

Supplementary Figure 1. Stability of firing rate and preferred direction during plan period. (A) Change in firing rate across 1000 reaches for all neuron-direction pairs for monkeys G and H. (B) Shift in preferred direction between first half and last half of trials.

Supplementary Figure 2. Linear model performance for Monkey G. ρ value indicates correlation between parameters predicted using each test epoch (abscissa) and final five minutes of behavior. Neurons are sorted by ρ value in epoch 1 on the ordinate. (A) X-position decode. (B) Y-position decode. (C) X-velocity decode. (D) Y-velocity decode.