



Supplemental Figure 1. Latencies for the first crossing of the phantom target platform during the probe trials. The latencies differed significantly between mutant and fNR1 control mice in the P4 partial-cue probe trials (t test, $P < 0.003$), while no such latency difference was observed in the P3 full-cue trials or P5 no-cue trials. These results suggest that the mutants are impaired in recalling the platform locations under partial-cue conditions. On the other hand, the observation that the latency of the control mice in P4 was similar to that in P3 indicates that the partial-cue removal does not affect animal's recall capability. These results corroborate the results in Fig. 5, F through I, and strengthen the evidence of the impaired pattern completion in the CA3-NR1 KO mice.