

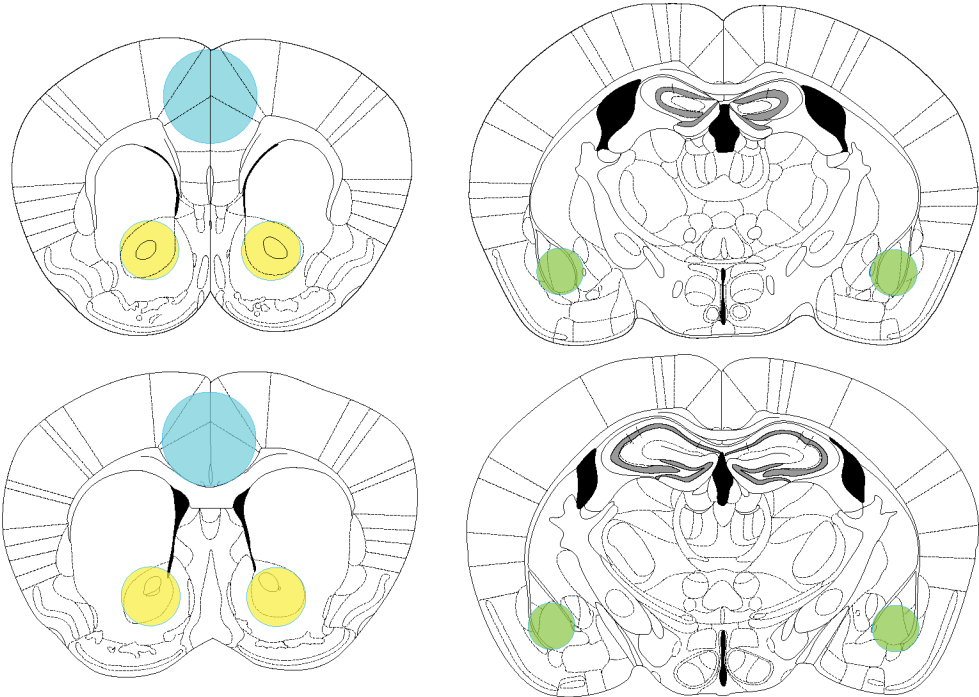
Supplementary Table 1.

Gene	Forward primer	Reverse primer
<i>Gabra2</i>	TATGGTCTCTGCTGCTTGTT	GCCTCATCTTCTTGGATGTTA
<i>Gabra5</i>	CCCAACACCTCAACAACC	GTTCTGCCTCCAAAGACC
<i>Gabbr2</i>	CCTCATGTTGTTTCGGTTGT	AATGTACTTGCTGTGCGTTGAG
<i>Gat1</i>	TGGTTGGACTGGAAAGGT	ACTCCACGGAAGAAGCAGG
<i>Gphn</i>	TTACAACAGGTGCTCCAATC	TTCAAGTTCTTCAAGTACCATCATC
<i>Gabarap</i>	TACCAGGAACACCATGAAGA	TCACAGACCATAGACGCTTT
<i>Gabarapl1</i>	GTTATGATTGCCAGCGTTT	ACTTATGGGATGAGGAGCAG
<i>Gria1</i>	AAGCAGACGGAAATTGCT	TCCACATCTTCTCAAACACAG
<i>Gria3</i>	CTGACACACGACGCAATAC	GCACAGCAGGATTTGCTA
<i>Grm1</i>	TGGCGTTGATGACAAATC	TACCTGGACACCTCTTGGAA
<i>Grik3</i>	GTGCTCCTTGCCTACCTG	ACCACTCGTAAGGGCTGA
<i>Grin3a</i>	TGGAGTGCAGTACCTGAAGA	TAATCCAGAAGGGCTTTGTC
<i>Slc25a22</i>	GGAGCAGCAGTAAACCTGA	GGTGTCTGAAGAAGTCATTAGC
<i>Grip1</i>	TTCTGGTCTCAAGCATTGG	TGCCAAGAGGGTGCATGTT
<i>Drd1</i>	GGACATACGCCATTTTCATC	CTGGGCAATCCTGTAGATACT
<i>Drd2</i>	AGATGCTTGCCATTGTTCTT	TTCAGGATGTGCGTGATG
<i>Drd5</i>	AGTCAGTCACACCTTCAGGAC	CTTGAGAATCCCGCATCTA
<i>Comt</i>	ATGCAGTGATTCGGGAGT	ATTCGCACGGCTGAGTAG
<i>Maoa</i>	GTGAGGCAGTGTGGAGGT	CCCAAGGAGGACCATTATC
<i>Maob</i>	GATCCACATTGACCAGACAG	TGGAATGGCACTAATCACATA
<i>Creb1</i>	GATTCTAGTGCCCAGCAAC	GGACGCCATAACAACCTCC
<i>Creb3</i>	AGATGTCTAGGCTGATACTGACC	CTTGTTCTCCACCTTAGTGA
<i>Crebbp</i>	AACGACACAGCCTCACAAT	CGTAGCTCCTCGGGTTTA
<i>Ddc</i>	TCTGAATGGTGTGGAGTTTG	GGTTAAGTCAGTCCTCCTCTTC

Supplementary Table 2. Statistical values associated with effects of stress on gene expression. Numbers in bold indicate comparisons that were significant at 5% False Discovery Rate within each gene category.

