

Title (en)  
METHOD FOR IDENTIFYING HERBICIDALLY ACTIVE SUBSTANCES

Title (de)  
VERFAHREN ZUR IDENTIFIZIERUNG VON SUBSTANZEN MIT HERBIZIDER WIRKUNG

Title (fr)  
PROCEDE POUR L'IDENTIFICATION DE SUBSTANCES A ACTION HERBICIDE

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Abstract (en)  
[origin: WO02066660A2] The invention relates to genes and methods for isolating genes coding for gene products, the lack of said gene products leading to significantly delayed growth and/or completely stunted growth at the embryonic stage of *Arabidopsis thaliana*. The invention relates to the use of said genes and the gene products coded thereby for discovering novel herbicides. The invention also relates to the use of the genes and gene products identified here for producing plants which are resistant to herbicides. The invention further relates to a method for identifying herbicidally active substances, substances identified according to said method and the use of said substances as herbicides. Furthermore, the invention relates to nucleic acid constructs, vectors, organisms containing said nucleic acid constructs and/or vectors, and especially transgenic plants containing said nucleic acid constructs and/or vectors. Disclosed is also a method for identifying antagonists and the use thereof, antibodies and antisense RNA molecules, and agents containing a herbicide substance which is isolated according to the inventive methods. Finally, the invention relates to compositions containing the antibodies, the antisense nucleic acids and/or the antagonists.

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