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2.4 确 可靠 DNA 数据

DNA 数据 可靠 是 DNA 数据 关 。目 数据 ,如 GenBank,EMBL 等,由 者进 立提,缺 相互之间 验证, 据质 差不 , DNA 序 据 系统 表 不足。

为保证 DNA 数据 可靠 , 先需要 上保证 可靠 ,然 采 严 序 机制确保获得序 样品 一 ,最

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55 Hajibabaei M Janzen D H Burns J M et al. DNA barcodes

Principles for molecular identification of traditional Chinese materia medica using DNA barcoding

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[**Abstract**] Since the research of molecular identification of Chinese Materia Medica (CMM) using DNA barcode is rapidly developing and popularizing, the principle of this method is approved to be listed in the Supplement of the Pharmacopoeia of the People's Republic of China. Based on the study on comprehensive samples, the DNA barcoding systems have been established to identify CMM, i. e. ITS2 as a core barcode and *psbA-trnH* as a complementary locus for identification of planta medica, and COI as a core barcode and ITS2 as a complementary locus for identification of animal medica. This article introduced the principle of molecular identification of CMM using DNA barcoding and its drafting instructions. Furthermore, its application perspective was discussed.

[**ey words**] Chinese pharmacopoeia; traditional Chinese materia medica; DNA barcoding; molecular identification; principle

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