

**Name:** *high pigment 2 (hp2)*

**Accessions:** Ph4 (LA4473)

**Gene ID:** Solyc01g056340

**Map position:** chromosome 1 (short arm)

**Gene function:** homologous to the *Arabidopsis* nuclear protein *DEETIOLATED1 (DET1)*, a negative regulator of photomorphogenesis

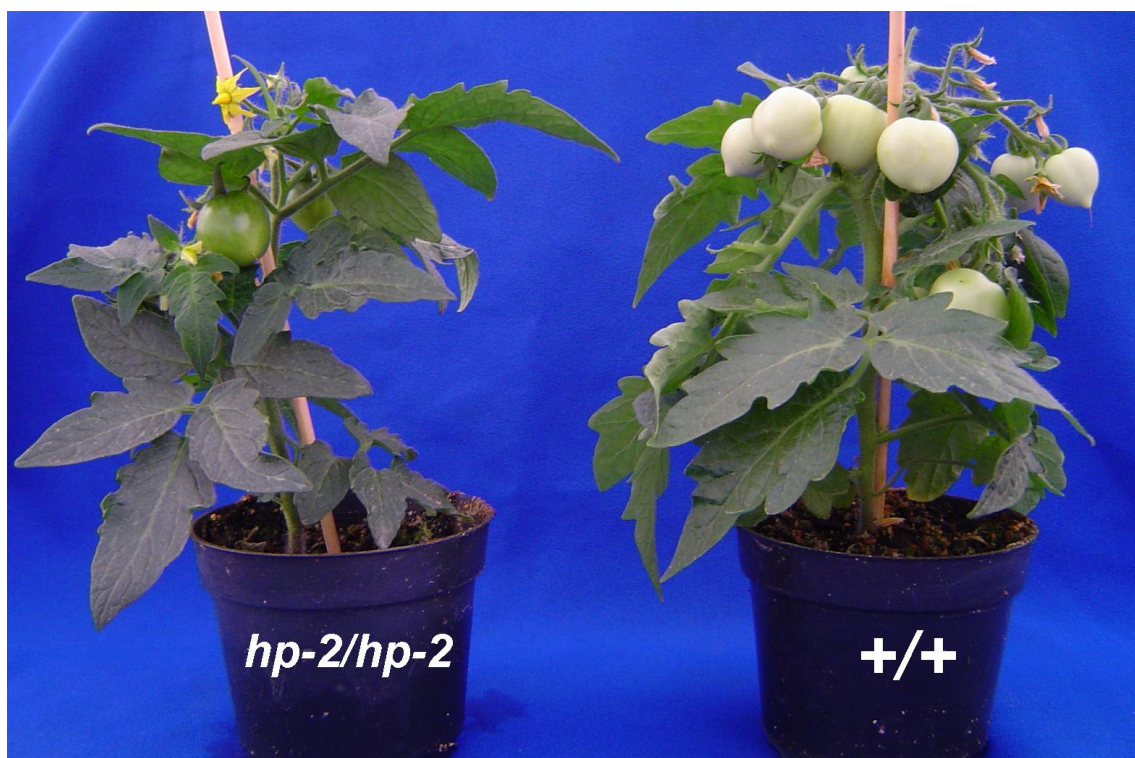
**Gene effect:** mutated allele causes an exaggerated response to light.

**Phenotypes:** MT-*hp2* presents high pigmentation of leaves and fruits. The fruits present a high content of carotenoid and ascorbic acid.

**Comments:** this mutant is the former *dark green (dg)*.

**Description of accessions available:** MT-*hp2* is a BC6Fn introgressed from LA2451

**Figures:**



MT-*hp2* (left) showing intense pigmentation of leaves and fruits.

### Bibliography

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