云南大学学报(自然科学版)
JOURNAL OF YUNNAN UNIVERSITY(NATURAL SCIENCES)
中文核心期刊
中国科技核心期刊

云南大学学报(自然科学版) » 2006, Vol. 28 » Issue (1): 83-87 DOI:

西藏冬虫夏草无性型5.8S rDNA, ITS间区系统发育分析

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Phylogenetic analysis based on 5.8S rDNA and ITS spacer of anamorph of *Cordyceps sinensis* from Tibet

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全文: PDF (406 KB) HTML (KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 采用相对较低的培养温度(5~12℃),从西藏那曲当年产风干冬虫夏草[*Cordyceps sinensis*(Berk.)Sacc.]分离得到菌株C21,综合其菌丝形态学特征及5.8S rDNA和ITS间区的系统发育分析结果,证实菌株C21为冬虫夏草菌的无性型,即中国被毛孢(*Hirsutella sinensis*).

关键词: 冬虫夏草 形态特征 5.8SrDNA ITS间区 系统发育分析

Abstract: Strain C21 was isolated from well-preserved air-drying fruit body of *Cordyceps sinensis*,from Nagqu,Tibet.Morphological characteristics of strain C21 were found closely similar with *Hirsutella sinensis*,and 5.8S rDNA & ITS of C21 shared over 99.6% similarity with those of C.sinensis CYQ011,C.sinensis LiT9704SI and C.sinensis LiT9807Sc.Based on these results,stain C21 was identified as anamorph of *Cordyceps sinensis*,namely *Hirsutella sinensis*.

Key words: *Cordyceps sinensis* morphology 5.8S rDNA ITSs phylogenetic analysis

收稿日期: 2005-10-12;

基金资助:国家自然科学基金项目资助(30260004;30460004)

引用本文:

赵泽孝,崔晓龙,丛严广. 西藏冬虫夏草无性型5.8S rDNA,ITS间区系统发育分析[J]. 云南大学学报(自然科学版), 2006, 28(1): 83-87.

ZHAO Ze-xiao,CUI Xiao-long,CONG Yan-guang. Phylogenetic analysis based on 5.8S rDNA and ITS spacer of anamorph of *Cordyceps sinensis* from Tibet[J]. , 2006, 28(1): 83-87.

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