

Title (en)

USE OF ARMADILLO REPEAT (ARM1) POLYNUCLEOTIDES FOR OBTAINING PATHOGEN RESISTANCE IN PLANTS

Title (de)

VERWENDUNG VON ARMADILLO-REPEAT (ARM1)-POLYNUKLEOTIDEN ZUM ERREICHEN EINER PATHOGENRESISTENZ IN PFLANZEN

Title (fr)

UTILISATION DE POLYNUCLEOTIDES A REPETITION ARMADILLO (ARM1) POUR OBTENIR UNE RESISTANCE ELEVEES AUX AGENTS PATHOGENES CHEZ DES VEGETAUX

Publication

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Application

**EP 06819167 A 20061027**

Priority

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Abstract (en)

[origin: WO2007054441A2] The invention relates to a method for creating or increasing pathogen resistance in plants by reducing the expression of at least one armadillo repeat polypeptide or a functional equivalent thereof. The invention also relates to novel nucleic acid sequences coding for a Hordeum vulgare armadillo repeat (HvARM) polynucleotide, homologous sequences (ARM1) thereof, the use thereof in processes to obtain pathogen resistance in plants, as well as nucleic acid structures, expression cassettes, and vectors which contain said sequences and are suited to render plants resistant to fungi. The invention further relates to transgenic organisms, especially plants, which are transformed by means of said expression cassettes or vectors, as well as cultures, parts, or transgenic reproductive material derived therefrom.

IPC 8 full level

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