



中文标题 检索 跨刊检索

牛蒡ITS序列与药材质量的相关性研究

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中文摘要: 目的: 研究牛蒡ITS序列与牛蒡子药材质量相关性。 方法: 采集全国26个不同产地的牛蒡子药材, 采用PCR扩增后测定ITS序列, HPLC法对牛蒡子药材中牛蒡苷含量进行测定, 应用ClustalX(1.81), Mage 4.0, SPSS 13.0等统计软件进行遗传多样性、基因分型、相关性等分析。 结果: 测得了26份牛蒡的ITS序列全长, 在GenBank中注册, 获得登记号, 测定牛蒡子药材中牛蒡苷含量、千粒重, 统计分析牛蒡的基因分型与药材质量具有相关性。 结论: 为揭示牛蒡子产地药材的分子形成机制奠定了基础。

中文关键词: 牛蒡 ITS序列 药材质量

Study on correlation between ITS sequence of *Arctium lappa* and quality of Fructus Arctii

Abstract: Objective: To study the correlation between ITS sequence of *Arctium lappa* and Fructus Arctii quality of different origin. Method: The samples of Fructus arctii materials were collected from 26 different producing areas. Their ITS sequence were determined after polymerase chain reaction (PCR) and quality were evaluated through the determination of arctiin content by HPLC. Genetic diversity, genotype and correlation were analyzed by ClustalX(1.81), Mage 4.0, SPSS 13.0 statistical software. Result: ITS sequence of *A.lappa* was obtained from 26 samples, and was registered in the GenBank. Corresponding arctiin content of Fructus arctii and 1 000-grain weight were determined. *A. lappa* genotype correlated with Fructus arctii quality by statistical analysis. Conclusion: The research provided a foundation for revealing the molecular mechanism of Fructus arctii geoherts.

keywords: *Arctium lappa* ITS sequence Fructus Arctii quality

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