Attraction of *Rhodnius prolixus* males to a synthetic female pheromone blend

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**Supplementary Information**

**Selected SSR-traces**

Two sets of SSR-recordings are presented to exemplify the observations reported in the results section:

1. In most of the recordings (>90%) the amplitude of the spikes from firing neurons was much larger after stimulation than in the spontaneous activity of unstimulated neurons.

*Examples: Trace 1.*

2. Many different spike amplitudes were detected after stimulation, indicating that many neurons were active in each sensillum.

*Examples: Traces 1 and 2 (also see magnifications on page 2).*

3. The solvent control elicited a response in 16% of the recordings analyzed.

*Examples: Trace 1 and 2.*

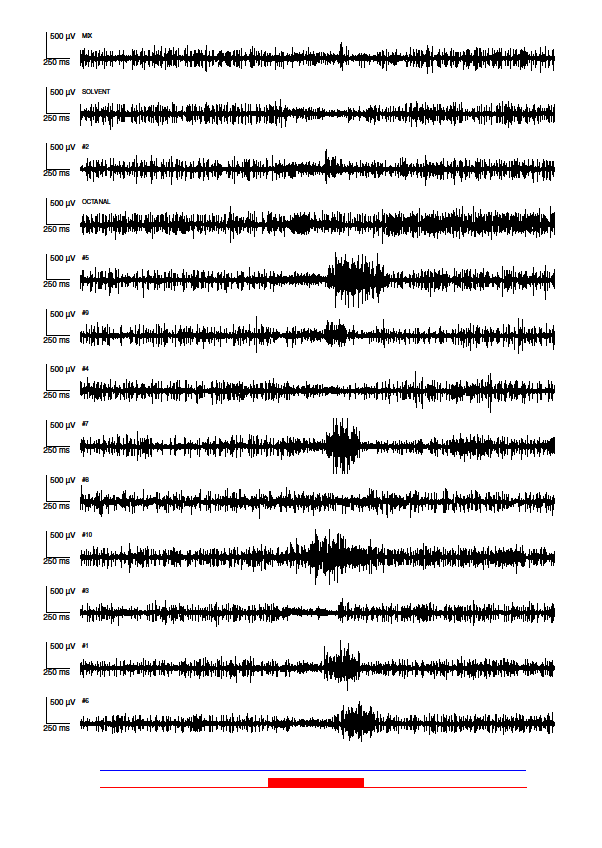
4. In some recordings, in which spontaneous neuronal activity was observed, some or all of the compounds inhibited firing

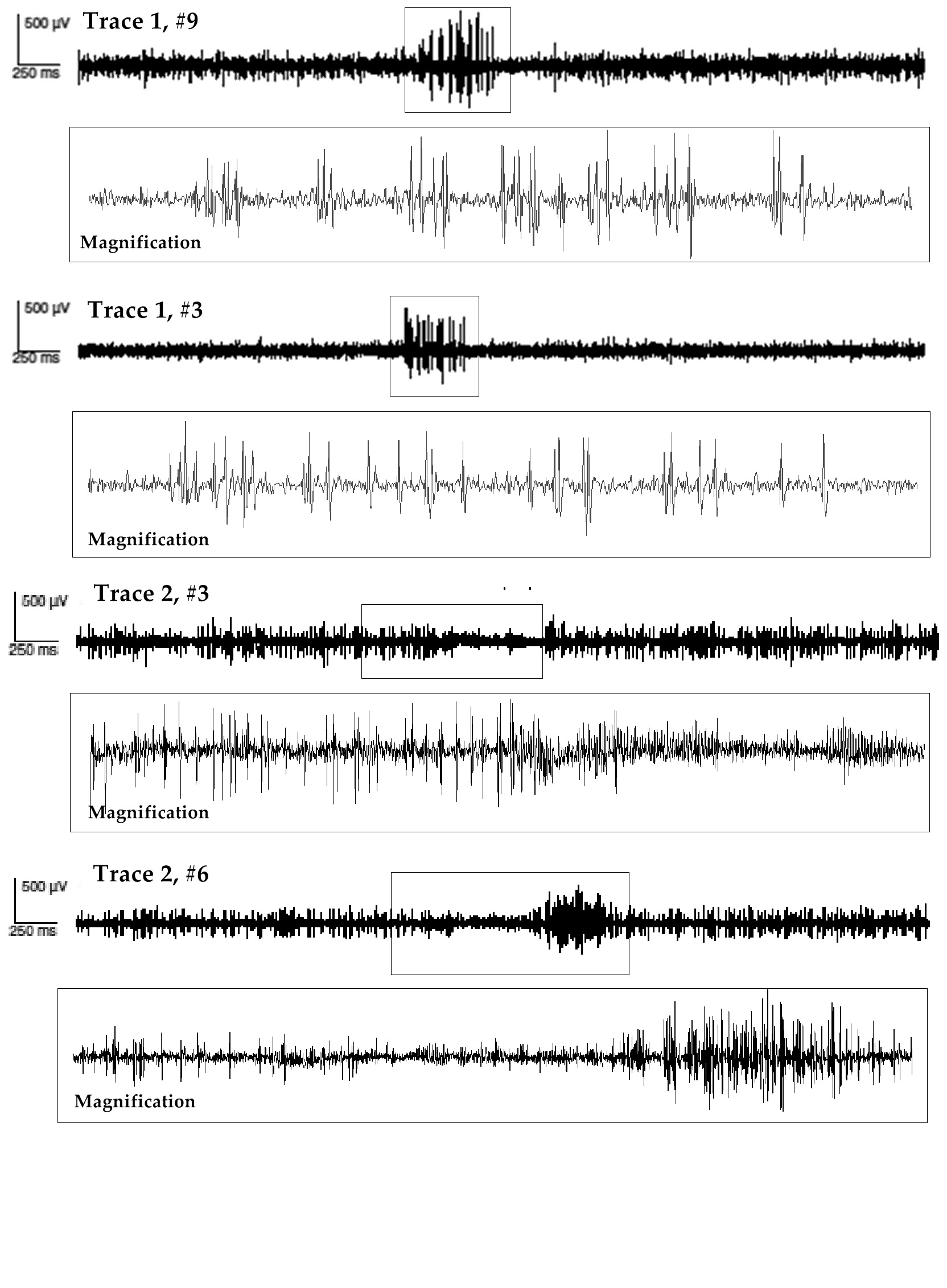
*Example: Trace 2 (also see magnification on page 2).*

**Trace 1**

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**Trace 2**

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