

Title (en)

ERS-GENES, METHOD OF SCREENING FOR CHEMICAL COMPOUNDS CAPABLE OF INDUCING ERS IN PLANTS

Title (de)

ERS GENE, METHODE ZUM SCREENING VON CHEMISCHEN VERBINDUNGEN, WELCHE IN DER LAGE SIND, ERS IN PFLANZEN HERVORZURUFEN

Title (fr)

GENES ERS, PROCEDE DE CRIBLAGE DE COMPOSES CHIMIQUES CAPABLES D'INDUIRE UN ETAT DE RESISTANCE ACCRU DANS LES PLANTES

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Application

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Abstract (en)

[origin: WO0071748A2] This patent application discloses new genes the expression of which is inducible by SAR inducing compounds, and in a particular embodiment by both SAR inducing compounds and ISR inducing compounds. These genes enable the establishment of novel methods for testing chemical compounds and natural products for their capability to induce an enhanced resistance status (ERS), and particularly SAR or ISR, in plants and for screening a multiplicity of chemical compounds, for compounds or compositions having the capability to induce ERS in plants. This disclosure also enables the use of recombinant DNA molecules comprising these DNA molecules in transgenic plants to confer enhanced tolerance to disease and pest organisms.

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