

Name: *fasciated (f)*

Accessions: FS1

Gene ID: Solyc11g071810

Map position: chromosome 11 (long arm)

Gene function: YABBY-like transcription factor.

Gene effect: The mutated allele increases the number of whorls (sepals, petals and carpels) during flower development. The increased number of carpels contributes to improve fruit size.

Phenotypes: MT-*f* presents flowers with more than 6 sepals and petals instead of 5 in the control MT. The unfused extra carpels in each flower produce a large multi loculated fruit.

Comments:

Description of accessions available: MT-*f* is a BC6Fn introgressed from cv Caqui

Figures:



Left photo: MT-*f* showing large fruits. Right photo: Close up of MT-*f* flowers. This kind of aberrant flower (center) is very often in MT-*f*. Most flowers of MT-*f* have more than 6 whorls instead of 5 in MT.

Bibliography

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