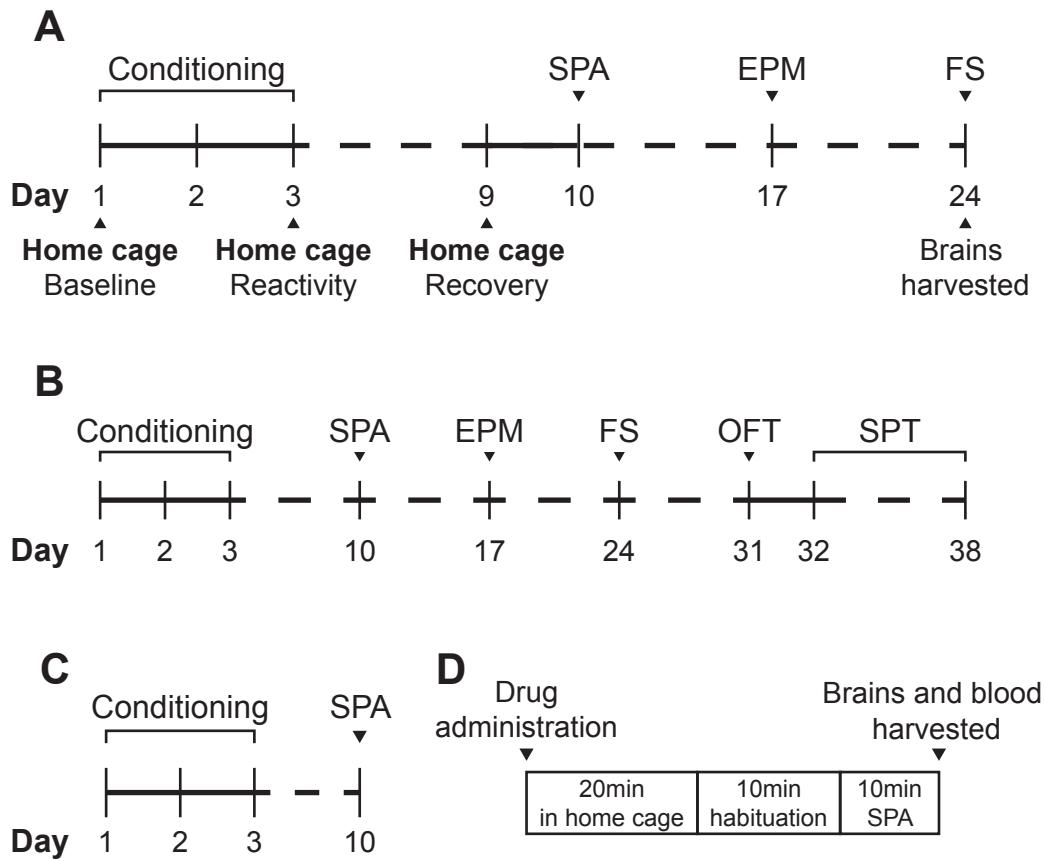


**Figure S1: *Experimental timelines.*** **A)** Timeline for Experiment 1, with one animal receiving control, single, or repeated defeat conditioning. **B)** Timeline for Experiment 2, with both cagemates receiving either control or repeated defeat conditioning. **C)** Timeline for Experiment 3, with both cagemates receiving control or repeated defeat conditioning, then one of two drug treatments 30 minutes prior to SPA (CSF or SKF 38393 for controls, CSF or SCH 23390 for defeated voles). **D)** Timeframe between drug administration and SPA testing. Animals had a total 30 minute drug activation time prior to beginning the SPA test. *SPA- Social preference/avoidance test; EPM- Elevated plus maze test; FS- Forced swim test; OFT- Open field test; SPT- Sucrose preference test.*

