

	x	y	z	p (UC)	T height	Peak region	Secondary Regions
SN (R FI seed)							
<i>autism > control</i>	-11	-10	60	0.014	2.23	L SMA	L Paracentral Lobule L Precentral
	36	27	-10	0.020	2.08	R Inf Fronal Orb (FI)	R Insula
	12	-3	49	0.023	2.02	R SMA	R Mid Cingulum
	-19	7	55	0.031	1.88	L Sup Frontal	L Mid Frontal
	24	29	-9	0.041	1.75	R Caudate	R Putamen R Insula
	-29	23	-16	0.048	1.67	L Inf Frontal Orb	L insula
<i>control > autism</i>	42	39	-14	0.000	4.24	R Mid Frontal Orb	R Inf Frontal Orb (FI)
	27	55	12	0.000	3.96	R Sup Frontal	R Mid Frontal
	42	37	23	0.000	3.89	R Mid Frontal	R Inf Frontal Tri
	-8	51	14	0.000	3.61	L Medial Sup Frontal	L Ant Cingulate
	-7	48	23	0.001	3.13	L Medial Sup Frontal	L Sup Frontal L Ant Cingulate
	-5	31	38	0.002	2.96	L Medial Sup Frontal	L Mid Cingulate
	46	8	-31	0.001	3.26	R Mid Temporal Pole	R Sup Temporal Pole
	-31	44	25	0.001	3.06	L Mid Frontal	L Sup Frontal
	56	11	6	0.003	2.81	R Inf Frontal Oper	R Precentral
	49	18	31	0.006	2.53	R Inf Frontal Oper	R Inf Frontal Tri
	16	53	19	0.036	1.81	R Sup Frontal	R Medial Sup Frontal
	-49	29	12	0.031	1.88	L Inf Frontal Tri	
	55	12	17	0.035	1.83	R Precentral	R Rolandic Oper
	-46	33	4	0.046	1.69	L Inf Frontal Tri	L Inf Frontal Orb (FI)
	36	31	42	0.048	1.67	R Mid Frontal	
DMN (R PCC seed)							
<i>autism > control</i>	14	-73	40	0.002	2.92	R Precuneus	R cuneus
	30	-71	42	0.018	2.12	R Sup Occipital	R Angular R Mid Occipital
	2	-70	30	0.019	2.09	R Precuneus	L cuneus L Precuneus R cuneus
	-32	-77	35	0.009	2.39	L Mid occipital	L Inf parietal
	-13	-26	-21	0.011	2.33	L Parahippo	L Cerebellum 3,4,5 L Fusiform
	43	-76	28	0.018	2.13	R Mid Occipital	R Angular
	-54	9	-12	0.018	2.12	L Sup Temporal Pole	L Sup Temporal L Mid Temporal
	53	-64	24	0.030	1.9	R Angular	R Mid Temporal R Mid Occipital
	58	-24	-3	0.030	1.9	R Sup Temporal	R Mid Temporal
	59	-53	-13	0.011	2.33	R Inf Temporal	R Mid Temporal
	57	-57	-2	0.046	1.69	R Mid Temporal	R Inf temporal
	-47	-73	19	0.031	1.89	L Mid Occipital	L Mid Temporal
	8	-37	-1	0.036	1.82	R Lingual	R Precuneus R Thalamus
	1	-28	-4	0.041	1.74	R Cerebellum 3,4,5	R Vermis 3
	48	-13	1	0.044	1.71	R Sup Temporal	R Insula R Heschl
<i>control > autism</i>	-57	-45	37	0.003	2.77	L Inf Parietal	L Supramarginal
	61	2	23	0.005	2.67	R precentral	R postcentral
	45	-38	53	0.029	1.91	R Inf Parietal	R postcentral
	59	-27	39	0.030	1.89	R postcentral	R Supramarginal
	-7	-57	57	0.007	2.52	L precuneus	
	0	-49	-4	0.018	2.11	Vermis 3,4,5	L Cerebellum 3
	-21	-57	55	0.019	2.1	L Sup Parietal	L precuneus L Inf Parietal
	-56	-54	-3	0.024	2.01	L mid temporal	L Inf temporal
	63	-19	19	0.031	1.89	R Supramarginal	R Rolandic Oper R Postcentral R Sup Temporal
	-62	-8	32	0.031	1.89	L postcentral	L Precentral
	-28	12	62	0.041	1.74	L Mid Frontal	L Sup Frontal
	40	-59	54	0.044	1.71	R Sup Parietal	R Inf Parietal
	-29	14	60	0.045	1.7	L Mid Frontal	L Sup Frontal
	17	-42	70	0.048	1.67	R Postcentral	R Paracentral Lobule

Table S3. MNI coordinates and characteristics of peak voxels and associated clusters of between-group scMRI maps, with age as a covariate in the model.
UC, uncorrected.