



S5 Fig. Representative images for the *PSY2L* knock-down amiRNA stable transgenic lines.

A, Five and **B**, eight weeks old plants showed differences between control plants (EV/Col-0) and the two amiRNA transgenic lines that were designed to knock down *PSY2L*. Although not dwarf as the *psy2l* (T-DNA knockout mutant), the amiRNA plants showed clearly delayed flowering, distinct leaf shape, and shorter roots. **C**, Mean primary root length of six days old seedlings which were allowed to grow vertically. Mean values and standard errors are depicted, n=30. Compared with the EV/Col-0 control, roots were significantly shorter in *psy2l* (SALK_048064) and both amiRNA lines, *p<0.001.