**Name:** diageotropica *(dgt)*  

**Accessions:** H1 (LA4482)  

**Gene ID:** Solyc01g111170  

**Map position:** chromosome 1 (long arm)  

**Gene function:** cyclophilin biosynthesis  

**Gene effect:** plants with the mutated allele have low sensitivity to the hormone auxin.  

**Phenotypes:** MT-*dgt* presents hyponastic leaves, plagiotropic roots with fewer ramifications and slender stems.  

**Comments:**  

**Description of accessions available:** MT-*dgt* is a BC6Fn introgressed from LA1529  

**Figures:**  

MT-*dgt* (left) showing hyponastic leaves and a slender shoot
Hypocotyls from the MT-dgt are insensitive to auxin (IAA).

Bibliography

- of special interest
- • of outstanding interest


Fujino DW, Nissen SJ, Jones AD, Burger DW, Bradford KJ (1988) Quantification of Indole-3-acetic acid in dark-grown seedlings of the diageotropica and epinastic mutants of tomato (Lycopersicon esculentum Mill.). Plant Physiology 88:780-784


