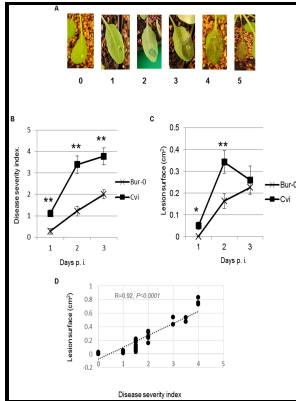


Study of quantitative variation in Arabidopsis thaliana

University of Birmingham - Induced mutations alter patterns of quantitative variation, phenotypic integration, and plasticity to elevated CO₂ in Arabidopsis thaliana



Description: -

-study of quantitative variation in Arabidopsis thaliana

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Induced mutations alter patterns of quantitative variation, phenotypic integration, and plasticity to elevated CO₂ in Arabidopsis thaliana

We note further that in biological data, multiple individuals may have the same genotype at all positions associated with the phenotype. Wang M, Zheng Q, Shen Q, Guo S.

Natural variation in Arabidopsis thaliana Cd responses and the detection of quantitative trait loci affecting Cd tolerance

For example, even short paths of one to two mutational steps were inaccessible in the three ion phenotypes potassium concentration, sulfur concentration, and boron concentration. Additional FRI haplotypes containing a premature stop-codons have been shown to encode nonfunctional FRI proteins Shindo et al.

Natural Variation in Arabidopsis thaliana

Genetic analysis of the difference in Cd tolerance between Col-0 and Bur-0 In order to assess whether the differences in Cd and Zn tolerance of seedlings are possibly linked, we initially analyzed 21 randomly selected RILs of the Bur-0 × Col-0 RIL population.

Epigenetic and epigenomic variation in Arabidopsis thaliana

Multiple loci and genetic interactions involving flowering time genes regulate stem branching among natural variants of Arabidopsis. This mechanism is typified by the transcriptional activation of FLOWERING LOCUS T FT by the transcription factor CONSTANS CO under inductive long-day conditions in Arabidopsis. Greenbury SF, Schaper S, Ahnert SE, Louis AA.

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