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研究论文

甜瓜种子醇溶蛋白的反相HPLC分析鉴定

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摘要 针对目前国内甜瓜的主栽品种K96-8×6-1、T-5Xred1-28和94×8-1的自交系及杂交种种子醇溶贮藏蛋白进行反相HPLC法分离。结果表明其色谱图明显不同，可以用于该品种（系）的鉴定，认为RP-HPLC技术是一种快速、准确、可信的甜瓜品种鉴定手段。

关键词 甜瓜 品种鉴定 反相高效液相色谱

分类号 S652，0657.7

Melon (Cucumis melo L.) Cultivar Identification by Reversed-phase High Performance Liquid Chromatography of Seed Proteins

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Abstract Reversed-Phase High-Performance Liquid Chromatography (RP-HPLC) of cereal grain proteins has been receiving much attention in the agricultural literature published in recent years. A study of melon (Cucumis melo L.) hybrid parents S ♂ and S ♀ and F1 hybrids of K96-8×6-1, T-5Xred1-28 and 94×8-1 was undertaken to determine if RP-HPLC could be adapted to the cultivar identification of melons. Chromatograms of the three inbred lines and F1 hybrids of cultivars were shown to be different and were used to characterize those cultivars. RP-HPLC was shown to be a quick, replicable and reliable method of melon cultivar identification for general screening of seed lots.

Key words Melon(Cucumis melo L.) Cultivar Identification Reversed-Phase High Performance Liquid Chromatography

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