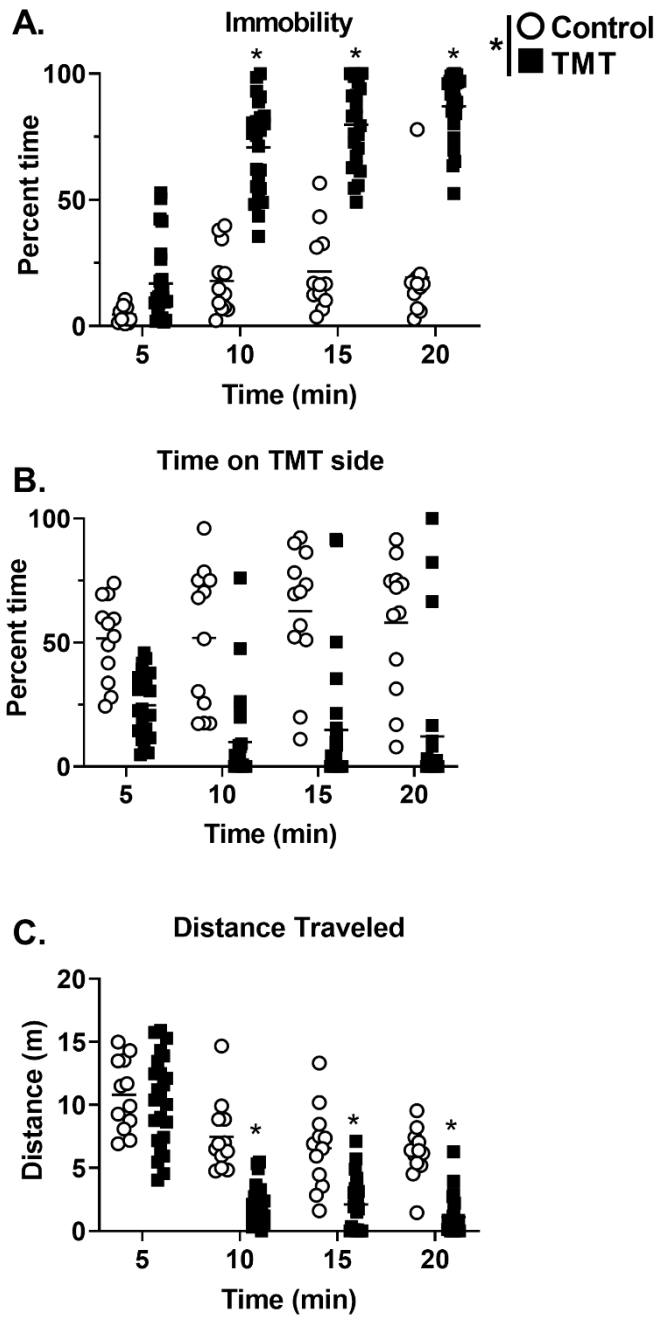
