Name: *green flesh (gf)*

**Accessions:** OC10

**Gene ID:** Solyc08g080090

**Map position:** chromosome 8 (long arm).

**Gene function:** STAY–GREEN (SGR) protein necessary for chlorophyll degradation.

**Gene effect:** plants with the mutated allele inhibit chlorophyll degradation during ripening

**Phenotypes:** the retention of chlorophyll produces brown-colored fruits. The seed placental tissue (gel) remains green at ripe stage. Detached leaves also remain green for longer in humid chambers.

**Comments:** The “black” and “purple” tomato varieties created using *gf* may provide for the false idea of a tomato that accumulates the antioxidant anthocyanin. However, the color effect is actually brown, which is the combination of green (chlorophyll) and red (lycopene) pigments.

**Description of accessions available:** MT-*gf* is a BC6Fn introgressed from LA1797.

**Figures:**

MT-*gf* (right) showing ripening modification
Bibliography


