

**Table S1.** Number of bees positive and negative to the PER assay at 2, 24 and 48 h post training.

<b>Treatment</b>	<b>2 h</b>		<b>24 h</b>		<b>48 h</b>	
	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>	<b>Positive</b>	<b>Negative</b>
0 ng / $\mu$ l	187	84	161	110	90	181
$9 \times 10^{-4}$ ng / $\mu$ l	67	125	60	132	45	147
$4.2 \times 10^{-3}$ ng / $\mu$ l	51	123	40	134	28	146
$1 \times 10^{-2}$ ng / $\mu$ l	24	63	10	77	10	77
0 ng / $\mu$ l + <i>V. destructor</i>	22	18	12	28	7	33
$9 \times 10^{-4}$ ng / $\mu$ l + <i>V. destructor</i>	9	31	7	33	5	35
$4.2 \times 10^{-3}$ ng / $\mu$ l + <i>V. destructor</i>	4	15	1	18	2	17
$1 \times 10^{-2}$ ng / $\mu$ l + <i>V. destructor</i>	9	32	5	36	3	38