Genetic analysis of two tomato genes for resistance to Cladosporium fulvum.

University of East Anglia - Characterization of the Tomato Cf

Cladosporium fulvum overcomes *Cf-2*-mediated resistance by producing truncated AVR2 elicitor proteins

Description: -
-Genetic analysis of two tomato genes for resistance to Cladosporium fulvum.
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Characterization of the Tomato Cf

The Cf-19 gene may also be slightly affected by incompletely dominant inheritance, leading to a higher disease severity score for some heterozygous plants, and these plants were divided into the susceptible bulk. A polymerase chain reaction PCR -based procedure for the rapid identification of recombination events between these two markers was developed. KEGG pathway enrichment was used to identify significantly enriched signal transduction pathways or metabolic pathways in DEGs.

Characterization of the tomato Cf

Association analysis and candidate gene screening According to the results of ΔSNP index calculation, all Diff-Markers were distributed on chromosome 1. Within three years from the granting of the first Charter, Henry Oldenburg, the first Secretary, began publishing Philosophical Transactions in March 1665 and it has continued ever since. Seedlings were inoculated with TRV:ACIK1, TRV:SGT1, or control TRV:00.

RFLP linkage analysis of the Cf

Availability of supporting data The data sets supporting the results of this article are included within the article and its additional files.

Frontiers

This is an open-access article distributed under the terms of the. The majority of these differences are in residues interstitial to those of the leucine-rich repeat consensus motif.

Characterization of the Tomato Cf

The position information for these regions was very reasonable for the Cf genes were organized into clusters of resistance gene homologues and most Cf genes mapped to chromosome 1 or chromosome 6 so far.

Mapping and candidate gene screening of tomato Cladosporium fulvum

To date, many Cf genes have been overcome by C. The growing condition was 16-h light and 8-h darkness at 25°C with an ambient humidity of 95%.

Functional analysis of Avr9/Cf

Passalora fulva is a biotrophic pathogen of tomato Solanum lycopersicum , which causes leaf mold disease.

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