

Supplemental Material to:

**Luis Alfredo Bañuelos Vazquez, Rosana Sanchez-Lopez,
Alejandra Hernandez-Barrera, Isaac Zepeda-Jazo, Federico
Sánchez, Carmen Quinto, and Luis Cárdenas Torres***

**Actin polymerization drives polar growth
in *Arabidopsis* root hair cells**

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Supplemental Video 1. Fluorescently labeled cytochalasin depict actin foci that localize at the tip region and experiment a dynamic behavior. Images in the sequence were subjected to low filtering with the methamorph/methafluor option. Images were taken 3 sec apart and movie speed has been increased 20X.

Supplemental Video 2. The highest fluorescent signal localize at the tip dome of the root hair cell. The fluorescent images were subjected to near neighbor deconvolution analysis in the methamorph/methafluor option. Images were taken 3 sec apart and movie speed has been increased 20X.