

Description of Additional Supplementary Files

Supplementary Data 1. Abundance of annotated miRNAs in Col-0, *hyl1-2*, and *dcl1-24/hyl1-2* at 21 °C and 27 °C. Worksheet 2 shows the abundance of annotated miRNAs in 4-d-old Col-0, *hyl1-2*, and *dcl1-24/hyl1-2* grown under 50 $\mu\text{mol m}^{-2} \text{s}^{-1}$ R light at either 21 °C or 27 °C. miRNAs were quantified as reads per million 45S rRNA reads. Worksheets 3-6 show the fold changes of annotated miRNAs between the two temperatures within the same genotype or between two genotypes at the indicated temperature.

Supplementary Data 2. Transcriptome analysis of Col-0, *pif457*, *MIM156*, *hyl1-2*, and *dcl1-24/hyl1-2* at 21 °C and 27 °C. Worksheet 2 shows the transcript levels (FPKM) of expressed genes in 4-d-old Col-0, *pif457*, *MIM156*, *hyl1-2*, and *dcl1-24/hyl1-2* grown under 50 $\mu\text{mol m}^{-2} \text{s}^{-1}$ R light at either 21 °C or 27 °C. Worksheets 3-6 show the fold changes of expressed genes between the two temperatures within the same genotype or between two genotypes at the indicated temperature.