

Welcome Niklaus Ammann

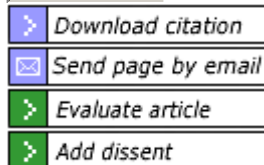


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EndNote



Reliable detection and identification of genetically modified maize, soybean, and canola by multiplex PCR analysis.

James D, Schmidt AM, Wall E, Green M, Masri S

J Agric Food Chem 2003 Sep 24 **51**(20):5829-34 [[abstract on PubMed](#)][[citations on Google Scholar](#)] [[related articles](#)] [[full text](#)] [[order article](#)]

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Niklaus Ammann

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PLANT BIOLOGY



Comments

Multiplex PCR procedures were developed for simultaneously detecting multiple target sequences in genetically modified (GM) soybean (Roundup Ready), maize (event 176, Bt11, Mon810, T14/25), and canola (GT73, HCN92/28, MS8/RF3, Oxy 235). Internal control targets (invertase gene in corn, lectin and beta-actin genes in soybean, and cruciferin gene in canola) were included as appropriate to assess the efficiency of all reactions, thereby eliminating any false negatives. The systems described herein represent simple, accurate, and sensitive GMO detection methods in which only one reaction is necessary to detect multiple GM target sequences that can be reliably used for the identification of specific lines of GMOs.

Evaluated 23 Sep 2003

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How to cite the Faculty of 1000 Biology evaluation(s) for this paper

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Faculty of 1000 Biology: evaluations for James D et al *J Agric Food Chem* 2003 Sep 24 51 (20) : 5829-34<http://www.f1000biology.com/article/id/1015449/evaluation>

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