**Supplementary Table 1.** Checklist of all known relationships concerning metastrongyles in marine mammals, complete with information on anatomical ranges documented for each relationship.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Host Family** | **Host Species** | **Common Name** | **Parasite Family** | **Parasite species** | **Anatomical Location** | **Reference** |
| Balaenopteridae | Megaptera novaeangliae  | *Humpback Whale* | Pseudaliidae | *Pharurus alatus*  | N/A | (Raga and Balbuena, 1987) |
| Delphinidae | Cephalorhynchus commersonii | *Commerson's Dolphin* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Greenwood and Taylor, 1979) |
| *Halocercus sp.* | Lower respiratory | (Goodall *et al.*, 1988; Dougnac and Fredes, 2012) |
| *Stenurus sp.* | Lower respiratory | (Duignan, 2000) |
| Cephalorhynchus hectori | *Hector's dolphin* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (McKenzie and Blair, 1983; Duignan, 2000) |
| Delphinus delphis | *Short-beaked common dolphin* | Pseudaliidae | *Halocercus cryptocephalus* | N/A | (Delyamure, 1968) |
| *Halocercus delphini* | Lower respiratory | (Abollo *et al.*, 1998; Gibson *et al.*, 1998; Davison *et al.*, 2013; Pool *et al.*, 2020b, 2021) |
| *Halocercus invaginatus* | N/A | (Raga and Balbuena, 1987) |
| *Halocercus kleinenbergi*  | N/A | (Harris, 1982) |
| *Halocercus lagenorhynchi* | Lower respiratory | (Tomo *et al.*, 2010) |
| *Halocercus sp.* | Lower respiratory | (Zafra *et al.*, 2015b; Lehnert *et al.*, 2017) |
| *Stenurus minor* | N/A | (Raga, 1994) |
| *Stenurus ovatus* | Lower respiratory | (Pool *et al.*, 2021) |
| *Stenurus sp.*  | Lower respiratory | (DÍaz-Delgado *et al.*, 2012) |
| Delphinus sp.  | *Common dolphin* | Filaroididae | *Parafilaroides sp.*  | Lower respiratory | (Stockin *et al.*, 2009) |
| Feresa attenuata  | *Pygmy killer whale* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Guimarães *et al.*, 2015) |
| *Halocercus sp.* | Lower respiratory | (Mignucci-Giannoni *et al.*, 1998b) |
| *Stenurus globicephalae* | Gastrointestinal, Lower respiratory, Otic apparatus | (Forrester *et al.*, 1980; Mignucci-Giannoni *et al.*, 1998b) |
| Globicephala macrorhynchus | *Short-finned pilot whale* | Pseudaliidae | *Halocercus kleinenbergi* | Lower respiratory | (Carvalho *et al.*, 2010) |
| *Stenurus globicephalae* | Gastrointestinal, Otic apparatus | (Arnold and Gaskin, 1975; Mignucci-Giannoni *et al.*, 1998b; Carvalho *et al.*, 2010) |
| *Stenurus minor* | N/A | (Morales Vela and Olvera Gómez, 1993) |
| *Stenurus sp.* | Otic apparatus | (Huertas and Lagueux, 2016) |
| *Torynurus convolutus* | N/A | (Dougherty, 1943) |
| Globicephala melas | *Long-finned pilot whale* | Pseudaliidae | *Stenurus globicephalae* | Lower respiratory, Otic apparatus | (Cowan, 1967; Arnold and Gaskin, 1975; McManus *et al.*, 1984; Abollo *et al.*, 1998; Gibson *et al.*, 1998; Lehnert *et al.*, 2017; Pool *et al.*, 2021) |
| *Torynurus convolutus* | Lower respiratory | (Baylis and Daubney, 1925; Baylis, 1932) |
| Grampus griseus | *Risso's dolphin* | Pseudaliidae | *Halocercus delphini* | Lower respiratory | (Pool *et al.*, 2021) |
