

Additional file 3. Comparison of CCPT performance between probands with autism, unaffected siblings of autism probands, and typically-developing controls

Group	Autism (n =122)	US of autism (n = 122)	TD (n = 196)	F	P	Comparison#
Focused attention						
Omission	20.68±31.56	7.16±8.42	6.35±7.41	27.80	<.001	A>US,TD
RT SE	15.71±12.55	9.59±5.72	8.63±5.50	33.05	<.001	A>US,TD
Variability	29.84±25.92	18.22±15.70	16.89±16.54	17.96	<.001	A>US,TD
Perseveration	16.89±19.19	6.73±10.34	7.02±14.31	15.56	<.001	A>US,TD
Detectability	0.30±0.40	0.48±0.40	0.43±0.36	5.88	0.004	A<US,TD
Cognitive impulsivity						
Commission	24.32±8.94	19.39±8.55	20.85±8.31	8.00	<.001	A>US,TD
Reaction time	461.20±163.47	412.46±96.85	381.04±67.13	24.49	<.001	A>US,TD
Response style	1.16±3.35	2.35±12.26	0.58±1.25	2.54	0.083	-

Sustained attention						
Hit RT block change	0.01±0.05	0.01±0.03	0.01±0.03	0.43	0.652	-
Hit SE block change	0.07±0.12	0.07±0.10	0.04±0.09	3.39	0.037	-
Vigilance						
Hit RT ISI change	0.09±0.09	0.08±0.05	0.08±0.04	2.21	0.114	-
Hit SE ISI change	0.12±0.19	0.11±0.16	0.10±0.16	0.23	0.793	-

Bonferroni correction $p < 0.05$

Abbreviation: ISI=inter-stimulus interval; RT=Reaction time; SE=Standard error; TD=typically-developing controls; US=unaffected siblings of autism probands