



**Fig. S10** Protein degradation assay of MdARF18 in response to nitrate. A cell-free assay to detect MdARF18 protein stability in the background of different nitrate concentrations. ACTIN was used as the control. WT and MdARF18-OE calli extracts were treated with DMSO or 50  $\mu$ M MG132, respectively, and then incubated for the indicated times (0,1,3, 5, and 7 h).