Supplementary Figure 3  Scatter plots of the correlation index\(^5\) (CI) as a function of the inter-cell distance for each of the cell pairs recorded at P5. We chose to sample from the array with an inter-electrode spacing of \(~200\mu\text{m}\). Thus, a given cell’s signal only appeared on one electrode and the location could not be triangulated using the signals from neighboring electrodes. As a result, one can see clustering around particular inter-cell distances constrained by the electrode array geometry. An inter-cell distance of zero means that two or more cells were identified on a single electrode. The red trend line through the data points is a fit of an exponential CI=\(\text{Ae}^{-x/L}\). Raster plots of \(~20\text{ min}\) recordings are also shown for each age. Each row represents a separate electrode, with neighboring electrodes listed next to one another. Within each row, vertical lines represent a spike from the corresponding cell. The interval of time surrounding the wave event is shown in the red highlighted region in the bottom part of each figure.