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## 基于形态及分子性状对介形类高级分类体系的分析

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### Combined morphological and molecular analyses of higher taxa in Ostracoda

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**摘要** 运用最大简约法(MP)对介形纲中9个主要类群的27个形态性状及18S rDNA序列进行分析,并构建系统发育一致树,以期为尚存争议的现生介形类高级阶元分类提供新的证据.结果显示punciidaen自成一类,其分类地位与尾肢亚纲(Podocopa)和壮肢亚纲(Myodocopa)相当,可命名为“Punciocopa”,但仍需更多的证据加以证实;而吸海蛭类(halocypridian)由于基于形态与分子证据获得的拓扑结构不一致,其分类地位尚无法得以解决;在介形类3个亚纲中,尾肢亚纲应包括金星介(Cypridocopina)、浪花介(Cytherocopina)、巴氏介(Bairdiocopina)、达尔文介(Darwinulocopina)和泡沫介(Cytherellidae)5个类群,壮肢亚纲至少包括分肢介(Cladocopida)和壮肢介(Myodocopida)两个类群,而“Punciocopa”仅有Punciidae科.

**关键词:** 介形纲 18S rDNA序列 形态性状 分类

**Abstract:** 27 morphological characters and 18S rDNA sequences of the 9 main ostracod groups were analyzed by the maximum parsimony method to construct a consensus phylogenetic tree. The results indicate that punciidaen ostracods form a separate clade which may be placed under the subclass ‘Punciocopa’, with the same status as Podocopa and Myodocopa, but more evidence is still needed to confirm it. The classification status of halocypridian ostracods was undetermined because the topology was different on two phylogenetic trees. Among the three subclasses suggested in the study, Podocopa includes the suborders Cypridocopina, Cytherocopina, Bairdiocopina, Darwinulocopina and the family Cytherellidae; Myodocopa consists of at least two orders, Cladocopida and Myodocopida; and Punciocopa has only one family, Punciidae. This provides new evidence for solving the unstable higher classification of living ostracods.

**Key words:** Ostracoda 18S rDNA morphological characters classification

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