

Supplementary Table S1. Correlations among key study variables in the ASD-Sibs group (n= 67).

Variable	1	2	3	4	5	6	7	8	9
1. CARS	—								
2. Maternal BDI	0.25 (0.038)	—							
3. Maternal BAI	0.29 (0.018)	0.73 (<0.001)	—						
4. FAD Gen. Func.	-0.06 (0.660)	0.40 (0.001)	0.31 (0.010)	—					
5. CERQ Positive Reap.	0.01 (0.957)	0.03 (0.813)	0.00 (0.979)	-0.13 (0.308)	—				
6. CDI	0.01 (0.922)	0.29 (0.016)	0.18 (0.140)	0.33 (0.007)	-0.12 (0.312)	—			
7. SCARED	0.01 (0.928)	0.38 (0.001)	0.34 (0.004)	0.23 (0.058)	-0.30 (0.014)	0.56 (<0.001)	—		
8. Int. Prob.	0.04 (0.764)	0.51 (<0.001)	0.48 (<0.001)	0.54 (<0.001)	-0.03 (0.819)	0.39 (0.002)	0.29 (0.020)	—	
9. Ext. Prob.	-0.01 (0.908)	0.38 (0.002)	0.32 (0.011)	0.59 (<0.001)	-0.05 (0.674)	0.44 (<0.001)	0.27 (0.031)	0.78 (<0.001)	—

Values are Pearson's correlation coefficients (r) with two-tailed p-values, presented as r (p).

ASD-Sibs = siblings of children with ASD; CARS = Childhood Autism Rating Scale; BDI = Beck Depression Inventory; BAI = Beck Anxiety Inventory; FAD- Gen. Func. = Family Assessment Device-General Functioning; CERQ- Positive reap. = Cognitive Emotion Regulation Questionnaire-Positive Reappraisal; CDI = Child Depression Inventory; SCARED = Screen for Child Anxiety Related Emotional Disorders; Int. Prob. = CBCL Internalizing Problems; Ext. Prob.= CBCL Externalizing Problems.

Supplementary Table S2. Indirect effects for final SEM (bootstrap estimates).

Path (predictor → outcome)	Std β	SE (Std)	95% CI (Std)	p (Std)	B	SE	95% CI	p
CARS → CDI	0.073	0.038	-0.001, 0.147	0.054	0.076	0.043	0.006, 0.189	0.078
CARS → SCARED	0.086	0.048	-0.007, 0.18	0.071	0.175	0.101	0.017, 0.42	0.083
CARS → Int. Prob.	0.052	0.045	-0.036, 0.14	0.249	0.086	0.081	-0.037, 0.286	0.291
CARS → Ext. Prob.	0.051	0.035	-0.016, 0.119	0.136	0.085	0.062	-0.01, 0.229	0.170
FAD-Gen. → CDI	0.094	0.058	-0.02, 0.207	0.105	1.320	0.889	0.109, 3.914	0.137
FAD-Gen. → SCARED	0.090	0.071	-0.048, 0.229	0.202	1.116	0.889	-0.476, 3.054	0.220
FAD-Gen. → Int. Prob.	0.064	0.032	0.006, 0.129	0.031	1.198	0.644	0.13, 2.819	0.065
FAD-Gen. → Ext. Prob.	0.065	0.030	0.012, 0.128	0.015	0.867	0.424	0.167, 1.87	0.041

Values are bootstrap estimates from the final SEM. Columns include standardized and unstandardized indirect effects with bootstrap SE and 95% CI. CARS, Childhood Autism Rating Scale; FAD-Gen., Family Assessment Device-General Functioning; BDI, Beck Depression Inventory; BAI, Beck Anxiety Inventory; CDI, Child Depression Inventory; SCARED, Screen for Child Anxiety Related Emotional Disorders; Int. Prob., CBCL Internalizing Problems; Ext. Prob., CBCL Externalizing Problems.