

Phylogeny and evolution of the Mollusca

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Description: -

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The phylogeny and taxonomy of austral monodontine topshells (Mollusca: Gastropoda: Trochidae), inferred from DNA sequences

We are grateful to Jesús Marco and Luis Cabellos who provided access to the supercomputer Altamira at the Institute of Physics of Cantabria IFCA-CSIC , a member of the Spanish Supercomputing Network, for performing phylogenetic analyses. Therefore, our results further support the validity of the proposed morphological synapomorphies for Octopodiformes, such as the modification into filaments or loss of the second pair of arms and the presence of an outer statocyst capsule, among others ;.

Mollusk

Competing interests: The authors have declared that no competing interests exist. A potential lumping decision will mask taxonomic diversity and can be very impractical for potential descriptions on any further new species. However present analysis shows them as two distinct species.

Revisiting the phylogeny of Cephalopoda using complete mitochondrial genomes

Central part of the radula with central and lateral teeth showing presence of both denticulated and non denticulated central teeth. Additional fine denticles may present irregularly on central teeth. Mollusca are the most diverse marine phylum.

Biology and Evolution of the Mollusca (2)

An association between a dendronotid nudibranch Mollusca, Opisthobranchia and a soft coral Octocorallia, Alcyonaria from the Red Sea. Maximum likelihood-based phylogeny inference was performed in RAxML 7.

Phylogeny and Evolution of the Mollusca / Edition 1 by Winston Ponder

Oral veil bilobed with numerous long processes. He has been actively involved with several societies, in particular, the Malacological Society of Australasia, and edited their journal, Molluscan Research, for 13 years until last Dec. He is a former Chair of the Department of Integrative Biology, Director of the UC Museum of Paleontology, and Chair of the UC Berkeley Natural History Museums.

Phylogeny and Evolution of the Mollusca by Winston Ponder, David R. R. Lindberg

Otherwise it is not possible clearly indicate for what reason the model species *Tritonia tetraquetra* was assigned to the genus *Tochuina* for a long time and why *Tochuina* has some intriguing external and internal similarities to the non-tritoniid species *Doridoxa* Bergh, 1899 and *Heterodoris* Verrill et Emerton, 1882 Figs , , and.

The long way to diversity

Body up to 200 mm. When the molecular data for M.

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