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Molecular and morphological species delimitation suggest a single species of the beetle-spider genus *Ballus* in Sri Lanka (Araneae: Salticidae)

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Ballus Koch, 1850 is a beetle-like jumping spider genus encountered in the central highland sub-mountain and mountain evergreen rain forests of Sri Lanka. Taxonomic literature documents three species of the genus for the island. However, neither the taxonomic validity nor the systematics of any of them have been previously tested. We used nuclear and mitochondrial DNA sequences (28S, H3, COI) as well as morphological characters to investigate the diversity of Ballus populations in Sri Lanka, including specimens from historical type localities of all three species. No Ballus specimens were found outside of the central highland. Results of molecular species delimitation suggested the presence of only a single species of Ballus in Sri Lanka, which was further supported by the lack of morphological diagnostic characters. We thus propose Ballus sellatus Simon, 1900 as a synonym of Ballus segmentatus Simon, 1900. Further, we discuss the implication of our results for conservation planning.

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