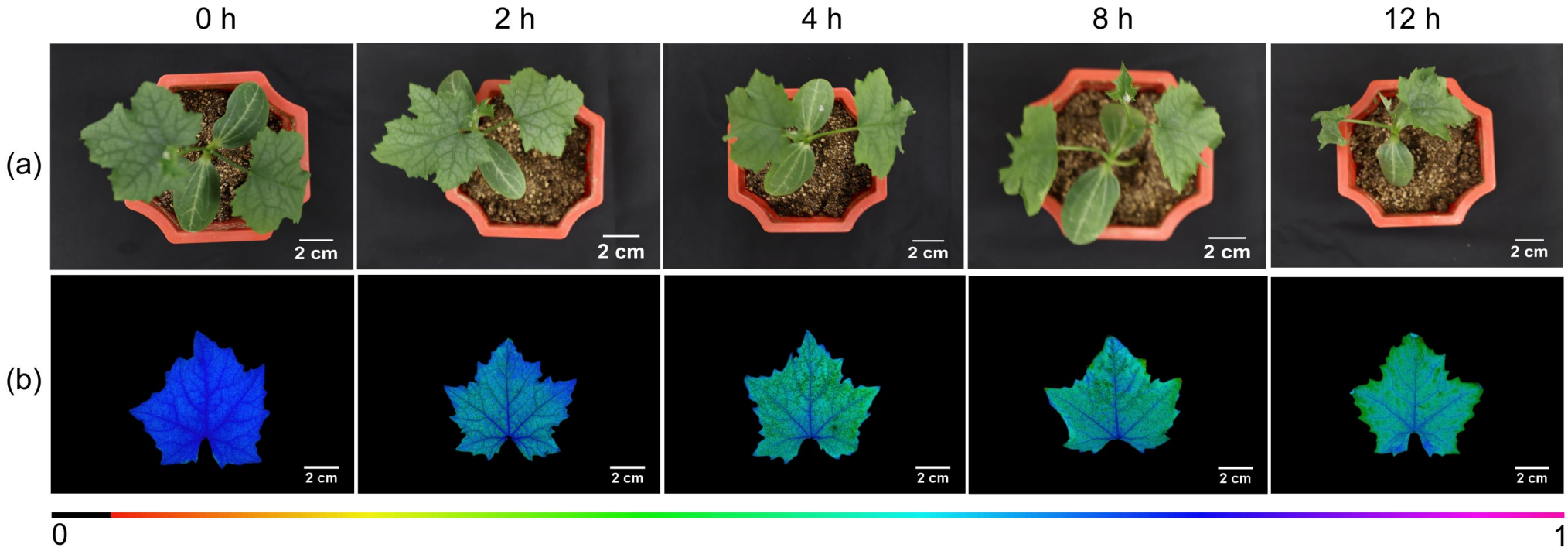


Figure S1. Effects of low-temperature stress on 2-week-old luffa seedlings. The Chlorophyll fluorescence imaging of two-week old leaves was performed by using a blue version of the max chlorophyll imaging system-IMAG-MAX (Walz, Germany), obtaining the maximal quantum efficiency of photosystem II (*Fv*/*Fm*): (a) The leaves of the luffa seedlings gradually wilted under low temperature (5°C) treatments (0h, 2h, 4h, 8h, 12h). (b) The response of *Fv*/*Fm* to low temperature stress, and the *Fv*/*Fm* values decreased gradually with low temperature treatments.