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Title: AtBET5 is essential for exine pattern formation and apical meristem organization in *Arabidopsis*

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Title Page

AtBET5 is essential for exine pattern formation and apical meristem organization in *Arabidopsis*

Running title: *Arabidopsis* BET5 gene function

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Highlights

- Pollen grains of the *Arabidopsis atbet5* mutant reduced fertility.
- AtBET5 is involved in apical meristematic organization.
- Auxin response in root tip cells is altered by AtBET5.

Abstract

BET5 is a component of trafficking protein particle (TRAPP) which has been studied extensively in non-plant organisms where they are involved in membrane trafficking

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