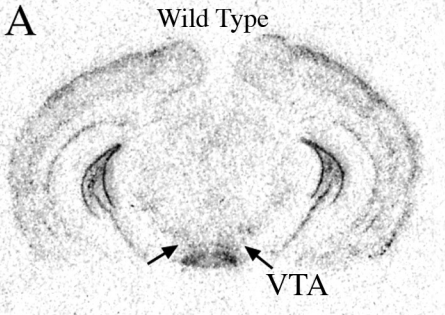
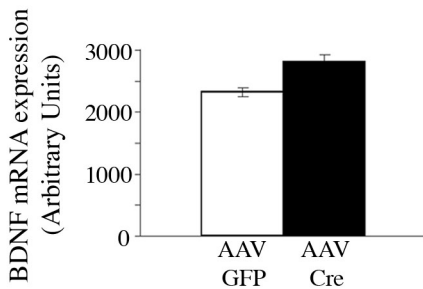
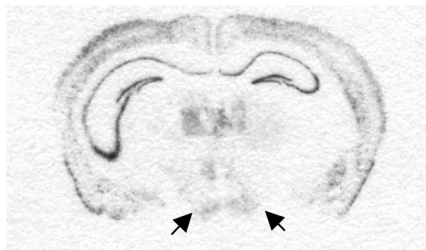


Suppl. Fig. 1

AAV-GFP

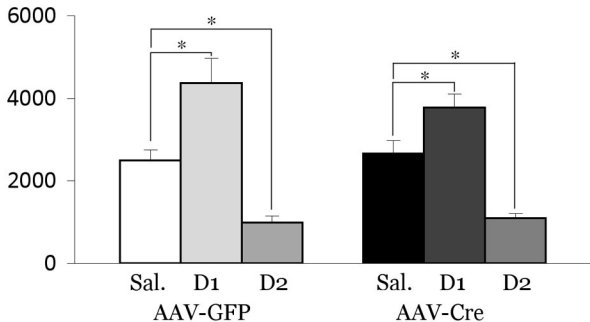


AAV-Cre



Supplemental Fig. 2

Beam Breaks



Supplemental Figure 3

Supplemental Figure Legends

Supplemental Figure 1. *In situ* hybridization analysis of BDNF mRNA expression in coronal brain sections from wild type (A) and BDNF^{2L/2LCk-Cre} (B). Arrows indicate the VTA.

Supplemental Figure 2. *In situ* hybridization analysis of BDNF mRNA expression in coronal brain sections from floxed *Bdnf* mice injected with AAV2/1-GFP or AAV2/1-Cre in the VTA (top panels) and densitometry of BDNF mRNA signal in the ventromedial hypothalamus of AAV2/1-GFP or AAV2/1-Cre-injected mice. There were no significant differences. Arrows indicate the ventromedial hypothalamus.

Supplemental Figure 3. Locomotor Activity of VTA-specific BDNF mutant mice. Measurements of locomotor activity of AAV2/1-GFP and AAV2/1-Cre-injected mice in their home cages 3 hours following a single injection of saline (Sal.), SK&F-81297 (D1) or Quinpirole (D2). *, $P < 0.05$.