Table S1. Classification Algorithm Employed at 36 Months

Diagnostic Classification	Algorithmic Criteria	Sample Size N=719
ASD	CBE diagnosis of ASD and ADOS severity score ≥ 4	157 (21.8%)
ATYP	No CBE diagnosis of ASD above and at least one of the following: - ADOS severity score ≥ 3 - 2 or more MSEL subtest t scores < 35 - 1 or more MSEL subtest t scores < 30	178 (24.8%)
TYP	No CBE diagnosis of ASD above and all of the following: - ADOS severity ≤ 2 - 0 or 1 MSEL subtest t scores < 35 - 0 MSEL subtest t scores < 30	384 (53.4%)

Note: Mullen Scales of Early Learning (MSEL) subtests considered are Fine Motor, Visual Reception, Receptive Language, and Expressive Language. ASD = autism spectrum disorder; ATYP = atypical development; CBE = clinical best estimate; TYP = typical development.

Table S2. Characteristics of Children With Autism Spectrum Disorder (ASD) Who Were Correctly Classified and Misclassified in the Classification and Regression Tree (CART) Analysis

ASD Group			
Variable	**Classified Correctly**	**Misclassified**	***p*-value**
N (%)	69 (56.6)	53 (43.4)	
Male (%) (n=93)	52 (55.9)	41 44.1	.79
Females (%) (n=29)	17 (58.6)	12 (41.4)	
Age of Recruitment, months	8.3 (3.8)	8.1 (3.4)	.84
Age of Assessment, months	18.5 (.69)	18.5 (.61)	.95
% Caucasian	83.9	78.7	.66
% Hispanic	12.1	9.1	.93
Maternal Age, years	33.7 (4.9)	33.8 (4.4)	.98
Paternal Age, years	36.0 (5.4)	36.2 (5.4)	.83
Maternal Education: % college degree or higher	64.9	72.5	.57
Paternal Education: % college degree or higher	61.0	70.7	.43