

Supplementary materials 3

Table 1S. Basal levels of neurotransmitters in treatment groups

Treatment	DA (pg/10 μ l)	5-HT (pg/10 μ l)	GLU (ng/10 μ l)	GABA (pg/10 μ l)	ACh (nM)
Nucleus accumbens					
control	0.89 \pm 0.05	0.26 \pm 0.02	7.82 \pm 0.83	43.36 \pm 2.43	nd
Psilocybin 2 mg/kg	0.86 \pm 0.09	0.26 \pm 0.02	7.72 \pm 0.88	47.95 \pm 4.99	nd
Psilocybin 10 mg/kg	0.85 \pm 0.09	0.29 \pm 0.03	7.70 \pm 1.41	39.2 \pm 2.26	nd
Ketamine 10 mg/kg	0.99 \pm 0.04	0.22 \pm 0.02	8.21 \pm 0.81	44.68 \pm 5.33	nd
Hippocampus					
control	nd	nd	5.54 \pm 0.41	42.97 \pm 2.05	0.37 \pm 0.06
Psilocybin 2 mg/kg	nd	nd	5.34 \pm 0.62	35.89 \pm 2.77	0.30 \pm 0.09
Psilocybin 10 mg/kg	nd	nd	6.60 \pm 0.49	49.72 \pm 2.98	0.37 \pm 0.16
Ketamine 10 mg/kg	nd	nd	4.77 \pm 0.50	45.98 \pm 3.79	0.43 \pm 0.06
Amygdala					
control	nd	nd	4.38 \pm 0.30	48 \pm 2.82	nd
Psilocybin 2 mg/kg	nd	nd	4.77 \pm 0.51	44.5 \pm 3.31	nd
Psilocybin 10 mg/kg	nd	nd	4.19 \pm 0.48	49.0 \pm 5.73	nd
Ketamine 10 mg/kg	nd	nd	4.08 \pm 0.57	52.0 \pm 4.9	nd