# Supplemental

**Table S1.** Updated summary of propagule swimming speeds across two larval nutritional modes and six representative marine phyla.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Phylum** | **Class** | **Species** | **Nutrition1** | **Life stage2** | **Size** **(m)** | **Speed** **(mm s-1)** | **Adult mobility3** | **References** |
| Annelida | Polychaeta | *Alitta virens* | Planktotroph | Meta | 230 | 0.8 | Motile | Bass and Brafield 1972; Chia et al. 1984 |
| Annelida | Polychaeta | *Capitella capitata I* | Lecithotroph | L.Tro | 500 | 3.1 | Motile | Chia et al. 1984; Butman et al. 1988 |
| Annelida | Polychaeta | *Capitella capitata I* | Lecithotroph | L.Tro | 500 | 3.4 | Motile | Butman et al. 1988; Grassle and Butman 1989; Chia et al. 1984; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Capitella capitata I* | Lecithotroph | L.Tro | 500 | 2.9 | Motile | Chia et al. 1984; Butman et al. 1988; Plate and Husemann 1994;  |
| Annelida | Polychaeta | *Capitella capitata I* | Lecithotroph | Tro | 130 | 5.2 | Motile | Mileikovsky 1973; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Capitella capitata II* | Lecithotroph | L.Tro | 450 | 4 | Motile | Grassle and Butman 1989; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Capitellid unknown* | N/A | L.Tro | 340 | 1.2 | Motile | Beaulieu et al. 2015 |
| Annelida | Polychaeta | *Chaetosphaerid*  | N/A | L.Tro/Meta | 290 | 1.7 | Motile | Beaulieu et al. 2015 |
| Annelida | Polychaeta | *Chone infundibulariformis* | Planktotroph | Tro | N/A | 3.3 | Sedentary | Chia et al. 1984 |
| Annelida | Polychaeta | *Eteone longa* | Planktotroph | Tro | N/A | 1.2 | Motile | Chia et al. 1984 |
| Annelida | Polychaeta | *Eulalia viridis* | Planktotroph | Tro | 350 | 1.5 | Motile | Chia et al. 1984; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Eupolymnia nebulosa* | Planktotroph | L.Tro | 275 | 0.7 | Motile | Duchêne 2004; Bhaud and Gremare 1988 |
| Annelida | Polychaeta | *Galeolaria caespitosa* | Planktotroph | Tro | 218 | 4.27 | Sedentary | Bolton and Havenhand 1997 |
| Annelida | Polychaeta | *Harmothoe imbricata* | Planktotroph | Tro | 200 | 1.1 | Motile | Daly et al. 1972; Chia et al. 1984 |
| Annelida | Polychaeta | *Heteromastus filiformis* | Planktotroph | Meta | 340 | 0.6 | Motile | Chia et al. 1984; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Heteromastus filiformis* | Planktotroph | Tro | 100 | 0.5 | Motile | Chia et al. 1984; Plate and Husemann 1994 |
| Annelida | Polychaeta | *Hydroides elegans* | Planktotroph | Tro | N/A | 0.2 | Sedentary | Leung et al. 2013 |
| Annelida | Polychaeta | *Lagis koreni* | Planktotroph | Meta | N/A | 2.5 | Sedentary | Chia et al. 1984 |
| Annelida | Polychaeta | *Lagis koreni* | Planktotroph | Tro | N/A | 1.7 | Sedentary | Chia et al. 1984 |
| Annelida | Polychaeta | *Nephtys ciliata* | Planktotroph | Meta | N/A | 1.3 | Motile | Chia et al. 1984 |
| Annelida | Polychaeta | *Nephtys ciliata* | Planktotroph | Tro | N/A | 2.5 | Motile | Chia et al. 1984 |
| Annelida | Polychaeta | *Pholoe minuta* | Planktotroph | Meta | 360 | 0.8 | Motile | Blake 1975; Chia et al. 1984 |
| Annelida | Polychaeta | *Phyllodoce maculata* | Planktotroph | Tro | N/A | 1.8 | Motile | Chia et al. 1984 |
| Annelida | Polychaeta | *Phyllodoce mucosa* | Planktotroph | Tro | N/A | 1.2 | Motile | Chia et al. 1984 |
