



Fig. S5: To test the ability of CNO to activate a contextual representation in a novel unconditioned context, we fear conditioned mice off Dox to label shock-associated CtxB neurons and then tested in CtxA in the presence of CNO. Neither $hM3D^{fos}$ or control mice showed significant freezing in the novel unconditioned context in the absence or presence of CNO. $hM3D^{fos}$ $n = 6$, control $n = 6$. Repeated measures ANOVA genotype x CNO interaction $F(1,10) = 2.47$, $p = 0.147$