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DNA BARCODING OF CALANOID COPEPODS FROM THE GULF OF CALIFORNIA.

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ABSTRACT.

The diversity of pelagic copepods was studied in different locations around the Gulf of California, to confirm their morphological identification with CO1 gen analysis. This is the first study focused in copepods of the Gulf of California, and we report the results of 101 barcode sequences for 27 species of copepods. The separation of species based on morphological characters was very clear for most species and consistent with the formation of genetic groups obtained with the CO1 gene and its corresponding barcode without overlap between the sequences, thus becoming the initial records a database of genetic sequences for the area.

Key words: Gulf of California, Calanoid Copepods, Barcoding, Cytochrome Oxidase 1, marine zooplankton

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