

Supplemental Material S2. Predictive validity by automated index and sibling group, covarying maternal education.

Variable	Overall		Sibs-autism		Sibs-NA	
	Exp Lang	Rec Lang	Exp Lang	Rec Lang	Exp Lang	Rec Lang
AVA raw score	.05	.10	-.18	.15	.10	-.01
RVC	.11	.08	.07	.26	.02	-.23
Child Vocalization Count	.34*	.29	.25	.31	.49**	.31
Child Vocalization Duration	.34*	.26	.29	.27	.51***	.32*
IVD	-.13	-.26	.05	-.35*	-.10	-.12
ACPU-C+V	.12	.08	.07	.08	.35*	.20

Note. Sibs-NA = infants with typically developing older siblings; Sibs-autism = infants with at least one older sibling diagnosed with autism; AVA = Automated Vocalization Analysis raw score (Richards et al., 2017); RVC = Reciprocal Vocal Contingency score (Harbison et al., 2018); IVD = Infraphonological Vocal Development score (Woynaroski et al., 2017; Yoder et al., 2013); ACPU-C+V = Average Count Per Utterance-Consonant+Vowel score (Woynaroski et al., 2017; Xu et al., 2014); Exp Lang = expressive language aggregate; Rec Lang = receptive language aggregate.

* $p < .05$. ** $p < .01$. *** $p < .001$.