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山羊草属二倍体物种亲缘关系的RAPD分析 RAPD Analysis on the Relationship among the Diploid Species in Aegilops

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摘要 利用24个随机引物对山羊草属12个二倍体物种的亲缘关系进行了RAPD分析，对扩增出的304条带进行聚类分析。结果发现：（1）Sitopsis组内各物种的亲缘关系与前人的研究基本一致；（2）Ae.mutica与Comopyrum组的各物种亲缘关系较近；（3）Ae.uniaristata与同组的另两个物种亲缘关系较远，应将其从该组中独立出来；（4）Ae.caudata与Ae.umbellulata为亲缘关系较近的两个物种。

Abstract: RAPD analysis was performed by a set of 24 arbitrary primers to 12 diploid species in Aegilops. Results were observed based on t he examination of 304 RAPD fragments. The relationship in the Section Sitopsis i s consistent with the former investigation. Ae. mutica had a relatively clos e relationship with the species of the Section Comopyrum.Ae. uniaristata had a far relationship with the other two species of the Section Comopyrum,indicati ng that it should be excluded from this section. Ae. caudata and Ae. umbel lulata had a close relationship.

关键词 山羊草属 二倍体 亲缘关系 RAPD Keywords Aegilops diploid species relationship RAPD

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