



## 基于NCBI核酸数据库的紫荆皮混淆品种华中五味子的DNA鉴定研究

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中文摘要: 目的: 探讨利用NCBI核酸数据库中ITS序列鉴定紫荆皮商品药材, 为保证紫荆皮药材质量提供依据。方法: 从紫荆皮药材中提取DNA, 以ITS序列通用引物进行PCR扩增, 扩增产物经纯化后直接双向测序, 利用ITS序列相似度和系统发育树进行鉴定。结果: 获得了紫荆皮商品药材的ITS序列信息。结论: 经DNA鉴定, 发现市场上流通的紫荆皮主流商品来源于木兰科五味子属植物华中五味子, 药用部位为茎皮。

中文关键词: 紫荆皮 NCBI ITS 序列 相似度 系统发育树

### DNA identification of Zijingpi's adulterant species *Schisandra sphenanthera* based on NCBI nucleotide database analysis

**Abstract: Objective:** To provide basis for quality control of Zijingpi, DNA identification was used based on NCBI nucleotide database analysis. **Method:** Firstly, total DNA of Zijingpi was extracted. Secondly, the ITS sequence was amplified by PCR with universal primer of ITS and PCR products was directly sequenced after purification. Finally, ITS sequence similarity and phylogenetic tree were used for identification. **Result:** The ITS sequence information of the mainstream commercial drugs of Zijingpi was obtained. **Conclusion:** It is firstly reported that the mainstream commercial drugs of Zijingpi was the bark of *Schisandra sphenanthera*.

**keywords:** Zijingpi NCBI ITS sequence similarity phylogenetic tree

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