

DATA SUPPLEMENT

Supplementary Tables

	All RASopathies	NF1	CS	NS	CFC	ASD	Unaffected Siblings
% Male	47.6	38.3	52.3	53.8	51.9	72.5 ^a	55.5
% Female	52.4	61.7	47.7	46.2	48.1	27.5 ^a	44.5
Age min-Age Max	1-73	1-73	2-32	2-49	2-27	1-57	1-61
Age (mean ±SD)	14.2±13.6	18.9±16.1	12.4±8.5	14.1±12.5	8.7±6.1	11.4±10.0	12.7±9.6

Supplementary Table 1. Age and gender distribution in study sample. Shows the percentage of male and females in each sub-sample as well as the age range, mean, and standard deviation.

^aTwo-tailed p-value for Fisher Exact test is given to show significant difference in the number of males and females in the idiopathic ASD sample, $p < 0.001$. There were no significant differences between males and females in the RASopathies or unaffected siblings of RASopathy probands.

	Males/Females	Male SRS Mean Mean (SD)	Female SRS Mean Mean (SD)	p-value
All RASopathies	100/118	66 (16)	61 (16)	0.018
NF1	29/49	61 (20)	54 (14)	0.048
CS	19/21	62 (11)	59 (10)	0.25
NS	28/23	65 (15)	64 (20)	0.46
CFC	24/25	76 (14)	73 (13)	0.27
Siblings	52/41	46 (9)	46 (11)	0.45

Supplementary Table 2. Comparison of male and female mean SRS scores in RASopathy subjects and healthy siblings. The differences between male and female mean SRS T-scores and standard deviations within each RASopathy group and in unaffected siblings of RASopathy probands are shown. P-values are calculated from one-sided t-tests.