| Annelida | Polychaeta | *Polydora ciliata* | Planktotroph | Stage1 | 220 | 0.5 | Motile | Hansen et al. 2010 |
| Annelida | Polychaeta | *Polydora ciliata* | Planktotroph | Stage2 | 560 | 0.5 | Motile | Hansen et al. 2010 |
| Annelida | Polychaeta | *Polydora ciliata* | Planktotroph | Stage3 | 920 | 0.4 | Motile | Hansen et al. 2010 |
| Annelida | Polychaeta | *Scoloplos armiger* | Lecithotroph | Meta | 400 | 0.5 | Motile | Anderson 1959; Chia et al. 1984 |
| Annelida | Polychaeta | *Scoloplos armiger* | Lecithotroph | Tro | 200 | 0.8 | Motile | Anderson 1959; Chia et al. 1984 |
| Annelida | Polychaeta | *Spirobranchus giganteus* | Planktotroph | Tro | N/A | 2.1 | Sedentary | Marsden 1984 |
| Annelida | Polychaeta | *Spirobranchus polycerus* | Planktotroph | Tro | 100 | 2.25 | Sedentary | Marsden 1994 |
| Annelida | Polychaeta | *Streblospio benedicti* | Planktotroph | Setiger | 175 | 0.6 | Motile | Levin and Creed 1986; Ward et al. 2000;  |
| Bryozoa | Cheilostomatida | *Membranipora sp.* | Planktotroph | Cyphonautes | ~400 | 1.9 | Sessile | Chia et al. 1984; Atkins 1955 |
| Bryozoa | Gymnolaemata | *Amathia vidovici* | Lecithotroph | Coronate | 150 | 3.3 | Sessile | Zimmer and Woollacott 1993 |
| Bryozoa | Gymnolaemata | *Bugula neritina* | Lecithotroph | Pyriform | 270 | 4.6 | Sessile | Wendt 2000 |
| Bryozoa | Gymnolaemata | *Bugulina californica* | Lecithotroph | Cyphonautes | 220 | 2.6 | Sessile | Rebolledo et al. 2014 |
| Bryozoa | Gymnolaemata | *Bugulina simplex* | Lecithotroph | Cyphonautes | 210 | 4.4 | Sessile | Wendt 2000 |
| Bryozoa | Gymnolaemata | *Bugulina sp.* | Lecithotroph | Cyphonautes | N/A | 1.3 | Sessile | Mileikovsky 1973 |
| Bryozoa | Gymnolaemata | *Bugulina stolonifera* | Lecithotroph | Cyphonautes | 160 | 4.9 | Sessile | Wendt 2000 |
| Bryozoa | Gymnolaemata | *Crisularia turrita* | Lecithotroph | Cyphonautes | 200 | 3.4 | Sessile | Wendt 2000 |
| Cnidaria | Anthozoa | *Agaricia tenuifolia* | Lecithotroph | Plan | N/A | 3.6 | Sessile | Gleason et al. 2009 |
| Cnidaria | Anthozoa | *Agaricia teunifolia* | Lecithotroph | Plan | N/A | 2.1 | Sessile | Gleason et al. 2009 |
| Cnidaria | Anthozoa | *Anthopleura nigrescens* | Lecithotroph | Plan | 215 | 2.5 | Sedentary | Hodgson 1985 |
| Cnidaria | Anthozoa | *Caryophyllia smithi* | Lecithotroph | Plan | 140 | 30 | Sessile | Tranter et al. 1982; Chia et al. 1984 |
| Cnidaria | Anthozoa | *Cerianthus sp.* | Lecithotroph | Plan | 300 | 6.5 | Sedentary | Hodgson 1985 |
| Cnidaria | Anthozoa | *Coelastrea aspera* | Lecithotroph | Plan | 470 | 2.73 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Corallium rubrum* | Lecithotroph | Plan | N/A | 1.5 | Sessile | Martínez-Quintana et al. 2015 |
| Cnidaria | Anthozoa | *Cyphastrea ocellina* | Lecithotroph | Plan | 850 | 2.5 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | *Entacmaea quadricolor* | Lecithotroph | Plan | 600 | 2.1 | Sedentary | Scott and Harrison 2007 |
| Cnidaria | Anthozoa | *Eunicella singularis* | Lecithotroph | Plan | 2500 | 3 | Sessile | Weinberg and Weinberg 1979 |
| Cnidaria | Anthozoa | *Galaxea horrescens* | Lecithotroph | Plan | 2300 | 2.41 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Heliofungia actiniformis* | Lecithotroph | Plan | 500 | 5 | Sessile | Chia et al. 1984; Baird et al. 2014 |