| *Stenurus globicephalae* | Gastrointestinal, Lower respiratory, Otic apparatus | (Arnold and Gaskin, 1975; Fernández *et al.*, 2003; Lehnert *et al.*, 2017; Pool *et al.*, 2021) |
| *Stenurus minor* | N/A | (Tomilin, 1967) |
| Lagenodelphis hosei | *Fraser's dolphin* | Pseudaliidae | *Stenurus ovatus* | Lower respiratory | (McColl and Obendorf, 1982) |
| Lagenorhynchus acutus | *White sided dolphin* | Pseudaliidae | *Halocercus lagenorhynchi* | N/A | (Raga and Balbuena, 1987) |
| *Pseudalius inflexus* | N/A | (Evans, 1991) |
| *Stenurus globicephalae* | Gastrointestinal, Otic apparatus | (Arnold and Gaskin, 1975; Beverley-Burton, 1978; Rogan *et al.*, 1997; Schick *et al.*, 2020) |
| *Torynurus convolutus* | N/A | (Gibson and Harris, 1979) |
| Lagenorhynchus albirostris | *White-beaked dolphin* | Pseudaliidae | *Halocercus lagenorhynchi* | Lower respiratory | (Baylis and Daubney, 1925; Gibson and Harris, 1979) |
| Lagenorhynchus obscurus | *Dusky dolphin* | Pseudaliidae | *Halocercus sp.* | Gastrointestinal | (von Waerebeek *et al.*, 1993) |
| *Stenurus sp.* | Gastrointestinal | (de Castro *et al.*, 2014) |
| Lissodelphis borealis | *Northern right whale dolphin* | Pseudaliidae | *Halocercus sp.* | N/A | (Moser and Rhinehart, 1993) |
| Orcinus orca | *Killer whale (Orca)* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (Reckendorf *et al.*, 2018) |
| Peponocephala electra | *Melon-headed whale* | Pseudaliidae | *Halocercus sp.* | N/A | (Dailey and Brownell, 1972) |
| *Stenurus globicephalae* | Otic apparatus | (Cannon, 1977; Mignucci-Giannoni *et al.*, 1998a; b; Carvalho *et al.*, 2010) |
| Pseudorca crassidens | *False killer whale* | Pseudaliidae | *Stenurus auditivus* | N/A | (Zam *et al.*, 1971) |
| *Stenurus globicephalae* | Otic apparatus | (Zylber *et al.*, 2002) |
| Sotalia fluviatilis | *Tucuxi* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Santos *et al.*, 1996; Di Beneditto and Ramos, 2004; Melo *et al.*, 2006; Rodrigues *et al.*, 2018) |
| Sotalia guianensis | *Guiana dolphin* | Pseudaliidae | *Halocercus brasiliensis* | Gastrointestinal, Lower respiratory | (Marigo *et al.*, 2010; Carvalho *et al.*, 2010; Guimarães *et al.*, 2013, 2015; Domiciano *et al.*, 2016; Groch *et al.*, 2018, 2020b; Carvalho Demarque *et al.*, 2020) |
| *Halocercus sp.* | Lower respiratory | (Carvalho *et al.*, 2010) |
| Sousa chinensis | *Indo-Pacific humpback dolphin* | Pseudaliidae | *Halocercus pingi* | Lower respiratory | (Parsons and Jefferson, 2000; Parsons *et al.*, 2001) |
| Sousa plumbea | *Indian Ocean humpback dolphin* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (Lane *et al.*, 2014) |
| Stenella attenuata | *Pantropical spotted dolphin* | Pseudaliidae | *Halocercus delphini* | Lower respiratory | (Dailey and Perrin, 1973) |
| *Halocercus sp.* | Lower respiratory | (Oliveira *et al.*, 2011) |
| Stenella clymene | *Clymene dolphin* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Carvalho *et al.*, 2010; Guimarães *et al.*, 2015) |
| *Halocercus delphini* | Lower respiratory, Upper respiratory | (Aguilar-Aguilar *et al.*, 2010; Hernández-Orts *et al.*, 2021) |
