



Supplemental Figure 6. Molecular characterization of *At5g48370* T-DNA insertion mutant (SALK_122483) and phylloquinone analyses. (a) Structure of the *At5g48370* locus and location of SALK_122483 T-DNA insertion. RP, LP and LbB1 indicate the location of the genotyping primers, while RTfwd and RTrvs indicate that of the RT-PCR primers. (b) Genotyping PCRs of wild-type *Arabidopsis* plants (WT) and SALK_122483 homozygous T-DNA mutant. (c) Semiquantitative RT-PCR analyses. H₂O, water alone as template, -RT, controls for genomic DNA contamination performed without reverse transcriptase. (d) Phylloquinone content of wild-type and SALK_122483 homozygous T-DNA mutant leaf extracts. Data are means \pm SE of three biological replicates. Asterisks indicate that WT and SALK_122483 datasets are not significantly different by ANOVA using $p < 0.05$ as least significant difference (actual p value = 0.501).