| Cnidaria | Anthozoa | *Heliofungia actinoformis* | Lecithotroph | Plan | 500 | 1.57 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Heliofungia actinoformis* | Lecithotroph | Plan | 500 | 1.66 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Heliopora coerulea* | Lecithotroph | Plan | 3700 | 0.03 | Sessile | Harii et al. 2002 |
| Cnidaria | Anthozoa | *Isopora brueggemanni* | Lecithotroph | Plan | 2500 | 2.86 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Lobactis scutaria* | Lecithotroph | Plan | 105 | 2.5 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | *Lophelia pertusa* | Lecithotroph | Plan | 150 | 0.5 | Sessile | Larsson et al. 2014 |
| Cnidaria | Anthozoa | *Lophelia pertusa* | Lecithotroph | Plan | 150 | 0.65 | Sessile | Larsson et al. 2014 |
| Cnidaria | Anthozoa | *Madracis spp.* | Lecithotroph | Plan | N/A | 1.75 | Sessile | Vermeij et al. 2003 |
| Cnidaria | Anthozoa | *Montipora dilitata* | Lecithotroph | Plan | 275 | 1.5 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | *Montipora verrucosa* | Lecithotroph | Plan | 275 | 1.5 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | *Oculina varicosa* | Lecithotroph | Plan | 160 | 0.5 | Sessile | Brooke and Young 2003 |
| Cnidaria | Anthozoa | *Oculina varicosa* | Lecithotroph | Plan | 160 | 2 | Sessile | Brooke and Young 2003 |
| Cnidaria | Anthozoa | *Oculina varicosa* | Lecithotroph | Plan | 160 | 0.4 | Sessile | Brooke and Young 2005 |
| Cnidaria | Anthozoa | *Oculina varicosa* | Lecithotroph | Plan | 160 | 1.7 | Sessile | Brooke and Young 2005 |
| Cnidaria | Anthozoa | *Orbicella annularis* | Lecithotroph | Plan | N/A | 7 | Sessile | Pizarro and Thomason 2008 |
| Cnidaria | Anthozoa | *Orbicella faveolata* | Lecithotroph | Plan | 500 | 1.1 | Sessile | Szmant and Meadows 2006; Vermeij et al. 2006 |
| Cnidaria | Anthozoa | *Orbicella faveolata* | Lecithotroph | Plan | 500 | 8 | Sessile | Szmant and Meadows 2006; Vermeij et al. 2006; Pizarro and Thomason 2008 |
| Cnidaria | Anthozoa | *Oxypora lacera* | Lecithotroph | Plan | N/A | 1.5 | Sessile | Mundy and Babcock 1998 |
| Cnidaria | Anthozoa | *Platygyra acuta* | Lecithotroph | Plan | 500 | 2.5 | Sessile | Kwok and Ang 2013 |
| Cnidaria | Anthozoa | *Pocillopora damicornis* | Lecithotroph | Plan | 1200 | 2.5 | Sessile | Hodgson 1985; Baird et al. 2014 |
| Cnidaria | Anthozoa | *Pocillopora damicornis* | Lecithotroph | Plan | 1200 | 1.75 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Pocillopora damicornis* | Lecithotroph | Plan | 1200 | 1.78 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Pocillopora damicornis* | Lecithotroph | Plan | 1200 | 2.01 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Pocillopora damicornis* | Lecithotroph | Plan | 1200 | 2.79 | Sessile | Baird et al. 2014 |
| Cnidaria | Anthozoa | *Porites asteroides* | Lecithotroph | Plan | 760 | 4.3 | Sessile | Gleason et al. 2009; Baird et al. 2014 |
| Cnidaria | Anthozoa | *Porites asteroides* | Lecithotroph | Plan | 760 | 2.8 | Sessile | Gleason et al. 2009; Baird et al. 2014 |
| Cnidaria | Anthozoa | *Porites compressa* | Lecithotroph | Plan | 270 | 1.5 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | Semper's | Lecithotroph | Plan | 200 | 1 | Sessile | Hodgson 1985 |
| Cnidaria | Anthozoa | *Seriatopora hystrix* | Lecithotroph | Plan | 1500 | 3.33 | Sessile | Baird et al. 2014 |
| Cnidaria | Hydrozoa | *Laomedea flexuosa* | Lecithotroph | Plan | 800 | 0.4 | Sessile | Marfenin and Belorustseva 2008 |
| Cnidaria | Hydrozoa | *Thecaphora sp.* | Lecithotroph | Plan | N/A | 0.42 | Sessile | Chia et al. 1984 |
