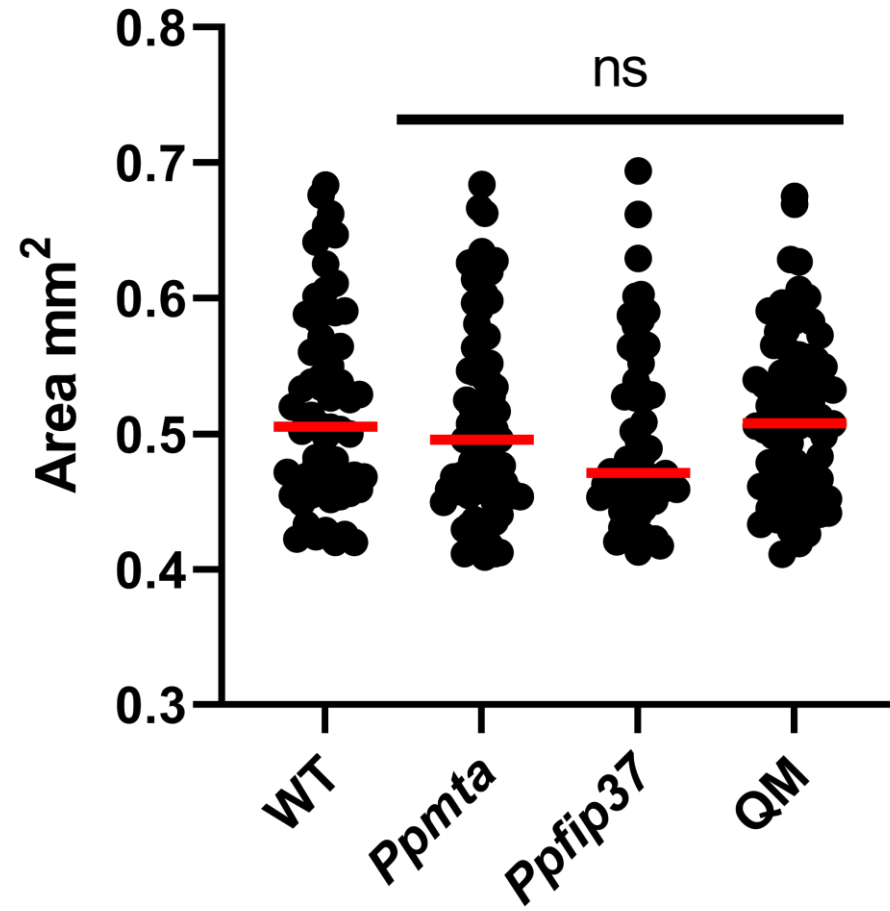


# 7d Protonema size



**Figure S2. Early protonema growth is not affected in the MTC mutant lines**

Protoplasts of the *Ppmta*, *Ppfip37*, quadruple mutant (QM: *Ppmta*, *Ppfip37*, *Ppmtb1* and *Ppmtb2*), and wild type lines were grown in PpNH<sub>4</sub> medium for 7 d. The protonema of all the lines was imaged, and growth analysis (in mm<sup>2</sup>) was measured using Image J and the MorphologyMacroPublicV2.6 command (Bibeau and Vidali, 2014). Individual plants are represented by black dots, median is shown as a red horizontal line. This experiment was repeated independently three times, with 10-15 plants per each of three technical replicates. ns: non-significant.