

The Cylindroleberididae

(from Wikipedia, 5/5/2009: <http://en.wikipedia.org/wiki/Ostracod>)

Cylindroleberididae is a [family](#) of [myodocopida](#) that shows remarkable morphological diversity. The defining feature is the possession of gills: 7-8 leaf-like pairs at the posterior of the body. Other features common to all species in the family include a "baleen-comb" on both the [maxilla](#) and the fifth limb, a sword-shaped coxal endite on the mandible, and the triaenid bristles on the basal endites of the [mandible](#).

Species of the Cylindroleberididae are found in marine areas, from shallow waters to depths of more than 4500 m. Most species are approximately 2 mm long. There are currently 219 described species. As with most small marine animals, it is likely that many more species await discovery. An interactive key to identify species is available at <http://researchdata.museum.vic.gov.au/marine/ostracods/InteractiveKey.htm>.

Key references:

1. Kornicker, Louis S. 1975. "Antarctic Ostracoda (Myodocopina)". *Smithsonian Contributions to Zoology* **163**: 1-720.
2. Kornicker, Louis S. 1981. "Revision, distribution, ecology, and ontogeny of the ostracode subfamily Cyclasteropinae (Myodocopina: Cylindroleberididae)". *Smithsonian Contributions to Zoology* **319**: 1-548.
3. Kornicker, Louis S. 1993. Antarctic and Subantarctic Myodocopina (Ostracoda). Koeltz Scientific Books, 185 pages (ISBN 3874293491, 9783874293495) [^](#)
4. Syme, A.E. and Poore, G.C.B (2006). "[A checklist of species of Cylindroleberididae \(Crustacea:Ostracoda\)](#)" (PDF). *Museum Victoria Science Reports* **9**: 1-20. <http://www.museum.vic.gov.au/sciencereports/docs/report9.pdf>.