Supplementary Table 2. Functional traits of zooplankton taxa found in analyzed samples

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species | Body length (µm) | Food source | Feeding type | Optimal food particle size (µm) | References |
| *Aspidisca* sp*.* | 33 | B | Cilsus | 4.17875 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Codonella cratera* | 45 | A | Cilsus | 5.604167 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Coleps hirtus* | 39 | BA | Cilsus | 4.845938 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Coleps spetai* | 38 | A | Cilsus | 4.782143 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Epistylis* sp*.* | 58 | B | Cilsus | 7.1875 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Stentor* sp. | 264 | BA | Cilsus | 33.02625 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Strobilidium* sp*.* | 41 | BA | Cilsus | 5.13875 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Tintinidium* sp. | 64 | A | Cilsus | 7.96875 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Vorticella campanula* | 49 | BA | Cilsus | 6.175417 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Vorticella* sp. | 57 | B | Cilsus | 7.119286 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Opercularia* sp*.* | 26 | B | Cilsus | 3.220833 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Frontonia* sp. | 48 | BAP | Cilsus | 5.9375 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| Small scuticociliata | 20 | B | Cilsus | 2.5 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Holophrya* sp*.* | 44 | BAP | Cilsus | 5.52075 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Tetrahymena* sp*.* | 35 | B | Cilsus | 4.375 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Euplotes* sp. | 65 | BAP | Cilsus | 8.125 | (Fenchel, 1980; Foissner and Berger, 1996; Hansen et al., 1994) |
| *Ascomorpha* sp. | 107 | A | Piercer | 6.294118 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Matveeva, 1986) |
| *Ascomorpha saltans* | 82 | A | Piercer | 4.823529 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Matveeva, 1986) |
| *Asplanchna brightwelli* | 625 | AP | Rsus | 36.76471 | (Chang et al., 2010; Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Asplanchna priodonta* | 436 | BAP | Rsus | 25.64706 | (Chang et al., 2010; Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Brachionus angularis* | 133 | BAP | Rsus | 7.823529 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus calyciflorus* | 294 | BAP | Rsus | 17.29412 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Starkweather and Kellar, 1983) |
| *Brachionus diversicornis* | 252 | BAP | Rsus | 14.82353 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus falcatus* | 130 | BAP | Rsus | 7.647059 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus leydigii* | 245 | BAP | Rsus | 14.41176 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus quadridentatus* | 185 | BAP | Rsus | 10.88235 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus rubens* | 220 | BAP | Rsus | 12.94118 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Brachionus urceolaris* | 231 | BAP | Rsus | 13.58824 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Euchlanis dilatata* | 220 | A | Rsus | 12.94118 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Filinia longiseta* | 116 | BA | Rsus | 6.823529 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011) |
| *Gastropus hyptopus* | 79 | A | Piercer | 4.647059 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001) |
| *Gastropus minor* | 110 | A | Piercer | 6.470588 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001) |
| *Kellicotia longispina* | 141 | BA | Rsus | 8.294118 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Wilk-Woźniak et al., 2001) |
| *Keratella cochlearis* | 126 | BA | Rsus | 7.411765 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Wilk-Woźniak et al., 2001) |
| *Keratella quadrata* | 189 | BA | Rsus | 11.11765 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Wilk-Woźniak et al., 2001) |
| *Keratella tecta* | 109 | BA | Rsus | 6.411765 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Wilk-Woźniak et al., 2001) |
| *Lecane* sp. | 87 | BA | Rsus | 5.117647 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Serrania-Soto et al., 2011) |
| *Lecane closterocerca* | 84 | BA | Rsus | 4.941176 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Serrania-Soto et al., 2011) |
| *Lecane flexilis* | 90 | BA | Rsus | 5.294118 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Serrania-Soto et al., 2011) |
| *Lepadella ovalis* | 220 | BA | Rsus | 12.94118 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Lepadella patella* | 100 | BA | Rsus | 5.882353 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Notholca squamula* | 130 | A | Rsus | 7.647059 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Polyarthra euryptera* | 140 | A | Piercer | 8.235294 | (Bogdan et al., 1980; Ejsmont-Karabin et al., 2004; Hansen et al., 1994) |
| *Polyarthra longiremis* | 114 | BA | Piercer | 6.705882 | (Arndt, 1993; Bogdan and Gilbert, 1982; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017) |