| *Halocercus sp.* | Lower respiratory | (Carvalho *et al.*, 2010) |
| Stenella coeruleoalba | *Striped dolphin* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Rosas *et al.*, 2002) |
| *Halocercus delphini* | Lower respiratory | (Lehnert *et al.*, 2017; Pool *et al.*, 2020a; b, 2021; Terracciano *et al.*, 2020) |
| *Halocercus lagenorhynchi* | Lower respiratory | (Ross and Bass, 1971; Gibson *et al.*, 1998; Oliveira *et al.*, 2011; Terracciano *et al.*, 2020) |
| *Halocercus sp.* | Lower respiratory | (Abollo *et al.*, 1998; Carvalho *et al.*, 2010; Zafra *et al.*, 2015b; Lehnert *et al.*, 2017; Vargas-Castro *et al.*, 2020; García de los Ríos y Loshuertos *et al.*, 2021) |
| *Pharurus sp.* | N/A | (García de los Ríos y Loshuertos *et al.*, 2021) |
| *Pseudalius sp.* | N/A | (García de los Ríos y Loshuertos *et al.*, 2021) |
| *Stenurus minor* | Gastrointestinal | (Aytemiz *et al.*, 2012) |
| *Stenurus ovatus* | Lower respiratory | (Pool *et al.*, 2020a, 2021) |
| *Stenurus sp.*  | N/A | (García de los Ríos y Loshuertos *et al.*, 2021) |
| Stenella frontalis | *Spotted dolphin* | Pseudaliidae | *Halocercus delphini* | N/A | (Perrin *et al.*, 1994) |
| *Halocercus lagenorhynchi* | N/A | (Perrin *et al.*, 1987) |
| *Halocercus sp.* | Lower respiratory | (Zafra *et al.*, 2015b) |
| *Pseudalius sp.* | Lower respiratory | (Zafra *et al.*, 2015b) |
| Stenella longirostris  | *Spinner dolphin* | Pseudaliidae | *Halocercus brasiliensis* | Lower respiratory | (Carvalho *et al.*, 2010; Domiciano *et al.*, 2016) |
| *Halocercus delphini* | Lower respiratory | (Dailey and Perrin, 1973) |
| *Halocercus sp.* | Lower respiratory | (Carvalho *et al.*, 2010; Oliveira *et al.*, 2011) |
| Steno bredanensis | *Rough-toothed dolphin* | Pseudaliidae | *Stenurus sp.* | Otic apparatus | (Ewing *et al.*, 2020) |
| Tursiops aduncus | *Indo-Pacific bottlenose dolphin* | Pseudaliidae | *Halocercus lagenorhynchi* | Lower respiratory | (Tomo *et al.*, 2010) |
| *Halocercus sp.* | Lower respiratory | (Stephens *et al.*, 2014; Lane *et al.*, 2014) |
| *Stenurus ovatus* | Lower respiratory | (Tomo *et al.*, 2010) |
| Tursiops truncatus | *Common bottlenose dolphin* | Pseudaliidae | *Halocercus cryptocephalus* | Lower respiratory | (Bowie, 1984; Fauquier *et al.*, 2009) |
| *Halocercus delphini* | Lower respiratory | (Abollo *et al.*, 1998; Terracciano *et al.*, 2020; Pool *et al.*, 2021) |
| *Halocercus invaginatus* | N/A | (Birkun and Krivokhizhin, 1996) |
| *Halocercus lagenorhynchi* | Lower respiratory | (Woodard *et al.*, 1969; Dailey *et al.*, 1991b; Lipscomb *et al.*, 1996; Mazzariol *et al.*, 2007; McFee and Lipscomb, 2009; Fauquier *et al.*, 2009) |
| *Halocercus sp.* | Lower respiratory | (Sierra *et al.*, 2014; Seguel *et al.*, 2020b) |
| *Pharurus alatus* | Lower respiratory | (Tomo *et al.*, 2010) |
| *Stenurus minor* | Lower respiratory | (Birincioğlu *et al.*, 2017) |
| *Stenurus ovatus* | Lower respiratory | (Bowie, 1984; Kumazawa *et al.*, 2006; Kuwamura *et al.*, 2007; Tomo *et al.*, 2010; Terracciano *et al.*, 2020; Pool *et al.*, 2021) |
| *Stenurus sp.* | Lower respiratory | (Sierra *et al.*, 2014) |
