

Figure 4 Supplement 3

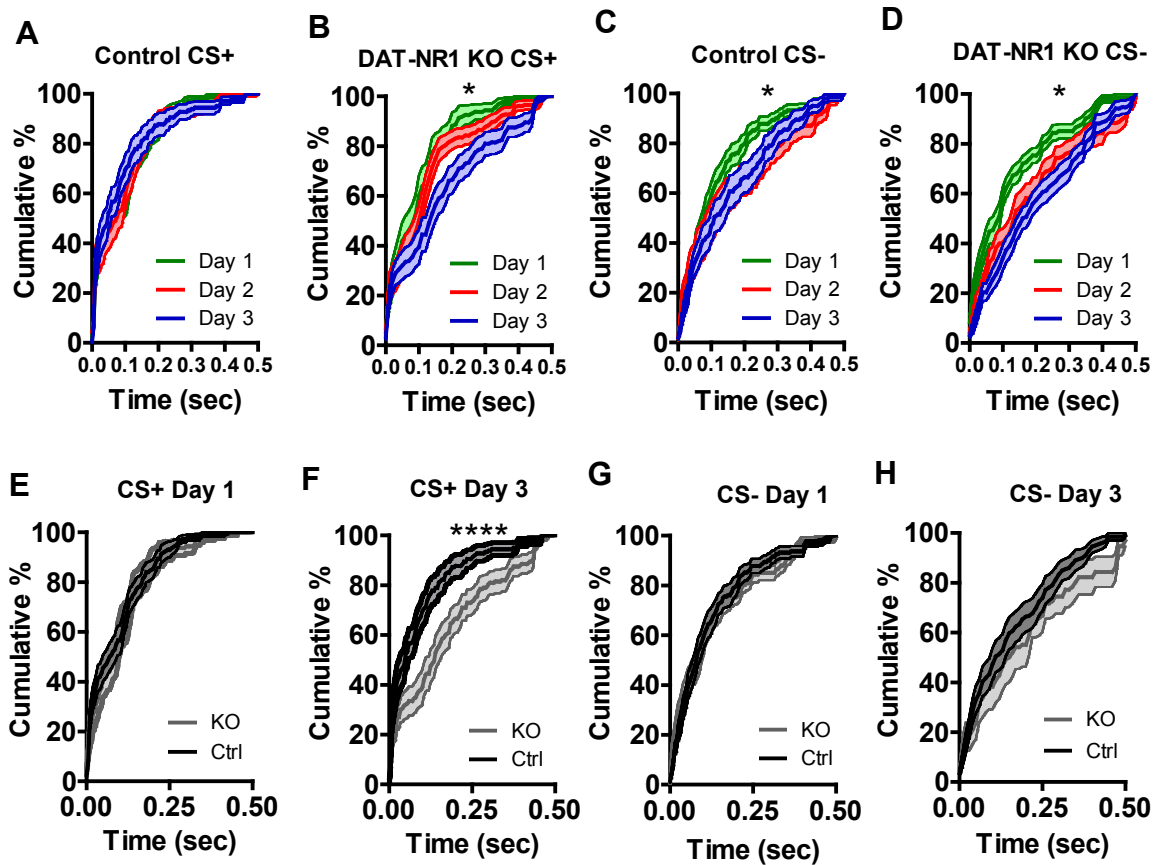


Figure 4 Supplement 3. Differential response latencies in CS activated neurons between control and DAT-NR1 KO mice. **(A)** Average cumulative distribution of latency to increase activity in response to CS+ presentation in control mice does not change across days. **(B)** Average cumulative distribution of latency to increase activity in response to CS+ presentation in DAT-NR1 KO mice decrease across days. **(C)** Average cumulative distribution of latency to increase activity in response to CS- presentation in control mice decrease across days. **(D)** Average cumulative distribution of latency to increase activity in response to CS- presentation in DAT-NR1 KO mice decrease across days. **(E)** Average cumulative distribution of latency to increase activity in response to CS+ presentation in control versus DAT-NR1 KO mice on day 1. **(F)** Average cumulative distribution of latency to increase activity in response to CS+ presentation in control versus DAT-NR1 KO mice on day 3. **(G)** Average cumulative distribution of latency to increase activity in response to CS- presentation in control versus DAT-NR1 KO mice on day 1. **(H)** Average cumulative distribution of latency to increase activity in response to CS- presentation in control versus DAT-NR1 KO mice on day 3. Average normalized firing rate of CS+ and CS- activated neurons in unpaired Ctrl mice on day 3 of conditioning. Data are presented as the mean \pm S.E.M. Repeated measures ANOVA, * $P < 0.05$, **** $P < 0.0001$, Bonferroni post-test.