

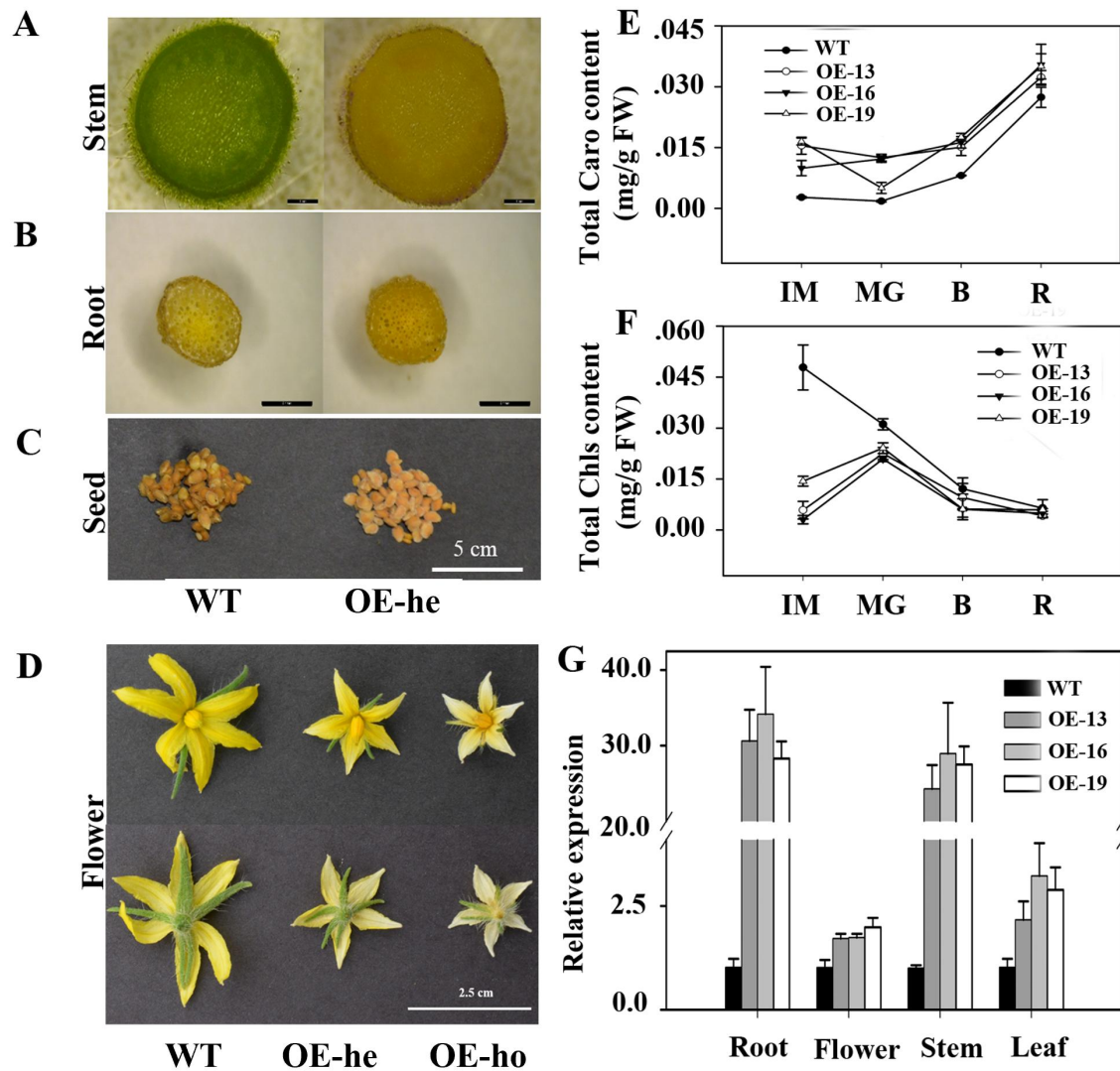


Fig. S2 Other color-related phenotypes observation and pigment determination induced by *SLPsy1* overexpression

A. Representative stem slices of WT and OE lines (Bar = 1 mm). B. Representative root slices of WT and OE lines (Bar = 500 μ m). C. Representative seeds of WT and OE lines. D. Representative flowers in WT and OE lines. E. Total carotenoids content in immature (IM), mature green (MG), Breaker (B) and red ripe (R) stage fruits in WT and OE lines determined by spectrophotometer (n=3). F. Total Chls content in IM, MG, B and R stage fruit in WT and OE lines determined by spectrophotometer (n=3). G. Relative expression of *SLPsy1* in root, flower, stem and leaf of WT and OE lines. *EF1 α* as the internal control. Chls: chlorophyll. Caro: carotenoid. he: heterozygote. ho: homozygote.