| Cnidaria | Schyphozoa | *Aurelia aurita* | Lecithotroph | Plan | ~200 | 2 | Motile | Conn 2000, Mayorova et al. 2012, Conley and Uye 2015 |
| Echinodermata | Asteroidea | *Asterias rubens* | Planktotroph | Blas | 140 | 0.04 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Asterias rubens* | Planktotroph | Bra | 350 | 0.48 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Asterias rubens* | Planktotroph | Gas | 200 | 0.38 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Crossaster papposus* | Lecithotroph | Blas | 600 | 0.15 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Crossaster papposus* | Lecithotroph | Bra | 1100 | 0.78 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Crossaster papposus* | Lecithotroph | Gas | 800 | 0.46 | Motile | Montgomery et al. 2017 |
| Echinodermata | Asteroidea | *Pteraster tesselatus* | Lecithotroph | Bilobed | 1000 | 1 | Motile | McEdward 2002; Kelman and Emlet 1999 |
| Echinodermata | Asteroidea | *Pteraster tesselatus* | Lecithotroph | Gas | 600 | 1.5 | Motile | McEdward 2002; Kelman and Emlet 1999 |
| Echinodermata | Echinoidea | *Arbacia punctulata* | Planktotroph | Plut4 | 130 | 0.75 | Motile | Wheeler et al. 2016 |
| Echinodermata | Echinoidea | *Arbacia punctulata* | Planktotroph | Plut6 | 176 | 0.95 | Motile | Wheeler et al. 2016 |
| Echinodermata | Echinoidea | *Dendraster excentricus* | Planktotroph | Gas | 115 | 0.97 | Motile | Rumrill and Chia 1985 |
| Echinodermata | Echinoidea | *Dendraster excentricus* | Planktotroph | Plut | 400 | 1 | Motile | Rumrill and Chia 1985; Pennington and Emlet 1986 |
| Echinodermata | Echinoidea | *Dendraster excentricus* | Planktotroph | Plut | 400 | 0.84 | Motile | Rumrill and Chia 1985 |
| Echinodermata | Echinoidea | *Dendraster excentricus* | Planktotroph | Prism | 230 | 1.03 | Motile | Rumrill and Chia 1985 |
| Echinodermata | Echinoidea | *Hemicentrotus pulcherrimus* | Planktotroph | Gas | 100 | 0.2 | Motile | Mogami et al. 1988 |
| Echinodermata | Echinoidea | *Hemicentrotus pulcherrimus* | Planktotroph | Plut | 250 | 0.14 | Motile | Mogami et al. 1988 |
| Echinodermata | Echinoidea | *Paracentrotus lividus* | Planktotroph | Blas | 120 | 0.27 | Motile | Martin et al. 2011; Morgana et al. 2016 |
| Echinodermata | Echinoidea | *Paracentrotus lividus* | Planktotroph | Plut | 500 | 0.23 | Motile | Martin et al. 2011; Morgana et al. 2016 |
| Echinodermata | Echinoidea | *Strongylocentrotus droebachiensis* | Planktotroph | Bra | 200 | 0.19 | Motile | Montgomery et al. 2017 |
| Echinodermata | Echinoidea | *Strongylocentrotus droebachiensis* | Planktotroph | Gas | 250 | 0.35 | Motile | Montgomery et al. 2017 |
| Echinodermata | Echinoidea | *Strongylocentrotus droebachiensis* | Planktotroph | Plut | 800 | 0.3 | Motile | Montgomery et al. 2017 |
| Echinodermata | Echinoidea | *Strongylocentrotus purpuratus* | Planktotroph | Plut4 | 200 | 0.2 | Motile | Chan et al. 2015a; Chan et al. 2015b |
| Echinodermata | Echinoidea | *Strongylocentrotus purpuratus* | Planktotroph | Plut6 | 450 | 0.26 | Motile | Chan et al. 2015a; Chan et al. 2015b |
| Echinodermata | Holothuroidea | *Cucumaria frondosa* | Lecithotroph | Blas | 600 | 0.18 | Motile | Montgomery et al. 2017 |
| Echinodermata | Holothuroidea | *Cucumaria frondosa* | Lecithotroph | Gas | 650 | 0.21 | Motile | Montgomery et al. 2017 |
