

Table 2. Dopamine, dihydrophenylacetic acid, serotonin, 5-hydroxyindolacetic acid and noradrenaline levels in the brain areas of control and shaken rats (pmol/mg wet tissue)

		vmPFC	dmPFC	hippocampus	amygdala
DA	control	0.21 ± 0.03	0.07 ± 0.01	ND	1.68 ± 0.29
	shaken	0.16 ± 0.01	0.11 ± 0.01 *	ND	2.09 ± 0.23
DOPAC	control	0.10 ± 0.01	0.06 ± 0.01	ND	0.18 ± 0.02
	shaken	0.08 ± 0.01	0.07 ± 0.01	ND	0.21 ± 0.01
DOPC/DA	control	0.49 ± 0.03	0.93 ± 0.09	ND	0.12 ± 0.01
	shaken	0.48 ± 0.05	0.71 ± 0.10	ND	0.10 ± 0.01
5-HT	control	0.50 ± 0.07	0.36 ± 0.04	0.56 ± 0.05	0.68 ± 0.07
	shaken	0.45 ± 0.04	0.58 ± 0.06 *	0.58 ± 0.05	0.83 ± 0.09
5-HIAA	control	0.77 ± 0.11	0.66 ± 0.06	0.89 ± 0.07	0.57 ± 0.03
	shaken	0.84 ± 0.10	0.95 ± 0.11 *	1.00 ± 0.08	0.73 ± 0.06 *
5-HIAA/5-HT	control	1.79 ± 0.25	1.91 ± 0.13	1.60 ± 0.07	1.60 ± 0.06
	shaken	1.85 ± 0.16	1.68 ± 0.15	1.72 ± 0.08	1.75 ± 0.08
NA	control	0.17 ± 0.01	0.16 ± 0.01	0.37 ± 0.03	0.39 ± 0.02
	shaken	0.15 ± 0.01	0.24 ± 0.02 *	0.34 ± 0.04	0.26 ± 0.05*

Values represent mean ± S.E.M. for seven to ten samples. ND, not detected. vmPFC, ventral part of medial prefrontal cortex. dmPFC, dorsal part of medial prefrontal cortex. \* Values significantly different ( $p < 0.05$ ) from control.