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

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、A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/μl,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 of wanted genes.mRNA from yak liver was extracted and purified,and cDNA was obtained by reverse transcription-polymerase chain reaction (RT-PCR).A library was constructed using plasmid pSPORT1 as the vector.The volume of the library was 1×10^6 transformants/μl of recombination was 93%.The results indicated that the cDNA library had enough volume for selecting wanted genes of studying yak's genetic background.

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