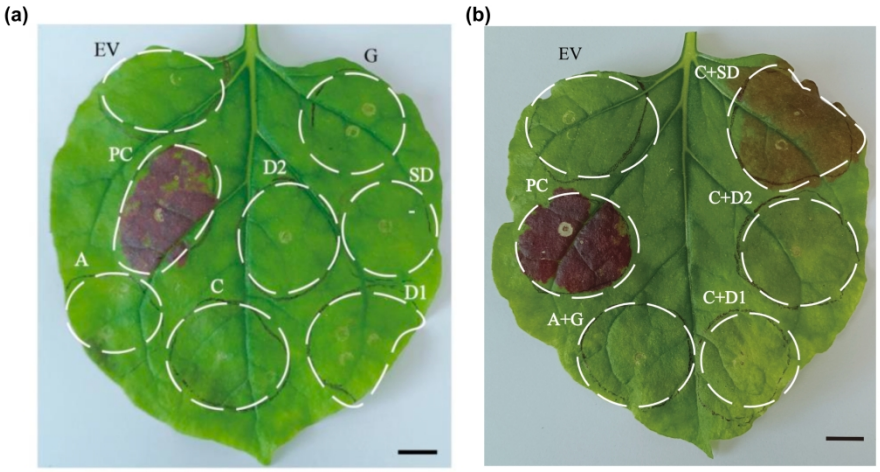

Supplementary Fig. S1. Controls for the transient co-expression assay in *N. benthamiana*. (a) Single-gene infiltrations with controls on one leaf: EV, empty vector (negative); PC, pYL1300H-CDGAeG, carrying *BvADH*, *BvCYP76AD1S*, *BvDODA1S* and *cDOPA5GT* together with *eGFP* under 35S promoters, as described previously [5]; A, *MhADH*; C, *MhCYP76AD1*; G, *MhcDOPA5GT*; SD, *MhSDODA*; D1, *MhDODA1*; D2, *MhDODA2*. No single gene produced visible pigment. (b) Co-expression of *MhCYP76AD1* with each DODA paralog on one leaf: EV, PC, C+SD, C+D1, C+D2 and A+G; only C+SD produced visible pigment. Scale bars, 1 cm.