

Table S1. The exhibition of UVA (385 nm) and blue (460 nm) light treatment.

Light treatment	UVA intensity ($\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$)	Blue intensity ($\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$)	Total intensity ($\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$)	Photoperiod (h)
T0	0	50	50	16/8 (light/dark)
T5	5	45		
T10	10	40		
T20	20	30		

Note: T0, T5, T10 and T20 means 0 UVA with 50 B, 5 UVA with 45 B, 10 UVA with 40 B, 20 UVA with 30 B ($\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$), respectively.

Table S2. A list of primer sequences for qRT-PCR analysis

Primer name	Primer sequence (5'-3')	Gene bank accession
<i>Actin</i>	F: CTGTGACAATGGTACCGGAATG R: ACAGCCCTGGGAGCATCA	Bra022356
<i>CRY1</i>	F: TCCCCACCGAGTGGATACAT R: GAAGGCGTGCTTTTGCTTCA	DQ859033
<i>CRY2</i>	F: GACAAGAACGGCCAAGGAGA R: ACTGCTCGTGAGTGAAAGGG	AY176689
<i>COP1</i>	F: CGGAAGCGAGACAAATGAAGTAT R: CGCAGTCAGCATCGTGGG	JF738111
<i>HY5</i>	F: TCAGCACAGCAAGCAAGA R: ATCAGCGTTAGAACCACC	ES910808
<i>MYB1</i>	F: TGTAACAAAGCTGGGGAGAAG R: CGTACCTTTTGGAACGAGCCCGTCA	Bra001917
<i>MYB2</i>	F: AGGTGGTCTTTAATTGCT R: TCCAAGGCATAGAGGAACAA	Bra004162
<i>PAP1</i>	F: CTCTTCAACCCAACCCG R: AGCAAACCTCTTCCACCACA	Bra039763
<i>TT8</i>	F: TAGATACACACATGGACATG R: TCTTTGACATTCTCAACTCTCCACGA	Bra037887
<i>PAL</i>	F: AGCAAACCTCTTCCACCACA R: CCATAACTATCAGTGCCTTTGC	Bra005221
<i>CHS</i>	F: CTTTCGTCTTCCGTCAAGCGTCTCA R: AAGTGTCCATCTATGGCACCGTCA	Bra008792
<i>CHI</i>	F: TCAAGTTGATTCCGTTACTTTTCCA R: ATGACGGTGAAGATCACAAACTTTC	Bra007142
<i>F3H</i>	F: CGAGCAGACTATCAATAG R: ATATCTCTACTCATCTTTCTC	Bra036828
<i>DFR</i>	F: GACGGCGTTTTCCACATAG R: TCCCCAACACTCCATTAC	Bra027457
<i>ANS</i>	F: GAAGACGAAACCATCCCGTGAGA R: TTAGCCAACCTTACTTCCATACC	Bra013652
<i>UFGT</i>	F: GTAATGTATCCGTGGTTAG R: GGTAAGAGGTTAAGAGGTT	Bra023594
<i>TT19.1</i>	F: CTTGTAGCCATTTGGTCAA R: GAGACTTGCCCCAAAAGGTTTCGT	Bra008570
<i>TT19.2</i>	F: TAGTCATCAAGCCCAGGTTAAGG R: CGACGCAAGCCGATTCTC	Bra023602

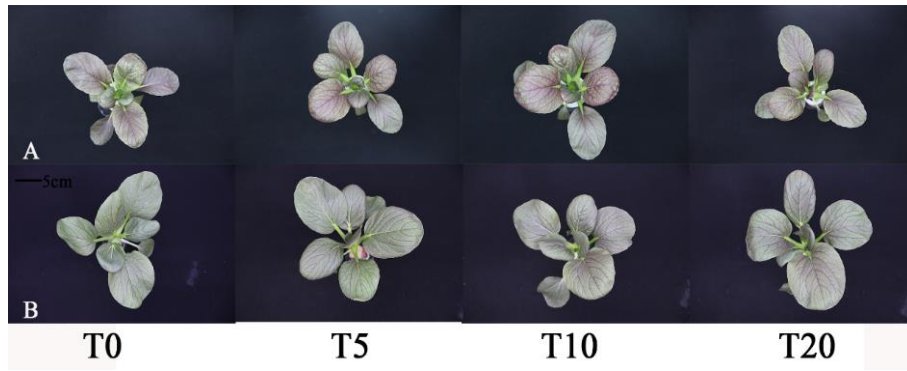


Figure S1. Effects of blue and UVA light on the canopies of red- (A) and purple-leaf (B) pak choi. T0, T5, T10 and T20 means 0 UVA with 50 B, 5 UVA with 45 B, 10 UVA with 40 B, 20 UVA with 30 B ($\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$), respectively.