

Systematic revision of the genus *Everettia* Godwin-Austen, 1891 (Mollusca: Gastropoda: Dyakiidae) in Sabah, northern Borneo

Abstract

The species of the snail genus *Everettia* in the Malaysian state of Sabah are superficially similar and difficult to distinguish by their shells. This paper presents new data on the taxonomy and distribution of *Everettia* in Sabah that have accumulated since the revision by Godwin-Austen in 1891. By using morphological and molecular phylogenetic approaches, we reveal at least seventeen species of *Everettia* in Sabah, of which eleven are new to science, namely: *Everettia layanglayang* sp. nov., *Everettia lapidini* sp. nov., *Everettia paulbasintali* sp. nov., *Everettia occidentalis* sp. nov., *Everettia jasilini* sp. nov., *Everettia safriei* sp. nov., *Everettia interior* sp. nov., *Everettia jucundior* sp. nov., *Everettia planispira* sp. nov., *Everettia monticola* sp. nov., and *Everettia dominiki* sp. nov., and one new subspecies, namely, *Everettia corrugata williamsi* ssp. nov. Phylogenetic analysis of mitochondrial COI and 16S, and nuclear ITS-1 sequences demonstrates the monophyly of most of the morphologically well-defined species. Our results show that certain aspects of classical morphology-based taxonomy for *Everettia* species, especially with regard to the unique combination of shell surface sculptures, animal head colour, and mantle pigmentation, are solid. A dichotomous key to the Sabah species and subspecies of *Everettia* is provided. © 2009 The Linnean Society of London.