

水稻PCR扩增模板的快速制备 The Simple Gain of Templates of Rice Genomes DNA for PCR

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摘要 用碱处理水稻嫩叶, 取碱处理水稻叶片浸出液直接用作PCR扩增的模板, 扩增结果稳定、准确, 与常规提取的DNA扩增效果相比没有显著差异。用此方法制备的模板室温下2周之内、4℃下3周之内、-20℃下4个月以上扩增结果不变。此方法所需试剂均为常规试剂, 具有需要材料少、成本低、简便、快捷等优点, 尤其适合材料比较宝贵的转基因水稻的预筛选和大样本量的PCR检测, 为分子标记技术的实际应用创造了条件。

Abstract: The solution of alkali-treated fresh rice leaves was used directly as the templates of PCR. The amplified results were stable, reliable, and had no difference compared with that amplified with rice total DNA extracted by common method. The stable results can still be obtained based on the templates kept at 25℃ for tow weeks, at 4℃ for three weeks, at -20℃ for over four months. With this technique, less material and only common reagent are required, which is especially adapted to the screening of the precious transgenic rice in advance and large-scale PCR tests.

关键词 [水稻](#) [基因组DNA](#) [PCR模板](#) [方法](#) **Key words** [rice](#) [genomic DNA](#) [PCR templates](#) [methodology](#)

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