| Iniidae | Inia geoffrensis | *Amazon river dolphin* | Pseudaliidae | *Halocercus brasiliensis*  | Lower respiratory | (Rodrigues *et al.*, 2018) |
| *Halocercus sp.*  | N/A | (Dailey and Brownell, 1972) |
| Kogiidae | Kogia breviceps | *Pygmy sperm whale* | Pseudaliidae | *Halocercus sp.*  | Lower respiratory | (Carvalho *et al.*, 2010) |
| Monodontidae | Delphinapterus leucas | *Beluga whale* | Pseudaliidae | *Halocercus monoceris* | Cardiovascular, Lower respiratory, Upper respiratory | (Measures *et al.*, 1995) |
| *Halocercus taurica* | Cardiovascular, Lower respiratory, Upper respiratory | (Measures *et al.*, 1995) |
| *Pharurus pallasii* | Central Nervous System, Lower respiratory, Otic apparatus | (Babero and Thomas, 1960; Arnold and Gaskin, 1975; Kenyon and Kenyon, 1977; Wazura *et al.*, 1986; Measures *et al.*, 1995; Houde *et al.*, 2003) |
| *Stenurus arctomarinus* | Cardiovascular, Lower respiratory, Upper respiratory | (Arnold and Gaskin, 1975; Measures *et al.*, 1995; Burek-Huntington *et al.*, 2015) |
| *Stenurus minor* | N/A | (Kühn, 1829) |
| Monodon monoceros | *Narwhal* | Pseudaliidae | *Halocercus monoceris* | Lower respiratory | (Webster *et al.*, 1973; MacNeill *et al.*, 1975) |
| *Pharurus alatus* | N/A | (Arnold and Gaskin, 1975) |
| Otariidae | Arctocephalus australis | *South american fur seal* | Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Jacobus *et al.*, 2016) |
| *Parafilaroides normani* | Lower respiratory | (Echenique *et al.*, 2020) |
| Arctocephalus forsteri | *New zealand fur seal* | Filaroididae | *Parafilaroides normani* | Lower respiratory | (Dailey, 2009) |
| Arctocephalus gazella | *Antarctic fur seal* | Filaroididae | *Parafilaroides normani* | Lower respiratory | (Jacobus *et al.*, 2016) |
| Arctocephalus philippii | *Guadalupe Fur seal* | Filaroididae | *Parafilaroides decorus* | Cardiovascular, Lower respiratory | (Seguel *et al.*, 2018a; Williams *et al.*, 2020) |
| Arctocephalus pusillus | *Australian fur seal* | Filaroididae | *Parafilaroides normani* | Lower respiratory | (Dailey, 2009; Jabbar *et al.*, 2014) |
| Arctocephalus tropicalis | *Sub-antarctic fur seal* | Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Reisfeld *et al.*, 2019) |
| *Parafilaroides normani* | Lower respiratory | (Dailey, 2009) |
| Callorhinus ursinus | *Northern fur seal* | Filaroididae | *Parafilaroides decorus* | N/A | (Gerber *et al.*, 1993) |
| Eumetopias jubatus | *Stellar sea lion* | Filaroididae | *Parafilaroides decorus* | Lower respiratory | (Stroud, 1978; Stroud and Roffe, 1979) |
| *Parafilaroides nanus* | N/A | (Dougherty and Herman, 1947) |
| *Parafilaroides prolificus* | N/A | (Dougherty and Herman, 1947) |
| Neophoca cinerea | *Australian sea lion* | Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Nicholson and Fanning, 1981) |
| Otaria flavescens | *South American sea lion* | Crenosomatidae | *Otostrongylus circumlitus* | N/A | (Ebmer *et al.*, 2020) |
| *Otostrongylus sp.* | N/A | (Hermosilla *et al.*, 2016) |
| Filaroididae | *Parafilaroides sp.* | N/A | (Hermosilla *et al.*, 2016) |
