Supplementary Fig. 3 Cell pairs between the visual cortex and hippocampus that had high correlation during RUN also had high correlation in POST, but not in PRE. (a, b) Cross-correlograms between a visual cortical cell and a hippocampal cell during PRE, RUN, and POST for two consecutive recording days (a: day 1, b: day 2). The cortical cell was the reference, meaning a positive peak indicates the hippocampal cell follows the cortical cell. The two cells shown here are the same as in Fig.3 in the main text. Bin size: 10 ms for PRE and POST; 100 ms for RUN. Dashed lines mark the time 0 lag. The cell pair had high correlation during RUN because they had overlapping firing fields (see Fig.3 in the main text). The cell pair were more correlated during POST than during PRE. This effect was repeatable across the two days.