

Name: *flowers augmented per truss (fat)*

Accessions: Flo2

Gene ID:

Map position:

Gene function:

Gene effect: plants with the mutated allele probably delay the differentiation of inflorescence meristem into flower meristem.

Phenotypes: homozygous MT-*fat* plants have 10-13 flowers per truss in opposition to 6-8 in the control MT. Bifurcate inflorescences also occur in MT-*fat*.

Description of accessions available: MT-*fat* is a BC6Fn introgressed from CNPH384 (*Solanum pimpinellifolium*)

Comments: The parental *Solanum pimpinellifolium* use to have more than 30 flowers per truss. Thus, MT-*fat* is probably just one of the various loci controlling flower number in the wild species.

Figures:



MT-*fat* (right) showing more flowers per truss than MT (left). Close up MT-*fat* inflorescence showing 13 flowers (right figure).

Bibliography