| Phocarctos hookeri | *New zealand sea lion* | Filaroididae | *Parafilaroides decorus* | N/A | (Duignan, 2000) |
| Zalophus californianus | *Californian sea lion* | Crenosomatidae | *Otostrongylus circumlitus* | Cardiovascular, Lower respiratory | (Kelly *et al.*, 2005; Goldstein *et al.*, 2011) |
| Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Gulland *et al.*, 2012) |
| *Parafilaroides decorus* | Lower respiratory | (Johnston and Ridgway, 1969; Dailey, 1970b; Fleischman and Squire, 1970; Migaki *et al.*, 1971; Sweeney and Gilmartin, 1974; Stroud, 1978; Gerber *et al.*, 1993; Haulena and Gulland, 2001; Fauquier *et al.*, 2004; Greig *et al.*, 2005; Dennison *et al.*, 2007; Evans, 2011; Kuzmina *et al.*, 2018; Williams *et al.*, 2020; Liu *et al.*, 2021) |
| Zalophus wollebaeki | *Galapagos sea lion* | Crenosomatidae | *Otostrongylus sp.* | N/A | (Walden *et al.*, 2018) |
| Filaroididae | *Parafilaroides sp.* | N/A | (Walden *et al.*, 2018) |
| Phocidae | Cystophora cristata | *Hooded seal* | Crenosomatidae | *Otostrongylus circumlitus* | Lower respiratory | (Lucas *et al.*, 2003) |
| Filaroididae | *Parafilaroides gymnurus* | Lower respiratory | (Lucas *et al.*, 2003) |
| Erignathus barbatus | *Bearded seal* | Crenosomatidae | *Otostrongylus circumlitus* | N/A | (Antonelis *et al.*, 1994) |
| Filaroididae | *Parafilaroides sp.* | Cardiovascular, Lower respiratory | (Walden *et al.*, 2020) |
| *Parafilaroides gymnurus* | Lower respiratory | (Gosselin *et al.*, 1998; Walden *et al.*, 2020) |
| Halichoerus grypus | *Grey seal* | Crenosomatidae | *Otostrongylus circumlitus* | Cardiovascular, Lower respiratory | (Gosselin *et al.*, 1998; Ulrich *et al.*, 2015; Barnett *et al.*, 2019a, 2021) |
| *Otostrongylus sp.* | Lower respiratory | (Baker, 1987) |
| Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Baker, 1987; Barnett *et al.*, 2019a, 2021) |
| *Parafilaroides gymnurus* | Lower respiratory | (Gosselin and Measures, 1997; Gosselin *et al.*, 1998; Ulrich *et al.*, 2015) |
| *Parafilaroides hispidus* | Lower respiratory | (Gosselin and Measures, 1997; Gosselin *et al.*, 1998) |
| Histriophoca fasciata | *Ribbon seal* | Crenosomatidae | *Otostrongylus circumlitus* | N/A | (Walden *et al.*, 2020) |
| *Otostrongylus sp.*  | N/A | (Walden *et al.*, 2020) |
| Filaroididae | *Parafilaroides gymnurus* | Lower respiratory | (Walden *et al.*, 2020) |
| Hydrurga leptonyx | *Leopard seal* | Filaroididae | *Parafilaroides hydrurgae* | Lower respiratory | (Mawson, 1953) |
| Mirounga angustirostris | *Northern elephant seal* | Crenosomatidae | *Otostrongylus circumlitus* | Cardiovascular,Gastrointestinal,Lower respiratory  | (Stroud, 1978; Stroud and Roffe, 1979; Gulland *et al.*, 1997a; Elson-Riggins *et al.*, 2001; Fauquier *et al.*, 2003; Elson-Riggins *et al.*, 2004; Colegrove *et al.*, 2005; Kaye *et al.*, 2016; Sheldon *et al.*, 2017; Kaye *et al.*, 2017; Sheldon *et al.*, 2019) |
| *Otostrongylus sp.* | N/A | (Gerber *et al.*, 1993) |
| Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Stroud, 1978; Stroud and Roffe, 1979) |
| *Parafilaroides decorus* | N/A | (Gerber *et al.*, 1993) |
