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论著

猪囊尾蚴抗原-B基因cDNA编码区的克隆

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摘要

[目的]扩增和克隆猪带绦虫囊尾蚴 Ag B基因的 c DNA编码区。 [方法]提取猪囊尾蚴总 RNA中 ,利用 RT- PCR技术扩增出 Ag B基因 c DNA编码区 ,然后将其克隆到载体 p UC118中进行序列分析。[结果]PCR反应产物为单一条带 ,大小为 2 .6 kb。测序结果与澳大利亚株猪囊尾蚴 Ag B序列有 99.8%的同源性 ,二者的氨基酸序列有 99.3%的同源性。 [结论]成功地克隆了猪囊尾蚴 Ag B基因 c DNA编码区。

关键词 猪带绦虫囊尾蚴 AgB基因cDNA编码区 副肌球蛋白 多聚酶链反应 基因克隆

分类号

CLONING OF CYSTICERCUS CELLULOSAE AgB cDNA CODING REGION

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Abstract

Objective] To amplify and clone Cysticercus cellulosae AgB cDNA coding region. [Methods] The AgB cDNA was amplified by RT-PCR technique from the total RNA of Cysticercus cellulosae. It was cloned into the vector pUC118 and sequenced. [Results] The PCR amplified product was a single band of 2.6 kb in size. The sequences of AgB cDNA coding region has 99.8% homology with that of Australian Cysticercus cellulosae, and their amino acid sequences have 99.3% homology. [Conclusion] Cysticercus cellulosae AgB cDNA coding region has been cloned successfully.\;

Key words Cysticercus cellulosae gene AgB cDNA coding region paramyosin PCR gene clone.

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