Title (en)

TOMATOES HAVING REDUCED DEOXYHYPUSINE SYNTHASE ACTIVITY CAUSED BY NON-TRANSGENIC ALTERATIONS IN A DEOXYHYPUSINE SYNTHASE GENE

Title (de)

TOMATEN MIT REDUZIERTER DESOXYHYPUSINSYNTHASE-AKTIVITÄT AUFGRUND NICHT TRANSGENER ÄNDERUNGEN IN EINEM DESOXYHYPUSINSYNTHASE-GEN

Title (fr)

TOMATES A ACTIVITE DESOXYHYPUSINE SYNTHASE REDUITE PAR SUITE D'ALTERATIONS NON TRANSGENIQUES DU GENE DE LA DESOXYHYPUSINE SYNTHASE

Publication

EP 1689862 A2 20060816 (EN)

Application

EP 04811124 A 20041117

Priority

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- US 52079203 P 20031117
- US 56392004 P 20040421

Abstract (en)

[origin: WO2005048692A2] A series of independent non-transgenic mutations found in at least one deoxyhypusine synthase gene of tomato; tomato plants having these mutations in one or more of their deoxyhypusine synthase genes; and a method of creating and identifying similar and/or additional mutations in a deoxyhypusine synthase gene by screening pooled and/or individual tomato plants. The tomato plants of the present invention exhibit altered deoxyhypusine synthase activity and delayed post harvest softening of their tomato fruit without having the inclusion of foreign nucleic acids in their genomes. Novel nucleotide and protein sequences for deoxyhypusine synthases in tomato and their uses.

IPC 8 full level

C12N 15/82 (2006.01); **A01H 5/08** (2018.01); **C07K 14/415** (2006.01); **C12N 9/02** (2006.01); **C12N 9/10** (2006.01)

CPC (source: EP US)

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