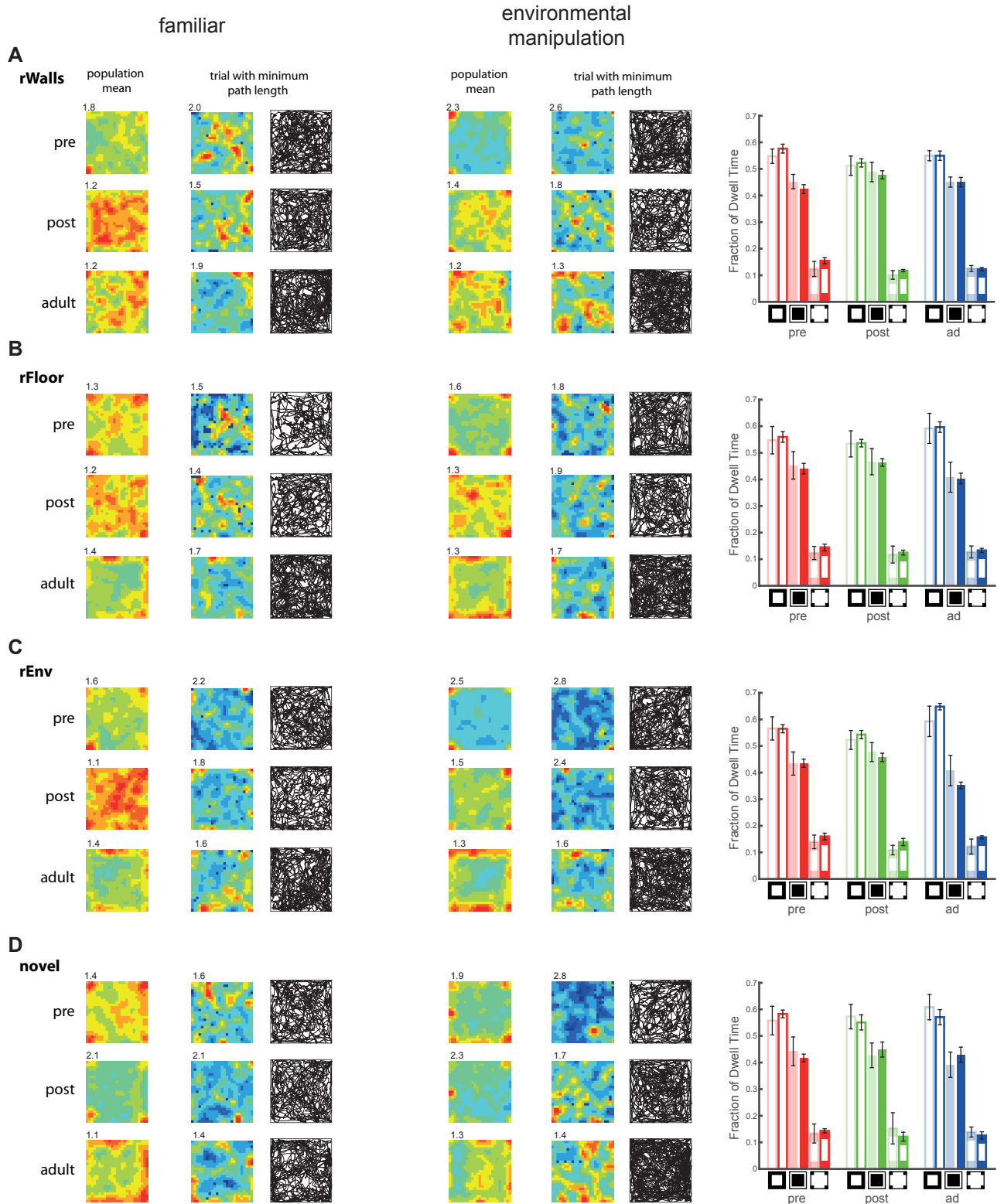


Supplemental Figure 7



Supplemental Figure 7. Position sampling of environment does not vary systematically between familiar trials and environmental manipulations.

Each row represents, from left to right, the mean position map of all familiar trials before the environmental manipulation and the position map and path of the familiar trial with the shortest path length. The remaining three columns show the same data for the environmental manipulation itself. Position maps are shown as false-colour heat maps and are constructed correspondingly to rate maps. Bar charts depict mean \pm SEM fractions of dwell time in three zones (schematic below bars indicates respective zone highlighted in black) of the environment (edge: all bins with distance <10 cm from nearest wall; centre: all bins with distance >10 cm from nearest wall; corner: all bins with distance <10 cm from the two nearest walls) for all three age groups (pre, post, ad). Data is shown for both familiar (pale colours) and environmental manipulations (bold colours). **(A-D)** Data for 'rWalls', 'rFloor', 'rEnv' and 'Novel' manipulation, respectively. For all ANOVAs (Trial \times Zone for each age group and environmental manipulation there is a main effect of Zone (all $p < 0.001$) but no effect Trial (all $p > 0.33$). All interaction effects are n.s. ($p > 0.12$), except for pre-weaners and 'rWalls' ($p = 0.046$; all $SME_{(Zone)}$ n.s.) and 'rEnv' and adults ($p = 0.002$; $SME_{(Edge)}/SME_{(Centre)} = 0.014$).