



Supplementary Figure 1. Functional parcellation of developing neocortex. **a**, Image of tdTomato mouse brain at P7. Notice most tdTomato expression is in thalamocortical axons within primary sensory areas and the appearance of individual whisker barrel rows (high magnification inset, bottom panel) in S1-barrel cortex. **b**, Overlay of parcellations with Allen Brain mouse atlas reference image. **c**, Time projection map of activity in barrel cortex. Notice individual whisker barrel activations at different time points during the recording.