

Supplemental data

Supplemental Table 1. Statistical analysis for participant demographics

	Age	IQ	SEQ 3.0	SRS-2
F/H statistic	13.7*	1.62	111.2*	24.1*
p-value				
Cohen's d				
Mild vs Sensitive-distressed	.544 0.16		<.001 2.63	<.001 1.26
Mild vs Attenuated-preoccupied	<.001 1.45		<.001 2.41	.008 1.10
Mild vs Extreme-mixed	.082 0.53		<.001 4.94	<.001 2.45
Sensitive-distressed vs Attenuated-preoccupied	.002 1.28		.29 0.45	.352 0.43
Sensitive-distressed vs Extreme-mixed	.178 0.38		<.001 2.60	.003 1.17
Attenuated-preoccupied vs Extreme-mixed	.140 0.84		<.001 3.22	.003 2.01

*p-value less than .05 with BH adjustment.

IQ, SEQ 3.0, and SRS-2 used a one-way ANOVA with pairwise t-test. The assumptions for a one-way ANOVA were violated for age and a Kruskal-Wallis and Dunn's test were applied.

Supplemental Table 2. Statistical analysis for RBS-R subcategories

Mixed ANCOVA two interactions $F(3, 570) = 2.219, p = .005$						
	Compulsive behavior	Restricted behavior	Ritualistic behavior	Sameness behavior	Self- injurious behavior	Stereotyped behavior
Mild vs Sensitive- distressed	<.001	<.001	<.001	<.001	.026	<.001
Mild vs Attenuated- preoccupied	.018	.012	.008	.032	.541	<.001
Mild vs Extreme-mixed	<.001	<.001	<.001	<.001	<.001	<.001
Sensitive-distressed vs Attenuated-preoccupied	.640	.317	.850	.512	.541	.342
Sensitive-distressed vs Extreme-mixed	.015	.055	.395	.018	.038	<.001
Attenuated-preoccupied vs Extreme-mixed	.028	.024	.429	.021	.040	.038

Pairwise comparison reported the p-value between sensory subtypes for RBS-R subcategories. Bold values represent $p < .05$

Supplemental Table 3. Statistical analysis for VABS-2 subdomains

Mixed ANOVA two interactions $F(3, 168) = 1.357, p = .234$			
	Communication	Daily Living Skills	Social Skills
Mild vs Sensitive-distressed	.044	.170	.183
Mild vs Attenuated-preoccupied	.998	.286	.260
Mild vs Extreme-mixed	.017	<.001	.002
Sensitive-distressed vs Attenuated-preoccupied	.252	.787	.725
Sensitive-distressed vs Extreme- mixed	.258	.003	.026
Attenuated-preoccupied vs Extreme-mixed	.075	.040	.154

Pairwise comparison reported the p-value between sensory subtypes for VABS-2 subdomains. Bold values represent $p < .05$