

## Supplementary Online Material

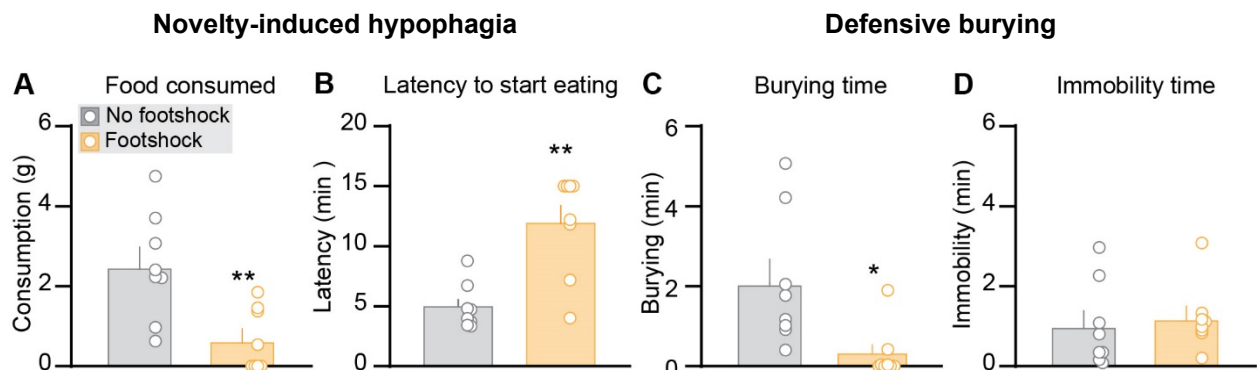
### Dissociation of incubation of cocaine craving and anxiety-related behaviors after continuous and intermittent access self-administration

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Supplementary figure 1

Supplementary Table 1

#### Supplementary Figure 1.



*Intermittent footshock-induced anxiety-related behaviors in the novelty-induced hypophagia and defensive burying tests.*

Novelty-induced hypophagia. **(A) Food consumed:** Mean  $\pm$  SEM grams of food consumed (no footshock, n=8; intermittent footshock, n=8). **(B) Latency to start eating:** Mean  $\pm$  SEM minutes to start (no footshock, n=8; intermittent footshock, n=8).

Defensive burying. **(C) Burying time:** Mean  $\pm$  SEM time of probe burying per min (no footshock, n=8; intermittent footshock, n=8). **(D) Immobility time.** Mean  $\pm$  SEM immobility time in minute (no footshock, n=8; intermittent footshock, n=8). Different from intermittent footshock \*  $p < 0.05$  and \*\*  $p < 0.01$ .

<b>Table S1. Statistical analysis (SPSS GLM repeated-measures module)</b>			
	<b>Factor Name</b>	<b>F-values</b>	<b>p-values</b>
Fig 1B Cocaine intake (acquisition)	Schedule (between) Session (within) Group X Session	$F_{1,16}=0.12$ $F_{6,96}=4.86$ $F_{6,96}=0.35$	0.73 0.0002* 0.91
Fig 1B Cocaine intake (training)	Group (between) Session (within) Group X Session	$F_{1,16}=52.80$ $F_{13,208}=8.69$ $F_{13,208}=1.12$	<0.0001* <0.0001* 0.35
Fig 1C Frequency of intake (acquisition)	Group (between) Session (within) Group X Session	$F_{1,16}=0.11$ $F_{6,96}=4.86$ $F_{6,96}=0.38$	0.74 0.0002* 0.89
Fig 1C Frequency of intake (training)	Group (between) Session (within) Group X Session	$F_{1,16}=75.54$ $F_{13,208}=4.98$ $F_{13,208}=1.85$	0.0001* 0.0001* 0.04*
Fig 1D Relapse test	Group (between) Abstinence day (within) Lever (within) Group X Abstinence day Group X Lever Abstinence day X Lever Group X Abstinence day X Lever	$F_{1,16}=16.39$ $F_{1,16}=33.15$ $F_{1,16}=38.84$ $F_{1,16}=0.03$ $F_{1,16}=1.26$ $F_{1,16}=37.60$ $F_{1,16}=0.98$	0.0009* <0.0001* <0.0001* 0.86 0.28 <0.0001* 0.34
Fig 1E Progressive ratio (final ratio)	Group (between)	$t_{15}=2.64$	0.02*
Fig 1E Progressive ratio (infusions)	Group (between)	$t_{15}=2.47$	0.03*
Fig 2A Food consumed	Group (between) Test order (between) Abstinence day (within) Group X Test order Group X Abstinence day Order X Abstinence day Group X Test order X Abstinence day	$F_{2,23}=1.25$ $F_{1,23}=0.71$ $F_{1,23}=43.68$ $F_{2,23}=0.57$ $F_{2,23}=0.35$ $F_{1,23}=0.48$ $F_{2,23}=0.44$	0.31 0.41 <0.0001* 0.58 0.71 0.49 0.65
Fig 2 B Latency to eat	Group (between) Test order (between) Abstinence day (within) Group X Test order Group X Abstinence day Test order X Abstinence day Group X Test order X Abstinence day	$F_{2,23}=0.74$ $F_{1,23}=0.65$ $F_{1,23}=6.75$ $F_{2,23}=2.53$ $F_{2,23}=0.27$ $F_{1,23}=0.55$ $F_{2,23}=0.59$	0.49 0.43 0.02* 0.10 0.76 0.47 0.56
Fig 3A Correlation food consumed and cocaine seeking day 1	Continuous access Intermittent access	$R^2=0.02$ $R^2=0.003$	0.66 0.91
Fig 3B Correlation food consumed and cocaine seeking day 21	Continuous access Intermittent access	$R^2=0.04$ $R^2=0.05$	0.58 0.34
Fig 3C Correlation food consumed and incubation scores	Continuous access Intermittent access	$R^2=0.17$ $R^2=0.16$	0.21 0.37
Fig 4A Correlation latency to eat and cocaine seeking day 1	Continuous access Intermittent access	$R^2=0.002$ $R^2=0.16$	0.88 0.36
Fig 4B Correlation latency to eat and cocaine seeking day 21	Continuous access Intermittent access	$R^2=0.009$ $R^2=0.01$	0.78 0.80
Fig 4C Correlation latency to eat and incubation scores	Continuous access Intermittent access	$R^2=0.04$ $R^2=0.08$	0.58 0.54
Supplementary Figure 1A Food consumed	Footshock condition (between)	$t_{14}=3.33$	0.005*

Supplementary Figure 1B Latency to eat	Footshock condition (between)	$t_{14}=4.28$	0.0008*
Supplementary Figure 1C Burying time	Footshock condition (between)	$t_{14}=2.79$	0.01*
Supplementary Figure 1D Immobility	Footshock condition (between)	$t_{14}=0.41$	0.69