

### Summary of core phenotyping instruments

Neuropsychological tests and other measurements that comprise the core phenotyping protocol are listed. Also noted are who is eligible for a particular test or measurement, and whether the same measure was taken in the Simons Simplex Collection (SSC; <http://sfari.org/resource/simons-simplex-collection/>).

### Simons VIP Phenotype Battery

Assessment Type	Domain	Full name	In SSC	Ages	Adult Carrier	Adult Non-carrier	Child Carrier	Child Non-carrier	Adult Control	Child Control
Neuropsychological Tests	Adaptive Behavior	Vineland Adaptive Behavior Scales	Y	birth - 90	X	X*	X	X		X
		Autism Diagnostic Interview – Revised (ADI-R)	Y	12m-25:11	X~	X*~	X~	X~		
	ASD	Autism Diagnostic Observation Schedule (ADOS)	Y	30m+	X	X*	X	X		
		Autism Diagnostic Observation Schedule - Toddler research version (ADOS-T)	N	12-30m			X	X		
		Broader Autism Phenotype Questionnaire (BAPOQ)	Y	18+	X	X			X	
		Social Communication Questionnaire (SCQ) - Lifetime Version	Y	4 to 17:11			X	X		X
		Social Responsiveness Scale (SRS)	Y	4 to 17:11			X	X		X
		Social Responsiveness Scale- Adult Research Version (SRS-ARV)	Y	19+	X	X			X	
	Executive Function	Delis-Kaplan Executive Function System (DKEFS)	N	8 to 89	X		X		X	X
		Purdue Pegboard	Y	4+	X	X	X	X		X
	IQ	Differential Ability Scales - Early Years & School Age (DAS-II)	Y	2:6 to 17:11			X	X		X
		Mullen Scales of Early Learning	Y	<3			X	X		
	Language	Wechsler Abbreviated Scale of Intelligence (WASI)	Y	18 to 89	X	X			X	
		Comprehensive Assessment of Spoken Language (CASL)	N	3 to 21	X*	X*	X	X	X	X
		Childrens Communication Checklist - 2 (CCC-2)	N	4 to 16:11			X	X		X
		Clinical Evaluation of Language Fundamentals (CELF-4)	N	5 to 21	X#		X#		X	X
		Comprehensive Test of Phonological Processing (CTOPP) - Nonword Repetition	Y	5-24yrs	X	X	X	X	X	X
		MacArthur Communicative Development Inventory (MCDI)	N	8m-30m + ADOS Mod 1			X	X		X
		Observation Scale of Expressive Language - research version	N	2:0 to 11:11			X			
		Wechsler Individual Achievement Test (WIAT) - Word Reading, Reading Comprehension, Numerical Operations, Sentence Composition	N	1st grade-50:11	X		X		X	X
	Parental Stress	Parenting Stress Index (PSI) - Short Form	N	regarding children <18			X	X		
	Psychiatric Disorders	Adult Behavior Checklist (ABCL)	Y	19+	X	X*			X	
		Child Behavior Checklist - 1.5 - 5yrs, 6 - 18yrs versions (CBCL)	Y	1:6 to 18			X	X		X
		Diagnostic Interview Schedule for Children - Young Child Edition (DISC-YC)	N	3 - 5:11 yrs			X	X		X
		Diagnostic Interview Schedule for Children (DISC) - Revised version	N	6 - 17 yrs			X	X		X
		Symptom Checklist 90 - Revised (SCL-90)	N	18+	X	X			X	
		Modified Scale of Prodromal Symptoms Scores-Child and Adult versions (M-SO)	N	11+	X		X			
	Repetitive Behaviors	Behavior and Stereotyped Interest Questionnaire (BSIQ)	N	<18			X	X		X
Other Measurements	Clinical Impressions	Family History Interview - Interview Impressions	Y	18+	X	X				
	Demographics	Simons VIP Background History Form	Y	all	X		X		X	X
	Diagnosis	Simons VIP Diagnosis Summary Form	Y	all	X	X	X	X		
	Dysmorphology	Digital pictures	Y	all	X	X	X	X	X	X
		3dMD pictures	Y	all	X	X	X	X		
	Education/intervention	Education History Interview	N	all	X		X			
		Intervention History Interview	N	all	X		X			
	Feeding	Simons VIP Child and Teen Feeding Questionnaires	N	2- 17:11 yrs			X	X		X
		Eating in Absence of Hunger Questionnaire - Parent report and Self report	N	5+	X	X	X	X	X	X
		Loss of Control - Eating Questionnaire-Parent report and Self report	N	5+	X	X	X	X	X	X
	Imaging	Summary form for results of anatomical analysis – S-CAP	N	all	X	X*	X	X		
	Medical History	Medication Interview-Parent report and Self report versions	N	all	X		X			
		Medical History Interview - Pediatric and Adult Versions	Y	all	X		X			
		Mother Pregnancy Questionnaire	N	all	X		X			
		Mother Other Pregnancy Questionnaire	N	all	X		X			
		Simons VIP Previous Diagnoses Interview Form - Parent report and Self report	N	all	X		X		X	X
		Puberty Questionnaire	N	all	X		X			
	Medical/Neurological exam	Edinburgh Handedness Inventory - Parent report and Self report versions	N	2+	X	X	X	X	X	X
		Height, Weight, Head Circumference	Y	all	X	X	X	X	X	X
		Neurological Examination	N	all	X		X		X	X
	Sleep	Simons VIP Pediatric and Adult Sleep Questionnaires	N	all	X	X	X	X	X	X

\* = only if non-parent adult

~ = if autism spectrum disorder suspected

# = only participants that go on the functional imaging stage