Leaf endophytes and host genotype in *Populus* affect severity of damage from the necrotrophic leaf pathogen, Drepanopiziza populi.

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Background

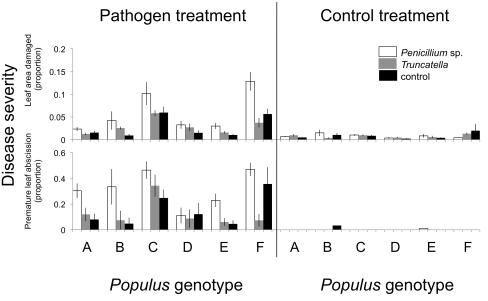
Fungal leaf endophytes and host plant • genotypes may interact to determine plant disease severity, but mechanism by which fungal leaf endophytes alter disease is unknown.

Science

- The interactions of different fungal endophytes. and Drepanopeziza populi were evaluated on the host plant, Populus angustifolia.
- Preliminary assessment of the mechanism of interaction, based on host gene expression across a range of defense-related genes was made.

Significance

this





Busby et al. Leaf endophytes and host genotype in Populus affect severity of damage from 1 Managed by UT-Battelle for the Department of Energine necrotrophic leaf pathogen, Drepanopeziza populi. Ecosphere. In Press.