

**Supplementary Figure S1:** Effectsof different concentrations of melatonin on the phenotype of alfalfa. (A) Phenotypes after 5d of AlCl3 and melatonin treatment. Scale bar, 1cm. (B) Root length, data were means ± SE n=16. (C) Fresh weight of 4 alfalfa seedlings on a cotton ball, data were mean ± SE n=4.



**Supplementary Figure S2:** Transcript changes in cell wall-related genes induced by Al and melatonin.