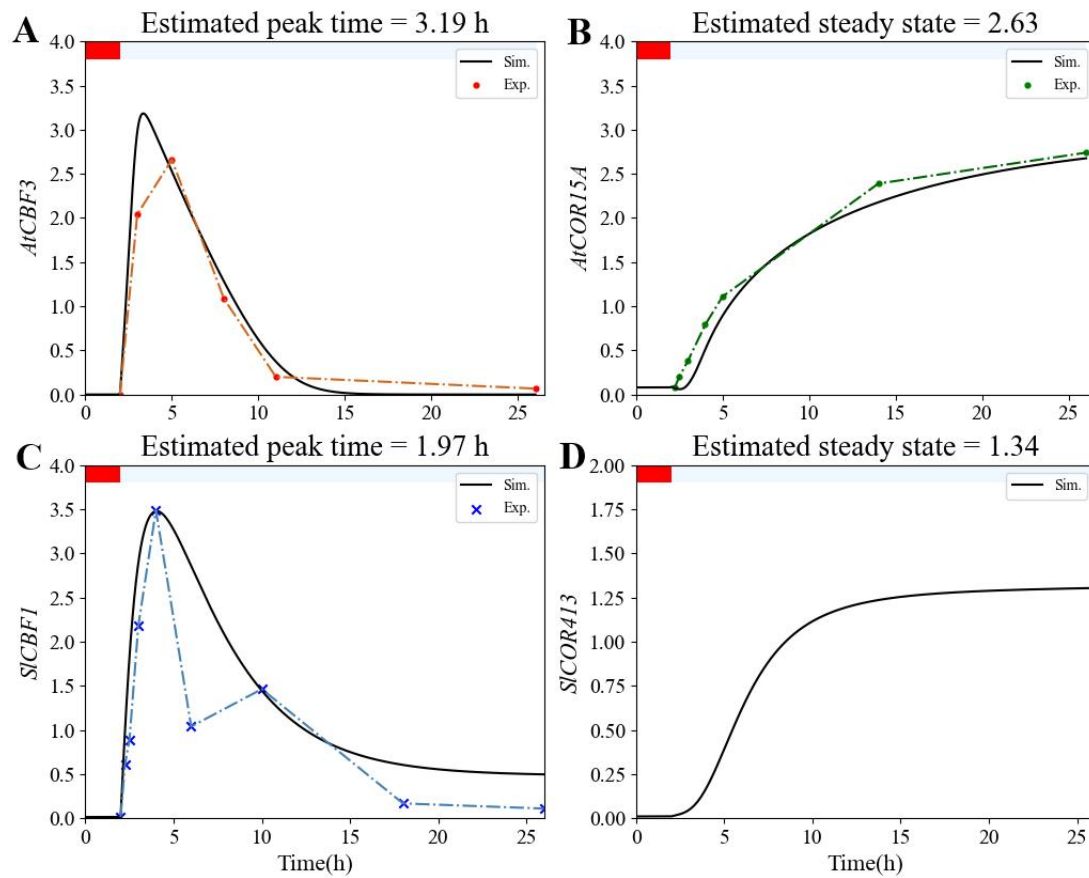




**Supplementary Figure 2. Temporal dynamics of simulated versus experimental data under different plant stress models.**

Panels (A) and (B) represent the *Arabidopsis* H2025 model, comparing simulation outputs with experimental observations. Panels (C) and (D) represent the tomato cold acclimation model, comparing simulation outputs with experimental observations.