

Title (en)
DEHYDROQUINATE DEHYDRASE/SHIKIMATE DEHYDROGENASE AS A HERBICIDE TARGET

Title (de)
DEHYDROQUINAT DEHYDRATASE/SHIKIMAT DEHYDROGENASE ALS HERBIZIDES TARGET

Title (fr)
DESHYDROQUINATE DESHYDRATASE/SHIKIMATE DESHYDROGENASE UTILISEE COMME CIBLE D'HERBICIDE

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Application
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Abstract (en)
[origin: WO0204619A2] The invention relates to the use of a nucleic acid sequence coding for a polypeptide exhibiting dehydroquinase/dehydroquinase activity for producing a test system for discovering the inhibitors of dehydroquinase/dehydroquinase. For the first time, it has been shown, with the aid of the antisense technology, that dehydroquinase/dehydroquinase constitutes a herbicide target. The invention further relates to a method for producing transgenic plants containing a nucleic acid sequence coding for a polypeptide containing dehydroquinase/dehydroquinase (E.C. 4.2.1.10/E.C. 1.1.1.25) activity, characterised by an increased biomass production or/and an increased content of aromatized amino acids compared to a non-transgenic plant.

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