牦牛肝脏cDNA文库的构建 The Construction of Yak Liver cDNA Library

梁东春1, 张俊2, 谢娟1, 左爱军1, 张镜宇1 LIANG Dong-Chun1, ZHANG Jun2, XIE Juan1, ZUO Ai-Jun1, ZHANG Jing-Yu1

1.天津医科大学内分泌研究所，天津 300070； 2.兰州医学院第一附属医院内分泌科，兰州 730000 1.Institute of Endocrinology,Tianjin Medical University,Tianjin 300070,China; 2.Department of Endocrinology,The First Hospital of Lanzhou Medical College,Lanzhou 730000,China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 为进一步筛选、克隆和表达牦牛相关基因构建了牦牛肝脏的cDNA文库, 从牦牛肝脏中提取、分离mRNA，逆转录合成cDNA后，以pSPORT1质粒为载体构建cDNA文库。经鉴定，牦牛肝脏cDNA 文库的库容量为$1×10^6$转化子/μg cDNA，以菌株平板法测定，重组率为93%。所构建的cDNA 文库容量符合建库要求，能够用于目的基因筛选。 Abstract:Yak is a very useful animal. The cDNA library of yak liver was constructed,which made a preparation for further cloning and expressing of wanted genes. mRNA from yak liver was extracted and purified,and cDNA was obtained by reverse transcription,and then cDNA library was constructed using plasmid pSPORT1 as the vector. The volume of the library was $1×10^6$ transformants/μg cDNA and the rate of recombination was 93%. The results indicated that the cDNA library had enough volume for selecting wanted genes and made the basic of studying yak′s genetic background.

关键词 牦牛 肝脏 cDNA文库 Key words yak liver cDNA library

分类号

扩展功能

本文信息
- Supporting info
- PDF(417KB)
- [HTML全文](0KB)
- 参考文献

服务与反馈
- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 复制索引
- Email Alert
- 文章反馈
- 浏览反馈信息

相关信息
- 本刊中 包含"牦牛"的 相关文章

本文作者相关文章
- 梁东春
- 张俊
- 谢娟
- 左爱军
- 张镜宇LIANG Dong-Chun
- ZHANG Jun
- XIE Juan
- ZUO Ai-Jun
- ZHANG Jing-Yu

Abstract

Key words

DOI:

通讯作者