

Title (en)  
POLYPHENOL OXIDASE GENES FROM BANANA, TOBACCO AND PINEAPPLE

Title (de)  
POLYPHENOLOXIDASE GENE VON BANANE, TABAK UND ANANAS

Title (fr)  
GENES CODANT LA POLYPHENOLOXYDASE, EXTRAITS DE LA BANANE, DU TABAC ET DE L'ANANAS

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Application  
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Abstract (en)  
[origin: WO9853080A1] The present invention provides methods for preparing nucleic acids encoding polyphenol oxidase (PPO), fragments and derivatives thereof. The present invention also provides nucleic acids encoding banana, tobacco or pineapple PPO, or antisense to banana, tobacco or pineapple PPO, fragments and derivatives thereof. Vectors including such nucleic acids, methods of using such nucleic acids and transgenic plants are also provided.

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Citation (search report)  
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• [A] CANO M PILAR ET AL: "Improvement of frozen banana (Musa cavendishii, cv. Enana) colour by blanching: Relationship between browning, phenols and polyphenol oxidase and peroxidase activities", ZEITSCHRIFT FUER LEBENSMITTEL-UNTERSUCHUNG UND -FORSCHUNG A, vol. 204, no. 1, 1997, pages 60 - 65, XP009038096, ISSN: 1431-4630  
• [A] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1992, ZHOU YU-CHAN ET AL: "Mechanism of blackheart development induced by low temperature and gibberellic acid in pineapple fruit", XP002300875, Database accession no. PREV199396056342 & ACTA PHYTOPHYSIOLOGICA SINICA, vol. 18, no. 4, 1992, pages 341 - 347, ISSN: 0257-4829  
• See references of WO 9853080A1

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