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| --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Depth** | **Microhabitat** | **Food**  | **Substrate** | **Oxygenation** | **References** |
| *Gavelinopsis praegeri* | Mid-bathyal (500-1000m) at Campbell Plateau (NZ), otherwise shallower dweller in the Indian Ocean and North Atlantic | Epifaunal, attached mobile | Sustained moderate flux, suspension feeder? | Preference for sandy substrates | Oxic | Frerichs (1970); Schnitker (1969); Murray (1979); Hayward et al. (2010); Murray (2006); Spezzaferri et al. (2014) |
| *Discorbinella bertheloti (*related to *D. araucana)* | Mid-shelf to upper bathyal (30-600m) | Epifaunal |   |   | Oxic | Hayward et al. (2010) and references within |
| *Rosalina* spp. | Inner shelf to upper bathyal (0-600 m) - lagoons | Epifaunal, clinging or attached | Positive response to short pulses of high amounts of organic matter | Hard substrates (including vegetation) | Oxic to suboxic | Jorissen (1987); Kaiho (1994, 1999); Heinz et al. (2001); Murray (2006); Fontanier et al. (2008); Hayward et al. (2010); Barras et al. (2014) |
| *Miliolinella subrotunda* | Inner shelf to bathyal  | Epifaunal | May feed above the sediment surface thanks to de detrital tube |  Plants or sediment | Oxic | Murray (2006); Hayward et al. (2010) |
| *Bolivina variabilis* | Inner shelf to uppermost abyssal (0-2500 m) | Infaunal | High carbon flux, detritivore | Muddy sediment | Suboxic - dysoxic | Loubere (1994); Fariduddin & Loubere (1997); Schmiedl et al. (1997); de Rijk et al. (2000); Hayward et al. (2010) |
| *Globocassidulina* spp. | Shelf to abyssal (>2000 m), dominant between 1500 and 4000 m depth around New Zealand | Shallow infaunal | Phytodetritus feeding | Muddy sediment | Oxic | Corliss (1979); Gooday (1994); Mackensen et al. (1995); Fariduddin & Loubere (1997); Suhr et al. (2003); Murray (2006); Hayward et al. (2010) |
| *Cibicides refulgens* | Inner shelf to lower abyssal | Epifaunal | Passive suspension feeder | Attached to firm substrates (high energy environments) | Oxic | Van der Zwaan (1982); Kaiho (1994, 1999); Schönfeld (2002); Fentimen et al. (2018) |
| *Cibicides lobatulus* | Inner shelf to mid bathyal depths around New Zealand  | Epifaunal | Passive suspension feeder | Hard substrates (high energy environments) | Oxic | Kaiho (1994, 1999); Schönfeld (2002); Murray (2006); Hayward et al. (2010) |
| *Cassidulina carinata* | 50-1600 m; associated to *G. praegeri* between 100 and 1000 m off the coast of New Zealand (Campbell Plateau) | Shallow infaunal, epifaunal | Moderate to high food flux, opportunistic | Sandy sediment | Suboxic | Altenbach et al. (1999); Hess et al. (2005); Jorissen et al. (2007); Murray (2006); Hayward et al. (2010) |
| *Nuttallides umbonifera* | Deep-sea; 3000 to 4200 m off the coast of New Zealand | Shallow infaunal | Low carbon flux  |   | Oxic | Fontanier et al. (2002); Gooday (2003); Murray (2006); Hayward et al. (2010) |
| *Glabratella australensis* | Inner shelf | Epifaunal | \_ | Hard substrates | \_ | Hayward et al. (1999); Murray (2006) |

**Supplementary Material 4**. Ecology of key benthic foraminifera found within core MD03-2611 (Murray Canyon Group, South Australian margin).