

Supplementary material

Quality measures of imaging mass spectrometry aids in revealing long-term striatal protein changes induced by neonatal exposure to the cyanobacterial toxin β -N-methylamino-L-alanine (BMAA)

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m/z	Control		150 mg/kg		460 mg/kg	
	Intensity		Intensity	p-value	Intensity	p-value
<i>Nucleus accumbens</i>						
5433	698 \pm 76	605 \pm 34	0.48	514 \pm 23	0.027	
8723	847 \pm 80	693 \pm 46	0.14	610 \pm 35	0.012	
15808 ¹	349 \pm 22	298 \pm 20	0.10	267 \pm 10	0.003	
15890 ¹	288 \pm 6	251 \pm 22	0.02	277 \pm 16	0.056	
<i>Caudate putamen</i>						
8723	729 \pm 36	657 \pm 26	0.22	591 \pm 12	0.008	
13935	317 \pm 13	273 \pm 10	0.03	287 \pm 5	0.054	
13952	399 \pm 19	335 \pm 16	0.02	350 \pm 13	0.054	

Table 1. Affected ion peaks from nucleus accumbens and caudate putamen that could not be conclusively identified. Intergroup comparisons were tested using non-parametric Kruskal-Wallis ANOVA followed by post hoc analysis using the Mann-Whitney U-test. All ion peaks were significant ($p<0.05$) in the Kruskal-Wallis ANOVA. The table show peak intensity \pm SEM and post hoc p-values when compared to vehicle control animals. Vehicle control: n = 6 animals; BMAA (150 mg/kg): n = 8 animals; BMAA (460 mg/kg): n = 7 animals

¹Putative hemoglobin peaks.

