



棕色棉和绿色棉遗传多样性的比较研究Genetic Diversity Analysis of Brown Co

摘要 选用240条随机引物，从中筛选出6条对棕色棉新彩1、新彩2和绿色棉新彩3、新彩4及47个系多态性分析，并在棕色棉、绿色棉和棕绿彩棉3个水平进行聚类 and 相似性分析。结果表明，棕色棉之间的遗传距离和相似性差异不显著，它反映了棕、绿彩棉之间的遗传基础比较狭窄，遗传多样性水平与种质资源、相同的育种目标及相近的育种方法造成此结果。

Abstract:Genetic diversity analysis of brown cotton Xincal 1 and Xincal 2 and green cotton Xincal 3 and Xincal 4 was conducted by the random amplified polymorphism DNA (RAPD) techniques,using 6 random primers of these cottons showed that the differences in genetic relationship and similarity among the brown cottons and green cottons are not remarkable.The results also reflect that the genetic bases of the brown and green cottons are not remarkable. These results are probably due to the same basic germplasms,the same breeding aims and methods.

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