

Supplementary Figure S2. Effects of RhARF1 silencing on anthocyanin metabolism and rose petal pi gmentation.

(a) Yeast one-hybrid (Y1H) results of RhARF1 and controls; (b) Dual-luciferase assay for RhARF1; (c) P etal color changes, anthocyanin content, ion leakage rate, expression levels of key biosynthetic genes (Rh CHSa and RhCHSc) and expression levels of senescence marker gene RhSAG12 in TRV2 control and TR V2-RhARF1-treated groups. Data are presented as means  $\pm$  SE, \*\*P < 0.01; ns indicates no significant di fference.