

Name: *aurea* (*au*)

Accessions: Ph1 (LA4486)

Gene ID: Solyc01g008930

Map position: chromosome 1 (short arm)

Gene function: phytochromobilin synthase, homologous to *AtHY2* gene

Gene effect: Plants with the mutated allele fail to perceive light for photomorphogenesis (de-etiolation, chloroplast differentiation).

Phenotypes: MT-*au* seedlings are etiolate with bright yellow cotyledons. Adult plants are taller than MT and present bright yellow leaves.

Comments:

Description of accessions available: MT-*au* is a BC6Fn introgressed from LA1529

Figures:



MT-*au* (right) showing etiolation in the light, which leads to taller, chlorotic and less-branched plants. The blue pipette tip has 8 cm.

Bibliography

- of special interest
- of outstanding interest

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