Sex-specific consequences of an induced immune response on reproduction in a moth


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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.

<table>
<thead>
<tr>
<th>MANOVA</th>
<th>df (degree of freedom)</th>
<th>Pillai’s trace</th>
<th>Approximate F</th>
<th>Pr(&gt;F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment</td>
<td>2</td>
<td>0.31</td>
<td>3.45</td>
<td>0.00035</td>
</tr>
<tr>
<td>Residuals</td>
<td>98</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>ANOVAs, individual compounds</th>
<th>LS means pairwise comparisons (Tukey adjusted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compound</td>
<td>df</td>
</tr>
<tr>
<td>14:ALD</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Z9:14:ALD</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>16:ALD</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Z11-16:ALD</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Z11-16:OH</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Tested Ratio</th>
<th>df</th>
<th>F-value</th>
<th>Pr(&gt;F)</th>
<th>LS means pairwise comparisons (Tukey adjusted)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Comparison</td>
</tr>
<tr>
<td>16:ALD / Z11-16:ALD</td>
<td>2</td>
<td>6.74</td>
<td>0.0018*</td>
<td>SER-NON</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SER-PBS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PBS-NON</td>
</tr>
</tbody>
</table>