

Melatonin Mitigates the Infection of *Colletotrichum gloeosporioides* via Modulation of the Chitinase Gene and Antioxidant Activity in *Capsicum annuum* L.

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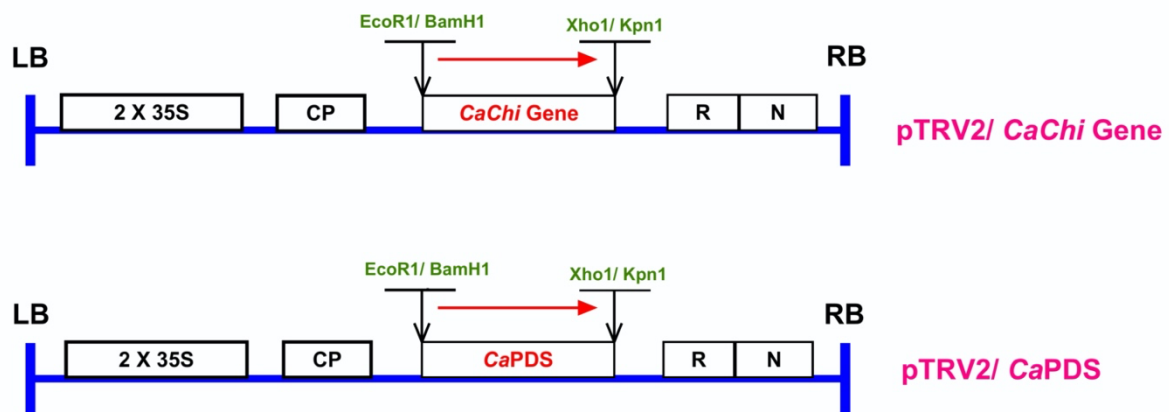


Figure S1. Virus induced gene silencing (VIGS) vector.

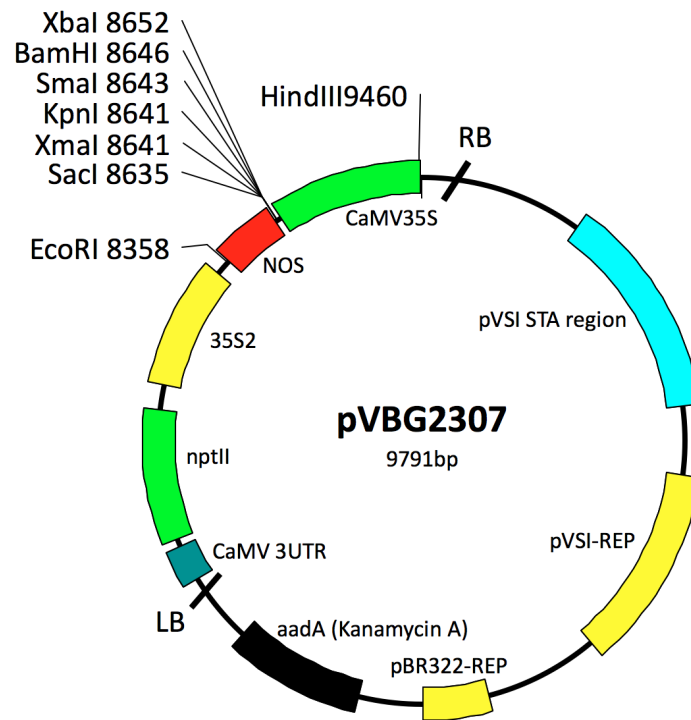


Figure S2. Overexpression vector pVBG2307.

