

Supplementary Table 1. Domain scores of the K-ADI-R diagnostic algorithm by sex

	ASD Mean (SD)	Non-ASD Mean (SD)	Total Mean (SD)	t†
Male	(N=698; 75%)	(N=228; 25%)	(N=926)	
Algorithm A				
A1	3.74 (1.63)	0.32 (0.64)	2.90 (2.07)	45.67***
A2	5.68 (2.36)	1.04 (1.35)	4.53 (2.94)	36.68***
A3	4.52 (1.56)	1.01 (1.16)	3.66 (2.11)	36.29***
A4	6.25 (2.25)	0.94 (1.18)	4.94 (3.06)	46.12***
Algorithm B				
B1	5.27 (2.48)	0.54 (1.00)	4.10 (3.01)	41.23***
B2	2.17 (1.83)	0.34 (0.82)	1.72 (1.82)	20.75***
B3	1.86 (1.97)	0.29 (0.65)	1.48 (1.87)	18.24***
B4	4.79 (1.39)	1.14 (1.17)	3.89 (2.07)	39.03***
Algorithm C				
C1	2.04 (1.26)	0.32 (0.66)	1.62 (1.36)	26.65***
C2	1.11 (1.22)	0.18 (0.50)	0.88 (1.16)	16.53***
C3	0.80 (0.91)	0.04 (0.23)	0.61 (0.86)	20.43***
C4	1.50 (0.70)	0.34 (0.57)	1.22 (0.84)	25.37***
Algorithm D				
D	3.68 (1.17)	0.51 (1.03)	2.90 (1.78)	39.01***
Female	(N=127; 37%)	(N=218; 63%)	(N=345)	
Algorithm A				
A1	3.91 (1.64)	0.28 (0.61)	1.62 (2.07)	24.02***
A2	5.24 (2.32)	0.80 (1.14)	2.43 (2.72)	20.15***
A3	4.32 (1.57)	0.48 (0.97)	1.90 (2.22)	24.98***
A4	6.15 (2.34)	0.66 (1.06)	2.68 (3.12)	24.99***
Algorithm B				
B1	5.27 (2.34)	0.36 (1.02)	2.17 (2.88)	22.41***
B2	1.76 (1.81)	0.19 (0.57)	0.77 (1.41)	9.50***
B3	1.51 (1.87)	0.16 (0.50)	0.66 (1.37)	8.01***
B4	4.50 (1.48)	0.66 (1.13)	2.07 (2.25)	25.30***
Algorithm C				
C1	1.39 (1.24)	0.16 (0.52)	0.61 (1.04)	10.69***
C2	1.06 (1.26)	0.09 (0.36)	0.45 (0.94)	8.54***
C3	0.79 (0.90)	0.05 (0.24)	0.32 (0.68)	9.08***
C4	1.26 (0.78)	0.16 (0.41)	0.56 (0.78)	14.82***
Algorithm D				
D	3.46 (1.38)	0.23 (0.69)	1.42 (1.85)	24.52***

***p<0.001, †t-test. ASD: Autism spectrum disorder, Algorithm A: Social Interaction, A1: Failure to use nonverbal behaviors to regulate social interaction, A2: Failure to develop peer relationships, A3: Lack of shared enjoyment, A4: Lack of socioemotional reciprocity, Algorithm B: Communication, B1: Lack of or delay in spoken language and failure to compensate through gesture, B2: Relative failure to initiate or sustain conversational interchange, B3: Stereotyped, repetitive, or idiosyncratic speech, B4: Lack of varied spontaneous make-believe or social imitative play, Algorithm C: Restricted, Repetitive, and Stereotyped Patterns of Behavior, C1: Encompassing preoccupation or circumscribed pattern of interest, C2: Apparently compulsive adherence to nonfunctional routines or rituals, C3: Stereotyped and repetitive motor mannerism, C4: Preoccupation with parts of objects or nonfunctional elements of material, Algorithm D: Abnormality of development before 36 months