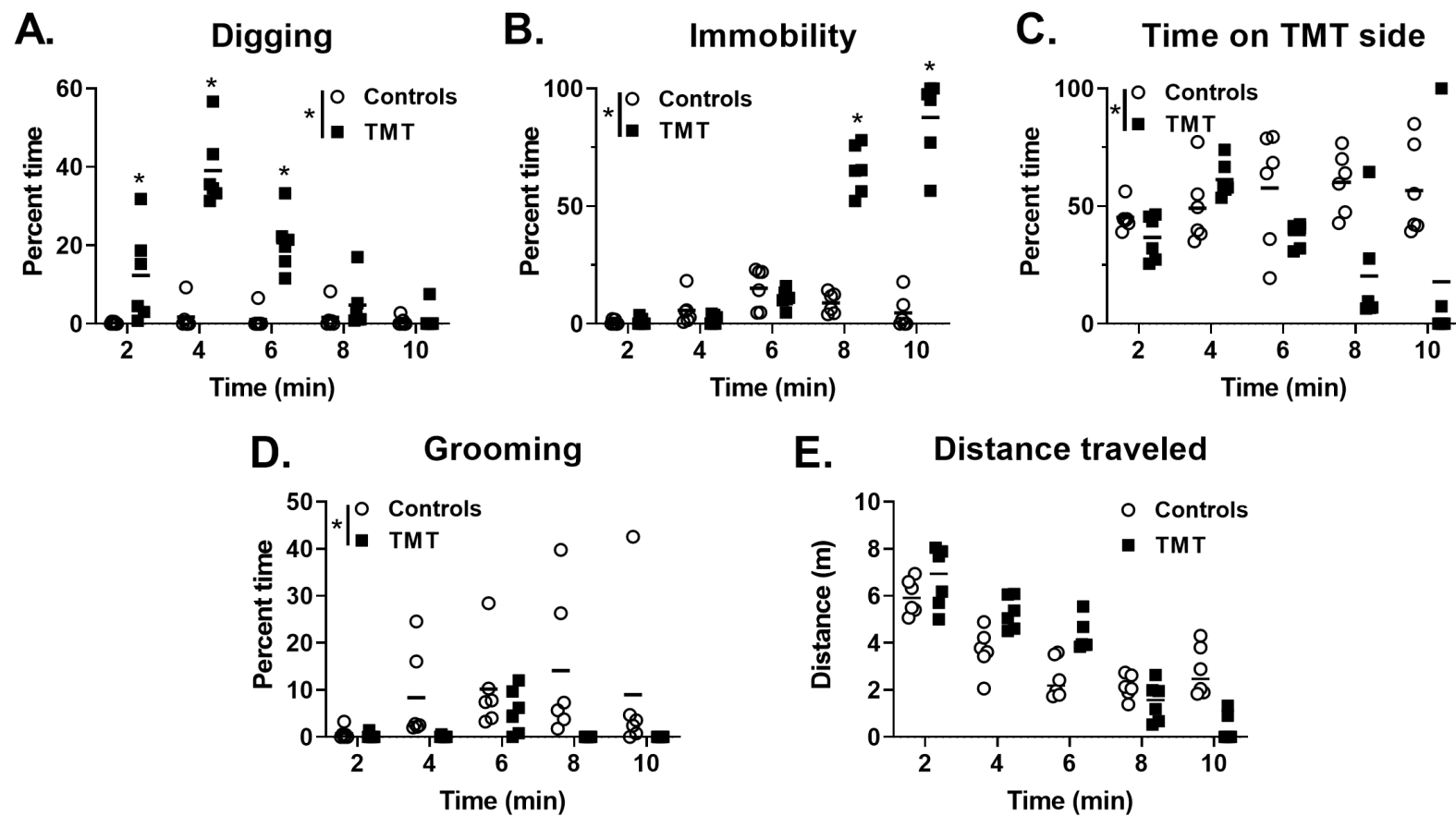


