Dataset	Scan site	Voxel size
ABIDE_II	ETH Zürich	[3, 3, 3.30]
ABIDE_II	University of Utah School of Medicine	[3.44, 3.44, 3.30]
ABIDE_II	Trinity Centre for Health Sciences	[3, 3, 3.55]
ABIDE_I	NYU Langone Medical Center	[3, 3, 4]
ABIDE_I	California Institue of Technology	[3.5, 3.5, 3.5]
ABIDE_I	Carnegie Mellon University	[3, 3, 4.5]
ABIDE_I	Trinity Centre for Health Sciences	[3, 3, 3.85]
ABIDE_I	University of Utah School of Medicine	[3.44, 3.44, 3.30]
UCLA Consortium for Neuropsychiatric Phenomics LA5c Study	NA	[3, 3, 4]

Table 1. Voxel size of the fMRI data used in the study. The voxel sizes of the orginal, unpreprocessed images are reported according to the scanning site. These sizes are shown in the order[pixdim1, pixdim2, pixdim3] according to the NIFTI header.

Scan site	Subject ID	Group	Age	Anatomical Visual Insp	Functional Visual Inspection	Status
ETH (ABIDE II)	29057	ASD	27.25	ok	ok	Preprocessed
ETH (ABIDE II)	29058	ASD	22.08	ok	ok	Preprocessed
ETH (ABIDE II)	29059	ASD	24.58	ok	ok	Analyzed
ETH (ABIDE II)	29060	ASD	20.17	ok	Motion	Preprocessed
ETH (ABIDE II)	29062	ASD	20.17	Motion	Motion	Discarded
ETH (ABIDE II)	29065	ASD	18.92	Artifacts	Motion	Discarded
ETH (ABIDE II)	29066	ASD	19.67	Artifacts	ok	Analyzed
ETH (ABIDE II)	29067	ASD	21.00	Motion	Motion	Discarded
ETH (ABIDE II)	29068	ASD	18.50	Artifacts and motion	Motion	Discarded
ETH (ABIDE II)	29069	ASD	22.33	Artifacts and motion	Motion	Discarded
ETH (ABIDE II)	29070	ASD	22.50	Artifacts	Motion	Discarded
ETH (ABIDE II)	29071	CONTROL	18.00	ok	Motion, shadows, and artifacts	Discarded
ETH (ABIDE II)	29074	CONTROL	21.25	ok	ok	FD ok
ETH (ABIDE II)	29075	CONTROL	21.67	ok	ok	FD ok
ETH (ABIDE II)	29076	CONTROL	24.08	ok	ok	FD ok
ETH (ABIDE II)	29077	CONTROL	23.17	Artifacts	Motion	FD ok
ETH (ABIDE II)	29078	CONTROL	23.92	Artifacts	ok	FD ok
ETH (ABIDE II)	29079	CONTROL	22.67	Motion	Motion	Discarded
ETH (ABIDE II)	29080	CONTROL	25.08	ok	ok	Analyzed
ETH (ABIDE II)	29081	CONTROL	19.58	ok	Brain partly missing	Discarded
ETH (ABIDE II)	29082	CONTROL	22.25	Artifacts	Cerebellum partly missing	Preprocessed
ETH (ABIDE II)	29083	CONTROL	30.67	ok	ok	FD ok
ETH (ABIDE II)	29084	CONTROL	28.08	ok	Shadows	Discarded
ETH (ABIDE II)	29085	CONTROL	25.67	ok	ok	Preprocessed
ETH (ABIDE II)	29086	CONTROL	27.75	ok	Shadows	Discarded
ETH (ABIDE II)	29087	CONTROL	29.50	ok	ok	Preprocessed
ETH (ABIDE II)	29088	CONTROL	27.83	Artifacts	Motion	Discarded
ETH (ABIDE II)	29089	CONTROL	29.00	Artifacts	Motion, cerebellum partly missing	Preprocessed
ETH (ABIDE II)	29090	CONTROL	29.42	ok	ok	FD ok
ETH (ABIDE II)	29091	CONTROL	26.42	Artifacts	Motion	Discarded
ETH (ABIDE II)	29092	CONTROL	27.42	ok	ok	FD ok
ETH (ABIDE II)	29093	CONTROL	20.17	Artifacts	ok	Analyzed
ETH (ABIDE II)	29094	CONTROL	19.25	ok	Shadows	Discarded
USM (ABIDE II)	29497	ASD	22.17	ok	ok	Analyzed
USM (ABIDE II)	29500	ASD	38.86	ok	ok	Analyzed
USM (ABIDE II)	29516	ASD	23.33	Distorsion due to metalli	ok	Analyzed
USM (ABIDE II)	29496	CONTROL	34.82	ok	ok	FD ok
USM (ABIDE II)	29499	CONTROL	18.58	ok	ok	Analyzed
USM (ABIDE II)	29501	CONTROL	27.38	ok	ok	FD ok

USM (ABIDE II)	29504	CONTROL	24.26	Noise	ok	Preprocessed
USM (ABIDE II)	29512	CONTROL	30.71	ok	Noise	Preprocessed
USM (ABIDE II)	29513	CONTROL	18.55	ok	N/2 ghosting not affecting the brain reg	FD ok
USM (ABIDE II)	29520	CONTROL	27.41	ok	ok	FD ok
USM (ABIDE II)	29523	CONTROL	36.15	ok	ok	Analyzed
USM (ABIDE II)	29525	CONTROL	23.29	ok	ok	Analyzed
USM (ABIDE II)	29526	CONTROL	32.62	ok	ok	FD ok
TCD (ABIDE II)	29100	ASD	18.75	Motion	Motion	Discarded
TCD (ABIDE II)	29104	ASD	19.25	Artifacts	ok	Analyzed
TCD (ABIDE II)	29105	ASD	19.25	ok	ok	Preprocessed
TCD (ABIDE II)	29107	ASD	18.50	ok	ok	Analyzed
TCD (ABIDE II)	29114	ASD	18.75	ok	ok	Analyzed
TCD (ABIDE II)	29115	ASD	19.50	ok	ok	FD ok
TCD (ABIDE II)	29117	CONTROL	19.25	ok	ok	Analyzed
TCD (ABIDE II)	29127	CONTROL	19.75	ok	Artifacts	FD ok
TCD (ABIDE II)	29128	CONTROL	20.00	ok	ok	FD ok
TCD (ABIDE II)	29130	CONTROL	18.75	ok	ok	Analyzed
TCD (ABIDE II)	29133	CONTROL	19.50	ok	Motion	Preprocessed
TCD (ABIDE II)	29135	CONTROL	18.75	ok	ok	Analyzed
TCD (ABIDE II)	29136	CONTROL	19.00	ok	Motion	Preprocessed
NYU (ABIDE I)	0051015	ASD	29.98	ok	ok	Analyzed
NYU (ABIDE I)	0051016	ASD	22.99	Distorsion due to metalli	ok	Analyzed
NYU (ABIDE I)	0051017	ASD	22.04	ok	ok	Analyzed
NYU (ABIDE I)	0051018	ASD	20.25	ok	ok	Analyzed
NYU (ABIDE I)	0051019	ASD	22.29	ok	ok	Analyzed
NYU (ABIDE I)	0051020	ASD	28.58	ok	ok	Preprocessed
NYU (ABIDE I)	0051021	ASD	23.66	ok	ok	Analyzed
NYU (ABIDE I)	0051023	ASD	20.62	ok	ok	Analyzed
NYU (ABIDE I)	0051024	ASD	39.10	ok	ok	Analyzed
NYU (ABIDE I)	0051025	ASD	19.64	ok	ok	Analyzed
NYU (ABIDE I)	0051026	ASD	18.58	ok	ok	Analyzed
NYU (ABIDE I)	0051027	ASD	22.98	ok	ok	Analyzed
NYU (ABIDE I)	0051028	ASD	29.18	ok	ok	Analyzed
NYU (ABIDE I)	0051029	ASD	26.52	ok	ok	Preprocessed
NYU (ABIDE I)	0051066	CONTROL	18.59	ok	ok	Preprocessed
NYU (ABIDE I)	0051067	CONTROL	23.65	ok	ok	Analyzed
NYU (ABIDE I)	0051068	CONTROL	31.78	ok	ok	Preprocessed
NYU (ABIDE I)	0051112	CONTROL	19.23	ok	ok	Preprocessed
NYU (ABIDE I)	0051113	CONTROL	22.38	ok	ok	Analyzed
NYU (ABIDE I)	0051114	CONTROL	22.48	ok	ok	Analyzed

NYU (ABIDE I)	0051115	CONTROL	22.76	ok	ok	Analyzed
NYU (ABIDE I)	0051116	CONTROL	25.34	ok	ok	Analyzed
NYU (ABIDE I)	0051117	CONTROL	28.20	ok	ok	FD ok
NYU (ABIDE I)	0051118	CONTROL	29.02	ok	ok	Analyzed
NYU (ABIDE I)	0051119	CONTROL	30.72	ok	ok	FD ok
NYU (ABIDE I)	0051130	CONTROL	19.13	ok	ok	Analyzed
NYU (ABIDE I)	0051131	CONTROL	19.73	Artifacts	ok	Analyzed
NYU (ABIDE I)	0051146	CONTROL	20.02	ok	ok	FD ok
NYU (ABIDE I)	0051147	CONTROL	20.04	ok	ok	FD ok
NYU (ABIDE I)	0051148	CONTROL	20.30	ok	ok	Analyzed
NYU (ABIDE I)	0051149	CONTROL	20.56	ok	ok	Analyzed
NYU (ABIDE I)	0051150	CONTROL	22.77	ok	ok	Preprocessed
NYU (ABIDE I)	0051151	CONTROL	23.08	Artifacts	ok	Preprocessed
NYU (ABIDE I)	0051152	CONTROL	23.35	ok	ok	FD ok
NYU (ABIDE I)	0051153	CONTROL	26.17	ok	ok	FD ok
NYU (ABIDE I)	0051154	CONTROL	30.08	ok	ok	Analyzed
NYU (ABIDE I)	0051155	CONTROL	30.78	ok	ok	Analyzed
NYU (ABIDE I)	0051156	CONTROL	21.15	ok	ok	Preprocessed
USM (ABIDE I)	0050432	CONTROL	18.28	ok	inferior cut off	Discarded
USM (ABIDE I)	0050433	CONTROL	18.74	ok	ok	Analyzed
USM (ABIDE I)	0050434	CONTROL	18.26	Spike	ok	Preprocessed
USM (ABIDE I)	0050439	CONTROL	22.60	ok	ok	Analyzed
USM (ABIDE I)	0050440	CONTROL	23.95	ok	ok	Analyzed
USM (ABIDE I)	0050441	CONTROL	27.60	ok	ok	Analyzed
USM (ABIDE I)	0050442	CONTROL	26.85	ok	ok	Analyzed
USM (ABIDE I)	0050444	CONTROL	24.99	ok	ok	Preprocessed
USM (ABIDE I)	0050445	CONTROL	18.14	ok	ok	FD ok
USM (ABIDE I)	0050446	CONTROL	27.32	ok	ok	Analyzed
USM (ABIDE I)	0050449	CONTROL	18.22	ok	ok	Analyzed
USM (ABIDE I)	0050450	CONTROL	21.10	Artifacts	ok	Preprocessed
USM (ABIDE I)	0050452	CONTROL	29.97	ok	ok	FD ok
USM (ABIDE I)	0050454	CONTROL	18.80	ok	ok	Analyzed
USM (ABIDE I)	0050455	CONTROL	31.28	ok	Motion	Preprocessed
USM (ABIDE I)	0050457	CONTROL	34.05	ok	ok	Analyzed
USM (ABIDE I)	0050458	CONTROL	26.15	ok	ok	Preprocessed
USM (ABIDE I)	0050459	CONTROL	18.15	ok	ok	Analyzed
USM (ABIDE I)	0050462	CONTROL	24.65	ok	ok	FD ok
USM (ABIDE I)	0050463	CONTROL	28.37	Artifacts	ok	Preprocessed
USM (ABIDE I)	0050465	CONTROL	34.01	ok	ok	Analyzed
USM (ABIDE I)	0050466	CONTROL	39.25	ok	Motion	Analyzed

