



FIGURE S4 Molecular analyses of α -MMC transgenic *N. benthamiana* plants. (a) Semiquantitative RT-PCR analysis of α -MMC expression in leaves of WT and transgenic lines OE-2 and OE-5. (b) Quantitative RT-PCR analysis of α -MMC expression in leaves of WT and transgenic lines OE-2 and OE-5. Bars represent mean and standard deviation of values obtained from three biological replicates. Asterisks represent significant difference determined by Student's t test (***) $P < 0.001$. (c) Western blotting analysis of α -MMC expression in leaves of WT and transgenic lines OE-2 and OE-5. Rubisco proteins were used as loading controls and were stained by Ponceau S. WT: nontransformed wild type *N. benthamiana* plants. OE-2 and OE-5: α -MMC -transgenic *N. benthamiana* lines