

Name: *jointless 1 (j1)*

Accessions: Flo7

Gene ID: Solyc11g010570

Map position: chromosome 11 (short arm)

Gene function: MADS-box transcription factor.

Gene effect: mutated allele suppresses the formation of pedicel abscission zones.

Phenotypes: MT-*j1* presents jointless pedicels; the inflorescence meristems often revert to vegetative growth, resulting in a 'leafy' inflorescence phenotype.

Comments: The *sp* allele is somewhat epistatic to *j1*. Thus, the effect of *j1* is best observed in MT plants harboring the wild type *Sp* allele (the double mutant MT-*Sp-j1*).

Description of accessions available: MT-*j1* is an EMS-induced mutant in Micro-Tom. It seems to be a strong allele, since the phenotype is easily observed in the *sp* background.

Figures:



Close up of the MT-*j1* jointless pedicel. Note the presence of leaves in the fruit cluster.

Bibliography

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