

Name: *lutescent (l)*

Accessions: FR3

Gene ID:

Map position: chromosome 8 (short arm)

Gene function:

Gene effect: plants harboring the mutated allele present premature senescence.

Phenotypes: MT-*l* plants present premature yellowing of the leaves (starting from the base of the plant), non-pigmented ovaries, and yellowish fruits that do not fully ripe.

Comments:

Description of accessions available: MT-*l* is a BC6Fn introgressed from a heirloom called Lutescent.

Figures:



MT- (left) showing premature senescence of the leaves as compared to the control MT (right).

Bibliography

Jen JJ (1974) Carotenoids of yellow and red lutescent tomatoes. *Journal of Agricultural and Food Chemistry* 22:908-910.

Raymundo LC, Griffiths AB, Simpson KL (1970) Biosynthesis of carotenoids in the tomato fruit. *Phytochemistry* 9: 1239-1245.