

Title (en)

METHODS AND MATERIALS FOR PRODUCING PATHOGEN-RESISTANT PLANTS

Title (de)

VERFAHREN UND MATERIALIEN ZUR HERSTELLUNG PATHOGEN-RESISTENTER PFLANZEN

Title (fr)

PROCEDES ET MATERIAUX POUR LA PRODUCTION DE PLANTES RESISTANT A DES AGENTS PATHOGENES

Publication

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Application

EP 96927402 A 19960812

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Abstract (en)

[origin: WO9707217A1] This invention comprises a mutant plant virus gene which confers resistance on tobacco and tomato plants against tobacco mosaic tobamovirus and tomato mottle geminivirus infections and infection by other related geminiviruses. A gene was initially isolated from the known BC1 gene, between nucleotides 1278 and 2311 of the B component of tomato mottle geminivirus. Upon subcloning of this DNA fragment into an appropriate expression vector and transformation of the gene into tobacco plants, a truncated gene product was produced which confers resistance against viral infection to the recombinant plant in which it is expressed.

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