USM (ABIDE I)	0050467	CONTROL	19.76	ok	Spike and motion	Analyzed
USM (ABIDE I)	0050468	CONTROL	39.39	ok	ok	Analyzed
USM (ABIDE I)	0050469	CONTROL	28.56	ok	ok	Analyzed
USM (ABIDE I)	0050471	CONTROL	25.02	ok	ok	Analyzed
USM (ABIDE I)	0050472	CONTROL	22.11	ok	ok	Analyzed
USM (ABIDE I)	0050473	CONTROL	22.44	ok	ok	Analyzed
USM (ABIDE I)	0050474	CONTROL	22.05	ok	Motion	Preprocessed
USM (ABIDE I)	0050475	ASD	21.65	ok	inferior cut off	Preprocessed
USM (ABIDE I)	0050476	ASD	20.17	Artifacts	ok	Analyzed
USM (ABIDE I)	0050477	ASD	20.18	ok	ok	Analyzed
USM (ABIDE I)	0050478	ASD	20.18	ok	Spike and motion	Discarded
USM (ABIDE I)	0050479	ASD	22.88	ok	Noise	Preprocessed
USM (ABIDE I)	0050480	ASD	29.09	ok	ok	Analyzed
USM (ABIDE I)	0050482	ASD	27.41	ok	ok	Analyzed
USM (ABIDE I)	0050483	ASD	21.43	Spike	Motion	Discarded
USM (ABIDE I)	0050484	ASD	19.70	ok	ok	Analyzed
USM (ABIDE I)	0050485	ASD	23.59	ok	ok	Analyzed
USM (ABIDE I)	0050487	ASD	25.80	Shadows	Motion	Preprocessed
USM (ABIDE I)	0050488	ASD	25.45	ok	Motion and shadows	Discarded
USM (ABIDE I)	0050490	ASD	19.63	Artifacts	Spike and motion	Discarded
USM (ABIDE I)	0050491	ASD	26.95	ok	ok	Analyzed
USM (ABIDE I)	0050492	ASD	32.55	Distorsion due to metalli	Noise	Preprocessed
USM (ABIDE I)	0050493	ASD	35.71	Artifacts	ok	Analyzed
USM (ABIDE I)	0050494	ASD	37.78	ok	Motion	Analyzed
USM (ABIDE I)	0050495	ASD	22.56	ok	ok	Analyzed
USM (ABIDE I)	0050496	ASD	24.32	Artifacts	Motion	Discarded
USM (ABIDE I)	0050497	ASD	34.46	Distorsion due to metalli	ok	Preprocessed
USM (ABIDE I)	0050498	ASD	21.13	ok	ok	Analyzed
USM (ABIDE I)	0050499	ASD	25.43	ok	ok	Analyzed
USM (ABIDE I)	0050502	ASD	32.96	ok	Motion	Preprocessed
USM (ABIDE I)	0050503	ASD	28.67	ok	RF noise	Analyzed
USM (ABIDE I)	0050505	ASD	33.18	ok	ok	Analyzed
USM (ABIDE I)	0050507	ASD	28.11	ok	Motion	Preprocessed
USM (ABIDE I)	0050508	ASD	26.38	ok	Spike and motion	Discarded
USM (ABIDE I)	0050513	ASD	18.47	Distorsion due to metalli	ok	Preprocessed
USM (ABIDE I)	0050514	ASD	21.40	ok	ok	Analyzed
USM (ABIDE I)	0050518	ASD	18.66	ok	ok	Analyzed
USM (ABIDE I)	0050521	ASD	18.42	Artifacts	Spike and motion	Preprocessed
USM (ABIDE I)	0050525	ASD	32.85	ok	ok	Analyzed
USM (ABIDE I)	0050526	ASD	50.22	ok	Motion	FD ok

USM (ABIDE I)	0050527	ASD	18.41	ok	ok	Analyzed
USM (ABIDE I)	0050529	ASD	42.34	ok	ok	Preprocessed
USM (ABIDE I)	0050530	ASD	18.25	ok	Spike and motion	Preprocessed
USM (ABIDE I)	0050531	ASD	28.09	ok	Spike and motion	Discarded
CALTECH (ABIDE	0051456	ASD	55.40	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051457	ASD	22.90	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051458	ASD	39.20	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051459	ASD	22.80	ok	ok	Analyzed
CALTECH (ABIDE	0051461	ASD	37.70	ok	Motion	Preprocessed
CALTECH (ABIDE	0051464	ASD	20.90	ok	ok	Analyzed
CALTECH (ABIDE	0051465	ASD	20.20	ok	ok	FD ok
CALTECH (ABIDE	0051466	ASD	27.60	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051467	ASD	23.40	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051468	ASD	20.10	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051469	ASD	45.10	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051470	ASD	29.10	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051474	ASD	20.90	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051475	CONTROL	44.20	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051476	CONTROL	39.30	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051477	CONTROL	42.50	ok	ok	FD ok
CALTECH (ABIDE	0051478	CONTROL	19.70	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051481	CONTROL	27.90	ok	Motion	Preprocessed
CALTECH (ABIDE	0051483	CONTROL	20.90	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051484	CONTROL	23.60	ok	ok	Preprocessed
CALTECH (ABIDE	0051485	CONTROL	23.90	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051486	CONTROL	22.00	ok	ok	Analyzed
CALTECH (ABIDE	0051488	CONTROL	23.30	ok	ok	Analyzed
CALTECH (ABIDE	0051489	CONTROL	34.10	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051490	CONTROL	44.10	ok	Brain partly missing	Discarded
CALTECH (ABIDE	0051491	CONTROL	56.20	ok	ok	FD ok
CALTECH (ABIDE	0051492	CONTROL	18.70	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050642	ASD	33.00	ok	ok	FD ok
CMU (ABIDE I)	0050643	ASD	21.00	Brain partly missing	Brain partly missing	Discarded
CMU (ABIDE I)	0050645	ASD	20.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050646	ASD	21.00	ok	ok	Preprocessed
CMU (ABIDE I)	0050647	ASD	27.00	ok	ok	Analyzed
CMU (ABIDE I)	0050649	ASD	22.00	ok	ok	Analyzed
CMU (ABIDE I)	0050651	ASD	39.00	Brain partly missing	Brain partly missing	Discarded
CMU (ABIDE I)	0050652	ASD	24.00	Brain partly missing	Brain partly missing	Discarded
CMU (ABIDE I)	0050653	ASD	30.00	ok	Brain partly missing	Discarded

CMU (ABIDE I)	0050654	ASD	24.00	ok	ok	Analyzed
CMU (ABIDE I)	0050655	ASD	27.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050657	CONTROL	21.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050658	CONTROL	27.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050659	CONTROL	27.00	ok	Motion	Analyzed
CMU (ABIDE I)	0050660	CONTROL	25.00	ok	ok	Analyzed
CMU (ABIDE I)	0050663	CONTROL	21.00	ok	ok	Preprocessed
CMU (ABIDE I)	0050664	CONTROL	21.00	ok	ok	Preprocessed
CMU (ABIDE I)	0050665	CONTROL	33.00	ok	ok	Preprocessed
CMU (ABIDE I)	0050666	CONTROL	31.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050667	CONTROL	40.00	ok	Brain partly missing	Discarded
CMU (ABIDE I)	0050668	CONTROL	25.00	ok	ok	Analyzed
TCD (ABIDE I)	0050232	ASD	23.08	ok	Motion	Preprocessed
TCD (ABIDE I)	0050233	ASD	20.75	ok	ok	Analyzed
TCD (ABIDE I)	0050236	ASD	19.16	ok	Motion	Preprocessed
TCD (ABIDE I)	0050237	ASD	21.42	ok	ok	Preprocessed
TCD (ABIDE I)	0050238	ASD	18.92	ok	Motion	Preprocessed
TCD (ABIDE I)	0050244	ASD	25.91	ok	ok	Preprocessed
TCD (ABIDE I)	0050245	ASD	21.58	ok	ok	Analyzed
TCD (ABIDE I)	0050246	ASD	19.50	RF inhomogeneities	Motion	Preprocessed
TCD (ABIDE I)	0050253	ASD	18.01	RF inhomogeneities	ok	Analyzed
TCD (ABIDE I)	0050254	ASD	19.41	ok	ok	Analyzed
TCD (ABIDE I)	0050259	CONTROL	19.83	ok	ok	FD ok
TCD (ABIDE I)	0050260	CONTROL	20.33	ok	ok	Analyzed
TCD (ABIDE I)	0050261	CONTROL	20.08	ok	ok	Analyzed
TCD (ABIDE I)	0050262	CONTROL	21.33	ok	ok	Preprocessed
TCD (ABIDE I)	0050263	CONTROL	19.08	ok	ok	Analyzed
TCD (ABIDE I)	0050264	CONTROL	25.66	ok	ok	FD ok
TCD (ABIDE I)	0050270	CONTROL	19.33	ok	ok	Preprocessed
TCD (ABIDE I)	0050271	CONTROL	19.66	ok	ok	FD ok
TCD (ABIDE I)	0051132	CONTROL	24.83	ok	ok	FD ok
TCD (ABIDE I)	0051139	CONTROL	19.50	ok	ok	Analyzed

Table 2: List of ABIDE subjects ID for the study. The list details the subjects included after the restrictions for age range, gender, and repetition time (TR) were applied (n=231 subjects). These restrictions are described fully in the Materials and Methods section of the main article. Subjects are arranged according to their scan sites. For each subject, we list the group, age rounded to hundredths, and artifacts found in the structural and functional images. Based on this image quality control measure, we discarded 50 subjects whose data has artifacts that could prevent preprocessing (see Materials and Methods section of the main article, Image quality control supplementary section, and supplementary file A1 for details). These subjects are labeled as “Discarded” in the Status column. Then, we preprocessed 181 subjects and analyzed their framewise displacement (see section). Subjects whose images did not comply with our framewise displacement restriction were labeled as “Preprocessed”, whereas subjects who complied were labeled as “FD ok” in the Status column. Finally, we only analyze subjects who were age-matched. These subjects are labeled as “Analyzed” in the Status column, i.e. the included subjects are those whose status is “Analyzed”.