| Echinodermata | Holothuroidea | *Cucumaria frondosa* | Lecithotroph | Pen | 700 | 0.15 | Motile | Montgomery et al. 2017 |
| Echinodermata | Holothuroidea | *Psolus chitonoides* | Lecithotroph | Dol | 500 | 1.4 | Motile | McEuen and Chia 1991 |
| Echinodermata | Ophiuroidea | *Amphiura filiformis* | Planktotroph | Plut1 | 200 | 0.25 | Motile | Chan et al. 2015b |
| Echinodermata | Ophiuroidea | *Amphiura filiformis* | Planktotroph | Plut2 | 275 | 0.2 | Motile | Chan et al. 2015b |
| Echinodermata | Ophiuroidea | *Ophioderma brevispina* | Lecithotroph | Vit | 400 | 0.3 | Motile | Webb 1989 |
| Echinodermata | Ophiuroidea | *Ophiopholis aculeata* | Planktotroph | Gas/Plut | N/A | 0.3 | Motile | Webb 1989 |
| Mollusca | Bivalvia | *Acila castrensis* | Lecithotroph | Pericalymma | 150 | 1.9 | Motile | Zardus and Morse 1998 |
| Mollusca | Bivalvia | *Arctica islandica* | Planktotroph | Vel | 160 | 0.75 | Motile | Mann and Wolf 1983; Chia et al. 1984 |
| Mollusca | Bivalvia | *Magallana gigas* | Planktotroph | N/A | N/A | 1.5 | Sedentary | Emlet 1990 |
| Mollusca | Bivalvia | *Mulinia lateralis* | Planktotroph | Pedi | N/A | 0.34 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Mulinia lateralis* | Planktotroph | Umbo | N/A | 0.49 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Mulinia lateralis* | Planktotroph | Vel | N/A | 0.25 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Mytilus edulis* | Planktotroph | Vel | 200 | 1.1 | Sedentary | Chia et al. 1984; Petersen 1984 |
| Mollusca | Bivalvia | *Pecten maximus* | Planktotroph | Vel | 175 | 1 | Sedentary | Beaumont and Budd 1983; Chia et al. 1984 |
| Mollusca | Bivalvia | *Rangia cuneata* | Planktotroph | Pedi | N/A | 0.45 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Rangia cuneata* | Planktotroph | Umbo | N/A | 0.49 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Rangia cuneata* | Planktotroph | Vel | N/A | 0.38 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Sinonovacula constricta* | Planktotroph | Veliconch | 180 | 0.41 | Motile | Wang and Xu 1997 |
| Mollusca | Bivalvia | *Sinonovacula constricta* | Planktotroph | Vel | 130 | 0.48 | Motile | Wang and Xu 1997 |
| Mollusca | Bivalvia | *Spisula solidissima* | Planktotroph | Pedi | N/A | 0.4 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Spisula solidissima* | Planktotroph | Umbo | N/A | 0.4 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Spisula solidissima* | Planktotroph | Vel | N/A | 0.26 | Motile | Campos and Mann 1988 |
| Mollusca | Bivalvia | *Teredo pedicellatus* | Planktotroph | Vel | 60 | 7.5 | Motile | Chia et al. 1984; Wurzinger-Mayer et al. 2014 |
| Mollusca | Gastropoda | *Alderia modesta* | Lecithotroph | Vel | 190 | 1.2 | Motile | Krug and Zimmer 2000 |
| Mollusca | Gastropoda | *Alderia modesta* | Lecithotroph | Vel | 190 | 1.14 | Motile | Krug and Zimmer 2004 |
| Mollusca | Gastropoda | *Alderia modesta* | Planktotroph | E.Vel | 126 | 0.94 | Motile | Krug and Zimmer 2004 |
| Mollusca | Gastropoda | *Alderia modesta* | Planktotroph | Vel | 190 | 1.14 | Motile | Krug and Zimmer 2004 |
| Mollusca | Gastropoda | *Bathynerita naticoidea* | Planktotroph | N/A | N/A | 1.6 | Motile | Gaest and Lea 2006 |
| Mollusca | Gastropoda | *Crepidula fornicata* | Planktotroph | Vel | N/A | 1.5 | Motile | Hilbish et al. 1999 |
| Mollusca | Gastropoda | *Crepipatella peruviana* | Planktotroph | Vel | N/A | 0.64 | Motile | Montory et al. 2014 |