| *Parafilaroides measuresae* | Lower respiratory | (Dailey, 2006b) |
| Pagophilus groenlandicus | *Harp seal* | Crenosomatidae | *Otostrongylus circumlitus* | Lower respiratory, Upper respiratory | (Lucas *et al.*, 2003; Piché *et al.*, 2010) |
| Filaroididae | *Parafilaroides gymnurus* | Lower respiratory | (Gosselin and Measures, 1997; Gosselin *et al.*, 1998; Lucas *et al.*, 2003) |
| Phoca largha | *Spotted seal* | Crenosomatidae | *Otostrongylus circumlitus* | N/A | (Delyamure *et al.*, 1984; Walden *et al.*, 2020) |
| Filaroididae | *Parafilaroides gymnurus* | Lower respiratory | (Delyamure *et al.*, 1984; Walden *et al.*, 2020) |
| Phoca vitulina | *Harbour seal* | Crenosomatidae | *Otostrongylus circumlitus* | Cardiovascular, Lower respiratory | (Dunn and Wolke, 1976; Kennedy *et al.*, 1989; Claussen *et al.*, 1991; Borgsteede *et al.*, 1991; Gerber *et al.*, 1993; Gosselin *et al.*, 1998; Elson-Riggins *et al.*, 2001, 2004; Fouchier *et al.*, 2001; Vercruysse *et al.*, 2003; Colegrove *et al.*, 2005; McKnight *et al.*, 2005; Lehnert *et al.*, 2007, 2010; Leidenberger and Boström, 2009; Lambourn *et al.*, 2013; Osinga *et al.*, 2015; Ulrich *et al.*, 2015, 2016; Kroese *et al.*, 2018) |
| *Otostrongylus sp.* | N/A | (Herreman *et al.*, 2011) |
| Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Garner *et al.*, 1997; Prenger-Berninghoff *et al.*, 2008; Herreman *et al.*, 2011; Lambourn *et al.*, 2013; Rhyan *et al.*, 2018b) |
| *Parafilaroides decorus* | Lower respiratory | (Greig *et al.*, 2014) |
| *Parafilaroides gullandae* | Lower respiratory | (Dailey, 2006b) |
| *Parafilaroides gymnurus* | Lower respiratory, Reproductive | (Schumacher *et al.*, 1990; Claussen *et al.*, 1991; Borgsteede *et al.*, 1991; Gosselin and Measures, 1997; Gosselin *et al.*, 1998; Fouchier *et al.*, 2001; Vercruysse *et al.*, 2003; Lehnert *et al.*, 2007, 2010; Osinga *et al.*, 2015; Ulrich *et al.*, 2015; Elson-Riggins *et al.*, 2020) |
| Pusa caspica | *Caspian seal* | Filaroididae | *Parafilaroides caspicus* | N/A | (Kurochkin and Zablotsky, 1958) |
| Pusa hispida | *Ringed seal* | Crenosomatidae | *Otostrongylus circumlitus* | Lower respiratory | (Onderka, 1989; Measures and Gosselin, 1994; Bergeron *et al.*, 1997a; b; Walden *et al.*, 2020) |
| Filaroididae | *Parafilaroides sp.* | Lower respiratory | (Walden *et al.*, 2020) |
| *Parafilaroides gymnurus* | Gastrointestinal, Lower respiratory  | (Measures and Gosselin, 1994; Gosselin and Measures, 1997; Gosselin *et al.*, 1998; Walden *et al.*, 2020) |
| *Parafilaroides hispidus* | Lower respiratory | (Kennedy, 1986; Onderka, 1989; Gosselin and Measures, 1997; Gosselin *et al.*, 1998) |
| Pusa sibirica | *Baikal seal* | Crenosomatidae | *Otostrongylus circumlitus* | Lower respiratory | (Suvorova and Prokushina, 2021) |
| Filaroididae | *Parafilaroides gymnurus* | Lower respiratory | (Kontrimavichus and Delyamure, 1979; Suvorova and Prokushina, 2021) |
| Phocoenidae | Neophocaena asiaeorientalis   | *Narrow-ridged finless porpoise* | Pseudaliidae | *Halocercus pingi* | Lower respiratory, Reproductive | (Shiozaki and Amano, 2017) |
