

1 **Supplementary Information**

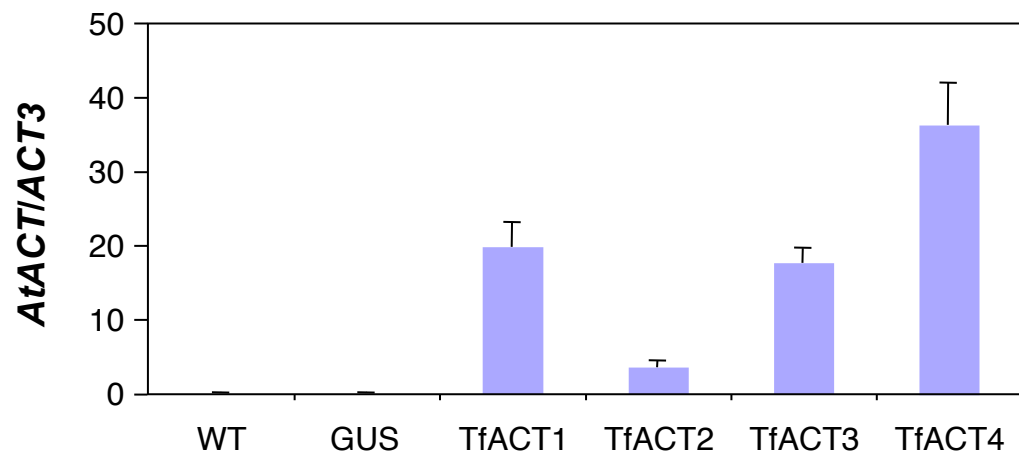
2 3 **Acquired immunity of transgenic torenia plants overexpressing agmatine** 4 **coumaroyltransferase to pathogens and herbivore pests**

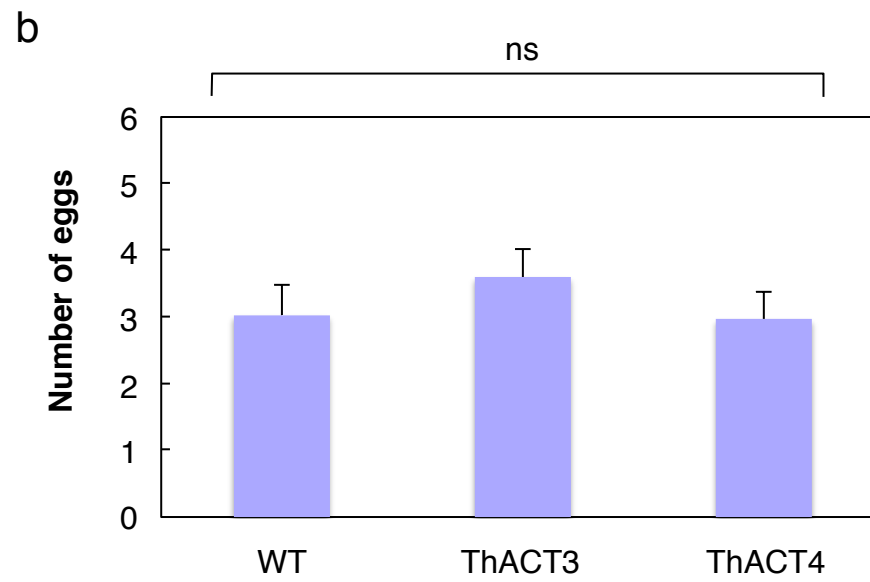
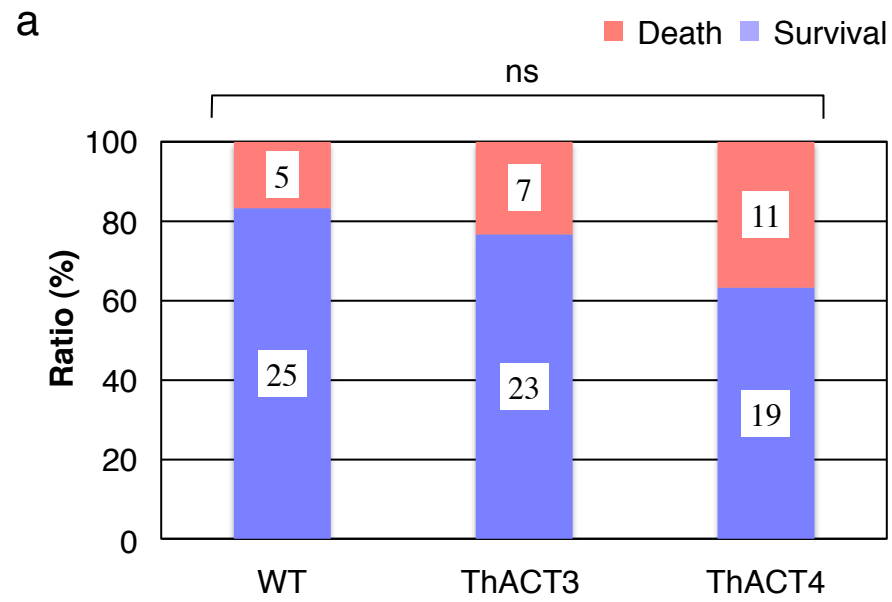
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6 Atsushi Muroi, Kenji Matsui, Takeshi Shimoda, Hirotomo Kihara, Rika Ozawa, Atsushi
7 Ishihara, Masahiro Nishihara, Gen-ichiro Arimura

8 9 10 **Supp. Figure 1. Relative mRNA levels of *AtACT* in leaves of transgenic torenia.**

11 Transcript levels of genes in leaves of wild-type (WT), GUS-transgenic control and ThACT
12 plants were normalized with respect to those of *ACT3* measured in the samples. Data
13 represent the mean + standard errors ($n = 4$).
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15 **Supp. Figure 2. Effects of HCAAs on mites.** (a) Survival of adult females (*T. ludeni*) on the
16 leaves of wild-type (WT), ThACT3 and ThACT4 lines 3 days after inoculation. ns, $P > 0.05$,
17 GLM-test. (b) Total number of eggs (mean + SE) produced during 3 days. ns, $P > 0.05$,
18 one-way ANOVA.
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Tetranychus ludeni