Subject ID	Group	Age	Gender	Status
sub-60001	BIPOLAR	48	M	Analyzed
sub-60005	BIPOLAR	50	F	Analyzed
sub-60006	BIPOLAR	22	M	Preprocessed
sub-60008	BIPOLAR	36	F	Analyzed
sub-60010	BIPOLAR	40	M	Preprocessed
sub-60011	BIPOLAR	31	M	Preprocessed
sub-60012	BIPOLAR	36	M	Analyzed
sub-60014	BIPOLAR	44	F	Analyzed
sub-60015	BIPOLAR	22	F	Analyzed
sub-60016	BIPOLAR	26	M	Preprocessed
sub-60017	BIPOLAR	46	M	Preprocessed
sub-60020	BIPOLAR	22	M	Analyzed
sub-60021	BIPOLAR	45	F	Preprocessed
sub-60022	BIPOLAR	47	F	Analyzed
sub-60028	BIPOLAR	36	F	Analyzed
sub-60030	BIPOLAR	23	F	Analyzed
sub-60033	BIPOLAR	31	F	Preprocessed
sub-60036	BIPOLAR	45	F	Analyzed
sub-60037	BIPOLAR	23	F	Preprocessed
sub-60038	BIPOLAR	26	M	Analyzed
sub-60042	BIPOLAR	34	M	Analyzed
sub-60043	BIPOLAR	40	F	Preprocessed
sub-60045	BIPOLAR	26	F	Preprocessed
sub-60046	BIPOLAR	38	M	Preprocessed
sub-60048	BIPOLAR	40	M	Preprocessed
sub-60049	BIPOLAR	22	F	Analyzed
sub-60051	BIPOLAR	36	M	Preprocessed
sub-60052	BIPOLAR	42	M	Preprocessed
sub-60053	BIPOLAR	21	M	Preprocessed
sub-60055	BIPOLAR	46	M	Analyzed
sub-60056	BIPOLAR	42	F	Analyzed
sub-60057	BIPOLAR	35	F	Analyzed
sub-60060	BIPOLAR	23	M	Analyzed
sub-60062	BIPOLAR	25	M	Preprocessed
sub-60065	BIPOLAR	37	F	Preprocessed
sub-60066	BIPOLAR	43	M	Preprocessed
sub-60068	BIPOLAR	46	M	Preprocessed
sub-60070	BIPOLAR	37	M	Preprocessed
sub-60072	BIPOLAR	25	F	Analyzed
sub-60073	BIPOLAR	50	M	Preprocessed
sub-60074	BIPOLAR	34	F	Preprocessed
sub-60076	BIPOLAR	29	M	Analyzed
sub-60077	BIPOLAR	48	M	Preprocessed
sub-60078	BIPOLAR	47	M	Preprocessed
sub-60079	BIPOLAR	33	M	Analyzed
sub-60080	BIPOLAR	29	M	Preprocessed
sub-60084	BIPOLAR	32	F	Preprocessed
sub-60087	BIPOLAR	41	M	Analyzed
sub-60089	BIPOLAR	29	F	Preprocessed
sub-10159	CONTROL	30	F	Analyzed
sub-10171	CONTROL	24	M	Preprocessed
sub-10189	CONTROL	49	M	Preprocessed
sub-10193	CONTROL	40	M	Discarded
sub-10206	CONTROL	21	M	Analyzed

sub-10217	CONTROL	33	F	Analyzed
sub-10225	CONTROL	35	M	Preprocessed
sub-10227	CONTROL	31	F	Preprocessed
sub-10228	CONTROL	40	F	Preprocessed
sub-10235	CONTROL	22	M	Preprocessed
sub-10249	CONTROL	28	M	Preprocessed
sub-10269	CONTROL	38	M	Preprocessed
sub-10271	CONTROL	41	F	Preprocessed
sub-10273	CONTROL	30	F	FD ok
sub-10274	CONTROL	43	M	FD ok
sub-10280	CONTROL	27	M	FD ok
sub-10290	CONTROL	48	M	Preprocessed
sub-10292	CONTROL	49	M	Analyzed
sub-10299	CONTROL	25	M	Discarded
sub-10304	CONTROL	23	F	Preprocessed
sub-10316	CONTROL	29	M	Preprocessed
sub-10321	CONTROL	34	M	Preprocessed
sub-10325	CONTROL	29	F	FD ok
sub-10329	CONTROL	22	M	Preprocessed
sub-10339	CONTROL	45	F	Preprocessed
sub-10340	CONTROL	32	M	Analyzed
sub-10345	CONTROL	25	M	FD ok
sub-10347	CONTROL	25	F	Analyzed
sub-10356	CONTROL	43	F	Preprocessed
sub-10361	CONTROL	42	F	Preprocessed
sub-10365	CONTROL	24	F	Preprocessed
sub-10376	CONTROL	42	F	Preprocessed
sub-10377	CONTROL	49	M	Analyzed
sub-10388	CONTROL	50	F	Preprocessed
sub-10428	CONTROL	25	F	Discarded
sub-10429	CONTROL	36	F	Preprocessed
sub-10438	CONTROL	25	M	Preprocessed
sub-10440	CONTROL	26	F	FD ok
sub-10448	CONTROL	37	M	Analyzed
sub-10455	CONTROL	25	M	Preprocessed
sub-10460	CONTROL	40	M	Preprocessed
sub-10471	CONTROL	30	F	FD ok
sub-10478	CONTROL	21	F	FD ok
sub-10487	CONTROL	31	M	Preprocessed
sub-10492	CONTROL	22	F	Analyzed
sub-10501	CONTROL	21	F	Discarded
sub-10506	CONTROL	25	M	FD ok
sub-10517	CONTROL	21	F	FD ok
sub-10523	CONTROL	24	M	FD ok
sub-10524	CONTROL	46	F	Preprocessed
sub-10525	CONTROL	24	M	Preprocessed
sub-10527	CONTROL	24	M	Preprocessed
sub-10530	CONTROL	23	M	Preprocessed
sub-10557	CONTROL	26	M	Analyzed
sub-10565	CONTROL	25	F	FD ok
sub-10570	CONTROL	32	F	Preprocessed
sub-10575	CONTROL	23	M	Analyzed
sub-10624	CONTROL	28	M	Preprocessed
sub-10629	CONTROL	31	M	FD ok
sub-10631	CONTROL	21	F	FD ok

sub-10638	CONTROL	25	F	FD ok
sub-10668	CONTROL	25	F	FD ok
sub-10672	CONTROL	29	M	Analyzed
sub-10674	CONTROL	42	F	Analyzed
sub-10678	CONTROL	24	F	FD ok
sub-10680	CONTROL	22	F	Analyzed
sub-10686	CONTROL	26	F	FD ok
sub-10692	CONTROL	28	F	FD ok
sub-10696	CONTROL	25	F	FD ok
sub-10697	CONTROL	39	M	FD ok
sub-10704	CONTROL	32	M	Analyzed
sub-10707	CONTROL	28	M	FD ok
sub-10708	CONTROL	25	M	Preprocessed
sub-10719	CONTROL	23	F	Analyzed
sub-10724	CONTROL	22	F	FD ok
sub-10746	CONTROL	23	M	FD ok
sub-10762	CONTROL	41	F	Analyzed
sub-10779	CONTROL	38	M	FD ok
sub-10785	CONTROL	36	F	Analyzed
sub-10788	CONTROL	35	F	Preprocessed
sub-10844	CONTROL	26	M	FD ok
sub-10855	CONTROL	47	M	Analyzed
sub-10871	CONTROL	41	M	Analyzed
sub-10877	CONTROL	23	M	FD ok
sub-10882	CONTROL	23	M	Preprocessed
sub-10891	CONTROL	21	F	FD ok
sub-10893	CONTROL	25	F	Preprocessed
sub-10912	CONTROL	44	F	Analyzed
sub-10934	CONTROL	37	F	Preprocessed
sub-10940	CONTROL	25	M	FD ok
sub-10948	CONTROL	22	F	Discarded
sub-10949	CONTROL	27	M	Preprocessed
sub-10958	CONTROL	30	F	Preprocessed
sub-10963	CONTROL	45	F	Preprocessed
sub-10968	CONTROL	24	M	Preprocessed
sub-10971	CONTROL	27	F	Discarded
sub-10975	CONTROL	32	M	Preprocessed
sub-10977	CONTROL	47	M	Preprocessed
sub-10987	CONTROL	26	F	FD ok
sub-10998	CONTROL	49	M	Preprocessed
sub-11019	CONTROL	47	M	Preprocessed
sub-11030	CONTROL	40	M	preprocessed
sub-11044	CONTROL	40	M	FD ok
sub-11050	CONTROL	48	M	Preprocessed
sub-11052	CONTROL	26	M	FD ok
sub-11059	CONTROL	22	F	FD ok
sub-11061	CONTROL	45	F	preprocessed
sub-11062	CONTROL	49	F	preprocessed
sub-11066	CONTROL	37	M	FD ok
sub-11067	CONTROL	23	F	FD ok
sub-11068	CONTROL	39	M	FD ok
sub-11077	CONTROL	22	F	FD ok
sub-11082	CONTROL	25	F	Discarded
sub-11088	CONTROL	21	F	FD ok
sub-11090	CONTROL	24	M	FD ok

sub-11097	CONTROL	43	M	FD ok
sub-11098	CONTROL	39	M	FD ok
sub-11104	CONTROL	21	M	preprocessed
sub-11105	CONTROL	27	F	FD ok
sub-11106	CONTROL	27	M	Preprocessed
sub-11108	CONTROL	21	F	FD ok
sub-11112	CONTROL	29	M	FD ok
sub-11121	CONTROL	25	M	Discarded
sub-11122	CONTROL	40	F	Preprocessed
sub-11128	CONTROL	28	F	Preprocessed
sub-11131	CONTROL	38	F	Analyzed
sub-11142	CONTROL	24	M	Preprocessed
sub-11143	CONTROL	28	M	FD ok
sub-11149	CONTROL	32	M	FD ok
sub-11156	CONTROL	25	F	FD ok

Table 3: List of UCLA subjects ID for the study. The list details the subjects included after the restrictions for diagnosis were applied (179 subjects). These restrictions are described fully in the Materials and Methods section of the main article. For each subject, we list the group and age. We discarded 8 subjects who do not have rs-fMRI or T1-weghted images and labeled them as “Discarded” in the Status column. Then, we preprocessed 171 subjects and analyzed their framewise displacement (see section). Subjects whose images did not comply with our framewise displacement restriction were labeled as “Preprocessed”, whereas subjects who complied were labeled as “FD ok” in the Status column. Finally, we only analyze subjects who were age and gender-matched. These subjects are labeled as “Analyzed” in the Status column, i.e. the included subjects are those whose status is “Analyzed”.

