



FIGURE 4 Phenotypic analysis of Arabidopsis WT, *s3h* knockout mutants and *s3h* transgenic plants expressing *ZmS5H* (1). a) SA levels in Arabidopsis leaves from 35-d-old WT, *s3h* mutants and *s3h* *ZmS5H* transgenic plants analyzed by LC-MS. Results represent the average of at least 6 biological replicates \pm S.E. from one experiment. Three independent experiments were performed with similar results. b) *ZmS5H* complements the susceptibility of Arabidopsis *s3h* mutant plants towards *Pseudomonas syringae* pv. tomato DC3000 (Pst). Leaf bacterial count at 0- and 3-days post infection (CFU: colony forming units). A bacterial suspension with OD600 = 0.1 (2.5×10^7 CFU mL⁻¹) was sprayed into the plant leaf. Data show mean values \pm S.E. of biological repeats from three different experiments (n = 10 for each biological experiment). Different letters indicate statistical significant differences applying one-way ANOVA (P < 0.05).