Lavender's secret: Genetic regulator boosts plant health and fragrance output

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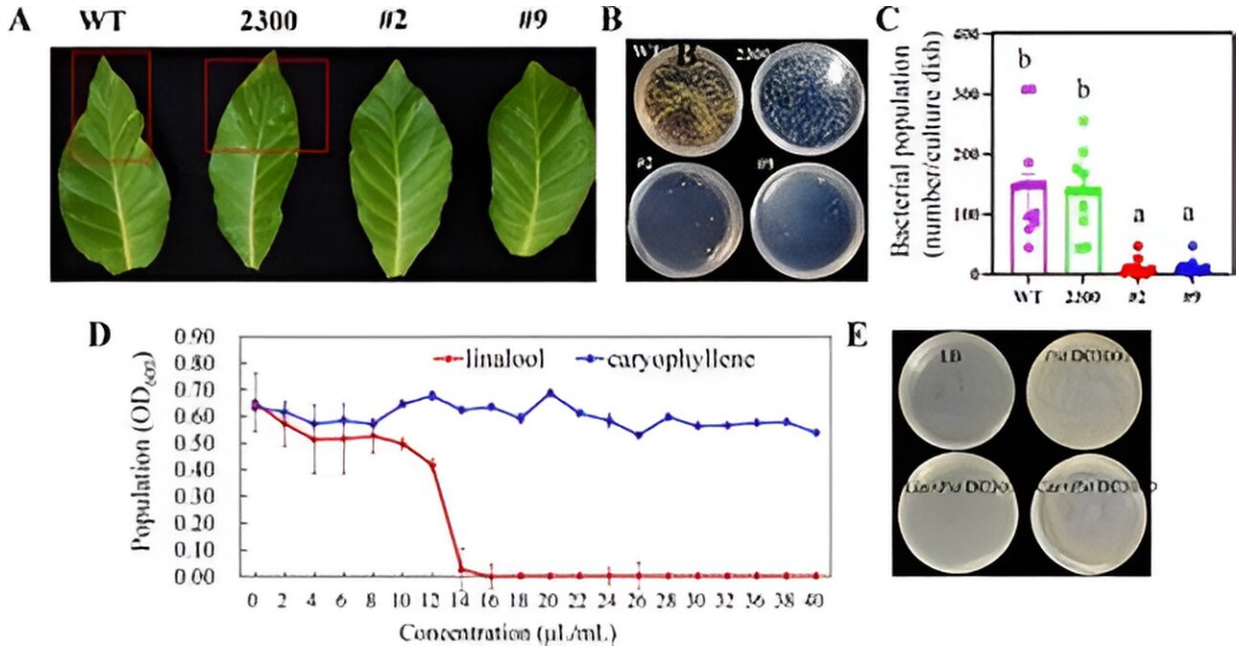

Analysis of the potential biological role of LaMYC7 for P. syringae. A, P. syringae infection of WT, 2300, and LaMYC7-overexpressing transgenic lines for 5 d for phenotype analysis. B, C, Bacterial population at 5 d in WT, 2300 and LaMYC7-overexpressing transgenic lines (#2, #9). D, E, Antibacterial activity of linalool and caryophyllene against Pst DC3000. LB, Empty lysogeny broth; Pst DC3000, 150 μl Pst DC3000 were dissolved in lysogeny broth medium; Lin + Pst DC3000, 150 μl Pst DC3000 were dissolved in lysogeny broth medium containing 18 $\mu l \cdot ml^{-1}$ linalool. Car + Pst DC3000, 150 μl Pst DC3000 were dissolved in lysogeny broth medium containing 18 $\mu l \cdot ml^{-1}$ caryophyllene. The numbers displayed are the average of at least three replicates (mean ± SD). Following an ANOVA, Fisher's LSD test revealed that bars labeled with various letters were substantially different (P