Supplementary Figure 1. Slow temporal patterns of projection neuron responses determine when projection neurons are co-active

The responses of all 117 projection neurons to a single pulse of each of two odorants are shown on both long (left) and short (right) timescales. Red bar on abscissa: odor delivery. Right: 1 s window beginning with the stimulus onset is expanded for each plot. Vertical gray lines indicate the 50 ms bins of projection neuron responses, each bin a "snapshot" of ensemble activity; for illustration purposes, a sine wave is included to emphasize binning is based upon oscillations generated by antennal lobe circuitry. The bins to which a projection neuron contributes spikes depend on the slow temporal firing patterns of the individual projection neuron odor responses.