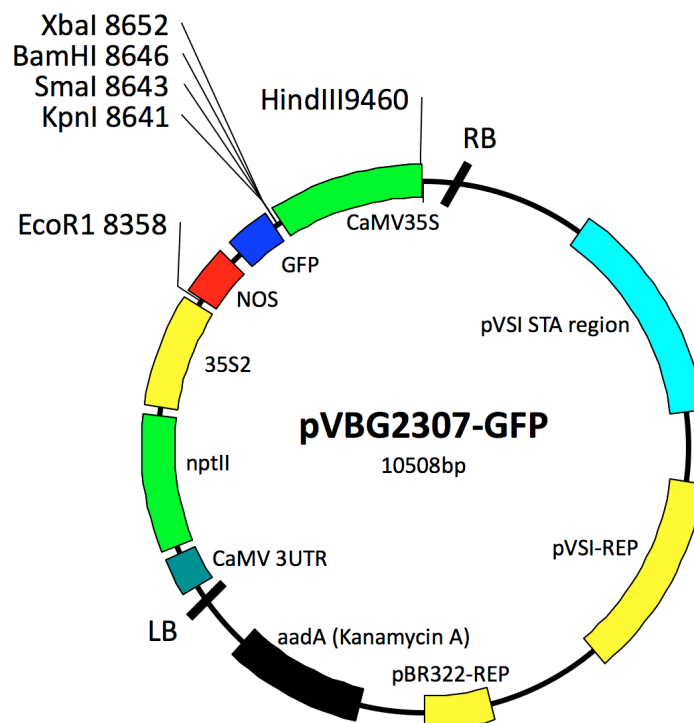


Figure S3. Subcellular localization vector pVBG2307-GFP

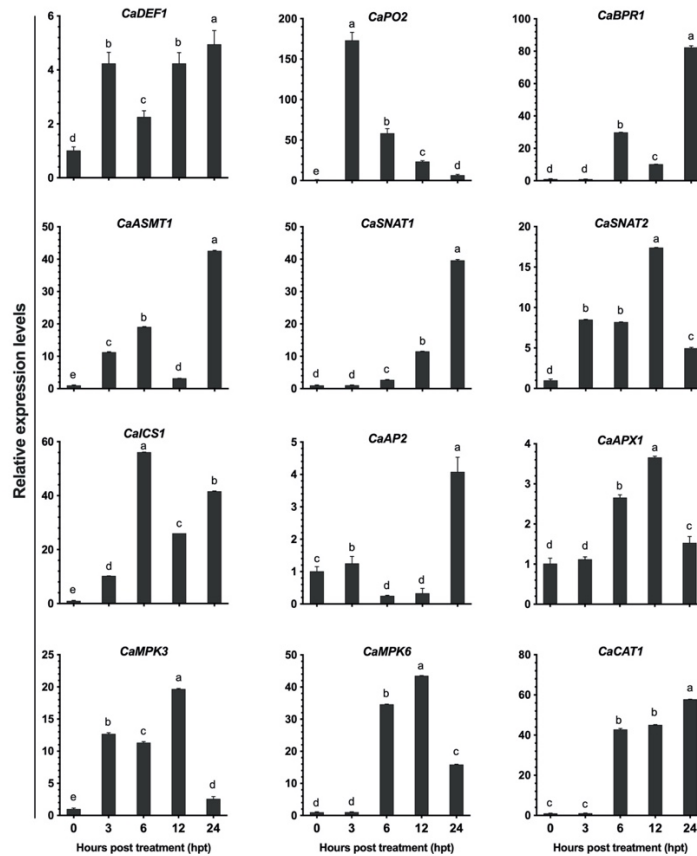


Figure S4. Effect of exogenous melatonin application on the expression levels of different genes. Tissues samples were taken at different intervals (0, 3, 6, 12, and 24-hours post-treatment) and were observed through qRT-PCR. The mean values \pm SDs of 3 replications are given. Lower case letters (a–f) on each histogram show the respective differences at $P \leq 0.05$ using the DMR test.



Figure S5. Representative phenotypes of pTRV2:*CaPDS* (positive control), pTRV2:00 (negative control) and pTRV2:*CaChIII2* (*CaChIII2*-silenced)