

SUPPLEMENTARY FIGURE 6 | Maize canopy structure throughout a day as a function of air temperature detected by the non-invasive real-time phenotyping platform. (A) Fluctuation of air temperature throughout the 52nd DAS directly reflected in canopy appearance as shown at (B) 8:00 am (21.35±0.35°C), (C) 11:00 am (28.90±0.30°C), (D) 12:00 pm (36.15±0.65°C), (E) 1:00 pm (45.35±1.05°C), (F) 4:00 pm (34.35±0.05°C), and (G) 6:00 pm (27.55±0.25°C). Plants were, on average, directly affected and had their leaves rolled inward and then straightened upright, as observed from panels C to G, an effect pronounced during the peak in panel E. Values are expressed as the mean ± SD. DAS, days after sowing; SD, standard deviation.