

食品科学

加入自我延伸过程的融合PCR程序

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摘要:

本文探讨了加入自我延伸过程的融合PCR程序与传统PCR扩增条带效果,自我延伸程序(94\*1, 52\*1, 72\*)扩增2次,分别用不同的延伸时间:1min、2min、3min、5min,发现用2min、3min、5min延伸时间扩增出的融合基因条带比传统PCR显著亮一些,而用延伸时间为1min时,两种程序扩增出融合基因条带的亮度相近,说明自我延伸程序中的延伸时间是影响融合基因扩增量的关键因素。加入自我延伸过程的融合PCR扩增程序为:94℃\*5min,(94℃\*1min,52℃\*1min,72℃\*5min)\*2次循环,(94℃\*1min,52℃\*1min,72℃\*1min)\*30次,4℃ store。

关键词: 自我延伸过程 融合PCR 延伸时间 融合基因

The Fusion-PCR added Self-Extension Process

Abstract:

In this paper, we discussed the fusion-PCR by adding self-extension process. The self-extension procedure was cycled for 2 times. When the extension length of self-extension procedure was 2, 3, or 5 minutes, the fusion-gene band amplified by fusion-PCR was significantly brighter than that of traditional PCR. However, when the extension length of the self-extension was 1 minutes, the genes amplified were similar between these two PCR processes. This indicates that the extension length of self-extension procedure is an important factor influencing gene amplified in Fusion-PCR.

Keywords: Extension Fusion-PCR length Gene

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