

苹果遗传转化的研究进展 Progress on Agrobacterium-mediated Genetic Transformation of Apple

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摘要 苹果的遗传转化技术通过分子手段改良苹果,有助于缩短其育种周期.最近十年,在该领域的研究取得很大进展,涉及到一些重要的苹果基因型及有用的外源基因.迄今,苹果的遗传转化主要采用农杆菌介导法,侵染与转化材料的再生是影响其转化效率的关键过程,了解其影响因素,寻找有利因素以提高转化效率是目前苹果遗传转化研究的重点。

Abstract: Techniques of apple genetic transformation can improve apple trees and shorten the breeding cycle by molecular methods. In the last years, great progress has been made in this field, which involves a number of important apple genotypes developed. So far, apple genetic transformation mainly adopts Agrobacterium-mediated technique, involving infection and transgenic tissue regeneration, which are important steps to affect the transformation efficiency. The initial work to the date is to know and to search for the factors which can increase the efficiency.

关键词 [苹果](#) [农杆菌介导](#) [遗传转化](#) **Key words** [Apple](#) [Agrobacterium-mediated](#) [Genetic transformation](#)

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