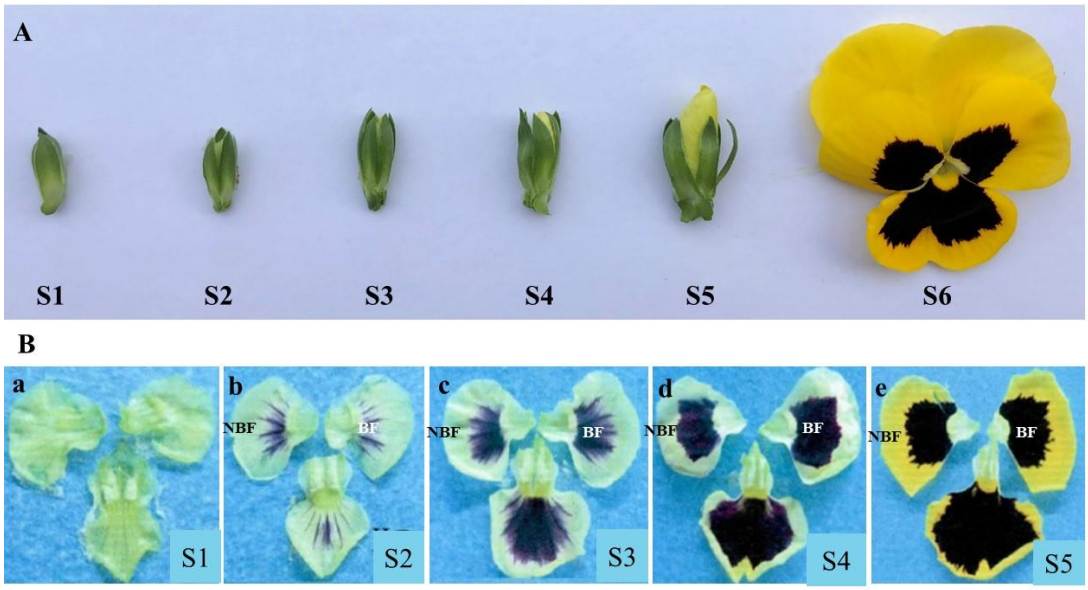


Figure S1. Pansy flowers at six developmental stages. (**A**) phenotype of full buds at six different stages; (**B**) phenotype of lower three petals from S1-S5; (**a**) petals without blotches; (**b**) petals with purple veins; (**c**) petals with light purple blotches; (**d**) petals with deeper purple blotches; (**e**) petals with mature cyanic blotched petals.

