



Supplementary Figure S5. THC induces BDNF expression in mouse corticostriatal slices. Mouse corticostriatal organotypic cultures were incubated for 24 h with vehicle or 0.5 μ M THC, and BDNF expression was determined in the striatum by Western blot and immunofluorescence analyses. **(a)** A representative blot is shown [$n=3$ experiments; mean optical density (O.D.) values relative to those of β -actin are given]. **(b)** A representative immunostaining is shown, together with the quantification of the relative values of BDNF-positive area/NeuN-positive cells ($n=3$ experiments). Data were analyzed using unpaired Student's t test. * $P<0.05$ from vehicle-treated slices.