Malate dehydrogenase as a target for herbicides

Abstract

The present invention relates to malate dehydrogenase, which, when absent, brings about reduced growth and chlorotic leaves and is encoded by the nucleic acid sequence SEQ ID NO:2 or by a functional equivalent of this nucleic acid sequence, as target for herbicides. For this purpose, novel nucleic acid sequences encompassing SEQ ID NO:2 and functional equivalents of SEQ ID NO:2 are provided. Moreover, the present invention relates to the use of the abovementioned malate dehydrogenase and its functional equivalents in a method for identifying compounds with herbicidal or growth-regulatory activity, and to the use of the compounds identified by this method as herbicides or growth regulators.