Name: *gibberellin-deficient3 (gib3)*

Accessions: H12 (LA4478)

Gene ID: Solyc07g066670

Map position: chromosome 7

Gene function: ent-Kaurene synthase – KS synthase (gibberellin biosynthesis)

Gene effect: plants harboring the mutated allele produce low amounts of the hormone gibberellin.

Phenotypes: MT-gib3 presents short internodes, dwarf size, reduced wrinkled leaves and reduced germination.

Comments: seeds need to be germinated in filter paper soaked with 100 µM GA$_3$. The residual GA will produce smooth leaves and maybe enough to ensure flowering. Sprays (every other week) with 100 µM GA$_3$ at flowering stage are also necessary for fruit development.

Description of accessions available: MT-gib3 is a BC6Fn introgressed from LA2895 (cv Moneymaker)

Figures:

![Adult MT-gib3 growing in a 150-ml pot.](image)

Bibliography

