

{rokbox title=|Buenia massutii specimen :: Image: Authors|
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al-2019-thumb.jpg|}images/stories/ieo/imagenespublicaciones/centro-oceanografico-baleares-ie
o-first-record-buenia-massutii-atlantic-ocean-based-on-molecular-and-morphological-evidences-
ordines-et-al-2019.jpg{/rokbox}

Francesc Ordines, Sergio Ramírez Amaro, Candelaria Burgos, Jorge Baro, Marcelo Kovačić, Ignacio Sobrino, 2019.

[First record of](#)

[Buenia massutii](#)

[Kovačić, Ordines and Schliewen, 2017 in the Atlantic Ocean based on molecular and morphological evidences.](#)

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<https://doi.org/10.1111/jai.13985>

Abstract: The recently described Mediterranean goby species, *Buenia massutii*, was found at the deep shelf in the Gulf of Cádiz (north-eastern Atlantic Ocean). The identification of the specimen was performed using morphological analysis and molecular techniques; including the sequencing of the mitochondrial genes Cytochrome c Oxidase I (DNA barcode) and Cytochrome b. The sequences for Cytochrome b is presented for the first time for

B. massutii

. The limited migration capability and behaviour of small benthic gobies, the short lifespan of *Buenia* species, and the oceanographic characteristics of the Strait of Gibraltar suggest the existence of an independent Atlantic population of

B. massutii

Keywords: Atlantic Ocean, *Buenia massutii*, DNA barcoding, first record, Gulf of Cádiz