Node nur	ROI label	ROI name	Centroid MNI	Number of voxels	Systems assignment
1	SFG_L_7_1	A8m, medial area 8 left	[-4,16,52]	719	Cingulo-opercular task control
2	SFG_R_7_1	A8m, medial area 8 right	[6,16,54]	802	Cingulo-opercular task control
3	SFG_L_7_2	A8dl, dorsolateral area 8 left	[-18,24,52]	771	Default mode network
4	SFG_R_7_2	A8dl, dorsolateral area 8 right	[22,26,50]	638	Default mode network
5	SFG_L_7_3	A9l, lateral area 9 left	[-12,48,38]	683	Default mode network
6	SFG_R_7_3	A9l, lateral area 9 right	[12,48,40]	842	Default mode network
7	SFG_L_7_4	A6dl, dorsolateral area 6 left	[-18,0,64]	524	Cingulo-opercular task control
8	SFG_R_7_4	A6dl, dorsolateral area 6 right	[20,4,62]	521	Cingulo-opercular task control
9	SFG_L_7_5	A6m, medial area 6 left	[-6,-4,56]	696	Cingulo-opercular task control
10	SFG_R_7_5	A6m, medial area 6 right	[6,-4,58]	626	Cingulo-opercular task control
11	SFG_L_7_6	A9m,medial area 9 left	[-4,36,38]	705	Default mode network
12	SFG_R_7_6	A9m,medial area 9 right	[6,38,36]	887	Default mode network
13	SFG_L_7_7	A10m, medial area 10 left	[-8,54,16]	979	Default mode network
14	SFG_R_7_7	A10m, medial area 10 right	[8,56,14]	815	Default mode network
15	MFG_L_7_1	A9/46d, dorsal area 9/46 left	[-26,42,30]	986	Default mode network
16	MFG_R_7_1	A9/46d, dorsal area 9/46 right	[30,36,36]	909	Default mode network
17	MFG_L_7_2	IFJ, inferior frontal junction left	[-40,12,36]	747	Fronto-parietal task control
18	MFG_R_7_2	IFJ, inferior frontal junction right	[42,12,38]	592	Fronto-parietal task control
19	MFG_L_7_3	A46, area 46 left	[-28,56,12]	747	Salience
20	MFG_R_7_3	A46, area 46 right	[28,54,16]	929	Salience
21	MFG_L_7_4	A9/46v, ventral area 9/46 left	[-40,40,16]	896	Fronto-parietal task control
22	MFG_R_7_4	A9/46v, ventral area 9/46 right	[42,44,14]	819	Fronto-parietal task control
23	MFG_L_7_5	A8vl, ventrolateral area 8 left	[-32,22,44]	868	Default mode network
24	MFG_R_7_5	A8vl, ventrolateral area 8 right	[42,26,38]	663	Default mode network
25	MFG_L_7_6	A6vl, ventrolateral area 6 left	[-32,4,54]	573	Dorsal attention
26	MFG_R_7_6	A6vl, ventrolateral area 6 right	[32,8,54]	547	Dorsal attention
27	MFG_L_7_7	A10l, lateral area10 left	[-28,58,-4]	387	Default mode network
28	MFG_R_7_7	A10l, lateral area10 right	[26,60,-2]	626	Default mode network
29	IFG_L_6_1	A44d,dorsal area 44 left	[-46,14,24]	321	Fronto-parietal task control
30	IFG_R_6_1	A44d,dorsal area 44 right	[46,16,24]	342	Fronto-parietal task control
31	IFG_L_6_2	IFS, inferior frontal sulcus left	[-48,32,14]	362	Fronto-parietal task control
32	IFG_R_6_2	IFS, inferior frontal sulcus right	[48,34,14]	311	Fronto-parietal task control
33	IFG_L_6_3	A45c, caudal area 45 left	[-52,22,12]	286	Salience
34	IFG_R_6_3	A45c, caudal area 45 right	[54,24,12]	349	Salience
35	IFG_L_6_4	A45r, rostral area 45 left	[-48,36,-2]	353	Ventral attention
36	IFG_R_6_4	A45r, rostral area 45 right	[50,36,0]	377	Ventral attention

37	IFG_L_6_5	A44op, opercular area 44 left	[-40,24,4]	459	Salience
38	IFG_R_6_5	A44op, opercular area 44 right	[42,22,4]	557	Salience
39	IFG_L_6_6	A44v, ventral area 44 left	[-52,14,6]	284	Salience
40	IFG_R_6_6	A44v, ventral area 44 right	[54,14,12]	277	Salience
41	OrG_L_6_1	A14m, medial area 14 left	[-6,50,-8]	431	Default mode network
42	OrG_R_6_1	A14m, medial area 14 right	[6,48,-6]	619	Default mode network
43	OrG_L_6_2	A12/47o, orbital area 12/47 left	[-36,34,-16]	481	Default mode network
44	OrG_R_6_2	A12/47o, orbital area 12/47 right	[40,38,-14]	453	Default mode network
45	OrG_L_6_3	A11l, lateral area 11 left	[-24,40,-14]	523	Uncertain
46	OrG_R_6_3	A11l, lateral area 11 right	[26,36,-16]	772	Uncertain
47	OrG_L_6_4	A11m, medial area 11 left	[-6,50,-18]	228	Default mode network
48	OrG_R_6_4	A11m, medial area 11 right	[6,54,-16]	254	Default mode network
49	OrG_L_6_5	A13, area 13 left	[-12,16,-14]	312	Uncertain
50	OrG_R_6_5	A13, area 13 right	[10,22,-16]	311	Uncertain
51	OrG_L_6_6	A12/47l, lateral area 12/47 left	[-40,32,-10]	565	Default mode network
52	OrG_R_6_6	A12/47l, lateral area 12/47 right	[42,32,-8]	477	Default mode network
53	PrG_L_6_1	A4hf, area 4(head and face region) left	[-48,-8,38]	756	Sensory/somatomotor mouth
54	PrG_R_6_1	A4hf, area 4(head and face region) right	[54,-4,32]	448	Sensory/somatomotor mouth
55	PrG_L_6_2	A6cdl, caudal dorsolateral area 6 left	[-32,-8,58]	663	Dorsal attention
56	PrG_R_6_2	A6cdl, caudal dorsolateral area 6 right	[32,-6,56]	817	Dorsal attention
57	PrG_L_6_3	A4ul, area 4(upper limb region) left	[-26,-26,62]	580	Sensory/somatomotor hand
58	PrG_R_6_3	A4ul, area 4(upper limb region) right	[34,-20,58]	556	Sensory/somatomotor hand
59	PrG_L_6_4	A4t, area 4(trunk region) left	[-14,-22,70]	166	Sensory/somatomotor hand
60	PrG_R_6_4	A4t, area 4(trunk region) right	[16,-22,68]	280	Sensory/somatomotor hand
61	PrG_L_6_5	A4tl, area 4(tongue and larynx region) left	[-52,0,8]	406	Cingulo-opercular task control
62	PrG_R_6_5	A4tl, area 4(tongue and larynx region) right	[52,4,8]	381	Cingulo-opercular task control
63	PrG_L_6_6	A6cvl, caudal ventrolateral area 6 left	[-50,4,30]	720	Fronto-parietal task control

64	PrG_R_6_6	A6cvl, caudal ventrolateral area 6 right	[52,8,30]	659	Fronto-parietal task control
65	PCL_L_2_1	A1/2/3ll, area1/2/3 (lower limb region) left	[-8,-38,58]	323	Salience
66	PCL_R_2_1	A1/2/3ll, area1/2/3 (lower limb region) right	[10,-34,54]	457	Salience
67	PCL_L_2_2	A4ll, area 4, (lower limb region) left	[-4,-24,60]	461	Sensory/somatomotor hand
68	PCL_R_2_2	A4ll, area 4, (lower limb region) right	[4,-22,60]	567	Sensory/somatomotor hand
69	STG_L_6_1	A38m, medial area 38 left	[-34,12,-28]	176	Default mode network
70	STG_R_6_1	A38m, medial area 38 right	[34,10,-28]	174	Default mode network
71	STG_L_6_2	A41/42, area 41/42 left	[-52,-32,12]	453	Auditory
72	STG_R_6_2	A41/42, area 41/42 right	[54,-24,10]	367	Auditory
73	STG_L_6_3	TE1.0 and TE1.2 left	[-50,-12,2]	781	Auditory
74	STG_R_6_3	TE1.0 and TE1.2 right	[50,-4,-2]	699	Auditory
75	STG_L_6_4	A22c, caudal area 22 left	[-60,-34,6]	377	Auditory
76	STG_R_6_4	A22c, caudal area 22 right	[66,-22,8]	351	Auditory
77	STG_L_6_5	A38l, lateral area 38 left	[-44,8,-18]	384	Default mode network
78	STG_R_6_5	A38l, lateral area 38 right	[46,10,-18]	483	Default mode network
79	STG_L_6_6	A22r, rostral area 22 left	[-54,-4,-12]	491	Default mode network
80	STG_R_6_6	A22r, rostral area 22 right	[56,-14,-6]	351	Default mode network
81	MTG_L_4_1	A21c, caudal area 21 left	[-62,-34,-10]	211	Default mode network
82	MTG_R_4_1	A21c, caudal area 21 right	[62,-32,-12]	340	Default mode network
83	MTG_L_4_2	A21r, rostral area 21 left	[-52,0,-28]	322	Default mode network
84	MTG_R_4_2	A21r, rostral area 21 right	[50,6,-30]	528	Default mode network
85	MTG_L_4_3	A37dl, dorsolateral area37 left	[-58,-58,4]	434	Dorsal attention
86	MTG_R_4_3	A37dl, dorsolateral area37 right	[58,-54,2]	550	Dorsal attention
87	MTG_L_4_4	aSTS, anterior superior temporal sulcus left	[-56,-22,-10]	686	Default mode network
88	MTG_R_4_4	aSTS, anterior superior temporal sulcus right	[58,-16,-10]	1005	Default mode network
89	ITG_L_7_1	A20iv, intermediate ventral area 20 left	[-44,-22,-24]	106	Uncertain
90	ITG_R_7_1	A20iv, intermediate ventral area 20 right	[44,-18,-24]	29	Uncertain