| Mollusca | Gastropoda | *Dendronotus sp.* | Planktotroph | Vel | 200 | 0.6 | Motile | Chia et al. 1984; Sisson 2005 |
| Mollusca | Gastropoda | *Littorina littorea* | Planktotroph | Vel | 100 | 1.3 | Motile | Fish and Fish 1977; Chia et al. 1984 |
| Mollusca | Gastropoda | *Tenellia sibogae* | Lecithotroph | N/A | 150 | 2.4 | Motile | Hadfield and Koehl 2004 |
| Mollusca | Gastropoda | *Tenellia sibogae* | Lecithotroph | N/A | 150 | 2.41 | Motile | Miller and Hadfield 1986; Koehl et al. 2007 |
| Mollusca | Polyplacophora | *Mopalia ciliata* | Lecithotroph | Tro | 300 | 1.6 | Sedentary | Rebolledo 2014 |
| Mollusca | Polyplacophora | *Mopalia kennerleyi* | Lecithotroph | Tro | 310 | 1.17 | Sedentary | Rebolledo and Emlet 2015 |
| Mollusca | Polyplacophora | *Tonicella marmorea* | Planktotroph | Tro | N/A | 2.3 | Sedentary | Chia et al. 1984 |
| Porifera | Demospongiae | *Cacospongia mollior* | Lecithotroph | Par | 650 | 32 | Sessile | Uriz et al. 2008 |
| Porifera | Demospongiae | *Carteriospongia foliascens* | Lecithotroph | Par | 850 | 4.3 | Sessile | Wahab et al. 2014 |
| Porifera | Demospongiae | *Coscinoderma matthewsi* | Lecithotroph | Par | 572 | 4.5 | Sessile | Wahab et al. 2011 |
| Porifera | Demospongiae | *Halichondria magniconulosa* | Lecithotroph | Par | 470 | 1.7 | Sessile | Maldonado and Young 1996 |
| Porifera | Demospongiae | *Halichondria melanadocia* | Lecithotroph | Par | 200 | 2 | Sessile | Woollacott 1990; Maldonado and Young 1996 |
| Porifera | Demospongiae | *Haliclona caerulea* | Lecithotroph | Par | 630 | 3.6 | Sessile | Maldonado and Young 1996 |
| Porifera4 | Demospongiae | *Haliclona caerulea* | Lecithotroph | Par | 630 | 4 | Sessile | Maldonado and Young 1996; Maldonado et al. 1997 |
| Porifera4 | Demospongiae | *Haliclona permolis* | Lecithotroph | Par | 160 | 0.4 | Sessile | Elliot and Leys 2004 |
| Porifera | Demospongiae | *Haliclona tubifera* | Lecithotroph | Par | 425 | 2.7 | Sessile | Maldonado and Young 1996 |
| Porifera4 | Demospongiae | *Haliclona tubifera* | Lecithotroph | Par | 425 | 3.6 | Sessile | Woollacott 1990 |
| Porifera | Demospongiae | *Reneira sp.* | Lecithotroph | Par | 300 | 1.8 | Sessile | Leys and Degnan 2001 |
| Porifera | Demospongiae | *Rhopaloeides odorabile* | Lecithotroph | Par | 275 | 4 | Sessile | Whalan et al. 2008 |
| Porifera | Demospongiae | *Scopalina lophyropoda* | Lecithotroph | Par | 1000 | 15 | Sessile | Uriz et al. 2008 |
| Porifera4 | Calcarea | *Sycon sp.* | Lecithotroph | Par | 60 | 0.09 | Sessile | Elliot and Leys 2004 |
| Porifera | Demospongiae | *Tedania ignis* | Lecithotroph | Par | 760 | 0.9 | Sessile | Maldonado and Young 1996 |

N/A: Data not available.

1 Nutritional mode defined based on Poulin et al. (2001).

2 Prefixe L = late. Annelid life stages include: trochophore (tro), metatrochophore (meta) and numbered stages. Cnidarian life stages include: planula (pla). Echinoderm life stages include: blastula (blas), gastrula (gas), brachiolaria (bra), pluteus (plut) with arm number indicated, pentactula (pen) and vitellaria (vit). Mollusca life stages include: veliger (vel), trochophore (tro). Poriferan life stages include: parenchymella (par).

3 *Sessile* adults are incapable of movement, *sedentary* adults have the capacity to move but do so rarely and *motile* adults move readily and often.

4 New records added by Lanna and Riesgo (2019)

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