**Name:** Lanceolate (La)

**Accessions:** LS6

**Gene ID:** Solyc07g062680

**Map position:** chromosome 7 (long arm)

**Gene function:** TCP transcription factor

**Gene effect:** Plants with the mutated allele produce simple leaves instead of compound ones. The known mutated allele consist of a loss of the site of down regulation by the miR319. This results in the over expression of the TCP type transcription factor that causes a precocious meristem differentiation.

**Phenotypes:** leaves simple, limited to one small, elongated leaflet; margins entire; stems slender and excessively branched; fruit small and elongated; homozygous with no shoot meristem.

**Comments:** This genotype is maintained in F2 population segregating 1:2:1 for La/La, La/+ and +/+ . The self pollination of La/+ is used to produce the F2 population.

**Description of accessions available:** MT-La is a BC6Fn introgressed from LA0335

**Figures:**

MT-La (left) showing simple and small leaves typical of La/+ plants.
Bibliography


