

Supplementary material to
Autistic Traits affect Reward Anticipation but not Reception
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Note:

CI = Confidence Intervals

σ^2 = within group variance

τ_{00} = between group variance

ICC = Interclass Correlation (the ratio of the between-cluster variance to the total variance)

$AIC_{\text{model/null model}}$ = Akaike Information Criterion of the model in discussion or the null model (containing only intercept as a predictor)

P-values were computed via Wald-statistics approximation (treating t as Wald z), uncorrected.

Supplementary material - table 1 Regression results for the CNV in response to cues

CUE: CNV										
Predictors	Estimates	SE	CI (0.95)	t	p	Estimates	SE	CI (0.95)	t	p
Intercept	-0.98	0.18	-1.33 – -0.62	-5.36	<0.001	-0.22	0.18	-0.58 – 0.14	-1.21	0.225
LSAS-SR	0.01	0.01	-0.01 – 0.02	0.76	0.446	0.01	0.01	-0.01 – 0.02	0.76	0.446
AQ	-0.06	0.03	-0.11 – -0.00	-2.15	0.032	-0.05	0.03	-0.10 – -0.00	-1.98	0.048
SM - M	0.75	0.19	0.39 – 1.12	4.08	<0.001					
SM - S	0.38	0.19	0.01 – 0.74	2.03	0.042					
M - S						-0.38	0.19	-0.74 – -0.02	-2.05	0.040
AQ : SM - M	0.00	0.03	-0.05 – 0.05	0.17	0.864					
AQ : SM - S	0.02	0.03	-0.03 – 0.07	0.84	0.402					
AQ : M - S						0.02	0.03	-0.03 – 0.07	0.67	0.505
Random Effects					Model Information					
σ^2		0.87			Observations		153			
$\tau_{00 \text{ code}}$		0.82			Marginal R ² / Conditional R ²		0.108 / 0.540			
ICC _{code}		0.48			AIC _{model} / AIC _{null model}		499.513 / 535.919			

Supplementary material - table 2 Regression results for the CNV in the pre-feedback phase

PRE-FEEDBACK: CNV										
Predictors	Estimates	SE	CI (0.95)	t	p	Estimates	SE	CI (0.95)	t	p
Intercept	-1.91	0.31	-2.52 – -1.30	-6.15	<0.001	-2.03	0.31	-2.64 – -1.42	-6.55	<0.001
LSAS-SR	0.03	0.01	0.00 – 0.06	2.24	0.025	0.03	0.01	0.00 – 0.06	2.24	0.025
AQ	-0.01	0.05	-0.10 – 0.08	-0.21	0.831	-0.03	0.05	-0.12 – 0.06	-0.75	0.455
SM - M	-0.12	0.19	-0.50 – 0.26	-0.62	0.532					
SM - S	0.00	0.19	-0.38 – 0.39	0.03	0.980					
M - S						0.13	0.19	-0.25 – 0.51	0.65	0.516
AQ : SM - M	-0.02	0.03	-0.08 – 0.03	-0.91	0.361					
AQ : SM - S	0.01	0.03	-0.05 – 0.06	0.20	0.841					
AQ : M - S						0.03	0.03	-0.02 – 0.08	1.11	0.265
Random Effects					Model Information					
σ^2		0.96			Observations		153			
$\tau_{00 \text{ code}}$		3.95			Marginal R ² / Conditional R ²		0.085 / 0.821			
ICC _{code}		0.80			AIC _{model} / AIC _{null model}		587.013 / 695.147			

Supplementary material - table 3 Regression results for the CNV in two phases – cue and pre-feedback

