RAPD-Estimated Genetic Relationship of Psechrid Spiders (Araneae: *Psechrus*) in Taiwan

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ABSTRACT

RAPD analyses were performed to eight different populations of Taiwanese psechrid spiders to determine their genetic relationships. An overall of sixteen primers giving rise to 174 polymorphic bands were used to examine nucleotide similarities and an UPGMA tree was constructed from the data obtained. The results showed that the population of psechrid spiders in Taiwan can be grouped into several clusters that have a high level of genetic heterogeneity. Samples collected from northern and central Taiwan can be paired with those from southern and eastern sectors of the island that indicates genetic variation among the populations studied because of geological separation. More in-depth investigation is needed before a more clear picture on the genetic structure of psechrid spiders in Taiwan be finely understood.

Key words: RAPD, Psechrid spiders

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