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Production and Activity of Xylem Sap Lectin in Cucumber

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Abbreviations

AGP: arabinogalactan protein

bp: base pairs

Con A: concanavalin A

CRGRP: cucumber root-specific glycine-rich protein

cDNA: complementary DNA

DNA: deoxyribonucleic acid

Fuc: fucose

GA: gibberellic acid

Gal: galactose

GlcNAc: *N*-acetylglucosamine

GUS: β -glucuronidase

IAA: indole acetic acid

Man: mannose

PBS: phosphate-buffered saline

PCR: polymerase chain reaction

PIPES: 1,4-piperazinediethanesulfonic acid

RCA: *Ricinus communis* agglutinin

rDNA: ribosomal DNA

RNA: ribonucleic acid

rRNA: ribosomal RNA

SDS: Sodium dodecyl sulfate

SDS-PAGE: Sodium dodecyl sulfate-polyacrylamide gel electrophoresis

TAIL-PCR: thermal asymmetric interlaced polymerase chain reaction

Tris: tris (hydroxymethyl) aminomethane

Xyl: xylose.

XSP: xylem sap protein

XSP30: xylem sap protein 30 kDa