| *Polyarthra major* | 168 | BA | Piercer | 9.882353 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Work and Havens, 2003) |
| *Polyarthra remata* | 133 | BA | Piercer | 7.823529 | (Arndt, 1993; Bogdan and Gilbert, 1982; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017) |
| *Polyarthra vulgaris* | 136 | BA | Piercer | 8 | (Arndt, 1993; Bogdan and Gilbert, 1982; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017) |
| *Pompholyx sulcata* | 96 | BA | Rsus | 5.647059 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Ooms-Wilms, 1997) |
| *Pompholyx complanata* | 95 | BA | Rsus | 5.588235 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Kiørboe, 2011; Ooms-Wilms, 1997) |
| *Synchaeta pectinata* | 203 | BAP | Piercer | 11.94118 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001) |
| *Synchaeta oblonga* | 210 | BA | Piercer | 12.35294 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001) |
| *Synchaeta stylata* | 218 | BAP | Piercer | 12.82353 | (Arndt, 1993; Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001) |
| *Trichocerca capucina* | 248 | A | Piercer | 14.58824 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001; Work and Havens, 2003) |
| *Trichocerca cylindrica* | 167 | A | Piercer | 9.823529 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001; Work and Havens, 2003) |
| *Trichocerca pusilla* | 109 | A | Piercer | 6.411765 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001; Work and Havens, 2003) |
| *Trichocerca similis* | 153 | BA | Piercer | 9 | (Ejsmont-Karabin et al., 2004; Hansen et al., 1994; Sodré et al., 2017; Wilk-Woźniak et al., 2001; Work and Havens, 2003) |
| *Acantocyclops robustus* | 990 | P | Ambush | 58.23529 | (Hansen et al., 1994; Kiørboe, 2011; Roche, 1987) |
| *Acantocyclops venustus* | 1177 | P | Ambush | 69.23529 | (Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Cyclops abyssorum* | 1398 | AP | Ambush | 82.23529 | (Bledzki and Rybak, 2016; Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Cyclops strenuus* | 1321 | AP | Ambush | 77.70588 | (Hansen et al., 1994; Kiørboe, 2011; Makino and Ban, 1998) |
| *Cyclops vicinus* | 1516 | AP | Ambush | 89.17647 | (Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Eudiaptomus gracilis* | 1333 | A | Current | 78.41176 | (Hansen et al., 1994; Kiørboe, 2011; Wilk-Woźniak et al., 2001) |
| *Eudiaptomus graciloides* | 1203 | A | Current | 70.76471 | (Hansen et al., 1994; Kiørboe, 2011; Sterner, 1989) |
| *Eurytemora velox* | 1500 | A | Current | 88.23529 | (Hansen et al., 1994; Kiørboe, 2011; Pagano and Gaudy, 1986) |
| *Mesocyclops leuckartii* | 875 | AP | Ambush | 51.47059 | (Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Thermocyclops crassus* | 823 | AP | Ambush | 48.41176 | (Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Thermocyclops oithonoides* | 846 | AP | Ambush | 49.76471 | (Hansen et al., 1994; Hopp and Maier, 2005; Kiørboe, 2011) |
| *Coronatella rectangula* | 359 | BA | Scrapper | 7.977778 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Bosmina (Bosmina) longirostris* | 395 | BA | Bfiltr | 8.777778 | (Barnett et al., 2007; DeMott, 1982; Hansen et al., 1994) |
| *Bosmina (Eubosmina) coregoni* | 470 | A | Bfiltr | 10.44444 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Bosmina (Eubosmina) longispina* | 441 | BA | Bfiltr | 9.8 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Ceriodaphnia dubia* | 500 | BA | Dfiltr | 11.11111 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Ceriodaphnia quadrangula* | 400 | BA | Dfiltr | 8.888889 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Chydorus sphaericus* | 375 | BA | Scrapper | 8.333333 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Daphnia ambiuga* | 680 | A | Dfiltr | 15.11111 | (Barnett et al., 2007; Hansen et al., 1994; Work and Havens, 2003) |
| *Daphnia cucullata* | 670 | BA | Dfiltr | 14.88889 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Daphnia galeata* | 1194 | A | Dfiltr | 26.53333 | (Barnett et al., 2007; Geller and Müller, 1981; Hansen et al., 1994) |
| *Daphnia longispina* | 1187 | BA | Dfiltr | 26.37778 | (Barnett et al., 2007; Hansen et al., 1994; KANKAALA, 1988) |
| *Diaphanosoma brachyurum* | 696 | BA | Dfiltr | 15.46667 | (Barnett et al., 2007; Hansen et al., 1994; Knoechel and Holtby, 1986) |
| *Leptodora kindtii* | 4970 | P | Tactile | 497 | (Bledzki and Rybak, 2016; Branstrator, 1998; Herzig and Auer, 1990) |
| *Moina micrura* | 540 | BA | Dfiltr | 12 | (Barnett et al., 2007; Hansen et al., 1994; Niswati et al., 2005) |

**Abbreviations:**

**A** – Algae

**B** – Bacteria/ seston

**P** – Predator

**Cilsus** – Ciliate-type suspension feeding

**Csus** – Copepod-type suspension feeding

**Bfiltr** – Bosmina-type filtration

**Cfiltr** – Chydorus-type filtration

**Dfiltr** – Daphnia-type filtration

**Piercer** – Rotifers with *Vigrate* Trophi

**Rsus** – Rotifer-type suspension feeding (rotifers with *Malleate*, *Malleoramate* and *Incaudate* Trophi )

**Tactile** – Prey hunting mode characteristic for *Leptodora kindtii*

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