91	ITG_L_7_2	A37elv, extreme lateroventral area37 left	[-48,-58,-10]	202	Fronto-parietal task control
92	ITG_R_7_2	A37elv, extreme lateroventral area37 right	[52,-52,-16]	109	Fronto-parietal task control
93	ITG_L_7_3	A20r, rostral area 20 left	[-42,-2,-34]	70	Uncertain
94	ITG_R_7_3	A20r, rostral area 20 right	[38,4,-36]	78	Uncertain
95	ITG_L_7_4	A20il, intermediate lateral area 20 left	[-52,-16,-26]	219	Uncertain
96	ITG_R_7_4	A20il, intermediate lateral area 20 right	[48,-8,-30]	41	Uncertain
97	ITG_L_7_5	A37vl, ventrolateral area 37 left	[-54,-60,-6]	336	Dorsal attention
98	ITG_R_7_5	A37vl, ventrolateral area 37 right	[54,-56,-8]	314	Dorsal attention
99	ITG_L_7_6	A20cl, caudolateral of area 20 left	[-56,-40,-14]	226	Uncertain
100	ITG_R_7_6	A20cl, caudolateral of area 20 right	[58,-44,-12]	108	Uncertain
101	ITG_L_7_7	A20cv, caudoventral of area 20 left	[-52,-34,-20]	29	Uncertain
102	ITG_R_7_7	A20cv, caudoventral of area 20 right	[50,-36,-16]	3	Uncertain
103	FuG_L_3_1	A20rv, rostroventral area 20 left	[-34,-28,-22]	431	Uncertain
104	FuG_R_3_1	A20rv, rostroventral area 20 right	[34,-26,-22]	325	Uncertain
105	FuG_L_3_2	A37mv, medioventral area37 left	[-30,-64,-14]	885	Visual
106	FuG_R_3_2	A37mv, medioventral area37 right	[30,-62,-14]	806	Visual
107	FuG_L_3_3	A37lv, lateroventral area37 left	[-42,-54,-16]	788	Uncertain
108	FuG_R_3_3	A37lv, lateroventral area37 right	[42,-52,-18]	696	Uncertain
109	PhG_L_6_1	A35/36r, rostral area 35/36 left	[-30,-8,-30]	46	Uncertain
110	PhG_R_6_1	A35/36r, rostral area 35/36 right	[28,-8,-32]	38	Uncertain
111	PhG_L_6_2	A35/36c, caudal area 35/36 left	[-22,-28,-24]	97	Uncertain
112	PhG_R_6_2	A35/36c, caudal area 35/36 right	[24,-26,-24]	102	Uncertain
113	PhG_L_6_3	TL, area TL (lateral PPHC, posterior parahippocampal gyrus) left	[-28,-32,-18]	167	Default mode network
114	PhG_R_6_3	TL, area TL (lateral PPHC, posterior parahippocampal gyrus) right	[30,-30,-18]	130	Default mode network
115	PhG_L_6_4	A28/34, area 28/34 (EC, entorhinal cortex) left	[-18,-20,-24]	67	Uncertain

116	PhG_R_6_4	A28/34, area 28/34 (EC, entorhinal cortex) right	[20,-16,-26]	41	Uncertain
117	PhG_L_6_5	TI, area TI(temporal agranular insular cortex) left	[-26,2,-28]	24	Uncertain
118	PhG_R_6_5	TI, area TI(temporal agranular insular cortex) right	[26,0,-32]	6	Uncertain
119	PhG_L_6_6	TH, area TH (medial PPHC) left	[-16,-40,-10]	155	Default mode network
120	PhG_R_6_6	TH, area TH (medial PPHC) right	[18,-36,-12]	161	Default mode network
121	pSTS_L_2_1	rpSTS, rostroposterior superior temporal sulcus left	[-54,-40,4]	310	Ventral attention
122	pSTS_R_2_1	rpSTS, rostroposterior superior temporal sulcus right	[52,-36,4]	341	Ventral attention
123	pSTS_L_2_2	cpSTS, caudoposterior superior temporal sulcus left	[-52,-50,10]	365	Ventral attention
124	pSTS_R_2_2	cpSTS, caudoposterior superior temporal sulcus right	[56,-40,12]	291	Ventral attention
125	SPL_L_5_1	A7r, rostral area 7 left	[-16,-60,60]	253	Dorsal attention
126	SPL_R_5_1	A7r, rostral area 7 right	[20,-56,62]	336	Dorsal attention
127	SPL_L_5_2	A7c, caudal area 7 left	[-16,-70,50]	392	Dorsal attention
128	SPL_R_5_2	A7c, caudal area 7 right	[18,-68,54]	409	Dorsal attention
129	SPL_L_5_3	A5l, lateral area 5 left	[-34,-46,50]	475	Dorsal attention
130	SPL_R_5_3	A5l, lateral area 5 right	[36,-42,54]	363	Dorsal attention
131	SPL_L_5_4	A7pc, postcentral area 7 left	[-24,-46,64]	403	Sensory/somatomotor hand
132	SPL_R_5_4	A7pc, postcentral area 7 right	[24,-42,64]	330	Sensory/somatomotor hand
133	SPL_L_5_5	A7ip, intraparietal area 7(hIP3) left	[-28,-58,54]	391	Fronto-parietal task control
134	SPL_R_5_5	A7ip, intraparietal area 7(hIP3) right	[30,-54,54]	462	Fronto-parietal task control
135	IPL_L_6_1	A39c, caudal area 39(PGp) left	[-34,-80,28]	907	Visual
136	IPL_R_6_1	A39c, caudal area 39(PGp) right	[44,-70,20]	976	Visual
137	IPL_L_6_2	A39rd, rostrodorsal area 39(Hip3) left	[-38,-60,46]	750	Fronto-parietal task control
138	IPL_R_6_2	A39rd, rostrodorsal area 39(Hip3) right	[38,-64,42]	838	Fronto-parietal task control
139	IPL_L_6_3	A40rd, rostrodorsal area 40(PFt) left	[-50,-34,42]	963	Sensory/somatomotor hand
140	IPL_R_6_3	A40rd, rostrodorsal area 40(PFt) right	[46,-36,44]	931	Sensory/somatomotor hand

141	IPL_L_6_4	A40c, caudal area 40(PFm) left	[-54,-50,38]	888	Salience
142	IPL_R_6_4	A40c, caudal area 40(PFm) right	[56,-44,38]	882	Salience
143	IPL_L_6_5	A39rv, rostroventral area 39(PGa) left	[-46,-64,26]	1474	Default mode network
144	IPL_R_6_5	A39rv, rostroventral area 39(PGa) right	[52,-54,24]	1178	Default mode network
145	IPL_L_6_6	A40rv, rostroventral area 40(PFop) left	[-52,-32,22]	994	Auditory
146	IPL_R_6_6	A40rv, rostroventral area 40(PFop) right	[54,-26,26]	1215	Auditory
147	Pcun_L_4_1	A7m, medial area 7(PEp) left	[-4,-64,50]	505	Memory retrieval
148	Pcun_R_4_1	A7m, medial area 7(PEp) right	[6,-64,52]	411	Memory retrieval
149	Pcun_L_4_2	A5m, medial area 5(PEm) left	[-8,-46,56]	541	Memory retrieval
150	Pcun_R_4_2	A5m, medial area 5(PEm) right	[8,-46,56]	607	Memory retrieval
151	Pcun_L_4_3	dmPOS, dorsomedial parietooccipital sulcus(PEr) left	[-12,-66,26]	873	Default mode network
152	Pcun_R_4_3	dmPOS, dorsomedial parietooccipital sulcus(PEr) right	[16,-64,26]	1039	Default mode network
153	Pcun_L_4_4	A31, area 31 (Lc1) left	[-6,-54,34]	777	Default mode network
154	Pcun_R_4_4	A31, area 31 (Lc1) right	[6,-54,34]	939	Default mode network
155	PoG_L_4_1	A1/2/3ulhf, area 1/2/3(upper limb, head and face region) left	[-48,-16,42]	811	Sensory/somatomotor hand
156	PoG_R_4_1	A1/2/3ulhf, area 1/2/3(upper limb, head and face region) right	[50,-14,44]	789	Sensory/somatomotor hand
157	PoG_L_4_2	A1/2/3tonIa, area 1/2/3(tongue and larynx region) left	[-54,-14,16]	575	Auditory
158	PoG_R_4_2	A1/2/3tonIa, area 1/2/3(tongue and larynx region) right	[54,-10,16]	572	Auditory
159	PoG_L_4_3	A2, area 2 left	[-46,-30,50]	678	Sensory/somatomotor hand
160	PoG_R_4_3	A2, area 2 right	[46,-26,48]	691	Sensory/somatomotor hand
161	PoG_L_4_4	A1/2/3tru, area1/2/3(trunk region) left	[-22,-34,66]	538	Sensory/somatomotor hand
162	PoG_R_4_4	A1/2/3tru, area1/2/3(trunk region) right	[22,-32,66]	417	Sensory/somatomotor hand
163	INS_L_6_1	G, hypergranular insula left	[-36,-20,10]	323	Auditory
164	INS_R_6_1	G, hypergranular insula right	[38,-18,8]	275	Auditory
165	INS_L_6_2	vIa, ventral agranular insula left	[-32,14,-14]	239	Salience

