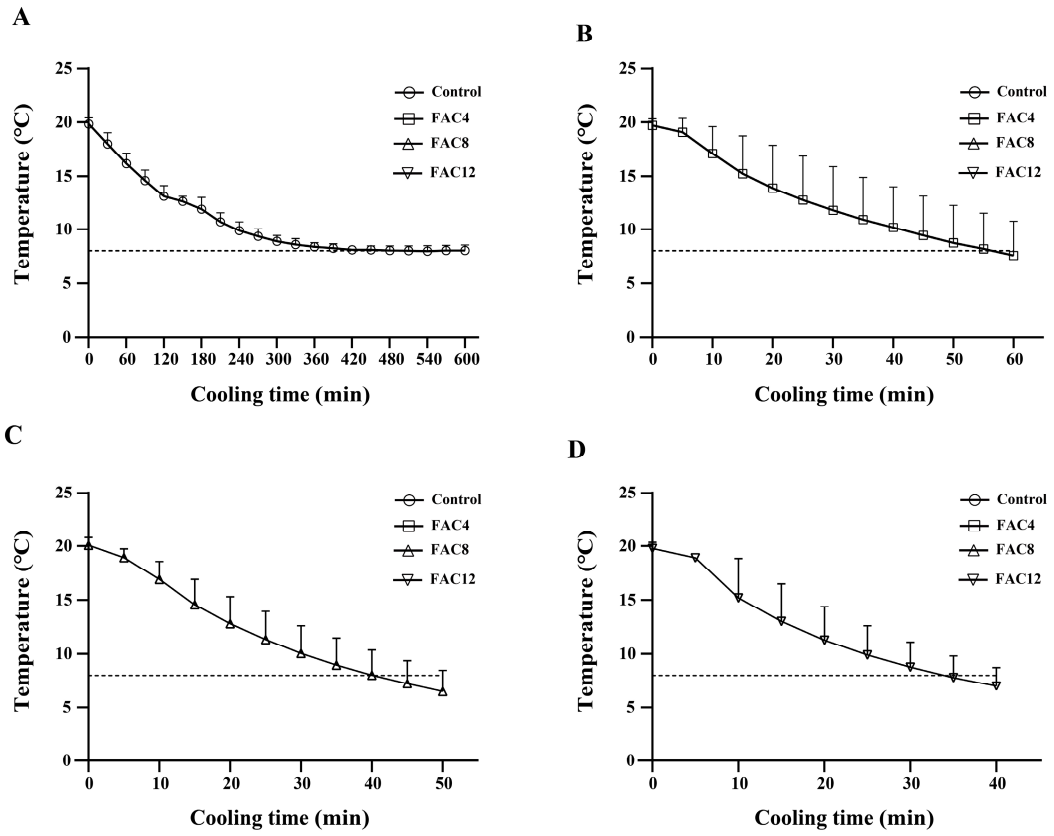


Figure S1. Cooling curves of cut roses under different precooling treatments. (A) The temperature in the control group. (B-D) The temperature in FAC4, FAC8, and FAC12, respectively. FAC4, FAC8, and FAC12 represent FAC using packaging boxes with vent hole diameters of 4 cm, 8 cm, and 12 cm, respectively. The dashed line indicates the set simulated transportation temperature for cut roses. Data are means ± SD (n = 3).

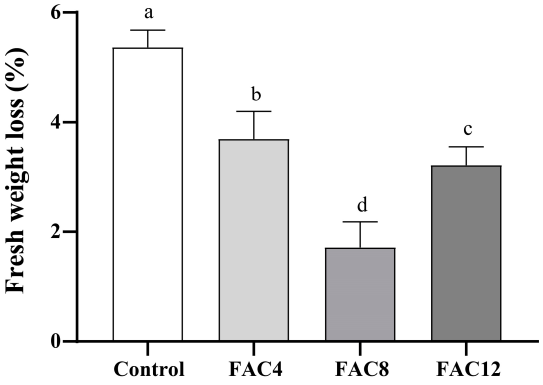


Figure S2. Fresh weight loss rate of cut rose leaves during simulated transportation. FAC4, FAC8, and FAC12 represent FAC using packaging boxes with vent hole diameters of 4 cm, 8 cm, and 12 cm, respectively. Data are means ± SD (n = 3). Lowercase letters denote significant differences according to one-way analysis of variance (ANOVA) and Duncan's multiple comparison test ($P < 0.05$).

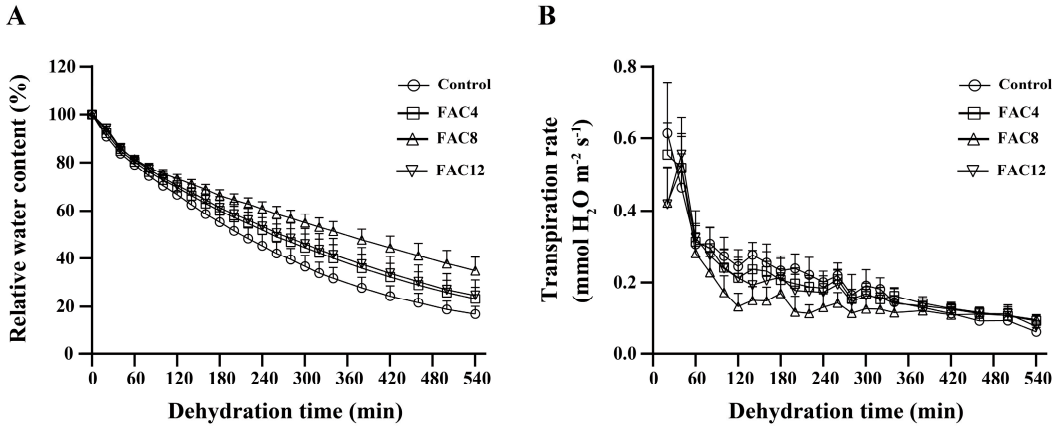


Figure S3. Relative water content and average transpiration rate of cut rose leaves during water loss treatment. (A) Relative water content. (B) Average transpiration rate. FAC4, FAC8, and FAC12 represent FAC using packaging boxes with vent hole diameters of 4 cm, 8 cm, and 12 cm, respectively. Data are means ± SD (n = 8).