciennes, 1846)* | FW | Chile, Peru, Bolivia | (Pardo et al. 2005; Habit et al. 2006) |
| Trichomycteridae | *Trichomycterus* | *chungaraensis (Arratia 1983)* | FW | Chile | (Arratia F. 1983; Vargas et al. 2015) |
| Trichomycteridae | *Trichomycterus* | *laucaensis (Arratia 1983)* | FW | Chile | (Arratia F. 1983; Vargas et al. 2015) |
| Trichomycteridae | *Hatcheria* | *macraei (Berg, 1985)* | FW | Chile, Argentina | (Unmack et al. 2012; Vargas et al. 2015) |
| Trichomycteridae | *Bullockia* | *maldonadoi (Eigenmann, 1920)* | FW | Chile | (Habit and Victoriano 2005) |
| Galaxiidae | *Galaxias* | *maculatus (Jenyns, 1842)* | C | Southern Hemisphere | (Górski et al. 2015; Vargas et al. 2015) |
| Galaxiidae | *Galaxias*  | *globiceps (Eigenmann, 1928)* | FW | Chile | (Murillo & Ruiz 2002) |
| Galaxiidae | *Galaxias*  | *platei (Steindachner, 1898)* | FW | Chile, Argentina | (Ruzzante et al. 2008; Vargas et al. 2015) |
| Galaxiidae | *Brachygalaxias* | *bullocki (Regan, 1908)* | FW | Chile | (Habit and Victoriano 2005; Correa-Araneda et al. 2014; Vargas et al. 2015)  |
| Galaxiidae | *Brachygalaxias* | *gothei (Busse, 1983)* | FW | Chile | (Cuevas et al. 1999; Vargas et al. 2015) |
| Galaxiidae | *Aplochiton* | *zebra (Jenyns, 1842)* | FW | Chile, Argentina, Malvinas | (Vargas et al. 2015) |
| Galaxiidae | *Aplochiton* | *taeniatus (Jenyns, 1842)* | C | Chile, Argentina, Malvinas | (Vanhaecke et al. 2012; Alò et al. 2013; Vargas et al. 2015) |
| Galaxiidae | *Aplochiton* | *marinus (Eigenmann, 1928)* | C | Chile | (Alò et al. 2013; Vargas et al. 2015) |
| Atherinopsidae | *Basilichthys* | *microlepidotus (Jenyns, 1841)*(syn:*australis)* | FW | Chile | (Dyer 2000) |
| Atherinopsidae | *Basilichthys*  | *semotilus (Cope, 1874)* | P | Chile, Peru |  (Dyer 2000; Vargas et al. 2015) |
|   |  |  |  |  |   |
| Atherinopsidae | *Odontesthes* | *mauleanum (Steindachner, 1896)* | E | Chile | (Dyer 2000) |
| Atherinopsidae | *Odontesthes* | *itatanum (Steindachner, 1896)* | E | Chile | (Dyer 2000) |
| Atherinopsidae | *Odontesthes* | *brevianalis (Gunther, 1880)* | E | Argentina, Chile | (Dyer 2000; Ministerio del Medio Ambiente 2013) |
| Atherinopsidae | *Odontesthes* | *hatchery* (Eigenmann, 1909) | E | Argentina, Chile | (Tsuzuki et al. 2008; Ministerio del Medio Ambiente 2013) |
| Atherinopsidae | *Odontesthes* | *molinae (Fowler, 1940) or (Fischer, 1962)*  | No information (Possible synonym with other Odontesthes) | Chile | (Campos et al. 1998; Vargas et al. 2015) |
| Atherinopsidae | *Odontesthes* | *regia* (Humboldt, 1821) | SW (Juveniles in estuarine) | Peru, Chile, Argentina, Malvinas | (Ministerio del Medio Ambiente 2013) |
| Atherinopsidae | *Odontesthes* | *nigricans* (Richardson, 1848) | SW (Juveniles in estuarine) | Chile, Argentina, Malvinas | (Dyer 2000) |
| Atherinopsidae | *Odontesthes* | *wiebrichi* (Eigenmann, 1928) | E (Possible hybrid regia/brevianalis) | Chile | (Dyer 2000) |
| Cyprinodontidae | *Orestias* | *agassii (Valenciennes, 1846)* | FW | Peru, Chile | (Diario Oficial de la Republica de Chile 2008; Vargas et al. 2015)  |
| Cyprinodontidae | *Orestias* | *chungarensis (Arratia, 1982)* | FW | Chile | (Diario Oficial de la Republica de Chile 2008; Vargas et al. 2015)  |
| Cyprinodontidae | *Orestias* | *parinacotensis (Arratia, 1982)* | FW | Chile | (Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013; Vargas et al. 2015) |
| Cyprinodontidae | *Orestias* | *laucaensis (Arratia, 1982)* | FW | Chile | (Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013) |
| Cyprinodontidae | *Orestias* | *ascotanensis (Parenti, 1984)* | FW | Chile | (Pardo et al. 2005; Vila et al. 2007; Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013) |
| Cyprinodontidae | *Orestias* | *gloriae (Vila et al, 2011)* | FW (Saltpans)  | Chile | (Vila et al. 2011) |
| Cyprinodontidae | *Orestias* | *piacotensis (Vila, 2006)* | FW | Chile | (Vila 2006; Ministerio del Medio Ambiente 2013) |
| Mugilidae | *Mugil*  | *cephalus (Linnaeus, 1758)* | E/50km upstream FW | Worldwide coastal areas | (Habit and Victoriano 2005; Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013; Vargas et al. 2015) |
| Percichthyidae | *Percichthys* | *melanops (Girard, 1855)* | FW | Chile | (Habit and Victoriano 2005; Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013; Vargas et al. 2015) |
| Percichthyidae | *Percichthys* | *trucha (Regan, 1905)* | FW | Argentina, Chile | (Ruzzante et al. 2006; Diario Oficial de la Republica de Chile 2008; Vargas et al. 2015) |
| Perciliidae | *Percilia* | *gillissi (Girard, 1855)* | FW | Chile | (Habit and Victoriano 2005; Ministerio del Medio Ambiente 2013; Vargas et al. 2015)  |
| Perciliidae | *Percilia* | *irwini (Eigenmann, 1928)* | FW | Chile | (Habit and Victoriano 2005; Diario Oficial de la Republica de Chile 2008; Ministerio del Medio Ambiente 2013) |

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