





Fig. S2. Relative mRNA expression of (A) 5-HT_{1A}, (B) 5-HT_{1B} and (C) 5-HT_{2A} in the midbrain of WT and MOAP-1^{-/-} (KO) mice with or without 3d-RFSS treatment (n=3-4). Data are presented as Mean \pm SEM. No significant differences between either WT vs KO or Control vs Stressed. ANOVA, F= 4.910, 0.5047 and 2.774, respectively. Note: Although the F value for A is significant overall, the only significant difference occurred between the WT Control vs KO Stressed.

Supplementary Fig. S2







Fig. S4. Double immunostaining of (A) BDNF/TPH2 and (B) BDNF/TrkB receptor in the DRN of wildtype mice. Scale bars = $100 \ \mu$ m. No colocalization was observed.



Fig. S5. Cellular localization of TrkB in the DRN of wildtype mice. (A) Double staining of TrkB with NeuN showing colocalization. Scale bar = $100 \mu m$ (top) and $50 \mu m$ (bottom). White arrows indicate colocalization. (B) Double staining of TrkB with GFAP showing no colocalization. Scale as in A top panel. (C) Double staining of TrkB with Iba-1 showing no colocalization. Scale as in A top panel.

Supplementary Fig. S5