



Figure S5:

1 μ m thin sections of wild-type and double mutants ($\Delta miox1+2$; $\Delta miox4+5$).

A, B, and C, 10dpi syncytium section of wild-type, $\Delta miox1+2$, and $\Delta miox4+5$ respectively.

D, E and F, Root sections equivalent to 10dpi for wild-type, $\Delta miox1+2$, and $\Delta miox4+5$ respectively. No difference was observed in overall root anatomy.

Sections were cut and embedded in LR White (London Resin Company Ltd. Reading, England). After polymerisation, 1 μ m thin sections were cut using Leica Ultracut/ Diatome Diamond knife. Cellulose was stained using Calcofluor (0.2% in dH₂O) for 5 min, followed by 3 X washing with 1 X PBS and 1 X washing with dH₂O. Sections were examined under UV light using Axiovert 200M, Zeiss, Hallerbergmoos, Germany.