

园艺—研究报告

黑龙江省野生黑木耳菌株遗传多样性分析

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摘要:

利用SRAP标记对黑龙江地区采集的30株野生黑木耳菌株进行遗传多样性分析, 利用8对扩增条带清晰、多态性丰富、稳定性较好的引物对30个供试菌株进行SRAP扩增, 共得到157条重复性良好的DNA条带, 其中多态性条带122条, 占77.71%; 使用UPGMA法构建进化树, 30个菌株被分为6组。结果表明, 黑龙江省野生黑木耳菌株间存在着丰富的遗传多样性。本研究为将来杂交育种亲本的选择提供很好的理论依据。

关键词: 聚类分析

Genetic Diversity Analysis of Wild Auricularia auricul -Jude from Heilongjiang Province

Abstract:

30 wild Auricularia auricula strains were collected from Heilongjiang Province and analyzed by using sequence-related amplified polymorphism (SRAP) markers. 8 SRAP primer combinations amplified 157 fragments of which 122 (77.71%) were polymorphic. Phylogenetic tree was constructed by using the Unweighted Pair-group Method with Arithmetic Averages (UPGMA) method. 30 strains distributed into six groups. The clustering analysis showed that there was a high level of genetic diversity among A. Auricula. This study will provide good reference for parent selection in further cross-breeding programs.

Keywords: cluster analysis

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