Supplementary Table 1. Rotated Component Matrix: Promax Rotation From Social Behavior Impairment Principal Components Analysis

Subscale	Factor 1	Factor 2	Factor 3	Factor 4
Griffith Empathy Scale	.90	-.04	-.31	-.10
CCC social relations	.85	-.04	.03	.20
CCC nonverbal	.79	.09	.03	.08
CCC context	.63	-.04	.39	-.10
CCC coherence	.47	.12	.33	.09
SRS social cognition	.37	.35	.16	.26
CCC interests	-.10	.88	.07	.00
SRS mannerisms	-.08	.83	-.14	.32
CCC initiation	.39	.63	.08	.28
SRS social awareness	.49	.54	-.09	.00
CCC syntax	-.13	.08	.88	.03
CCC speech	-.24	.07	.73	.25
CCC semantics	.39	-.30	.72	.00
CCC scripted speech	.10	.44	.54	.23
SRS social motivation	.02	-.015	.07	.91
SRS social communication	.45	.31	.02	.46

Note: CCC = Children's Communication Checklist; SRS = Social Responsiveness Scale.

Supplemental Table 2. Raw Score Changes on Scales Included in Composites

Characteristic	NETT (n=35)		Facilitated Play (control) (n=34)	
	Baseline	Endpoint	Baseline	Endpoint
	M (SD) *Range*	M (SD) *Range*	M (SD) *Range*	M (SD) *Range*
Social cognition composite	.15 (.84) *-1.44-1.39*	.27 (.92) *-1.93-1.67*	-.14 (.78) *-1.6- 1.25*	-.02 (.76) *-1.41-1.61*
DANVA	84.53 (11.89) *53-100*	87.58 (13.51) *52-107*	80.08 (12.74) *49-96*	81.97 (11.88) *63-103*
Children's Reading Mind in Eyes Test	17.03 (3.88) *10-25*	17.58 (4.44) *6-26*	16.08 (4.6) *7-25*	16.03 (4.58) *5-25*
Strange Stories Mentalizing	6.00 (3.08) *0-11*	6.06 (3.05) *0-12*	5.17 (2.76) *0-9*	5.76 (2.37) *0-10*
Social behavior composite [a]	-.04 (1.00) *-1.86-2.28*	-.34 (.64) *-2.05-.71*	.05 (.70) *-1.06-1.5*	-.01 (.73) *-1.2-1.63*
Griffith Empathy Scale [b]	129.67 (25.81) *65-180*	132.72 (24.31) 72-180	123.62 (19.28) *84-155*	123.96 (20.55) *97-185*
Children's Communication Checklist – social relations	9.34 (4.55) *0-19*	7.69 (3.06) *2-14*	9.58 (3.02) *4-16*	9.22 (3.58) *2-18*
Children's Communication Checklist nonverbal	10.03 (4.78) *1-18*	8.88 (3.84) *0-15*	10.07(3.54) *5-17*	9.96 (3.46) *5-16*

Note: Social Responsiveness Scale (SRS) was included in the principal components analysis (PCA) but not included in the composite because of low factor loadings on social behavior impairment factor. DANVA = Diagnostic

Analysis of Nonverbal Accuracy; NETT = Nonverbal communication, Emotion recognition, and Theory of mind Training.

[a] Lower scores reflect less impairment on social behavior.

[b] Griffith Empathy Scale, which was rescaled for the PCA to correspond with direction Children's Communication Checklist and SRS.