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# Cell cycle regulation in different leaves of *Arabidopsis thaliana* plants grown under control and cadmium-exposed conditions

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## HIGHLIGHTS

- Leaf position can be used as an alternative for leaf age in cell cycle analysis
- Concentrations of nuclei in leaf extracts are a proxy for effects on cell division
- Cadmium inhibits cell division and endoreduplication in *Arabidopsis thaliana* leaves
- Cadmium induces SIAMESE-RELATED gene expression in *Arabidopsis thaliana* leaves

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