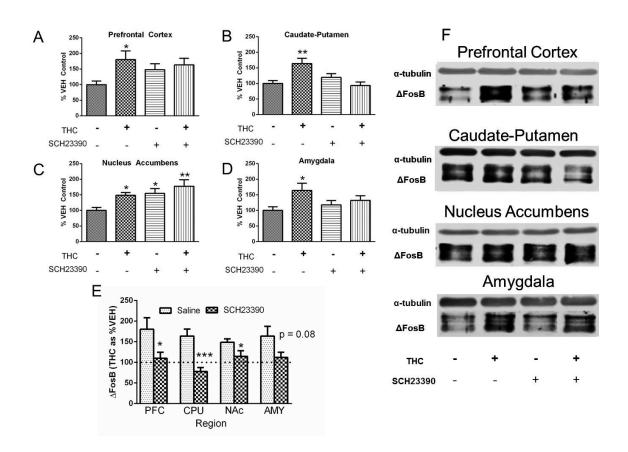
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Role of dopamine type 1 receptors and DARPP-32 in D^9 -THC-mediated induction of Δ FosB in the mouse forebrain

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Supplemental Figure 1. SCH23390 inhibits $\Delta FosB$ induction by repeated THC treatment but induces $\Delta FosB$ in nucleus accumbens. Mice were injected with the D_1R antagonist SCH23390 or saline followed by THC or vehicle as described in Methods, and $\Delta FosB$ expression was determined in the prefrontal cortex (A), caudate-putamen (B), nucleus

accumbens (C) and amygdala (D). Data are $\Delta FosB-ir/\alpha$ -tubulin-ir ratio, expressed as mean % saline/vehicle-treated mice \pm SEM (n = 7-8 per group). Panel E shows the comparisons of induction of $\Delta FosB$ by THC, with data expressed as mean percent vehicle in saline- and SCH23390-pretreated mice. Representative immunoblots are shown in F. ** p < 0.01, ***p < 0.001 compared to saline/vehicle mice (A-D); * p < 0.05 and *** p < 0.001 compared to saline by Student's T-test (E). PFC (prefrontal cortex), CPU (caudate-putamen), NAc (nucleus accumbens), AMY (amygdala).