

Supplemental Table 1. Average inactive lever presses across last two days of self-administration and extinction and during reinstatement (mean \pm sem).

Experiment	Self-administration	Extinction	Reinstatement
Heroin dialysis	6.8 \pm 2.1	7.0 \pm 1.7	16.8 \pm 7.2
Heroin TTX dialysis	5.8 \pm 0.9	11.6 \pm 4.0	19.9 \pm 6.8
Yoked-heroin	4.2 \pm 1.1	N/A	N/A
Prelimbic infusions - dialysis	4.6 \pm 1.2	12.1 \pm 2.0	20.9 \pm 9.8
Cue - dialysis	6.5 \pm 1.6	10.6 \pm 2.9	8.1 \pm 2.4
CNQX	4.3 \pm 1.9	12.1 \pm 5.3	18.7 \pm 14.9
Fluphenazine	5.7 \pm 3.7	12.4 \pm 3.2	9.4 \pm 2.9
SCH	1.6 \pm 0.4	3.1 \pm 1.5	2.0 \pm 1.4
Sulpiride	1.3 \pm 0.5	16.6 \pm 5.7	7.3 \pm 4.4
Cue - fluphenazine + CNQX	5.8 \pm 1.2	3.3 \pm 0.4	5.7 \pm 2.9