

Name: *non ripening (nor)*

Accessions: FR1

Gene ID: Solyc10g006880

Map position: chromosome 10 (short arm)

Gene function: NAC transcription factor, a ripening regulator.

Gene effect: mutated allele fails to initiate the normal fruit ripe program.

Phenotypes: MT-*nor* prevents normal fruit ripe (non-pigmentation, non-softening, and crack resistance in fruits).

Comments: This mutation is often used in the heterozygous form to create long shelf-life fruits. However, the mutation decreases lycopene content even in the heterozygous form.

Description of accessions available: MT-*nor* is a BC6Fn introgressed from LA1793

Figures:



MT-*nor* fruit (right) which fail to ripe. The fruit of the left is a typical control MT fruit.

Bibliography

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