

Table S4A. Overall treatment effect for differences in *Heliothis virescens* female sex pheromone between *Serratia entomophila* injected (n=38), non-injected (n=38) and PBS-injected (n=25) females.

MANOVA	df (degree of freedom)	Pillai's trace	Approximate F	Pr(>F)
Treatment	2	0.31	3.45	0.00035
Residuals	98			

Table S4B. Effect of treatment on individual compounds of *Heliothis virescens* female sex pheromone tested with ANOVAs and LS-means pairwise comparisons (with Tukey adjustment) for compounds with treatment effect of $P < 0.05$. SER: *Serratia entomophila*-injected (n=38), NON: non-injected (n=38), PBS: PBS-injected (N=25)

ANOVAs, individual compounds				LS means pairwise comparisons (Tukey adjusted)			
Compound	df	F value	Pr(>F)	Comparison	df	t-ratio	P-value
14:ALD	2	2.08	0.13	SER-NON		-1.40	0.35
				SER-PBS	98	-1.95	0.13
				PBS-NON		0.71	0.76
Z9:14:ALD	2	0.61	0.55	SER-NON		0.97	0.60
				SER-PBS	98	0.91	0.64
				PBS-NON		-0.05	0.64
16:ALD	2	1.05	0.36	SER-NON		-0.14	0.99
				SER-PBS	98	-1.36	0.37
				PBS-NON		1.23	0.44
Z11-16:ALD	2	1.47	0.24	SER-NON		1.67	0.22
				SER-PBS	98	1.08	0.53
				PBS-NON		0.40	0.91
Z11-16:OH	2	4.0	0.021*	SER-NON		2.82	0.016*
				SER-PBS	98	1.47	0.31
				PBS-NON		1.04	0.55

Table S4C. 16:ALD /Z11-16:ALD ratio in *Heliothis virescens* female sex pheromone. ANOVA for overall treatment effect and LS-means pairwise comparisons with Tukey adjustment between females of different treatment groups, SER: *Serratia entomophila*-injected (n=38), NON: non-injected (n=38), PBS: PBS-injected (n=25).

ANOVAs, individual compounds				LS means pairwise comparisons (Tukey adjusted)			
Tested Ratio	df	F-value	Pr(>F)	Comparison	df	t-ratio	P-value
16:ALD / Z11-16:ALD	2	6.74	0.0018**	SER-NON		2.45	0.042*
				SER-PBS	98	3.54	0.018**
				PBS-NON		1.36	0.37