

Name: *high pigment 1 (hp1)*

Accessions: Ph3 (LA4472)

Gene ID: Solyc02g021650

Map position: chromosome 2 (long arm)

Gene function: encoding UV-damaged DNA binding protein 1 (DDB1).

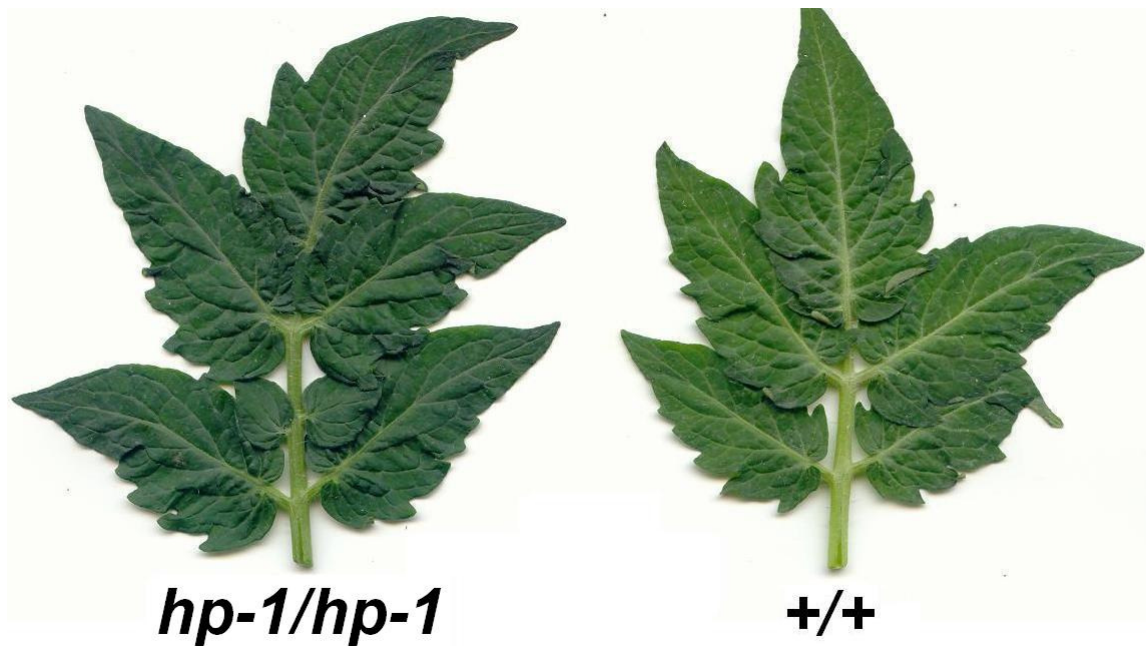
Gene effect: mutated allele presents an exaggerated light response.

Phenotypes: MT-*hp1* presents high pigmentation of leaves and fruits. The fruits present a high content of carotenoid and ascorbic acid.

Comments: the *hp1* phenotype is greatly intensified in the presence of the wilt type allele for *uniform ripe*.

Description of accessions available: MT-*hp1* is a BC6Fn introgressed from LA2475

Figures:



MT-*hp1* leaf showing an intense pigmentation.

Bibliography

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