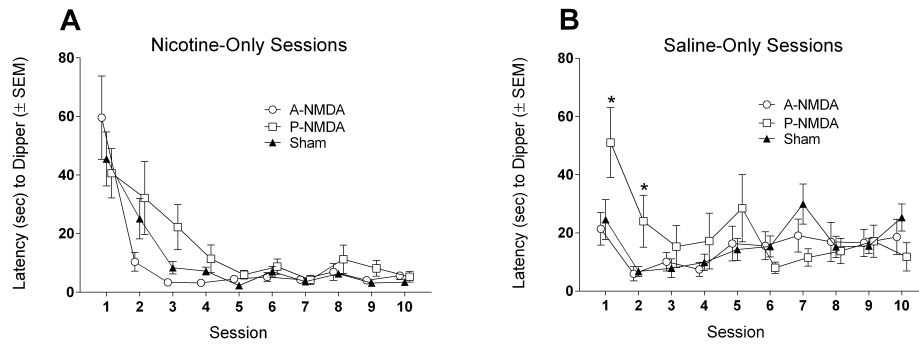# 1. Supplemental Materials
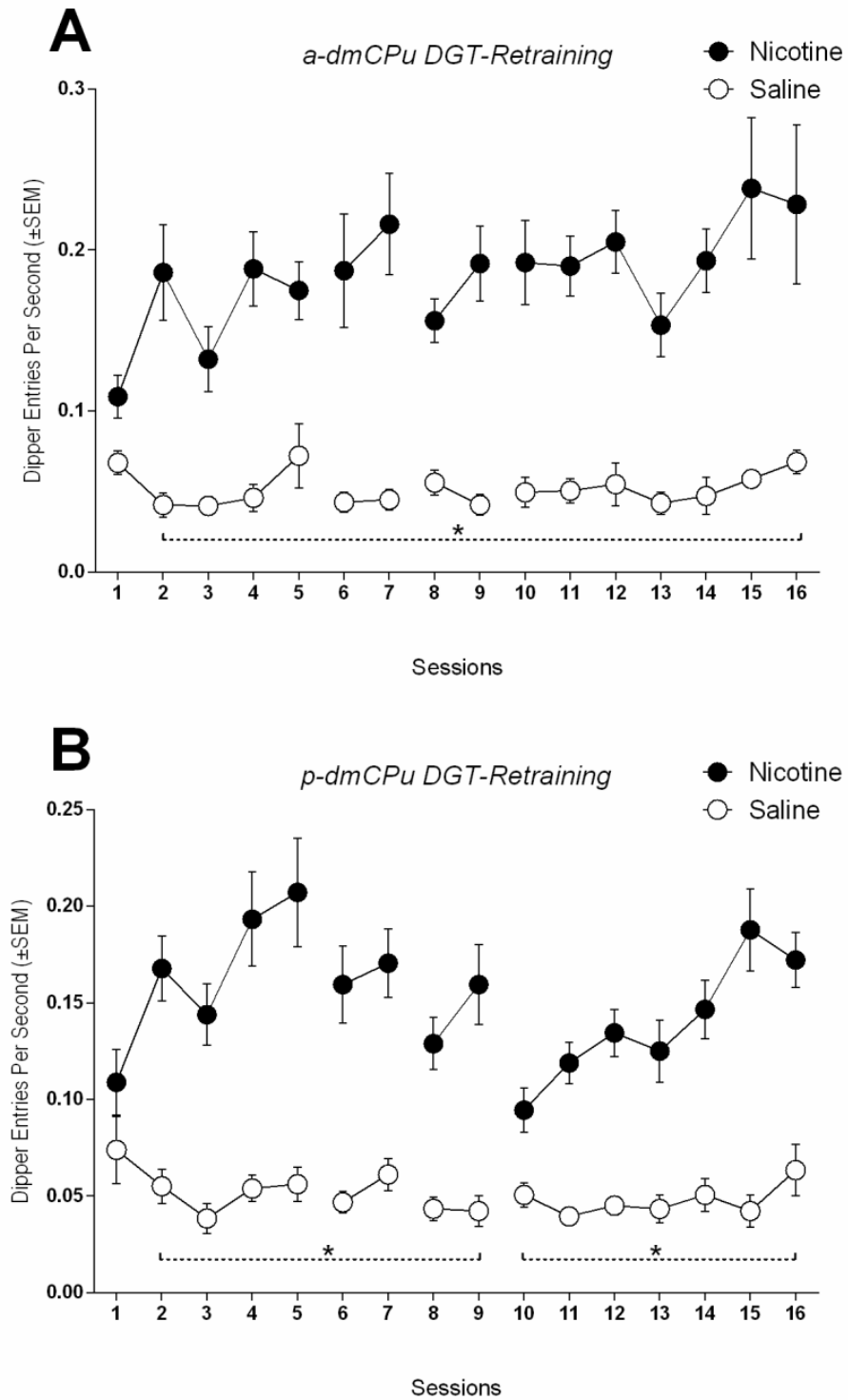
Supplemental Table 1: Statistical summaries from DGT retraining phases in Experiment 2.

| Retraining Block | Main Effects | | Interaction |
	Drug	Session	
a-dmCPu			
Retraining-1	**F(1,14)=60.52, p<0.001**	**F(4,56)=5.24, p<0.001**	**F(4,56)=5.24, p<0.001**
Retraining-2	**F(1,14)=23.71, p<0.001**	F(1,14)=4.27, p=0.05	**F(1,14)=5.86, p<0.05**
Retraining-3	**F(1,14)=66.49, p<0.001**	F(1,14)=1.09, p=0.31	**F(1,14)=7.91, p<0.05**
Retraining-4	**F(1,14)=44.01, p<0.001**	F(6,84)=2.88, p=0.05	F(6,84)=1.30, p=0.28
p-dmCPu			
Retraining-1	**F(1,14)=54.38, p<0.001**	**F(4,56)=5.14, p<0.01**	**F(4,56)=5.49, p<0.01**
Retraining-2	**F(1,14)=34.94, p<0.001**	F(1,14)=2.51, p=0.13	F(1,14)=0.007, p=0.9
Retraining-3	**F(1,14)=37.45, p<0.001**	F(1,14)=1.88, p=0.19	F(1,14)=3.19, p=0.09
Retraining-4	**F(1,14)=60.22, p<0.001**	**F(6,84)=8.04, p<0.001**	**F(6,84)=5.7, p<0.001**

Significant effects are in bold.

A

Nicotine-Only Sessions

B

Saline-Only Sessions

Supplemental Figure 1 : Latency to dipper (±SEM) during nicotine (A) or saline (B) sessions of Experiment 1.*Denotes significant differences from Sham controls.

Supplemental Figure 2 : Dipper entry rates (±SEM) during initial training phase (A) and a mean (±SEM) number of total dipper entries during nicotine or saline 4-min test following either distilled water (DW) or lidocaine (Lid) infusion into (A) a-dmCPu or (B) p-dmCPu. *Denotes significant differences between corresponding data points.