Name: obscuravenosa (obv)

Accessions: LS1

Gene ID:

Map position: chromosome 5 (long arm)

Gene function:

Gene effect:

Phenotypes: Plants with the mutated allele present opaque leaf veins with back lighting due to the lack of bundle sheath extensions in the stele.

Comments:

Description of accessions available: MT-obv is a BC6Fn introgressed from LA3475 (cv. M82).

Figures:

Figure A – MT (clear veins, left) and MT-obv (obscure veins, right). Figure B – Unstained transverse sections of leaf veins of tomato cv. MT (left) and MT-obv (right). Note the absence of bundle sheath extension in obv, which makes the obv subepidermis continuous.

Bibliography


Rick CM and Chetelat RT (2005) Fine mapping of leaf venation and plant height traits in tomato using L. pennellii introgression lines. Plant & Animal Genomes XIII Conference,