| *Halocercus sp.* | Lower respiratory | (Wan *et al.*, 2017; Gui *et al.*, 2018) |
| *Halocercus sunameri* | Lower respiratory | (Shiozaki and Amano, 2017) |
| *Halocercus taurica* | Lower respiratory | (Shiozaki and Amano, 2017) |
| *Pharurus asiaeorientalis* | Lower respiratory, Otic apparatus | (Shiozaki and Amano, 2017) |
| *Pharurus sunameri* | Lower respiratory, Otic apparatus | (Shiozaki and Amano, 2017) |
| *Stenurus nanjingensis* | Otic apparatus | (Shiozaki and Amano, 2017) |
| Neophocaena phocaenoides | *Indo-Pacific finless porpoise* | Crenosomatidae | *Otostrongylus circumlitus* | N/A | (Yu *et al.*, 2009) |
| Pseudaliidae | *Halocercus pingi* | Lower respiratory | (Wu, 1929; Parsons and Jefferson, 2000; Parsons *et al.*, 2001) |
| *Halocercus sp.* | Lower respiratory | (Gui *et al.*, 2018) |
| *Halocercus sunameri* | N/A | (Yamaguti, 1951) |
| *Halocercus taurica* | N/A | (Kuramochi *et al.*, 2000) |
| *Pharurus asiaeorientalis* | N/A | (Petter and Pilleri, 1982) |
| *Pharurus sunameri* | N/A | (Yamaguti, 1951) |
| *Stenurus auditivus* | N/A | (Hsü and Hoeppli, 1933) |
| *Stenurus nanjingensis* | N/A | (Tao, 1983) |
| Phocoena dioptrica | *Spectacled porpoise* | Pseudaliidae | *Stenurus minor* | Otic apparatus | (Lehnert *et al.*, 2017) |
| Phocoena phocoena | *Harbour Porpoise* | Pseudaliidae | *Halocercus invaginatus* | Cardiovascular, Lower respiratory, Upper respiratory | (Smith and Threlfall, 1973; Andersen, 1974; Arnold and Gaskin, 1975; Dailey and Stroud, 1978; Stroud and Roffe, 1979; Kastelein and Lavaleije, 1992; Moser and Rhinehart, 1993; Balbuena *et al.*, 1994; Abollo *et al.*, 1998; Gibson *et al.*, 1998; Jepson *et al.*, 2000; Rogan *et al.*, 2001; Lehnert *et al.*, 2005, 2010, 2014; Siebert *et al.*, 2006, 2020; Veryeri, 2012; Pekmezci̇ *et al.*, 2013) |
| *Halocercus kirbyi* | N/A | (Dougherty, 1944) |
| *Halocercus sp.* | Lower respiratory | (Smith and Threlfall, 1973; Wunschimann *et al.*, 2001; Jauniaux *et al.*, 2002; Dagleish *et al.*, 2008; Valderrama Vasquez *et al.*, 2008; Fenton *et al.*, 2017; van Elk *et al.*, 2019) |
| *Halocercus taurica* | Lower respiratory | (Arnold and Gaskin, 1975; Gibson *et al.*, 1998; Jepson *et al.*, 2000; Rogan *et al.*, 2001; Pekmezci̇ *et al.*, 2013) |
| *Pharurus dalli* | Lower respiratory, Otic apparatus | (Smith and Threlfall, 1973; Colón-Llavina *et al.*, 2019) |
| *Pharurus sp.* | N/A | (Smith and Threlfall, 1973) |
| *Pseudalius inflexus* | Cardiovascular, Gastrointestinal, Lower respiratory, Otic apparatus | (Andersen, 1974; Arnold and Gaskin, 1975; Kastelein and Lavaleije, 1992; Balbuena *et al.*, 1994; Brosens *et al.*, 1996; Szefer *et al.*, 1998; Gibson *et al.*, 1998; Wünschmann *et al.*, 1999; Jepson *et al.*, 2000; Siebert *et al.*, 2001, 2006, 2013, 2020; Wunschimann *et al.*, 2001; Rogan *et al.*, 2001; Jauniaux *et al.*, 2002; Lehnert *et al.*, 2005, 2010; Dawson *et al.*, 2008; Dagleish *et al.*, 2008; Valderrama Vasquez *et al.*, 2008; Davison *et al.*, 2010a; b; Seibel *et al.*, 2010; Fenton *et al.*, 2017; van Elk *et al.*, 2019; Gabel *et al.*, 2021)  |
