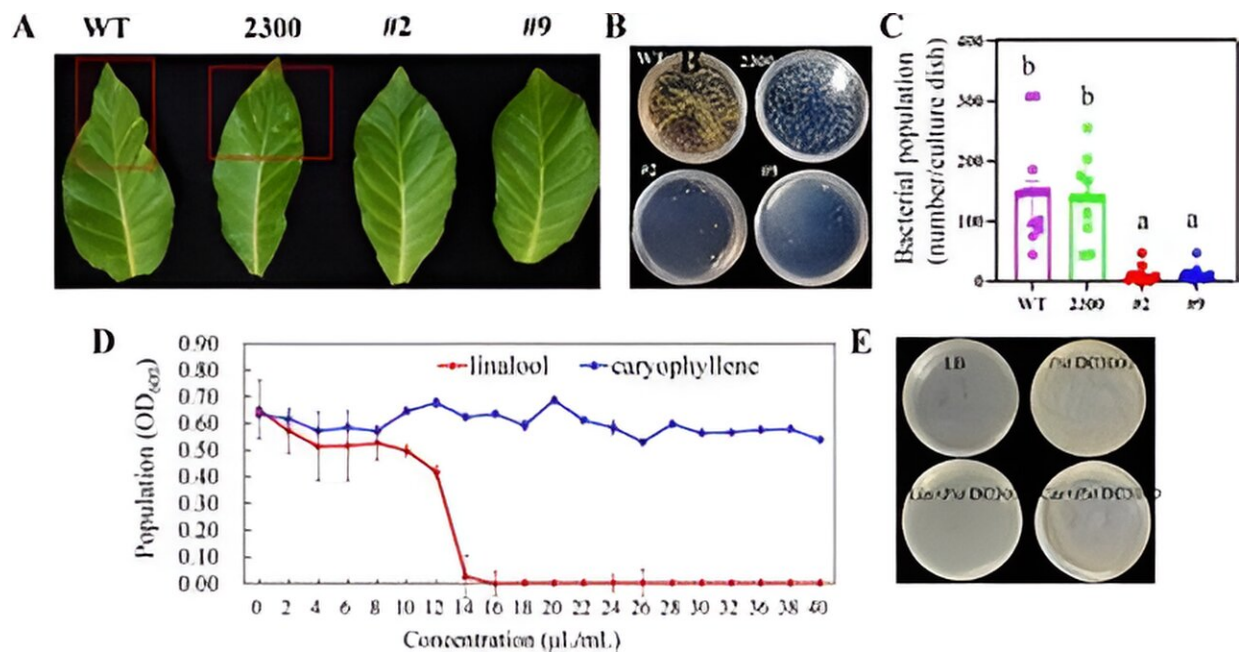


Lavender's secret: Genetic regulator boosts plant health and fragrance output

June 7 2024



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 μl·ml⁻¹ linalool. Car + Pst DC3000, 150 μl Pst DC3000 were dissolved in lysogeny broth medium containing 18 μl·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

Citation: Lavender's secret: Genetic regulator boosts plant health and fragrance output (2024, June 7) retrieved 23 June 2024 from <https://phys.org/news/2024-06-lavender-secret-genetic-boosts-health.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.