



Supplementary Material

Identification of Nine Gastropod Species with Three New Records using Cytochrome Oxidase Sub-Unit 1 Marker

Qurat-ul-Ain Ijaz¹, Amna Sulaman¹, Dost Muhammad Baloch²,
Muhammad Shafi², Faiz Muhammad^{1*} and Shahnaz Rashid¹

¹Center of Excellence in Marine Biology, University of Karachi, Karachi-75270,
Pakistan

²Lasbella University of Agriculture, Water and Marine Sciences, Lasbella, Uthal.



Supplementary Fig. 1. The figure showing the morphology of nine gastropod species from six families found along rocky shore of Buleji area at Karachi Sindh coast. A. *Thalassa savignyi*, B. *Purpura persica*, C. *Turbosparverius*, D. *Lunella coronata*, E. *Cellana Karachiensis*, F. *Nerita albicilla*, G. *Nerita tristis*, H. *Ischnochiton australis*, I. *Astraliium tentoriiformis*.

* Corresponding author: balouch_23@yahoo.com
0030-9923/2024/0004-1989 \$ 9.00/0



Copyright 2024 by the authors. Licensee Zoological Society of Pakistan.

This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<https://creativecommons.org/licenses/by/4.0/>).

Supplementary Table I. Taxonomic details and brief morphological characteristic of all nine species.

S. No	Order	Family	Species	Characters	Accession number
1	Neogastropoda	Melongenidae	<i>Thalessa savignyi</i>	Covered with pointed nodules on entire body whorls. Shell colour is ochraceous brown.	OL373543
2		Muricidae	<i>Purpura persica</i>	Concave, Columella, large aperture, Shell colour appears to be chocolate brown	OL373542
3			<i>Turbo sparverius</i>	Whorls are rounded, angular around its upper part, convex and six in number, Shells are imperforated	OL373868
4	Trochida	Turbinidae	<i>Lunella coronata</i>	Operculum is granular, spiral, dome shaped, with eroded apex, greenish	OL372634
5			<i>Astralium tentoriiforme</i>	Called as tent shell, operculum is oval, shells appears to be elate conic in shape	OL355305
6	Cycloneritida	Neritidae	<i>Nerita tristis</i>	Granulated operculum, margin bears two strong central denticles, flat or very slight, concave septum	OL362211
7			<i>Nerita albicilla</i>	Granular operculum with pinkish grey interior, Black and white longitudinal bands	OL362012
8	Docoglossa	Nacellidae	<i>Cellana karachiensis</i>	Flattened, cap shaped shells, apex is present at center of the shell, brown colour of the shell	OL373916
9	Chitonida	Ischnochitonidae	<i>Ischnochiton australis</i>	Oval shaped with shell valves, surrounded by a fleshy girdle, Dark green in colour	OL373913