

PCR-SSCP분석법에 의한 뽕나무 오갈병 파이토플라스마의 유전변이 검출기법

한상섭, 차병진¹, 성규병²

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Detect Method of Genetic Variation of Mulberry Dwarf Phytoplasma by PCR-SSCP Analysis

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Single-strand conformation polymorphism (SSCP) analysis of MD and JWB phytoplasma isolates which amplified PCR products using the R16Fn2/R phytoplasma universal primer pair were compared for variations of their nucleotide sequence. The MD and JWB phytoplasmas were clearly distinct each of the band patterns from about 1.2kb PCR products. To clearly distinct of close SSCP band patterns, the MD and JWB phytoplasma PCR products were mixed and performed to detect their polymorphism. The SSCP band patterns show all of bands of MD and JWB on single lines and easily distinct their each band patterns. The PCR-SSCP analysis was possible to detect 1kb nucleotide sequence and near close band patterns were easily distinct by mixed of two samples.