

## SUPPLEMENTAL INFORMATION

### SNX27 regulation of GIRK channels in VTA dopamine neurons attenuates *in vivo* cocaine response

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#### Inventory of Supplemental Information:

1. Supplemental Table S1 (Related to Figure 1)

#### Supplemental Figure Legends

**Supplemental Table S1 (Related to Figure 1).** Intrinsic membrane properties, including membrane cell capacitance ( $C_m$ ), input membrane resistance ( $R_m$ ), resting membrane potential ( $V_{rest}$ ) and hyperpolarization current ( $I_h$ ) at -100 mV, were measured in VTA DA neurons from control Dat-Cre<sup>+/-</sup> and SNX27DA KO mice. Fast IPSCs frequency and amplitude were measured in VTA DA neurons.