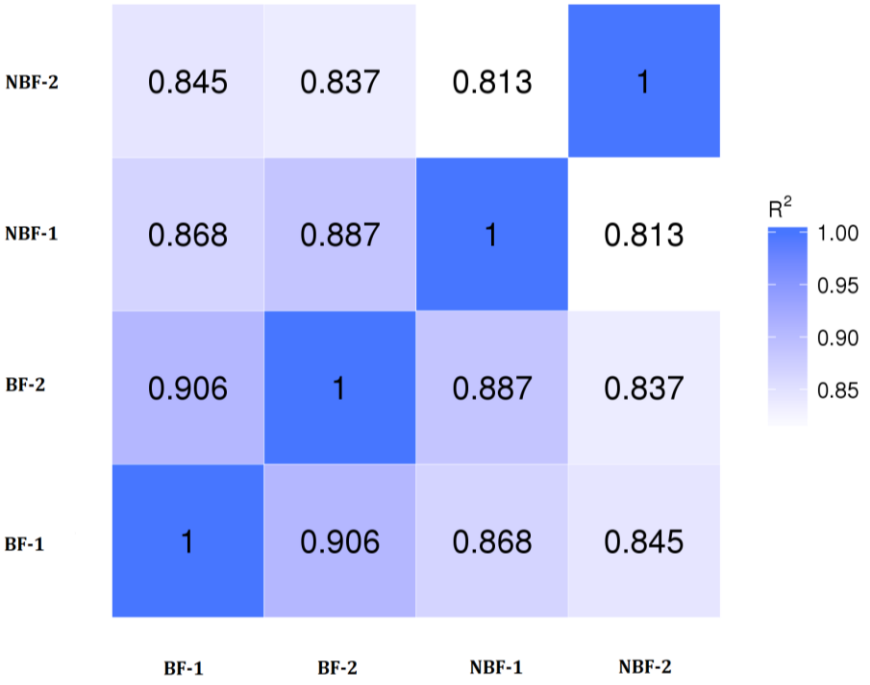


Figure S2. Pearson correlation between samples

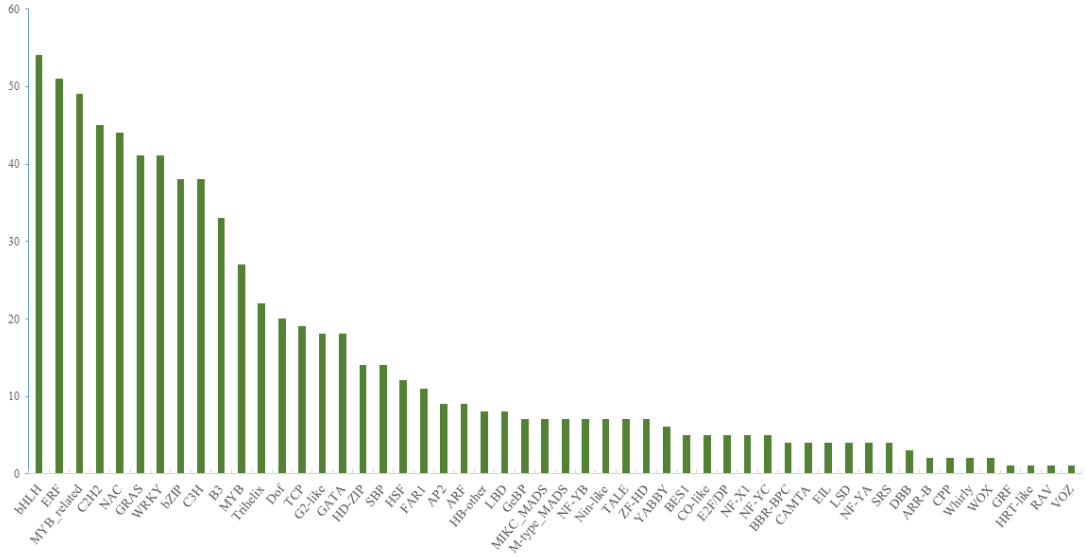


Figure S3. Transcription factors in pansy

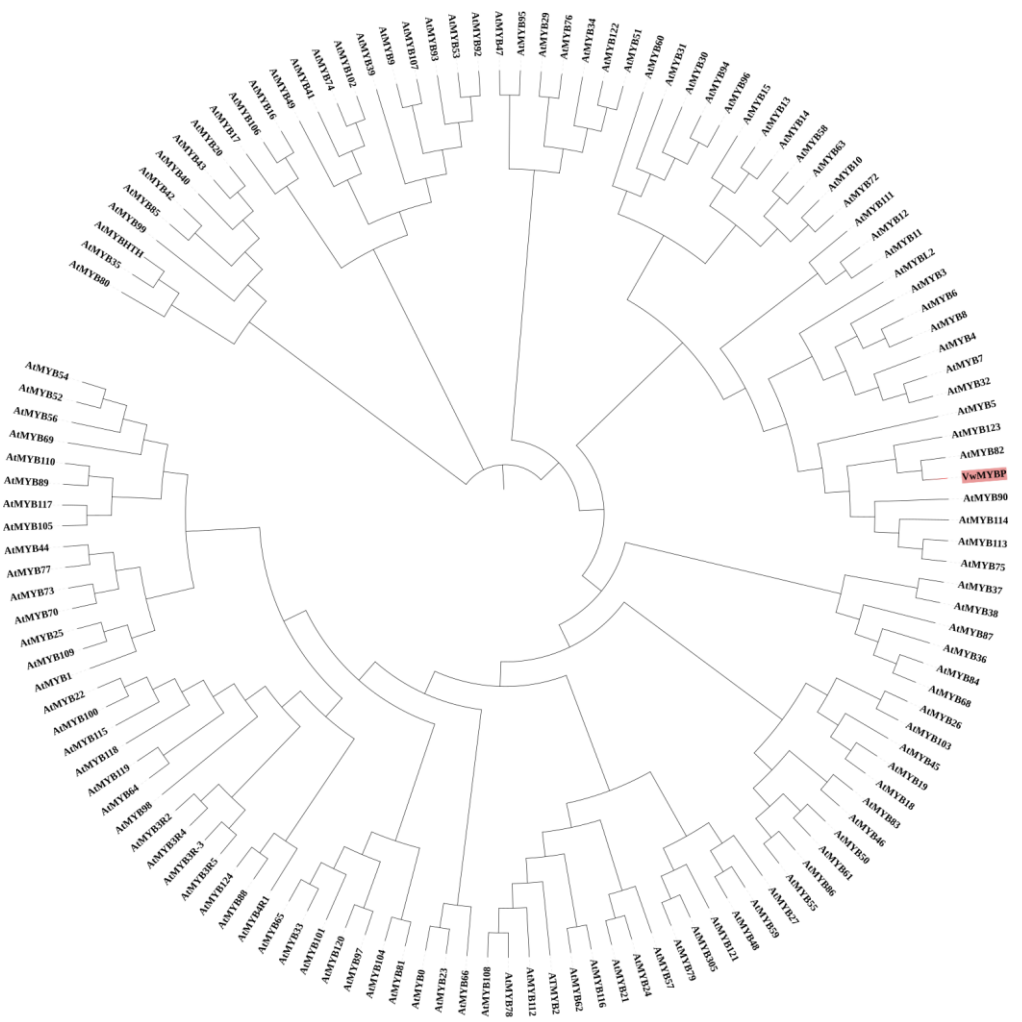


Figure S4. Phylogentic tree of *VwMYBP* and R2R3-MYB TFs in *Arabidopsis thaliana*

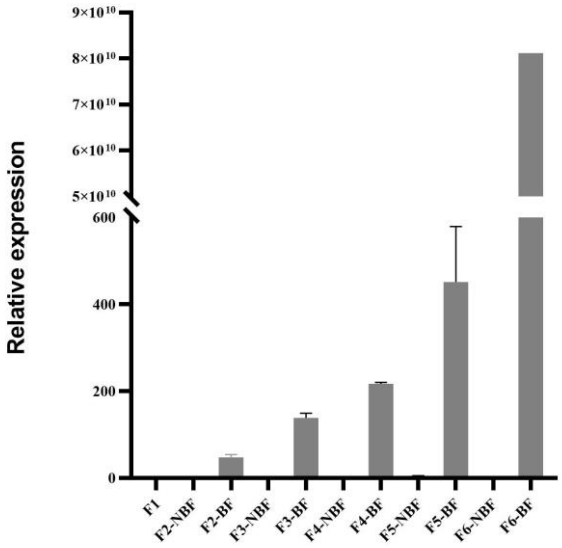


Figure S5. Expression levels of *VwMYBP* in NBF and BF at six development stages. F1: flowers at stage S1; F2: flowers at stage 2; F3: flowers at stage 3; F4: flowers at stage 4; F5: flowers at stage 5; F6: flowers at stage 6. NBF: non-blotched part of petals; BF: blotched part of petals.