# Figure S1



**Table S1: Ethogram of behaviors analyzed during defeat.**

<b>Offensive Behaviors</b>	<b>Definition</b>
<i>Attack</i>	Attacker initiates strike/rough and tumble/boxing
<i>Chase</i>	Attacker running after opponent
<i>Lateral Threat</i>	Attacker directs its flank toward the opponent
<i>Upright posture</i>	Rearing upright with forelimbs extended
<i>Stamp</i>	Attacker stomps the ground or kicks up bedding
<i>Lunge</i>	Mock lunge/lunge with body but no attack results
<b>Defensive behaviors</b>	<b>Definition</b>
<i>Retaliatory Attack</i>	Opponent attacks immediately after attacker attack
<i>Leap Escape</i>	Jumping after a lunge/attack/or toward wall
<i>Flee</i>	Opponent runs after attack/threat from attacker
<i>Supine</i>	Opponent lays on back after an attack/threat
<i>Defensive posture</i>	Lean back upright or sitting (forepaw may be up)

**Table S2: Antibodies used for western blot analysis of DRD1 and DRD2 expression.** Antibody substitutions were due to manufacturer lot replacement and were individually validated before use.

*DRD1- Dopamine receptor 1; DRD2- Dopamine receptor 2; PFC- Prefrontal cortex; NAcc- Nucleus accumbens; BLA- Basolateral amygdala; CeA- Central amygdala; MeA- Medial amygdala.*

<b>Antigen</b>	<b>Regions</b>	<b>Manufacturer</b>	<b>Cat #</b>	<b>Concentration</b>
DRD1	NAcc	Santa Cruz	sc-336600	1:500
DRD1	CeA, MeA, BLA, PFC	Abcam	ab20066	1:4000
DRD2	NAcc, CeA, MeA	Santa Cruz	sc-5303	1:500
DRD2	BLA, PFC	EMD Millipore	ab5084P	1:1000
Mouse IgG	all	Santa Cruz	sc-516102	1:10000
Rabbit IgG	all	Santa Cruz	sc-2357	1:10000

**Table S3: Breakdown of statistics for individual behaviors observed during defeat conditioning.**

<b>Offensive Behaviors (frequency)</b>							
<b>Behavior</b>	<b>Aggressor</b>		<b>Subject</b>		<b>Stats</b>		
	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Effect</b>	<b>F(1,14)</b>	<b>p</b>
Attack	14.667±1.622	9.500±0.807	0.250±0.083	0.167±0.089	Social status x sex	7.764	0.015
Chase	17.000±1.790	11.792±2.095	0.333±0.154	0.292±0.098	Social status	99.121	0.000
Lateral Threat	2.542±0.831	1.375±0.596	0.417±0.280	0.167±0.089	Social status	10.337	0.006
Upright posture	0.417±0.122	0.958±0.364	1.750±0.519	1.375±0.572	N/A	3.751	<i>n.s.</i>
Stamp	0.833±0.227	2.125±0.743	0.000±0.000	0.042±0.042	Social status	13.676	0.002
Lunge	0.765±0.270	0.309±0.109	2.625±0.592	2.500±0.748	Social status	21.000	0.000

<b>Defensive Behaviors (frequency)</b>							
<b>Behavior</b>	<b>Aggressor</b>		<b>Subject</b>		<b>Stats</b>		
	<b>Male</b>	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Effect</b>	<b>F (1,14)</b>	<b>p</b>
Retaliatory Attack	0.125±0.044	0.208±0.074	1.458±0.516	0.250±0.088	Social status x sex	4.921	0.044
Leap Escape	0.458±0.281	0.083±0.055	10.417±2.016	8.875±2.631	Social status	34.109	0.000
Flee	1.000±0.383	1.000±0.295	24.333±2.720	20.042±3.545	Social status	90.204	0.000
Supine	0.125±0.088	0.083±0.083	3.917±1.467	2.000±0.639	Social status	13.855	0.002
Defensive posture	0.625±0.248	1.083±0.503	17.042±1.487	13.958±0.878	Social status	329.755	0.000