

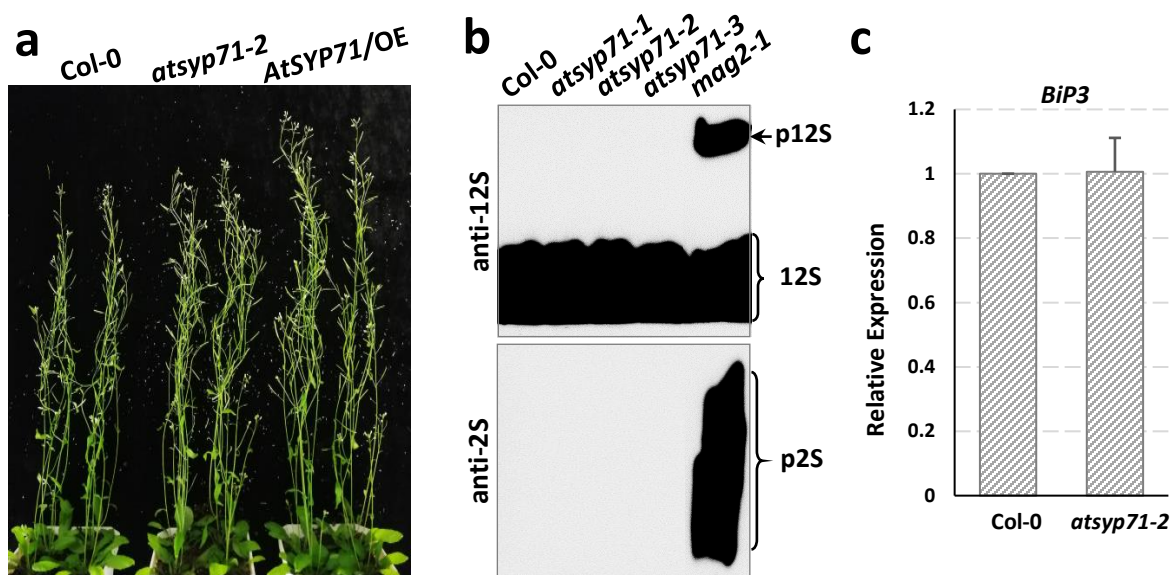


Fig. S1 Phenotypes of *atsyp71-2* and *AtSYP71/OE*. **a:** 60-day-old plants of Col-0, *atsyp71-2* and *AtSYP71/OE*. **b:** Detection of SSP precursors by immunoblot with anti-12S globulin and anti-2S albumin antibodies. The *mag2-1* seeds were used as positive control. **c:** qRT-PCR detection of expression of *BiP3*. 12S, pro12S globulin; p12S, precursors of 12S. p2S, precursors of 2S albumin.

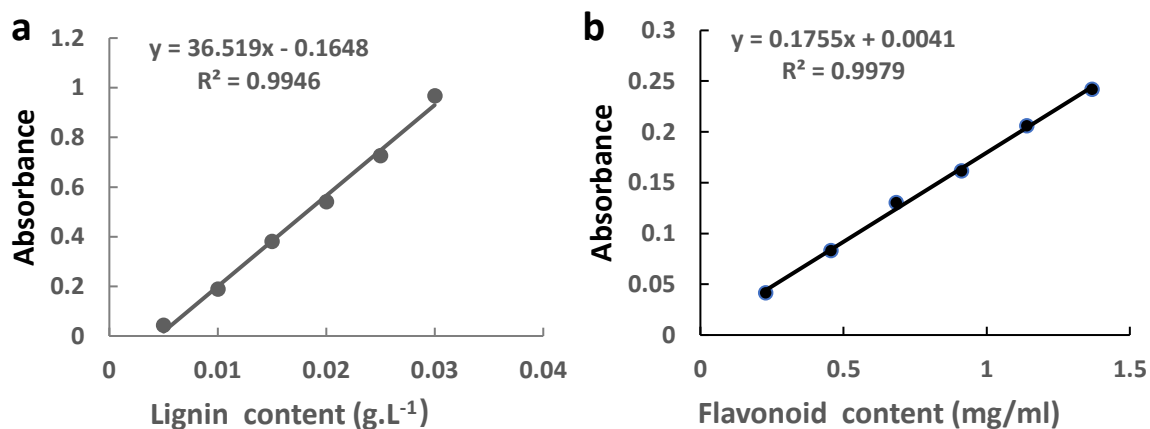


Fig. S2 Standard curves for lignin and flavonoids determination. **a:** Standard curve for determination of lignin content. **b:** Standard curve for determination of flavonoids content. Each measurement was repeated more than three times.