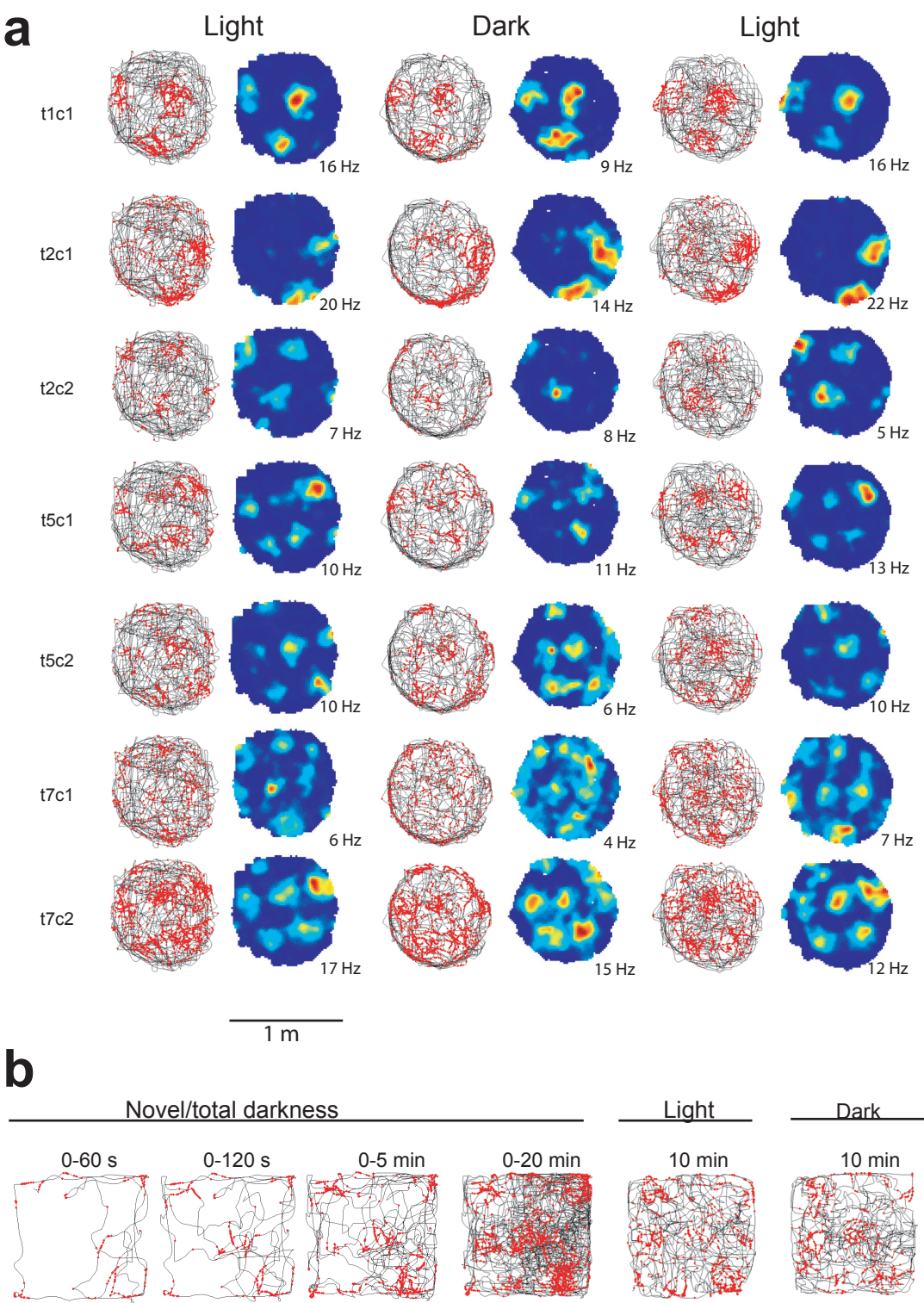


Supplementary Figure S7



*Grid activity after onset of darkness. **a***, Trajectory and rate maps for a complete sample of simultaneously recorded cells in dMEC on sequential tests in light and total darkness. Room lights were on for 10 min, off for the next 10 min, and on for the last 10 min. Cell t1c1 is the same as the one shown in Figure 4a. The data are from the same rat as those in Figure 2a-e. **b**, Trajectory maps showing that grid structure is present from the outset in a novel room in total darkness. The rat ran with lights off (20 min), on (10 min), and off (10 min).