CUE and PRE-FEEDBACK: CNV										
Predictors	Estimates	SE	CI (0.95)	t	p	Estimates	SE	CI (0.95)	t	p
Intercept	-0.98	0.26	-1.48 – -0.48	-3.81	<0.001	-0.23	0.26	-0.73 – 0.28	-0.88	0.380
LSAS-SR	0.02	0.01	0.00 – 0.04	2.11	0.035	0.02	0.01	0.00 – 0.04	2.11	0.035
AQ	-0.07	0.04	-0.14 – 0.00	-1.95	0.052	-0.07	0.04	-0.14 – 0.00	-1.83	0.067
SM - M	0.75	0.28	0.20 – 1.31	2.66	0.008					
SM - S	0.38	0.28	-0.18 – 0.93	1.32	0.186					
M - S						-0.38	0.28	-0.94 – 0.18	-1.33	0.182
cue - prefeedback	-0.93	0.28	-1.48 – -0.37	-3.26	0.001	-1.80	0.28	-2.36 – -1.25	-6.34	<0.001
AQ: SM - M	0.00	0.04	-0.07 – 0.08	0.11	0.911					
AQ : SM - S	0.02	0.04	-0.06 – 0.10	0.55	0.585					
AQ : M - S						0.02	0.04	-0.06 – 0.09	0.43	0.664
AQ : cue - prefeedback	0.08	0.04	0.00 – 0.15	1.97	0.049	0.05	0.04	-0.03 – 0.13	1.23	0.217
SM - M : cue - prefeedback	-0.88	0.40	-1.66 – -0.09	-2.18	0.029					
SM - S : cue - prefeedback	-0.37	0.40	-1.16 – 0.42	-0.92	0.356					
M – S : cue – prefeedback						0.51	0.40	-0.28 – 1.29	1.26	0.208
AQ : SM - M : cue - prefeedback	-0.03	0.06	-0.14 – 0.08	-0.52	0.603					
AQ : SM - S : cue - prefeedback	-0.02	0.06	-0.12 – 0.09	-0.29	0.773					
AQ : M - S : cue - prefeedback						0.01	0.06	-0.10 – 0.12	0.23	0.817
Random Effects					Model Information					
σ^2		2.05			Observations		306			
$\tau_{00 \text{ code}}$		1.32			Marginal R ² / Conditional R ²		0.176 / 0.498			
ICC _{code}		0.39			AIC _{model} / AIC _{null model}		1199.097 / 1303.481			

Supplementary material - table 4 Regression results for the P3 in response to outcomes

FEEDBACK: P3										
Predictors	Estimates	SE	CI (0.95)	t	p	Estimates	SE	CI (0.95)	t	p
Intercept	4.08	0.31	3.47 – 4.68	13.26	<0.001	4.03	0.31	3.42 – 4.63	13.10	<0.001
LSAS-SR	-0.01	0.01	-0.04 – 0.01	-0.88	0.378	-0.01	0.01	-0.04 – 0.01	-0.88	0.378
AQ	0.09	0.05	0.00 – 0.18	2.00	0.046	0.07	0.05	-0.01 – 0.16	1.66	0.097
SM - M	-0.05	0.22	-0.49 – 0.39	-0.22	0.823					
SM - S	-1.30	0.22	-1.74 – -0.86	-5.79	<0.001					
M - S						-1.25	0.22	-1.69 – -0.81	-5.56	<0.001
no-reward – reward	0.43	0.22	-0.01 – 0.87	1.93	0.054	0.42	0.22	-0.02 – 0.86	1.87	0.062
AQ: SM - M	-0.02	0.03	-0.08 – 0.05	-0.49	0.622					
AQ : SM - S	-0.03	0.03	-0.09 – 0.03	-1.09	0.276					
AQ : M - S						-0.02	0.03	-0.08 – 0.04	-0.60	0.551
AQ : no-reward – reward	-0.01	0.03	-0.07 – 0.05	-0.38	0.701	-0.02	0.03	-0.08 – 0.04	-0.60	0.548
SM - M : no-reward – reward	-0.01	0.32	-0.63 – 0.61	-0.04	0.968					
SM - S : no-reward – reward	-0.04	0.32	-0.66 – 0.58	-0.13	0.894					
M – S : no-reward – reward						-0.03	0.32	-0.65 – 0.59	-0.09	0.927
AQ : SM - M : no-reward – reward	-0.01	0.04	-0.09 – 0.08	-0.15	0.878					
AQ : SM - S : no-reward – reward	0.02	0.04	-0.07 – 0.10	0.40	0.688					
AQ : M - S : no-reward – reward						0.02	0.04	-0.06 – 0.11	0.56	0.579
Random Effects					Model Information					
σ^2		1.28			Observations		306			
$\tau_{00 \text{ code}}$		3.53			Marginal R ² / Conditional R ²		0.118 / 0.766			
ICC _{code}		0.73			AIC _{model} / AIC _{null model}		1119.680 / 1391.224			