Supplementary Figure 1



Supplemental Fig. 1 – Showing all TMT exposure behavioral measures for Experiment 1 as individual data points. * $p \leq 0.05$ vs. Control.

Supplementary Figure 2



Supplemental Fig. 2 – Showing all TMT exposure behavioral measures for Experiment 2 as individual data points. * $p \leq 0.05$ vs. Control.

Supplementary Table 1 – Behavioral analyses in seconds

TMT Exposure (10 min, in sec)				
	Digging	Immobility	Time on TMT side	Grooming
Controls	6.3 ± 3.5	42.0 ± 8.2	322.4 ± 15.6	50.8 ± 8.7
TMT	93.8 ± 15.5*	200.3 ± 7.3*	209.0 ± 31.6*	7.0 ± 0.3*

Context Re-exposure (5 min, in sec)				
	Digging	Immobility	Time on TMT side	Grooming
Controls	1.4 ± 1.0	29.0 ± 5.1	136.0 ± 11.3	30.8 ± 7.5
TMT	8.3 ± 6.0	15.0 ± 3.7*	185.5 ± 8.8*	5.8 ± 1.7*

S1. Supplementary Table 1 – The total time (s) spent engaging in each behavior during TMT exposure and context re-exposure for Experiment 2. * $p \leq 0.05$ vs. Control

Supplementary Table 2 – Gene expression 6 hours after TMT

	<i>GRM2</i>	<i>GRM3</i>	<i>GRM5</i>	<i>GRM7</i>	<i>SLC1A3</i>	<i>CRF</i>	<i>FKBP5</i>	<i>NR3C1</i>	<i>NR3C2</i>
Prelimbic Cortex	2.06 ± 0.78	0.64 ± 0.12	1.16 ± 0.28	1.76 ± 0.41	1.06 ± 0.46	2.19 ± 0.84	n/a	n/a	n/a
Infralimbic Cortex	0.75 ± 0.21	0.89 ± 0.26	0.89 ± 0.16	1.11 ± 0.21	1.04 ± 0.21	n/a	n/a	n/a	n/a
Nucleus Accumbens	1.30 ± 0.38	1.20 ± 0.11	0.86 ± 0.13	0.81 ± 0.03	1.06 ± 0.12	n/a	n/a	n/a	1.06 ± 0.14
Nucleus Reuniens	1.42 ± 0.35	1.09 ± 0.08	1.18 ± 0.03	1.23 ± 0.17	1.29 ± 0.05	1.47 ± 0.35	n/a	n/a	1.20 ± 0.07
Hypothal.	1.59 ± 0.40	1.92 ± 0.53	1.54 ± 0.53	1.40 ± 0.21	n/a	1.79 ± 0.50	1.47 ± 0.15*	1.26 ± 0.16	1.26 ± 0.12
Amygdala	1.70 ± 0.64	1.30 ± 0.17	1.07 ± 0.17	n/a	n/a	0.89 ± 0.23	0.95 ± 0.11	1.06 ± 0.20	1.07 ± 0.27
Dorsal Hippo.	1.01 ± 0.09	0.88 ± 0.10	1.46 ± 0.75	1.20 ± 0.14	1.05 ± 0.16	0.86 ± 0.08	1.48 ± 0.19*	0.95 ± 0.13	1.17 ± 0.13
Ventral Hippo.	0.81 ± 0.15	0.83 ± 0.11	1.44 ± 0.23	1.11 ± 0.11	0.88 ± 0.13	1.03 ± 0.19	1.10 ± 0.13	0.75 ± 0.13	0.74 ± 0.10

S2. Supplementary Table 2 – A complete list of gene expression data as fold changes of TMT group compared to control (average=1) 6 hours after TMT exposure. * $p \leq 0.05$ vs. Control

Supplementary Table 3 – Gene expression 2 days after TMT

	<i>GRM2</i>	<i>GRM3</i>	<i>GRM5</i>	<i>GRM7</i>	<i>SLC1A3</i>	<i>CRF</i>	<i>FKBP5</i>	<i>NR3C1</i>	<i>NR3C2</i>
Prelimbic Cortex	0.99 ± 0.21	0.49 ± 0.12*	0.59 ± 0.14	0.88 ± 0.27	1.12 ± 0.89	0.28 ± 0.05	n/a	n/a	n/a
Infralimbic Cortex	0.79 ± 0.15	0.51 ± 0.11	0.78 ± 0.08	0.74 ± 0.08	0.76 ± 0.11	n/a	n/a	n/a	n/a
Nucleus Accumbens	1.3 ± 0.15	1.54 ± 0.21*	1.37 ± 0.17	0.98 ± 0.11	1.08 ± 0.08	n/a	n/a	n/a	1.26 ± 0.12
Nucleus Reuniens	0.79 ± 0.13	1.00 ± 0.15	0.88 ± 0.09	1.02 ± 0.15	1.03 ± 0.18	1.16 ± 0.30	n/a	n/a	1.27 ± 0.10
Hypothal.	1.69 ± 0.37	1.51 ± 0.27	0.98 ± 0.01	1.45 ± 0.22	n/a	2.73 ± 0.70	1.25 ± 0.15	1.28 ± 0.20	1.20 ± 0.16
Amygdala	1.70 ± 0.52	1.42 ± 0.25	1.03 ± 0.13	n/a	n/a	0.83 ± 0.12	0.96 ± 0.15	1.28 ± 0.30	1.00 ± 0.13
Dorsal Hippo.	0.79 ± 0.10	0.70 ± 0.07*	2.00 ± 0.93	0.94 ± 0.11	0.79 ± 0.06	0.93 ± 0.16	0.91 ± 0.10	0.79 ± 0.08	1.27 ± 0.25
Ventral Hippo.	1.14 ± 0.19	1.01 ± 0.20	1.21 ± 0.20	0.88 ± 0.11	0.82 ± 0.17	1.21 ± 0.38	0.88 ± 0.10	0.72 ± 0.08	0.76 ± 0.09

