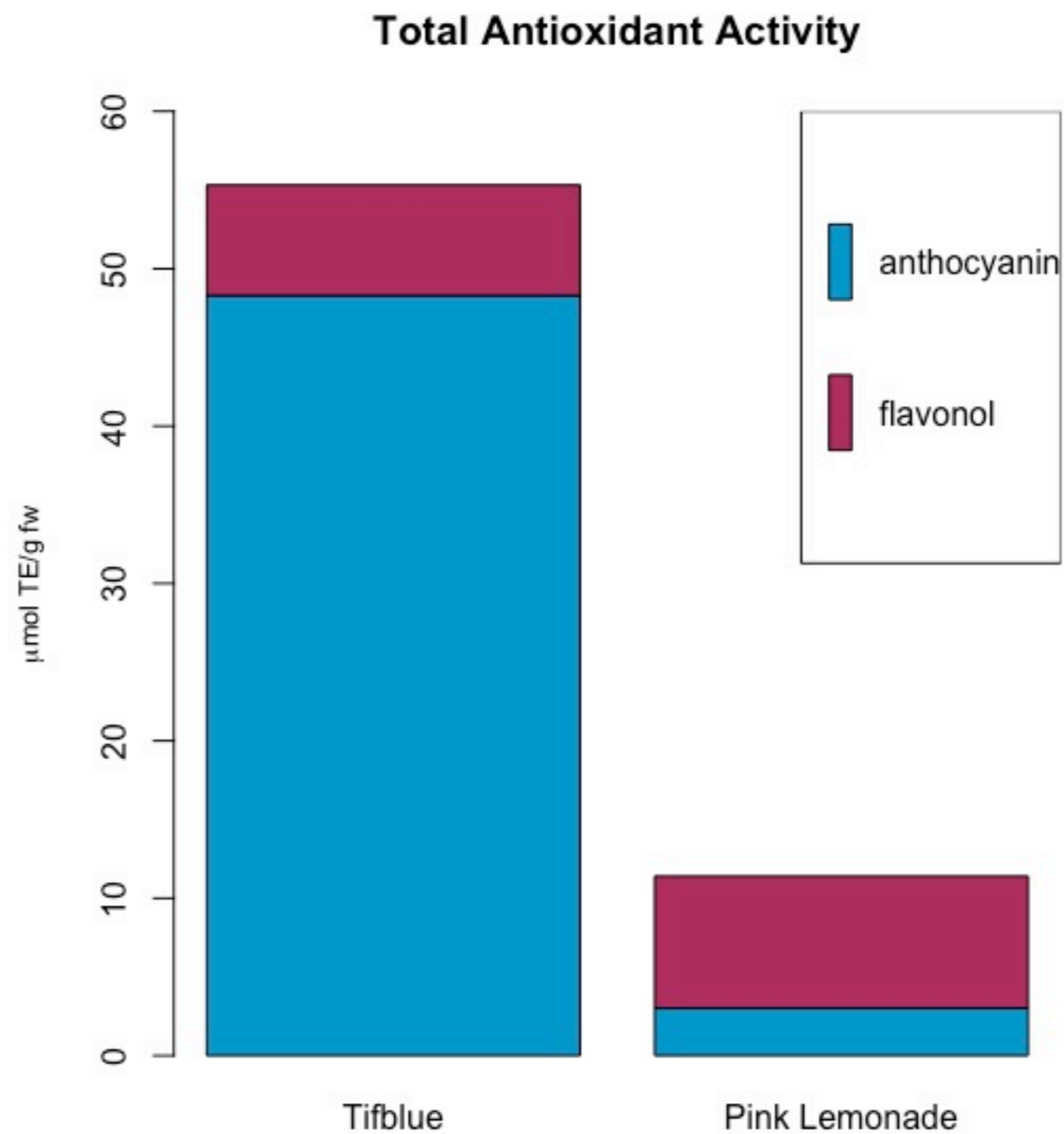
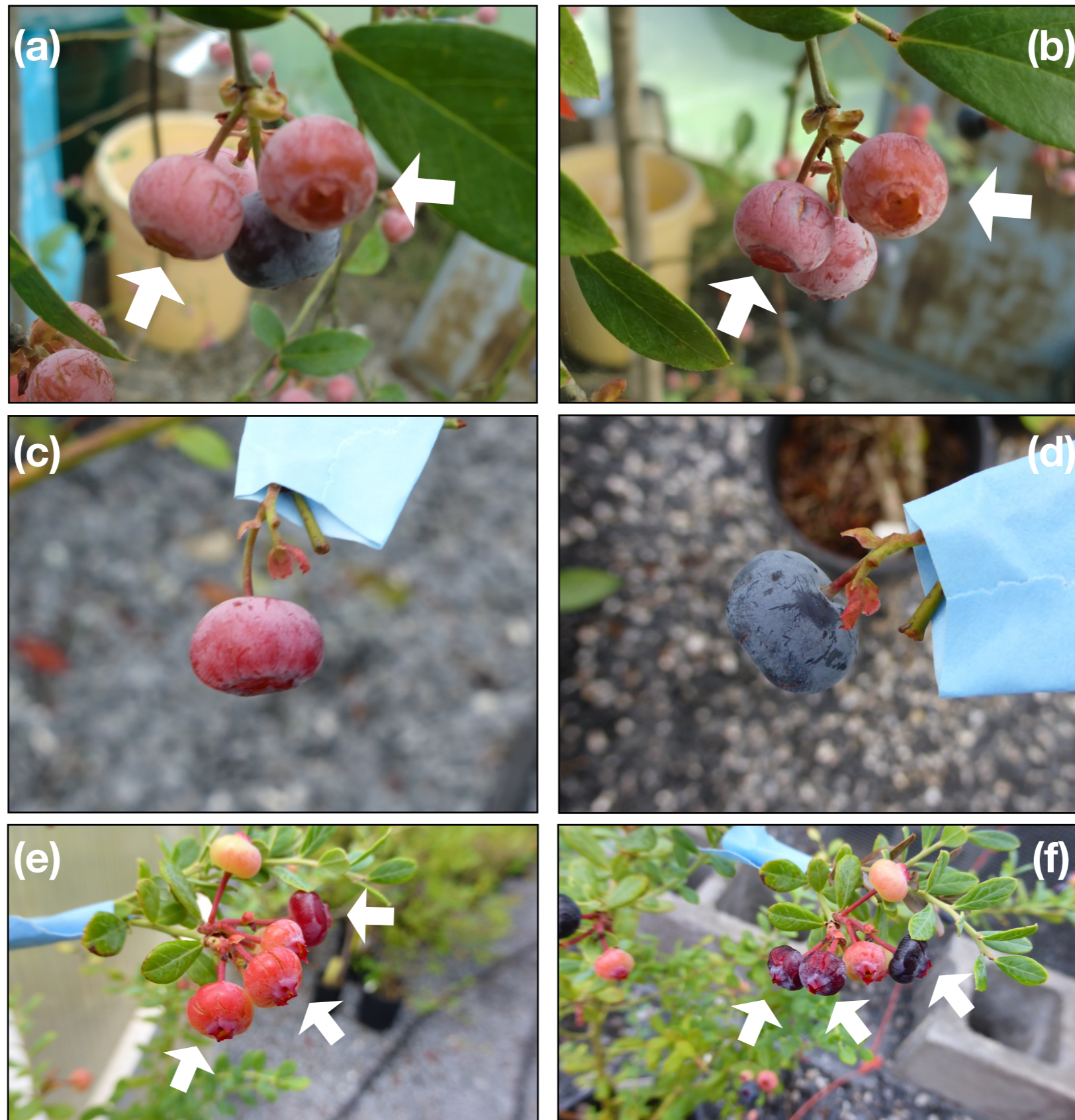


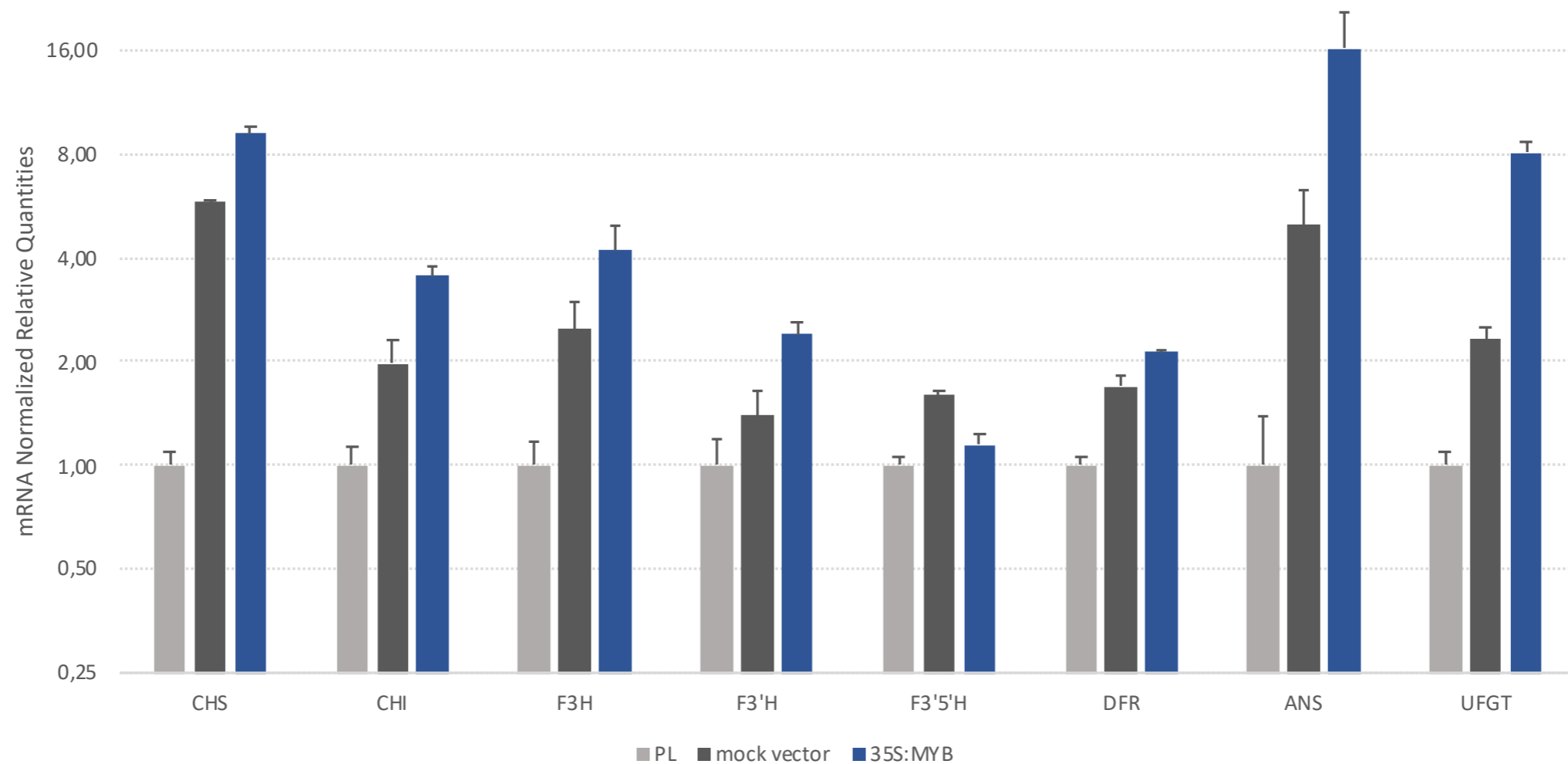
# Supplementary Figures



**Figure S1.** Contributions of total phenolics for wild-type ‘Tifblue’ and mutant ‘Pink Lemonade’ cultivars. Anthocyanins contribute significantly to total antioxidant activity in Tifblue, whereas flavonols are the main source of antioxidant activity in Pink Lemonade. Data obtained from Wang et al. (2012) Food Chem 132:855-864



**Figure S2.** Representative fruits from the transient assay. Wild-type 'Tifblue' infiltrated with an empty vector at 24 hpi (a) and 1 week post-infiltration (b). 'Premiere' genotype infiltrated with the vector construction containing the F3'5'H gene at 24 hpi (c) and 72 hpi (d). NJ 88-13-15 x F1a4B genotype infiltrated with the vector construction containing the F3'5'H gene at 24 hpi (e) and 72 hpi (f).



**Figure S3.** Expression profile of the anthocyanin structural genes in ripe fruits of the mutant 'Pink Lemonade' (PL) and infiltrated with constructs containing an empty vector (mock vector) or the MYB1 transcription factor driven by the 35S promoter. Normalized Relative Quantities (NRQ) are rescaled to the PL. NRQ represent average values from 2015-2016. Mean expression level (+SEM) is shown.