

Supplemental figures

Figure S1 The effect of darkness (Dk)/blue light (BL)/red light (RL) on the synthesis of anthocyanins in soybean sprouts. * $p < 0.05$.

Figure S2 Expression level of *GmMYB114* in transcriptome described in our previous study. The transcriptome was conducted between the soybean hypocotyl samples under dark (Dk) and blue light (BL) conditions. * $p < 0.05$.

Figure S3 The correlation between *GmMYB114* expression level and anthocyanin content. The expression level of *GmMYB114* was detected after being treated with blue light for 12 h, 24 h and 36 h. Also, the anthocyanin content was detected in the same time period. P indicated Pearson index, and the closer it is to 1, the more positive the correlation is.

Figure S4 Verification of successful *GmMYB114* transformation in soybean hairy roots. (A) The hairy roots transformed with empty vector and *GmMYB114*-OX vector were verified using primers with vector homologous arms to clone *GmMYB114*. The appearance of PCR bands indicated successful transfer to *GmMYB114*. (B) The expression level of *GmMYB114* in soybean hairy roots successfully detected in (A) was detected by RT qPCR. * $p < 0.05$.

Figure S5 Analysis of MYB binding sites in the *GmCHS/GmDFR/GmANS* promoter region.

Figure S1

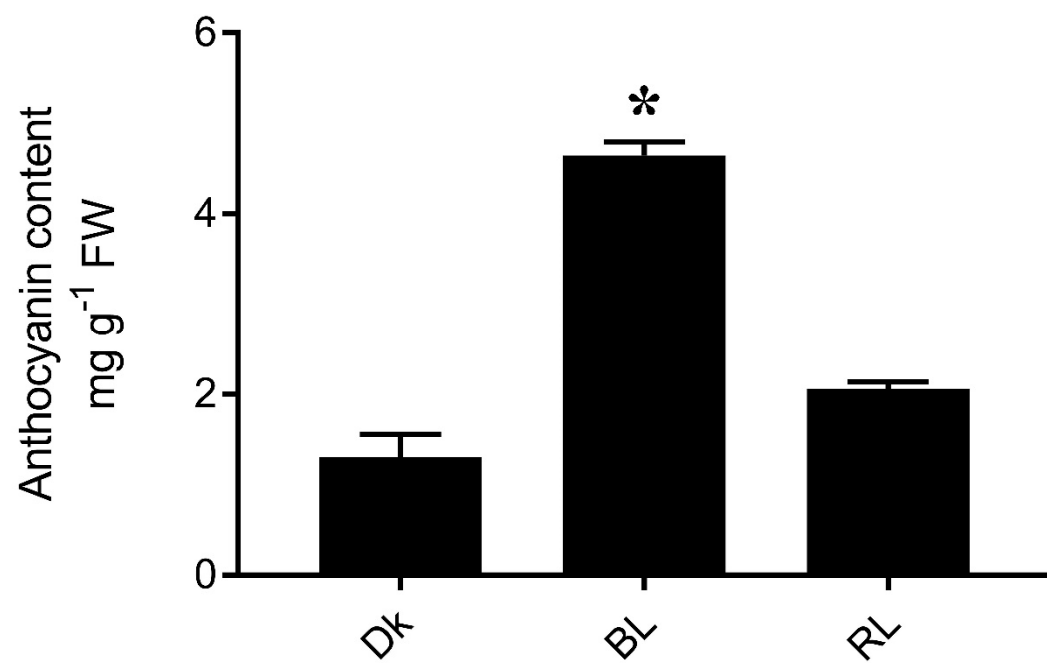


Figure S2

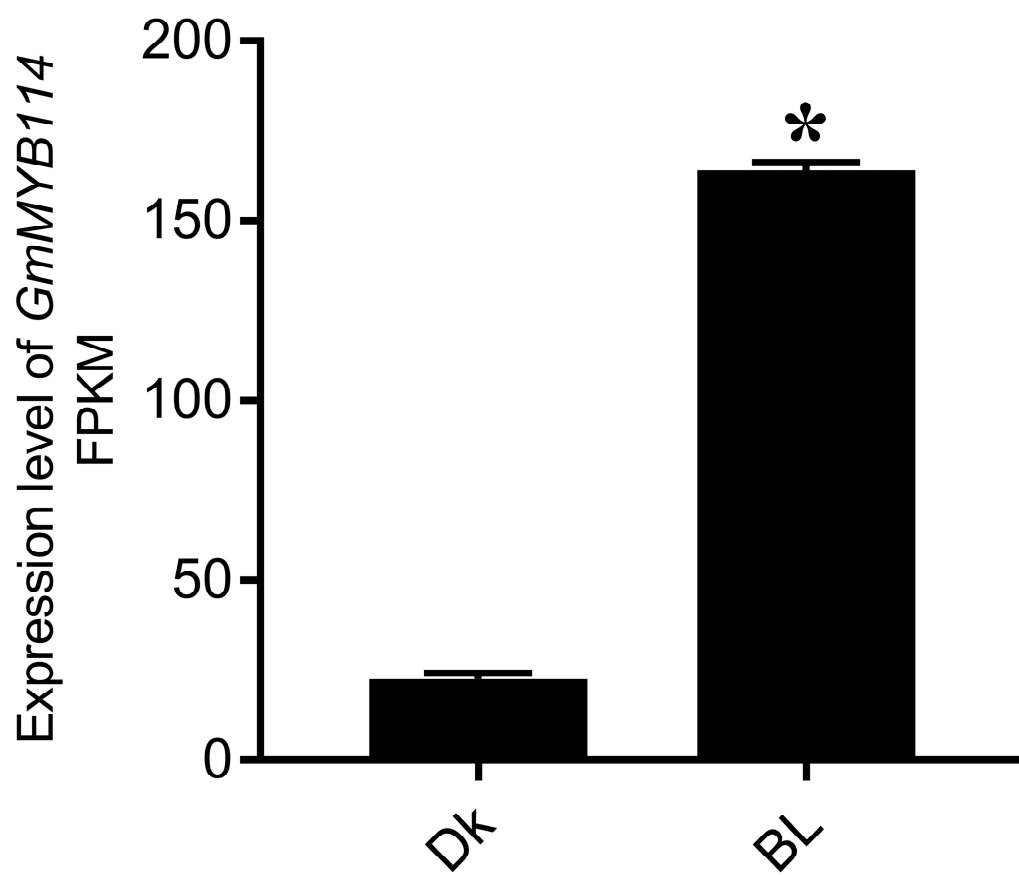


Figure S3

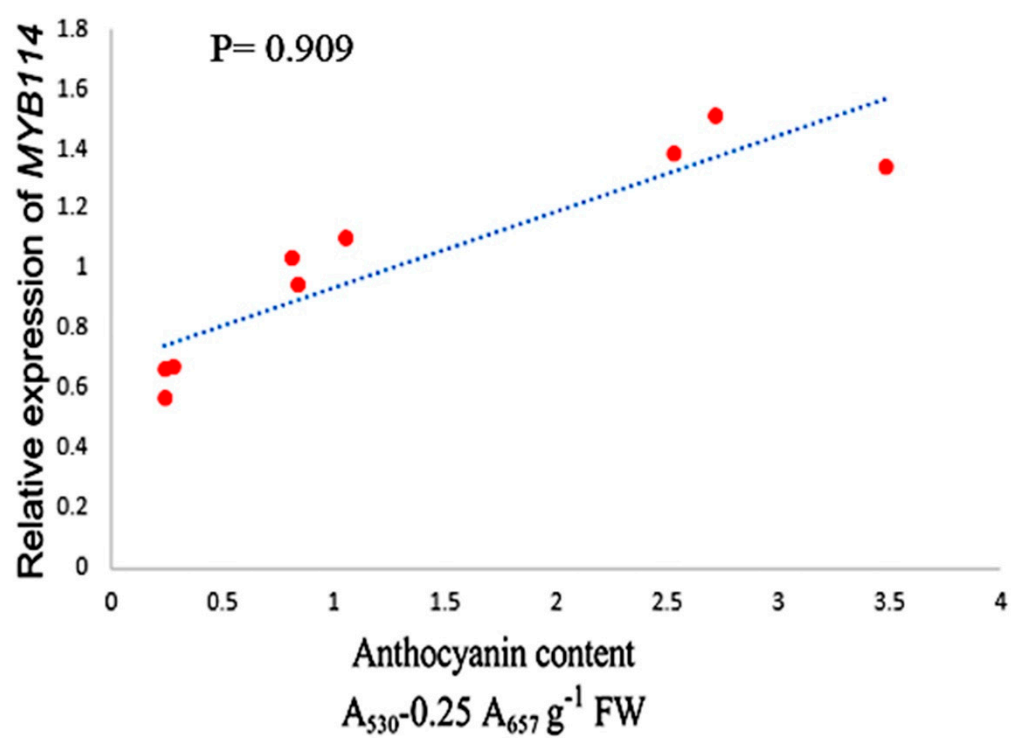


Figure S4

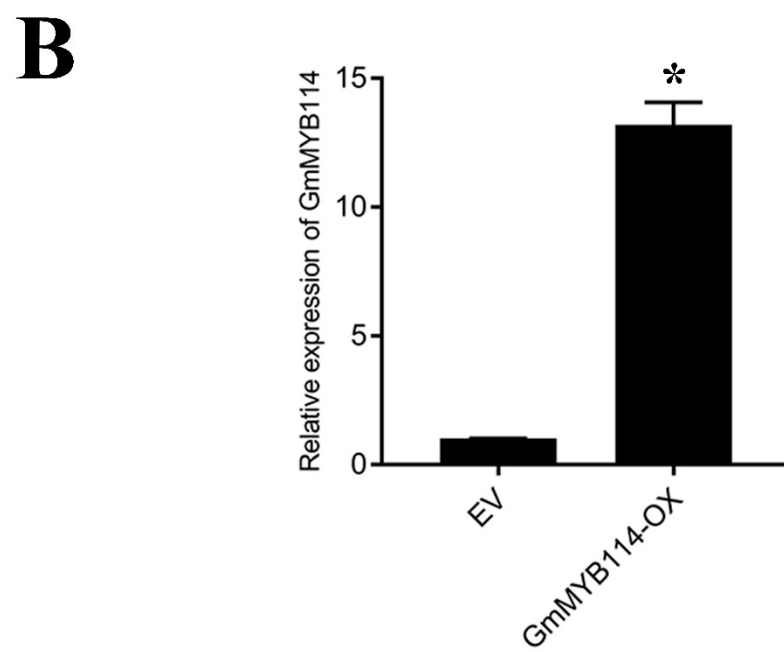
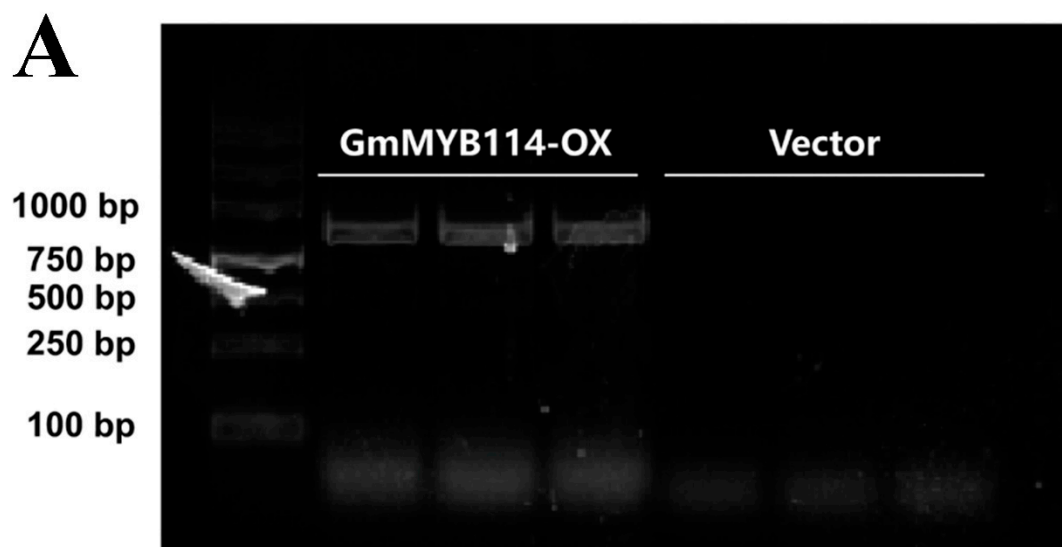


Figure S5

