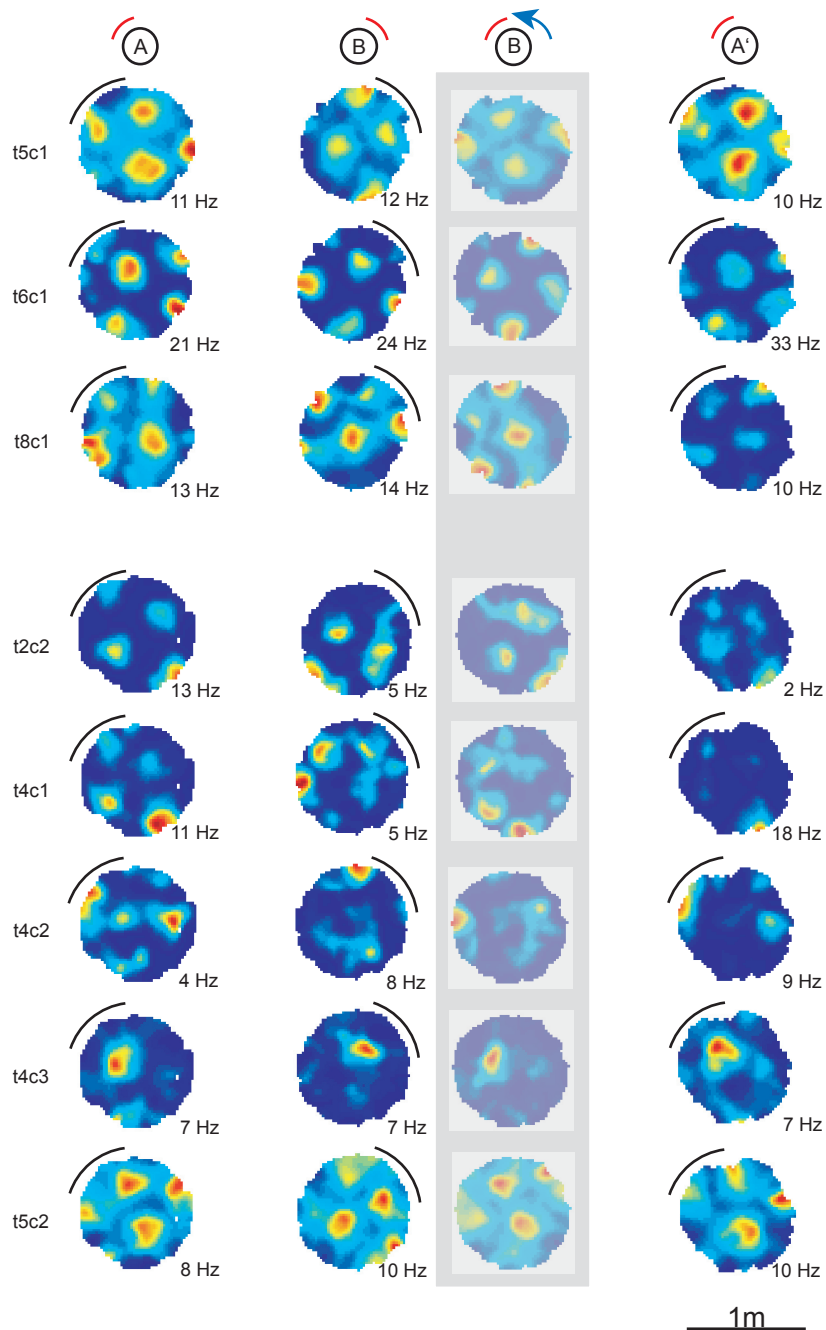


## Supplementary Figure S6



*Alignment of firing grids to environment-specific landmarks.* The figure shows trajectory and rate maps for the entire set of cells recorded from one rat during rotation of the cue card (arc) on the wall of the small recording cylinder. The first 3 cells and the last 5 were recorded on two different days. Left and right panels: Cue card in original position (A and A'). Middle pair of panels: Cue card rotated 90 degrees (B). The shaded map shows the map counter-rotated 90 degrees to facilitate comparison of pre- and post-rotation grids. The mean spatial correlation of the maps in A and B in this example was 0.07; after counter-rotation (as in the shaded column), the mean correlation increased to 0.59. The mean correlation between A and A' was 0.65.