S3. Supplementary Table 3 - A complete list of gene expression data as fold changes of TMT group compared to control (average=1) 2 days after TMT exposure. Data from S2 and S3 are from Experiment 1. * $p \leq 0.05$ vs. Control.

Supplementary Table 4 – Gene expression 4 weeks after TMT

	<i>GRM2</i>	<i>GRM3</i>	<i>GRM5</i>	<i>GRM7</i>	<i>SLC1A3</i>	<i>CRF</i>	<i>FKBP5</i>	<i>NR3C1</i>	<i>NR3C2</i>	<i>CNR1</i>	<i>DLG4</i>	<i>Homer1</i>	<i>SHANK3</i>
Prelimbic Cortex	1.30 ± 0.24	1.12 ± 0.12	12.79 ± 0.25*	0.93 ± 0.10	1.94 ± 0.23*	n/a	1.13 ± 0.13	n/a	0.86 ± 0.11	0.90 ± 0.13	1.58 ± 0.18*	1.24 ± 0.09	1.18 ± 0.15
Infralimbic Cortex	0.38 ± 0.11*	1.21 ± 0.24	1.03 ± 0.16	1.37 ± 0.24	1.17 ± 0.16	n/a	n/a	n/a	n/a	1.28 ± 0.21	1.14 ± 0.17	1.47 ± 0.18*	1.01 ± 0.17
Nucleus Accumbens	0.68 ± 0.07	0.90 ± 0.06	1.04 ± 0.08	0.73 ± 0.06*	0.47 ± 0.06*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Nucleus Reunians	1.09 ± 0.05	0.91 ± 0.12	n/a	n/a	n/a	n/a	n/a	0.78 ± 0.02	0.99 ± 0.02	0.85 ± 0.14	n/a	n/a	n/a
Hypothal.	n/a	n/a	n/a	n/a	n/a	1.27 ± 0.23	1.38 ± 0.40	0.97 ± 0.14	1.25 ± 0.28	n/a	n/a	n/a	n/a
Amygdala	n/a	n/a	n/a	n/a	n/a	1.93 ± 0.46	0.91 ± 0.09	1.00 ± 0.15	1.23 ± 0.13	n/a	n/a	n/a	n/a
Dorsal Hippo.	1.29 ± 0.18	1.12 ± 0.17	0.68 ± 0.16	1.39 ± 0.19	1.73 ± 0.30	1.03 ± 0.16	1.57 ± 0.21*	1.18 ± 0.16	1.79 ± 0.23*	0.75 ± 0.11	0.97 ± 0.05	1.10 ± 0.09	0.67 ± 0.06*
Ventral Hippo.	0.92 ± 0.41	0.79 ± 0.17	0.60 ± 0.09*	0.55 ± 0.07*	0.80 ± 0.14	0.61 ± 0.14	0.90 ± 0.27	1.0 ± 0.31	1.20 ± 0.39	0.53 ± 0.08*	1.02 ± 0.03	0.55 ± 0.07*	0.51 ± 0.05*

Supplementary Table 4 - A complete list of gene expression data as fold changes of TMT group compared to control (average=1) weeks after TMT exposure. Data from S4 are from Experiment 2. * p≤0.05 vs. Control.

