

# High night temperature promotes downy mildew in grapevine via attenuating plant defence response and enhancing early *Plasmopara viticola* infection

YOSHINAO AOKI, ARISA USUJIMA, SHUNJI SUZUKI\*

Laboratory of Fruit Genetic Engineering, The Institute of Enology and Viticulture,  
University of Yamanashi, Kofu, Yamanashi, Japan

\*Corresponding author: [suzukis@yamanashi.ac.jp](mailto:suzukis@yamanashi.ac.jp)

## ELECTRONIC SUPPLEMENTARY MATERIAL (ESM)

The authors are fully responsible for both the content and the formal aspects of the electronic supplementary material. No editorial adjustments were made.

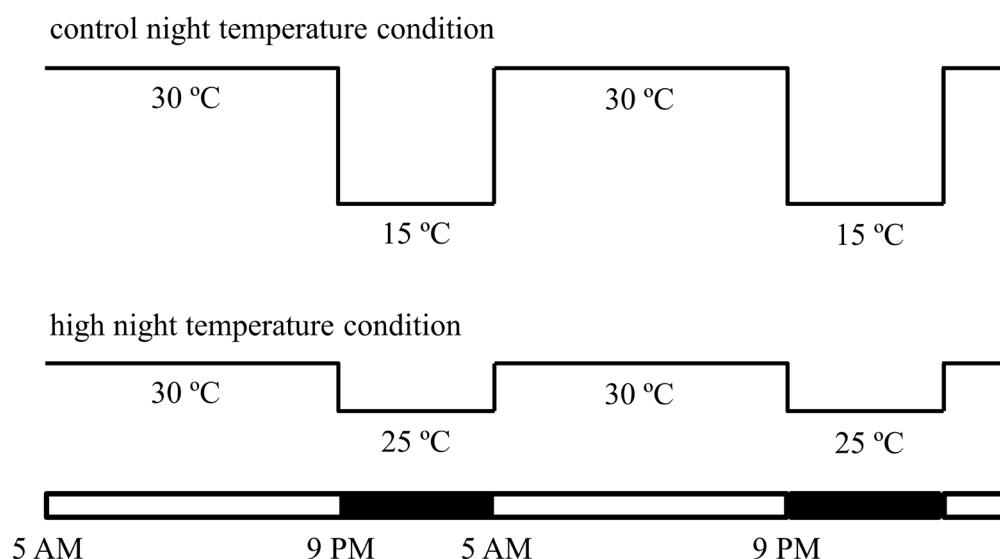


Figure S1. Schemes of the experimental conditions for high night temperature

Temperature was kept at 30 °C from 5 AM to 9 PM under light irradiation (11.8 W/m<sup>2</sup>) and at 25 °C from 9 PM to 5 AM in the dark for high nighttemperature condition. For control experiments, temperature was kept at 30 °C from 5 AM to 9 PM under light irradiation (11.8 W/m<sup>2</sup>) and at 15 °C from 9 PM to 5 AM in the dark