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Exploring the shell-based taxonomy of the Sri Lankan land snail *Corilla* H. and A. Adams, 1855 (Pulmonata: Corillidae) using mitochondrial DNA

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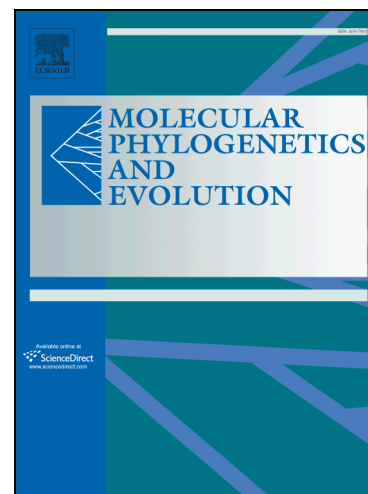
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**Exploring the shell-based taxonomy of the Sri Lankan land snail *Corilla* H. and A. Adams, 1855 (Pulmonata: Corillidae) using mitochondrial DNA**

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**Abstract**

The land-snail genus *Corilla* is endemic to Sri Lanka and India's Western Ghats. The ten extant Sri Lankan species belong to two distinct shell forms that are associated respectively with lowland and montane rainforest. We here present the first molecular phylogenetic analysis for *Corilla*. Our dataset includes nine nominal Sri Lankan species and is based on three mitochondrial genes (CO1, ND1 and 16S). Although the deeper nodes in the trees are not fully resolved, the results do suggest speciation in *Corilla* has involved

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