| *Stenurus minor* | Gastrointestinal, Lower respiratory, Otic apparatus, Upper Respiratory  | (Andersen, 1974; Arnold and Gaskin, 1975; Dailey and Stroud, 1978; Stroud and Roffe, 1979; Faulkner, 1995; Brosens *et al.*, 1996; Faulkner *et al.*, 1998; Gibson *et al.*, 1998; Wünschmann *et al.*, 1999; Jepson *et al.*, 2000; Siebert *et al.*, 2001, 2006, 2013, 2020; Wunschimann *et al.*, 2001; Rogan *et al.*, 2001; Jauniaux *et al.*, 2002; Kijewska *et al.*, 2003; Lehnert *et al.*, 2005, 2010, 2014; Prahl *et al.*, 2008; Valderrama Vasquez *et al.*, 2008; Seibel *et al.*, 2010; Pekmezci̇ *et al.*, 2013; Fenton *et al.*, 2017; Morell *et al.*, 2017; Wohlsein *et al.*, 2019b; van Elk *et al.*, 2019; Colón-Llavina *et al.*, 2019; Gabel *et al.*, 2021) |
| *Stenurus sp.* | Lower respiratory | (Fenton *et al.*, 2017) |
| *Torynurus convolutus* | Cardiovascular,Gastrointestinal, Lower respiratory, Otic apparatus, Upper respiratory | (Arnold and Gaskin, 1975; Dailey and Stroud, 1978; Kastelein and Lavaleije, 1992; Balbuena *et al.*, 1994; Brosens *et al.*, 1996; Faulkner *et al.*, 1998; Gibson *et al.*, 1998; Wünschmann *et al.*, 1999; Jepson *et al.*, 2000; Siebert *et al.*, 2001, 2006, 2013, 2020; Wunschimann *et al.*, 2001; Rogan *et al.*, 2001; Jauniaux *et al.*, 2002; Lehnert *et al.*, 2005, 2010; Valderrama Vasquez *et al.*, 2008; Davison *et al.*, 2010a; Seibel *et al.*, 2010; Fenton *et al.*, 2017; van Elk *et al.*, 2019) |
| Phocoena spinipinnis | *Burmeister's porpoise* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (Reyes and van Waerebeek, 1995) |
| *Pseudalius inflexus* | Lower respiratory | (Corcuera *et al.*, 1995; Reyes and van Waerebeek, 1995; Alvarado-Rybak *et al.*, 2020b) |
| *Stenurus australis* | Lower respiratory, Otic apparatus | (Torres *et al.*, 1994; Alvarado-Rybak *et al.*, 2020b) |
| *Stenurus minor* | Otic apparatus | (Corcuera *et al.*, 1995) |
| *Stenurus sp.* | Otic apparatus | (Reyes and van Waerebeek, 1995) |
| Phocoenoides dalli | *Dall’s porpoise* | Pseudaliidae | *Halocercus dalli* | Lower respiratory | (Conlogue *et al.*, 1985) |
| *Halocercus kirbyi* | N/A | (Dougherty, 1944) |
| *Halocercus sp.* | Lower respiratory | (Migaki *et al.*, 1971) |
| *Pharurus dalli* | Otic apparatus | (Arnold and Gaskin, 1975; Dailey and Walker, 1978; Kuramochi *et al.*, 1990) |
| *Pharurus sp.* | N/A | (Walker, 1975) |
| *Stenurus minor*  | Lower respiratory, Otic apparatus | (Johnston and Ridgway, 1969; Migaki *et al.*, 1971; Dailey and Walker, 1978) |
| *Stenurus truei* | Otic apparatus | (Kuramochi *et al.*, 1990) |
| *Stenurus yamagutii* | Otic apparatus | (Kuramochi *et al.*, 1990) |
| Physteridae | Physeter macrocephalus | *Sperm whale* | Pseudaliidae | *Stenurus ovatus* | N/A | (Raga and Balbuena, 1987) |
| Ziphiidae | Berardius bairdii | *Baird's beaked whale* | Pseudaliidae | *Halocercus hyperoodoni* | N/A | (Delyamure, 1968) |
| Mesoplodon sp. | *Unidentified whale* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (Moser and Rhinehart, 1993) |
| Mesoplodon stejnegeri | *Stejneger's beaked whale* | Pseudaliidae | *Halocercus sp.* | Lower respiratory | (Savage *et al.*, 2021) |

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