166	INS_R_6_2	vIa, ventral agranular insula right	[32,14,-14]	208	Salience
167	INS_L_6_3	dIa, dorsal agranular insula left	[-34,18,0]	249	Salience
168	INS_R_6_3	dIa, dorsal agranular insula right	[36,18,0]	225	Salience
169	INS_L_6_4	vId/vIg, ventral dysgranular and granular insula left	[-38,-4,-10]	269	Cingulo-opercular task control
170	INS_R_6_4	vId/vIg, ventral dysgranular and granular insula right	[40,-2,-8]	286	Cingulo-opercular task control
171	INS_L_6_5	dIg, dorsal granular insula left	[-38,-8,8]	286	Cingulo-opercular task control
172	INS_R_6_5	dIg, dorsal granular insula right	[38,-6,8]	273	Cingulo-opercular task control
173	INS_L_6_6	dId, dorsal dysgranular insula left	[-38,6,4]	410	Cingulo-opercular task control
174	INS_R_6_6	dId, dorsal dysgranular insula right	[38,6,4]	310	Cingulo-opercular task control
175	CG_L_7_1	A23d, dorsal area 23 left	[-4,-40,32]	483	Memory retrieval
176	CG_R_7_1	A23d, dorsal area 23 right	[4,-38,32]	409	Memory retrieval
177	CG_L_7_2	A24rv, rostroventral area 24 left	[-4,8,26]	213	Salience
178	CG_R_7_2	A24rv, rostroventral area 24 right	[4,20,14]	352	Salience
179	CG_L_7_3	A32p, pregenual area 32 left	[-6,34,20]	471	Salience
180	CG_R_7_3	A32p, pregenual area 32 right	[4,28,28]	376	Salience
181	CG_L_7_4	A23v, ventral area 23 left	[-8,-48,10]	357	Default mode network
182	CG_R_7_4	A23v, ventral area 23 right	[8,-44,10]	315	Default mode network
183	CG_L_7_5	A24cd, caudodorsal area 24 left	[-4,6,38]	365	Salience
184	CG_R_7_5	A24cd, caudodorsal area 24 right	[4,6,38]	255	Salience
185	CG_L_7_6	A23c, caudal area 23 left	[-8,-22,40]	612	Sensory/somatomotor hand
186	CG_R_7_6	A23c, caudal area 23 right	[6,-20,40]	549	Sensory/somatomotor hand
187	CG_L_7_7	A32sg, subgenual area 32 left	[-4,38,-2]	646	Default mode network
188	CG_R_7_7	A32sg, subgenual area 32 right	[6,40,6]	415	Default mode network
189	Cun_L_5_1	cLinG, caudal lingual gyrus left	[-10,-82,-10]	476	Uncertain
190	Cun_R_5_1	cLinG, caudal lingual gyrus right	[10,-86,-8]	580	Uncertain
191	Cun_L_5_2	rCunG, rostral cuneus gyrus left	[-4,-80,10]	774	Visual
192	Cun_R_5_2	rCunG, rostral cuneus gyrus right	[8,-76,10]	817	Visual
193	Cun_L_5_3	cCunG, caudal cuneus gyrus left	[-6,-94,2]	466	Visual
194	Cun_R_5_3	cCunG, caudal cuneus gyrus right	[8,-90,12]	609	Visual
195	Cun_L_5_4	rLinG, rostral lingual gyrus left	[-16,-60,-6]	758	Visual
196	Cun_R_5_4	rLinG, rostral lingual gyrus right	[18,-60,-6]	858	Visual
197	Cun_L_5_5	vmPOS,ventromedial parietooccipital sulcus left	[-12,-68,12]	999	Visual

198	Cun_R_5_5	vmPOS,ventromedial parietooccipital sulcus right	[14,-64,12]	1055	Visual
199	OcG_L_4_1	mOccG, middle occipital gyrus left	[-30,-88,10]	720	Visual
200	OcG_R_4_1	mOccG, middle occipital gyrus right	[34,-84,10]	696	Visual
201	OcG_L_4_2	V5/MT+, area V5/MT+ left	[-46,-74,4]	675	Visual
202	OcG_R_4_2	V5/MT+, area V5/MT+ right	[46,-70,0]	712	Visual
203	OcG_L_4_3	OPC, occipital polar cortex left	[-20,-98,6]	441	Visual
204	OcG_R_4_3	OPC, occipital polar cortex right	[22,-96,4]	535	Visual
205	OcG_L_4_4	iOccG, inferior occipital gyrus left	[-30,-86,-12]	786	Visual
206	OcG_R_4_4	iOccG, inferior occipital gyrus right	[32,-84,-12]	879	Visual
207	sOcG_L_2_1	msOccG, medial superior occipital gyrus left	[-10,-88,30]	519	Visual
208	sOcG_R_2_1	msOccG, medial superior occipital gyrus right	[16,-84,34]	538	Visual
209	sOcG_L_2_2	lsOccG, lateral superior occipital gyrus left	[-22,-76,34]	548	Visual
210	sOcG_R_2_2	lsOccG, lateral superior occipital gyrus right	[28,-74,36]	723	Visual
211	Amyg_L_2_1	mAmyg, medial amygdala left	[-20,-2,-20]	135	Subcortical
212	Amyg_R_2_1	mAmyg, medial amygdala right	[20,-2,-18]	171	Subcortical
213	Amyg_L_2_2	lAmyg, lateral amygdala left	[-26,-4,-20]	86	Uncertain
214	Amyg_R_2_2	lAmyg, lateral amygdala right	[28,-4,-20]	135	Uncertain
215	Hipp_L_2_1	rHipp, rostral hippocampus left	[-22,-14,-18]	519	Uncertain
216	Hipp_R_2_1	rHipp, rostral hippocampus right	[22,-14,-20]	437	Uncertain
217	Hipp_L_2_2	cHipp, caudal hippocampus left	[-28,-30,-10]	589	Default mode network
218	Hipp_R_2_2	cHipp, caudal hippocampus right	[30,-28,-10]	610	Default mode network
219	Str_L_6_1	vCa, ventral caudate left	[-12,14,0]	423	Subcortical
220	Str_R_6_1	vCa, ventral caudate right	[14,14,-2]	316	Subcortical
221	Str_L_6_2	GP, globus pallidus left	[-22,-2,4]	321	Subcortical
222	Str_R_6_2	GP, globus pallidus right	[22,-2,4]	318	Subcortical
223	Str_L_6_3	NAC, nucleus accumbens left	[-16,4,-10]	346	Subcortical
224	Str_R_6_3	NAC, nucleus accumbens right	[16,6,-8]	424	Subcortical
225	Str_L_6_4	vmPu, ventromedial putamen left	[-22,6,-4]	331	Subcortical
226	Str_R_6_4	vmPu, ventromedial putamen right	[22,6,-2]	293	Subcortical

227	Str_L_6_5	dCa, dorsal caudate left	[-14,2,16]	526	Subcortical
228	Str_R_6_5	dCa, dorsal caudate right	[14,6,14]	665	Subcortical
229	Str_L_6_6	dlPu, dorsolateral putamen left	[-30,-4,2]	612	Subcortical
230	Str_R_6_6	dlPu, dorsolateral putamen right	[30,-4,0]	553	Subcortical
231	Tha_L_8_1	mPFtha, medial pre-frontal thalamus left	[-6,-12,6]	200	Subcortical
232	Tha_R_8_1	mPFtha, medial pre-frontal thalamus right	[8,-10,6]	183	Subcortical
233	Tha_L_8_2	mPMtha, pre-motor thalamus left	[-18,-14,4]	117	Subcortical
234	Tha_R_8_2	mPMtha, pre-motor thalamus right	[12,-14,0]	194	Subcortical
235	Tha_L_8_3	Stha, sensory thalamus left	[-18,-22,4]	139	Subcortical
236	Tha_R_8_3	Stha, sensory thalamus right	[18,-22,4]	149	Subcortical
237	Tha_L_8_4	rTtha, rostral temporal thalamus left	[-6,-12,6]	202	Subcortical
238	Tha_R_8_4	rTtha, rostral temporal thalamus right	[2,-12,6]	208	Subcortical
239	Tha_L_8_5	PPtha, posterior parietal thalamus left	[-16,-24,6]	244	Subcortical
240	Tha_R_8_5	PPtha, posterior parietal thalamus right	[16,-26,6]	211	Subcortical
241	Tha_L_8_6	Otha, occipital thalamus left	[-16,-28,4]	243	Subcortical
242	Tha_R_8_6	Otha, occipital thalamus right	[14,-28,8]	166	Subcortical
243	Tha_L_8_7	cTtha, caudal temporal thalamus left	[-12,-22,12]	214	Subcortical
244	Tha_R_8_7	cTtha, caudal temporal thalamus right	[10,-14,14]	158	Subcortical
245	Tha_L_8_8	lPFtha, lateral pre-frontal thalamus left	[-12,-14,2]	365	Subcortical
246	Tha_R_8_8	lPFtha, lateral pre-frontal thalamus right	[12,-16,6]	279	Subcortical

Table 4: Brainnetome Regions of Interest (ROI) used for the analysis of the ABIDE data. The Brainnetome (Fan et al., 2016) ROI labels and their centroids in MNI space are listed. For each Brainnetome ROI, we select the voxels in which all ABIDE subjects have data. The number of voxels comprising these ROIs are listed in the “Number of voxels” column. Finally, we assign each ROI to a system defined in Power et al. (2011). The assigned system is listed in the “Systems assignment” column.

