

Name: *Wooly (Wo)*

Accessions: Tri2

Gene ID: Solyc02g080490

Map position: chromosome 2 (long arm)

Gene function: Homeodomain-leucine zipper (HD-Zip) related to the Arabidopsis genes *GLABRA2 (GL2)* and *PROTODERMAL FACTOR2 (PDF2)*

Gene effect: regulation of the B type cyclin gene *S/CycB2*.

Phenotypes: Increased trichomes in all vegetative parts.

Description of accessions available: MT-*Wo* is a BC6Fn introgressed from LA0715

Comments: MT-*Wo* harbors the allele “m”, which produces homozygous viable.

Figures:



MT-*Wo* (left) showing its hairy phenotype, as compared to the control Micro-Tom (right).

Bibliography

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Huang PC, Paddock EF (1962) The time and site of the semidominant lethal action of “*Wo*” in *Lycopersicon esculentum*. *American Journal of Botany* 49(4):388-393.

Lesley JM, Lesley MM, Soost RK (1979) Variegation due to chromosome loss induced by a gene in the *Woolly* mutant of the tomato. The Journal of Heredity 70:103-108.

Shilling PR (1959) An investigation of the hereditary character, *Woolly*, in the tomato. The Ohio Journal of Science 59:289-302.

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