	Gene	PFC	BLA	NAC	Interactions
Dopamine	<i>Drd1</i>	F = 5.475; p < 0.03	F = 0.017; p > 0.8	F = 6.909; p < 0.02	PFC: Stress x Genetic: F = 5.561; p < 0.03
	<i>Drd2</i>	F = 0.0001; p > 0.9	F = 1.824; p > 0.15	F = 11.375; p < 0.0025	
	<i>Drd5</i>	F = 8.753; p < 0.01	F = 1.325; p > 0.2	F = 5.918; p < 0.03	NAC: Stress x Hormone: F = 5.325; p < 0.03
	<i>Comt</i>	F = 21.637; p < 10⁻⁵	F = 1.774; p > 0.1	F = 20.253; p < 10⁻⁵	
	<i>Maoa</i>	F = 9.266; p < 0.006	F = 1.451; p > 0.2	F = 30.281; p < 10⁻⁶	
	<i>Maob</i>	F = 0.989; p > 0.3	F = 0.017; p > 0.8	F = 28.961; p < 10⁻⁶	PFC: Stress x Genetic: F = 4.321; p < 0.05 PFC: Stress x Hormone: F = 6.001; p < 0.025
	<i>Creb1</i>	F = 12.356; p < 0.002	F = 0.904; p > 0.3	F = 36.101; p < 10⁻⁶	
	<i>Creb3</i>	F = 9.653; p < 0.005	F = 2.464; p > 0.1	F = 16.333; p < 10⁻⁴	PFC: Stress x Genetic: F = 6.772; p < 0.02
	<i>Crebbp</i>	F = 29.039; p < 10⁻⁶	F = 1.372; p > 0.25	F = 44.315; p < 10⁻⁷	PFC: Stress x Genetic: F = 4.794; p < 0.04
	<i>Ddc</i>	F = 4.971; p < 0.04	F = 0.389; p > 0.5	F = 19.982; p < 10⁻⁵	
GABA	<i>Gabra2</i>	F = 11.785; p < 0.003	F = 1.507; p > 0.2	F = 21.647; p < 10⁻⁵	
	<i>Gabra5</i>	F = 13.614; p < 0.002	F = 1.858; p > 0.1	F = 7.726; p < 0.01	
	<i>Gabbr2</i>	F = 2.196; p > 0.1	F = 1.933; p > 0.15	F = 47.375; p < 10⁻⁸	PFC: Stress x Genetic: F = 6.553; p < 0.02
	<i>Gat1</i>	F = 1.182; p > 0.2	F = 3.116; p < 0.09	F = 25.826; p < 10⁻⁵	
	<i>Gabarapl1</i>	F = 6.59; p < 0.02	F = 2.219; p > 0.1	F = 16.458; p < 10⁻⁴	
	<i>Gabarap</i>	F = 47.727; p < 10⁻⁸	F = 0.058; p > 0.8	F = 10.764; p < 0.004	
	<i>Gphn</i>	F = 4.182; p < 0.05	F = 0.704; p > 0.4	F = 45.84; p < 10⁻⁷	
Glutamate	<i>Gria1</i>	F = 22.957; p < 10⁻⁵	F = 1.868; p > 0.15	F = 55.751; p < 10⁻⁷	
	<i>Gria3</i>	F = 3.797; p < 0.07	F = 4.396; p < 0.05	F = 18.387; p < 10⁻⁴	PFC: Stress x Genetic: F = 5.711; p < 0.03 PFC: Stress x Hormone: F = 5.004; p < 0.04
	<i>Grm1</i>	F = 3.653; p < 0.07	F = 3.89; p < 0.06	F = 37.196; p < 10⁻⁷	
	<i>Grik3</i>	F = 0.007; p > 0.9	F = 2.041; p > 0.15	F = 38.448; p < 10⁻⁷	
	<i>Grin3a</i>	F = 8.22; p < 0.008	F = 3.84; p < 0.07	F = 38.085; p < 10⁻⁷	PFC: Stress x Genetic: F = 9.751; p < 0.005
	<i>Slc25a22</i>	F = 6.386; p < 0.02	F = 4.758; p < 0.04	F = 18.451; p < 10⁻⁴	
	<i>Grip1</i>	F = 11.111; p < 0.003	F = 4.316; p < 0.05	F = 2.137 p > 0.1	

Supplementary Figure 1. Schematic indicating locations for tissue punches.



● Prefrontal cortex

● Nucleus accumbens

● Basolateral amygdala