Node num	ROI label	Centroid MNI	Number of voxels	Systems assignment
1	roi 1	[24,-10,62]	1310	Cingulo-opercular task control
2	roi 2	[-34,-50,-30]	871	Uncertain
3	roi 3	[-26,12,-2]	1620	Subcortical
4	roi 4	[40,-18,8]	1584	Auditory
5	roi 5	[0,14,36]	1702	Cingulo-opercular task control
6	roi 6	[-46,18,28]	1450	Fronto-parietal task control
7	roi 7	[2,-32,-34]	918	Uncertain
8	roi 8	[34,-70,-30]	1176	Cerebullum
9	roi 9	[58,-32,22]	1548	Auditory
10	roi 10	[-50,-66,12]	1463	Dorsal attention
11	roi 11	[-56,-20,-2]	1171	Auditory
12	roi 12	[34,-2,-32]	360	Uncertain
13	roi 13	[0,32,-10]	1115	Default mode network
14	roi 14	[48,30,-2]	1272	Ventral attention
15	roi 15	[-12,-28,4]	1280	Subcortical
16	roi 16	[-34,-70,-30]	1034	Uncertain
17	roi 17	[-12,-82,30]	1714	Visual
18	roi 18	[26,-32,-20]	1573	Default mode network
19	roi 19	[-26,-6,60]	1327	Dorsal attention
20	roi 20	[36,52,-6]	906	Fronto-parietal task control
21	roi 21	[0,38,18]	1900	Default mode network
22	roi 22	[-36,50,-8]	719	Fronto-parietal task control
23	roi 23	[-38,-12,4]	1664	Subcortical
24	roi 24	[46,-22,46]	1551	Sensory/somatomotor hand
25	roi 25	[50,14,22]	1507	Fronto-parietal task control
26	roi 26	[-6,-58,18]	1976	Default mode network
27	roi 27	[44,8,-24]	1227	Default mode network
28	roi 28	[-32,-86,16]	1120	Visual
29	roi 29	[-36,28,-12]	1025	Uncertain
30	roi 30	[0,-32,-18]	1965	Subcortical
31	roi 31	[20,60,10]	1003	Default mode network
32	roi 32	[-16,-54,60]	1319	Dorsal attention
33	roi 33	[0,-40,40]	2392	Default mode network
34	roi 34	[16,-58,-14]	2532	Cerebullum
35	roi 35	[-58,-42,0]	1128	Ventral attention
36	roi 36	[58,-34,-2]	1560	Default mode network
37	roi 37	[42,4,46]	1303	Fronto-parietal task control
38	roi 38	[-14,-78,-26]	1490	Uncertain
39	roi 39	[-46,36,6]	1279	Ventral attention
40	roi 40	[0,54,-4]	1561	Default mode network
41	roi 41	[28,-60,52]	1388	Fronto-parietal task control
42	roi 42	[-48,-58,-12]	1141	Fronto-parietal task control
43	roi 43	[56,-4,2]	1785	Auditory
44	roi 44	[20,46,34]	1128	Default mode network
45	roi 45	[-2,-2,-6]	1273	Subcortical
46	roi 46	[-54,-10,-20]	848	Default mode network
47	roi 47	[50,-48,40]	1439	Fronto-parietal task control
48	roi 48	[14,12,0]	1090	Subcortical
49	roi 49	[-34,-72,38]	1505	Fronto-parietal task control
50	roi 50	[12,-78,-24]	1481	Uncertain

51	roi 51	[-28,56,12]	1061	Salience
52	roi 52	[-58,-12,28]	1251	Auditory
53	roi 53	[0,-58,-32]	1448	Cerebullum
54	roi 54	[36,-82,14]	1103	Visual
55	roi 55	[26,-4,-16]	1866	Subcortical
56	roi 56	[-48,-24,46]	1527	Sensory/somatomotor hand
57	roi 57	[48,-58,-12]	1458	Dorsal attention
58	roi 58	[-28,-34,-18]	1545	Default mode network
59	roi 59	[-2,4,60]	1623	Cingulo-opercular task control
60	roi 60	[-26,40,34]	1245	Default mode network
61	roi 61	[40,42,18]	1279	Fronto-parietal task control
62	roi 62	[10,-48,62]	1142	Sensory/somatomotor hand
63	roi 63	[-42,8,-20]	1188	Default mode network
64	roi 64	[-34,-82,-12]	1172	Visual
65	roi 65	[-28,-8,-18]	1651	Uncertain
66	roi 66	[-40,-50,48]	1456	Fronto-parietal task control
67	roi 67	[-2,34,46]	1753	Fronto-parietal task control
68	roi 68	[-52,6,4]	1610	Cingulo-opercular task control
69	roi 69	[34,-82,-12]	1258	Visual
70	roi 70	[20,16,56]	1221	Fronto-parietal task control
71	roi 71	[-14,6,10]	560	Subcortical
72	roi 72	[-10,-94,0]	962	Uncertain
73	roi 73	[-26,18,52]	1314	Fronto-parietal task control
74	roi 74	[34,8,2]	1616	Cingulo-opercular task control
75	roi 75	[-50,-32,16]	1461	Ventral attention
76	roi 76	[6,-12,10]	1001	Subcortical
77	roi 77	[-4,56,24]	1400	Default mode network
78	roi 78	[32,-36,58]	1367	Sensory/somatomotor hand
79	roi 79	[-18,-58,-12]	2463	Visual
80	roi 81	[0,-64,46]	1741	Memory retrieval
81	roi 82	[-28,-34,64]	1050	Sensory/somatomotor hand
82	roi 83	[16,-34,0]	1191	Default mode network
83	roi 84	[-54,-52,32]	1328	Salience
84	roi 85	[32,26,-14]	1084	Uncertain
85	roi 86	[40,-70,34]	1189	Default mode network
86	roi 87	[0,-14,42]	1872	Sensory/somatomotor hand
87	roi 88	[56,-10,30]	1146	Sensory/somatomotor mouth
88	roi 89	[14,-62,10]	1916	Visual
89	roi 90	[-36,-2,-32]	291	Uncertain
90	roi 91	[-6,-74,2]	1853	Visual
91	roi 92	[14,-78,32]	1659	Visual
92	roi 93	[12,-92,2]	1247	Visual
93	roi 94	[34,-48,-32]	886	Cerebullum
94	roi 95	[34,28,40]	1187	Fronto-parietal task control
95	roi 97	[-44,2,44]	1112	Salience
96	roi 98	[-2,-24,64]	1521	Sensory/somatomotor hand
97	roi 99	[56,-10,-18]	867	Default mode network
98	roi 100	[52,-58,14]	1547	Default mode network

Table 5: Craddock100 Regions of Interest (ROI) used for the analysis of the ABIDE data. The Craddock Atlas for 98 regions (Craddock et al., 2012) ROI labels and their centroids in MNI space are listed. For each Craddock ROI, we select the voxels in which all ABIDE subjects have data. The number of voxels comprising these ROIs are listed in the “Number of voxels” column. Finally, we assign each ROI to a system defined in Power et al. (2011). The assigned system is listed in the “Systems assignment” column.

Node number	ROI label	Centroid MNI	Number of voxel	Systems assignment
1	roi 1	[-8,32,52]	400	Default mode network
2	roi 2	[26,2,4]	464	Cingulo-opercular task control
3	roi 3	[-62,-32,10]	396	Auditory
4	roi 4	[-20,-60,0]	512	Visual
5	roi 5	[-30,-58,-30]	521	Cerebullum
6	roi 6	[42,8,40]	407	Fronto-parietal task control
7	roi 7	[58,-40,32]	460	Auditory
8	roi 8	[14,-68,2]	504	Visual
9	roi 9	[-44,-20,-2]	544	Ventral attention
10	roi 10	[-44,12,-26]	258	Default mode network
11	roi 11	[-42,8,30]	424	Fronto-parietal task control
12	roi 12	[8,-40,-38]	136	Uncertain
13	roi 13	[58,-22,-18]	118	Uncertain
14	roi 14	[6,-40,54]	472	Default mode network
15	roi 15	[-6,56,-8]	336	Default mode network
16	roi 16	[-24,-36,64]	456	Sensory/somatomotor hand
17	roi 17	[50,-22,52]	438	Sensory/somatomotor hand
18	roi 18	[30,0,-34]	55	Uncertain
19	roi 19	[-28,0,6]	424	Subcortical
20	roi 20	[8,-32,-12]	564	Subcortical
21	roi 21	[-42,44,6]	355	Fronto-parietal task control
22	roi 22	[40,-78,16]	442	Default mode network
23	roi 23	[40,50,-10]	307	Fronto-parietal task control
24	roi 24	[-38,-46,42]	424	Fronto-parietal task control
25	roi 26	[24,22,50]	481	Default mode network
26	roi 27	[-14,12,6]	312	Subcortical
27	roi 28	[36,-22,14]	344	Auditory
28	roi 29	[34,-66,-36]	332	Cerebullum
29	roi 30	[-28,-6,52]	440	Dorsal attention
30	roi 31	[-30,-72,-34]	273	Uncertain
31	roi 32	[6,32,28]	416	Salience
32	roi 33	[10,-22,10]	367	Subcortical
33	roi 34	[-32,-2,-34]	77	Uncertain
34	roi 35	[22,-4,64]	355	Cingulo-opercular task control
35	roi 36	[-40,-30,14]	328	Auditory
36	roi 37	[32,-88,-12]	435	Visual
37	roi 38	[0,-40,28]	440	Memory retrieval
38	roi 39	[-34,24,-2]	432	Salience
39	roi 40	[40,-54,-34]	278	Cerebullum
40	roi 41	[26,58,-6]	285	Default mode network
41	roi 42	[-28,48,-14]	185	Fronto-parietal task control
42	roi 44	[56,-6,-22]	244	Default mode network
43	roi 45	[-44,-62,-8]	392	Visual
44	roi 46	[8,-14,68]	324	Sensory/somatomotor hand
45	roi 47	[-8,56,24]	440	Default mode network
46	roi 48	[-30,34,-16]	271	Uncertain
47	roi 49	[8,-86,22]	440	Visual
48	roi 50	[36,20,4]	568	Salience
49	roi 51	[-54,-2,-22]	248	Default mode network
50	roi 52	[-28,-40,-32]	253	Default mode network

51	roi 53	[-24,-84,-30]	293	Default mode network
52	roi 54	[-4,8,32]	391	Cingulo-opercular task control
53	roi 55	[-36,34,30]	373	Salience
54	roi 56	[36,-14,2]	464	Subcortical
55	roi 57	[-6,-12,8]	444	Subcortical
56	roi 58	[-46,-60,18]	472	Visual
57	roi 59	[10,-82,-30]	322	Uncertain
58	roi 60	[38,-38,44]	464	Sensory/somatomotor hand
59	roi 61	[-44,-60,46]	457	Fronto-parietal task control
60	roi 62	[10,-44,66]	259	Sensory/somatomotor hand
61	roi 63	[-2,-28,-38]	209	Uncertain
62	roi 64	[30,32,-16]	347	Uncertain
63	roi 65	[6,42,-2]	456	Default mode network
64	roi 66	[-30,-10,-8]	488	Subcortical
65	roi 67	[58,0,18]	514	Auditory
66	roi 68	[12,14,8]	348	Subcortical
67	roi 69	[6,-54,44]	552	Memory retrieval
68	roi 70	[-24,24,50]	381	Default mode network
69	roi 71	[16,-62,18]	384	Default mode network
70	roi 72	[-58,-18,-18]	248	Uncertain
71	roi 73	[14,-96,8]	299	Visual
72	roi 74	[6,60,4]	426	Default mode network
73	roi 75	[-44,-4,6]	520	Sensory/somatomotor mouth
74	roi 76	[60,-40,18]	379	Ventral attention
75	roi 77	[38,32,30]	455	Fronto-parietal task control
76	roi 78	[42,14,-28]	299	Default mode network
77	roi 79	[-28,-84,24]	467	Visual
78	roi 80	[8,-58,60]	415	Sensory/somatomotor hand
79	roi 81	[48,-62,-26]	66	Uncertain
80	roi 82	[-2,-6,-12]	330	Subcortical
81	roi 83	[-38,2,54]	364	Salience
82	roi 84	[36,54,2]	299	Fronto-parietal task control
83	roi 85	[-48,30,16]	419	Salience
84	roi 86	[-8,-80,8]	552	Visual
85	roi 87	[24,-36,64]	382	Sensory/somatomotor hand
86	roi 88	[58,-50,-8]	272	Default mode network
87	roi 89	[-36,-16,12]	352	Sensory/somatomotor mouth
88	roi 90	[-28,-38,-8]	464	Default mode network
89	roi 91	[6,16,38]	384	Cingulo-opercular task control
90	roi 92	[50,28,0]	441	Ventral attention
91	roi 93	[-6,-56,-32]	488	Cerebullum
92	roi 94	[56,-54,24]	356	Default mode network
93	roi 95	[-42,44,-12]	334	Fronto-parietal task control
94	roi 96	[-16,-52,64]	371	Dorsal attention
95	roi 97	[32,-24,-18]	355	Uncertain
96	roi 98	[-50,8,-12]	329	Cingulo-opercular task control
97	roi 99	[50,-26,-2]	504	Auditory
98	roi 100	[6,-16,44]	400	Sensory/somatomotor hand
99	roi 101	[-42,-78,20]	389	Visual
100	roi 102	[-2,22,24]	399	Salience
101	roi 103	[-42,-80,-8]	308	Visual

