

Supplementary Material

Table S1. GenBank sequences used for comparisons with Brazilian copepods sequences (present study) and for the construction of Maximum Likelihood Tree. Sequences of Brazilian copepods were posteriorly included in Genbank and appear in bold.

Citation: Cruz Lopes da Rosa, J.; Oliveira Dias, C.; Suárez-Morales, E.; Weber, L.I.; Fischer, L.G. Record of *Caromiobenella* (Copepoda, Monstrilloidea) in Brazil and discovery of the male of *C. brasiliensis*, morphological and molecular evidence. *Diversity* **2021**, *13*, 241. <https://doi.org/10.3390/d13060241>

Genus	Species	GenBank Accession	Locality / Country	Authority
<i>Maemonstrilla</i>	<i>Maemonstrilla</i> sp.	KY553231	South Korea	[3]
	<i>Maemonstrilla</i> sp.	KY553232	South Korea	[3]
	<i>M. simplex</i>	KR049003	South Korea	Baek& Hwang,(2015) unpubl.
<i>Caromiobenella</i>	<i>C. polluxea</i>	KY553211	South Korea	[3]
	<i>C. castorea</i>	KY553209	South Korea	[3]
	<i>C. hamatapex</i> *	KR048992	Korea	Baek & Hwang(2015) unpubl.
	<i>C. helgolandica</i> *	KT209379	North Sea: Skagerrak, Gullmarsfjord	[21]
	<i>C. helgolandica</i> *	KT209330	North Sea: Skagerrak, Gullmarsfjord	[21]
	<i>C.brasiliensis</i>	MZ223432 MZ223430 MZ223431 MZ223433 MZ223434 MZ223435	Southwestern Atlantic, Rio de Janeiro Coast, Brazil	Present Study
<i>Monstrilla</i>	<i>M. ilhoii</i>	KY553214	South Korea	[3]
<i>Cymbasoma</i>	<i>Cymbasoma</i> sp.	KR048989	Korea	Baek & Hwang(2015) unpubl.
	<i>C. reticulatum</i>	KR048990	Korea	Baek & Hwang(2015) unpubl.
<i>Monstrillopsis</i>	<i>M. longilobata</i>	KY553229	South Korea	[3]
	<i>M. longilobata</i>	KR049000	Korea	Baek & Hwang (2015) unpubl.
<i>Lepeophtheirus</i>	<i>L. salmonis</i>	KR049053	Korea	Baek & Hwang (2015) unpubl
<i>Tigriopus</i>	<i>T. japonicus</i>	KR049009	Korea	Baek & Hwang (2015) unpubl
<i>Calanus</i>	<i>C. helgolandicus</i>	AY604521	Adriatic Sea, Mediterranean Sea	[22]

* *Monstrilla hamatapex* and *M. helgolandica* are currently recognized as members of *Caromiobenella* but named as *Monstrilla* in GenBank.

[3] Jeon, D.; Lee, W.: Soh, H.Y. New genus and two new species of monstrilloid copepods (Copepoda: Monstrillidae): integrating morphological, molecular phylogenetic, and ecological evidence. *J. Crust. Biol.* 2018a, 38, 45–65.

[21] Raupach, M.J.; Barco, A.; Steinke, D.; Beermann, J.; Laakmann, S.; Mohrbeck, I.; Neumann, H.; Kihara, T.C.; Pointner, K.; Radulovici, A.; Segelken-Voigt, A.; Wesse, C.; Knebelsberger, T. The Application of DNA Barcodes for the Identification of Marine Crustaceans from the North Sea and Adjacent Regions. *PLoS ONE* 2015, 10, e0139421.

- [22] Unal, E.; Frost, B.W.; Armbrust, V.; Kideys, A.E. Phylogeography of *Calanus helgolandicus* and the Black Sea copepod *Calanus euxinus*, with notes on *Pseudocalanus elongatus* (Copepoda, Calanoida). *Deep Sea Res. Part II Top. Stud. Oceanogr.* 2006, 53, 1961–1975.