

Experimental phase		N	Variable	Correlation (r)	p-value	
Two-bottle choice	T1	15	EtOH intake (g EtOH/ kg b.w./ 24h)	-0.002434	0.9931	
	T2			-0.03751	0.8944	
	T3			-0.4645	0.0811	
	T4			-0.004159	0.9883	
	T5			0.2216	0.4274	
	T6			0.009118	0.9743	
	T7			-0.253	0.363	
	T8			-0.2304	0.4088	
	T9			0.09377	0.7396	
	T10			-0.02986	0.9159	
	T11			-0.2892	0.2958	
	T12			-0.09365	0.7399	
	T13			0.1937	0.4891	
	T14			-0.05449	0.8471	
	T15			0.2087	0.4553	
	T16			0.1111	0.6933	
	T17			0.09762	0.7293	
	T18			-0.1548	0.5818	
Taking criterion		15	Number of tests	0.3277	0.2331	
Seeking-taking criterion		15	Number of tests	0.1565	0.5775	
Seeking-taking punishment	Seeking responses	13	LOG Number of seeking responses	-0.3358	0.2619	
				0.20 mA	0.3802	0.2
				0.30 mA	-0.5502	# 0.0514
				0.30 mA	-0.6576	* 0.0146
				0.40 mA	-0.2439	0.422
				0.40 mA	-0.3869	0.1915
				0.50 mA	-0.6701	* 0.0122
				0.50 mA	-0.7043	* 0.0072

Appendix 1 to Cieslik A, Noworyta K, Rygula R. Trait sensitivity to negative feedback determines the intensity of compulsive alcohol seeking and taking in male rats. *J Psychiatry Neurosci* 2022. doi: 10.1503/jpn.210220 Copyright © 2022 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca. Online appendices are unedited and posted as supplied by the authors.

	Trials	0.10 mA			-0.1111	0.7179
		0.20 mA			0.4516	0.1213
		0.30 mA			-0.3547	0.2343
		0.30 mA			-0.5175	0.0701
		0.40 mA			0.1892	0.5358
		0.40 mA			-0.03833	0.9011
		0.50 mA			-0.4711	0.1041
		0.50 mA			-0.4794	0.0974
Extinction criterion			15	Number of tests	-0.4878	# 0.0651
Reinstatement criterion			12	Number of tests	-0.4811	0.1133

Table S1.) Correlation between the NF sensitivity and measured variables of alcohol seeking and taking. NF sensitivity, expressed as the average probabilistic lose-shift ratio was correlated with investigated measures of alcohol-seeking and taking in rats. * indicates a significant ($p < 0.05$) correlation between NF sensitivity and variable of interest. # indicates a trend toward a statistically significant correlation between NF sensitivity and the given variable of interest.