

Name: *trifoliata (tf)*

Accessions: LS8

Gene ID: Solyc05g007870

Map position: chromosome 5 (long arm)

Gene function: MYB-like transcription factor related to the *Arabidopsis thaliana* LATERAL ORGAN FUSION1 (LOF1) and LOF2 proteins.

Gene effect:

Phenotypes: leaf usually with only three leaflets, petiole elongate.

Comments:

Description of accessions available: MT-*tf* is a BC6Fn introgressed from LA1444

Figures

Bibliography

Hareven D, Gutfinger T, Parnis A, Eshed Y, Lifschitz E (1996) The making of a compound leaf: genetic manipulation of leaf architecture in tomato. *Cell* 84: 735-744.

Naz AA, Raman S, Martinez CC, Sinha NR, Schmitz G, Theres K (2013) Trifoliata encodes an MYB transcription factor that modulates leaf and shoot architecture in tomato. *PNAS USA* 110:2401-2406.

Robinson RW, Rick CM (1954) New tomato seedling character and their linkage relationships. *Journal of Heredity* 45: 241-248.

Shtereva L, Atanassova B (2001) Callus induction and plant regeneration via anther culture in mutant tomato (*Lycopersicon esculentum* Mill.) lines with anther abnormalities. *Israel Journal of Plant Sciences* 49: 203-208.

Ziv M, Hadary D, Kedar N, Ladizinsky G (1984) *Lycopersicon esculentum*: trifoliata plants recovered from anther cultures of heterozygous *tftf* plants. *Plant Cell Reports* 3: 10-13.