



Supplementary Figure S8. The CB₁ receptor and BDNF are down-regulated in *post-mortem* caudate-putamen specimens of HD patients. (a) Quantification by immunofluorescence analysis of CB₁/BDNF expression in control subjects (n=7) and HD patients (grades 3-4; n=9). Representative images of CB₁ receptor and BDNF immunostaining in 2 control subjects and 2 HD patients are shown. (b) Western blot analysis of BDNF and pCREB expression in control subjects (n=5) and HD patients (grades 3-4; n=4). Quantification of mean ± SEM optical density (O.D.) values relative to those of β-actin as well as representative blots of 4 control subjects and 3 HD patients are shown. Data were analyzed using unpaired Student's *t* test. ***P*<0.01 from the corresponding control group.