

## Supplement

**Table S1.** Analysis of variance (ANOVA) on the effects of different concentrations of *Akanthomyces attenuatus* and *Rickettsia* infection on the mortality of whitefly.

Age	Source	Df	F	p
1st	Concentration	4	87.47	<0.0001
	<i>Rickettsia</i>	1	120.33	<0.0001
	Concentration $\times$ <i>Rickettsia</i>	4	3.86	0.0176
2nd	Concentration	4	312.21	<0.0001
	<i>Rickettsia</i>	1	23.77	<0.0001
	Concentration $\times$ <i>Rickettsia</i>	4	9.06	0.0002
3rd	Concentration	4	126.43	<0.0001
	<i>Rickettsia</i>	1	41.95	<0.0001
	Concentration $\times$ <i>Rickettsia</i>	4	14.19	<0.0001
4th	Concentration	4	67.24	<0.0001
	<i>Rickettsia</i>	1	26.77	<0.0001
	Concentration $\times$ <i>Rickettsia</i>	4	7.92	0.0005

**Table S2.** Analysis of variance (ANOVA) on the effects of different concentrations of insecticide and *Rickettsia* infection on the mortality of whitefly.

Insecticide	Age	Source	Df	F	p
Imidacloprid	2nd	Concentration	6	113.77	<0.0001
		<i>Rickettsia</i>	1	3.74	0.063
		Concentration $\times$ <i>Rickettsia</i>	6	0.83	0.059
	adult	Concentration	6	74.72	<0.0001
		<i>Rickettsia</i>	1	6.05	0.02
		Concentration $\times$ <i>Rickettsia</i>	6	1.58	0.19
Spirotetramat	2nd	Concentration	6	220.59	<0.0001
		<i>Rickettsia</i>	1	37.97	<0.0001
		Concentration $\times$ <i>Rickettsia</i>	6	2.98	0.022
	adult	Concentration	6	43.41	<0.0001
		<i>Rickettsia</i>	1	4.06	0.054
		Concentration $\times$ <i>Rickettsia</i>	6	0.66	0.68