



**Fig. S1** Phenotype of 6-week-old Arabidopsis seedlings grown on washed vermiculite potting medium and fertilized weekly with equal volumes of 1/2x MS medium containing either 3 mM N (1 mM  $\text{KNO}_3$  and 1 mM  $\text{NH}_4\text{NO}_3$ ), 0.4 mM N (0.13 mM  $\text{KNO}_3$  and 0.13 mM  $\text{NH}_4\text{NO}_3$ ), no nitrogen (- N) or 1 mM uracil (1 mM Ura) as the sole N source.