102	roi 104	[28,42,30]	474	Default mode network
103	roi 105	[-38,-30,56]	520	Sensory/somatomotor hand
104	roi 106	[-48,0,-32]	149	Uncertain
105	roi 107	[0,28,-10]	380	Default mode network
106	roi 108	[24,44,-14]	152	Uncertain
107	roi 109	[-22,38,40]	424	Default mode network
108	roi 110	[28,-42,-34]	217	Uncertain
109	roi 111	[34,-58,42]	480	Fronto-parietal task control
110	roi 112	[58,-54,4]	426	Ventral attention
111	roi 113	[-54,2,28]	420	Sensory/somatomotor mouth
112	roi 114	[-40,-50,-34]	150	Uncertain
113	roi 115	[-20,-96,14]	304	Visual
114	roi 116	[-14,-64,16]	432	Default mode network
115	roi 117	[-20,14,-4]	376	Subcortical
116	roi 118	[-26,-16,66]	456	Sensory/somatomotor hand
117	roi 119	[48,-10,-10]	608	Default mode network
118	roi 120	[24,-78,-32]	453	Uncertain
119	roi 121	[-34,-10,-28]	266	Uncertain
120	roi 122	[50,-68,6]	451	Dorsal attention
121	roi 123	[44,42,4]	425	Fronto-parietal task control
122	roi 124	[-60,-40,-6]	252	Default mode network
123	roi 125	[16,-16,-20]	458	Uncertain
124	roi 126	[26,-88,22]	389	Visual
125	roi 127	[22,54,26]	353	Salience
126	roi 128	[16,-94,-6]	340	Uncertain
127	roi 129	[56,0,0]	428	Cingulo-opercular task control
128	roi 130	[-20,-14,-20]	404	Uncertain
129	roi 131	[26,-36,-8]	528	Default mode network
130	roi 132	[20,10,58]	393	Fronto-parietal task control
131	roi 133	[6,-54,28]	528	Default mode network
132	roi 134	[18,0,-12]	544	Subcortical
133	roi 135	[-58,-40,30]	444	Salience
134	roi 136	[-24,48,28]	406	Salience
135	roi 137	[52,-38,48]	423	Sensory/somatomotor hand
136	roi 138	[-4,10,50]	448	Cingulo-opercular task control
137	roi 139	[-8,-80,-28]	332	Uncertain
138	roi 140	[-28,54,14]	428	Salience
139	roi 141	[50,18,30]	490	Fronto-parietal task control
140	roi 142	[26,16,-18]	383	Uncertain
141	roi 143	[-10,-24,70]	304	Sensory/somatomotor hand
142	roi 144	[-10,-28,-6]	536	Subcortical
143	roi 145	[40,44,18]	389	Fronto-parietal task control
144	roi 146	[0,-86,-12]	432	Uncertain
145	roi 147	[-8,-18,42]	432	Sensory/somatomotor hand
146	roi 148	[50,4,-30]	288	Default mode network
147	roi 149	[-58,-56,-4]	340	Fronto-parietal task control
148	roi 150	[8,-52,6]	452	Default mode network
149	roi 151	[-8,46,40]	432	Default mode network
150	roi 152	[-34,-78,36]	409	Visual
151	roi 153	[38,-8,-30]	90	Uncertain
152	roi 154	[-42,28,-14]	428	Default mode network

153	roi 155	[22,16,-4]	392	Subcortical
154	roi 156	[46,-50,-18]	290	Uncertain
155	roi 157	[-34,-24,-18]	362	Default mode network
156	roi 158	[56,-26,38]	475	Sensory/somatomotor hand
157	roi 159	[-8,48,10]	470	Default mode network
158	roi 160	[-56,-12,34]	434	Auditory
159	roi 161	[36,22,42]	445	Default mode network
160	roi 162	[-16,-90,-16]	320	Uncertain
161	roi 163	[-60,-28,-8]	341	Default mode network
162	roi 164	[24,-66,52]	492	Fronto-parietal task control
163	roi 165	[44,36,-12]	373	Default mode network
164	roi 166	[38,-10,58]	417	Sensory/somatomotor hand
165	roi 167	[-34,54,0]	273	Fronto-parietal task control
166	roi 168	[8,56,-10]	261	Default mode network
167	roi 169	[0,34,12]	360	Default mode network
168	roi 170	[-8,-38,-28]	472	Uncertain
169	roi 171	[-8,-40,66]	408	Sensory/somatomotor hand
170	roi 172	[52,6,-14]	468	Cingulo-opercular task control
171	roi 174	[-46,-68,34]	395	Default mode network
172	roi 175	[-12,18,58]	334	Default mode network
173	roi 176	[26,-54,-12]	448	Cerebullum
174	roi 177	[-60,-10,14]	475	Auditory
175	roi 178	[-2,-22,-18]	448	Uncertain
176	roi 179	[-6,-44,-38]	148	Cerebullum
177	roi 180	[42,-74,-12]	405	Visual
178	roi 181	[-40,14,44]	390	Fronto-parietal task control
179	roi 182	[-30,16,-18]	368	Uncertain
180	roi 183	[0,42,-16]	375	Default mode network
181	roi 184	[-2,-8,54]	472	Sensory/somatomotor hand
182	roi 185	[-12,-70,-34]	379	Uncertain
183	roi 186	[-8,-88,24]	529	Visual
184	roi 187	[-46,-54,-18]	249	Uncertain
185	roi 189	[52,-2,40]	560	Sensory/somatomotor mouth
186	roi 190	[-2,-6,36]	408	Sensory/somatomotor hand
187	roi 191	[8,-10,10]	302	Subcortical
188	roi 192	[6,-70,-34]	378	Uncertain
189	roi 193	[62,-22,22]	499	Auditory
190	roi 194	[-58,-50,10]	451	Ventral attention
191	roi 195	[30,-10,-12]	408	Subcortical
192	roi 196	[6,60,20]	387	Default mode network
193	roi 197	[-42,-14,54]	429	Sensory/somatomotor hand
194	roi 198	[-8,-52,10]	505	Default mode network
195	roi 199	[62,-34,-10]	354	Default mode network
196	roi 200	[28,-4,50]	384	Dorsal attention
197	roi 201	[-46,-6,-14]	520	Default mode network
198	roi 202	[8,-82,0]	662	Visual
199	roi 203	[-50,20,4]	479	Salience
200	roi 204	[8,14,-8]	412	Subcortical
201	roi 205	[-10,-66,56]	417	Dorsal attention
202	roi 206	[-14,-76,-8]	496	Visual
203	roi 207	[-40,-72,-24]	345	Uncertain

204	roi 208	[-14,0,16]	184	Subcortical
205	roi 209	[56,-10,30]	462	Sensory/somatomotor mouth
206	roi 210	[24,-52,62]	384	Dorsal attention
207	roi 211	[28,-6,-26]	337	Uncertain
208	roi 212	[22,34,42]	506	Default mode network
209	roi 213	[10,-50,-12]	623	Visual
210	roi 215	[-36,-88,6]	382	Visual
211	roi 216	[-10,-36,42]	488	Salience
212	roi 217	[48,-66,28]	489	Default mode network
213	roi 218	[-30,-66,40]	512	Fronto-parietal task control
214	roi 219	[8,2,64]	436	Ventral attention
215	roi 221	[-20,-48,-24]	496	Cerebullum
216	roi 222	[-6,14,-8]	408	Subcortical
217	roi 223	[-10,62,10]	288	Default mode network
218	roi 224	[8,-70,50]	435	Memory retrieval
219	roi 225	[48,-54,42]	471	Fronto-parietal task control
220	roi 226	[-60,-26,26]	431	Auditory
221	roi 227	[20,62,10]	324	Default mode network
222	roi 228	[24,-56,-26]	632	Cerebullum
223	roi 229	[42,20,-12]	461	Default mode network
224	roi 231	[34,-76,30]	494	Default mode network
225	roi 232	[-4,26,40]	488	Salience
226	roi 233	[-50,-22,14]	464	Auditory
227	roi 234	[-12,-24,10]	384	Subcortical
228	roi 236	[-8,-52,32]	512	Default mode network
229	roi 237	[62,-18,4]	456	Auditory
230	roi 238	[-46,20,30]	443	Fronto-parietal task control
231	roi 239	[-48,-72,4]	440	Visual
232	roi 240	[-36,12,6]	344	Cingulo-opercular task control
233	roi 241	[38,-60,-20]	466	Cerebullum
234	roi 242	[34,-42,-20]	401	Default mode network
235	roi 243	[-28,12,52]	398	Fronto-parietal task control
236	roi 244	[-52,-36,2]	472	Ventral attention
237	roi 245	[6,-28,-30]	353	Uncertain
238	roi 246	[-16,-74,28]	520	Visual
239	roi 247	[50,-32,18]	544	Auditory
240	roi 248	[2,-70,18]	695	Visual
241	roi 249	[-6,38,26]	502	Default mode network
242	roi 250	[-30,-86,-14]	369	Visual
243	roi 251	[-50,-42,46]	474	Fronto-parietal task control
244	roi 252	[-6,-66,40]	519	Memory retrieval
245	roi 253	[32,-90,6]	270	Visual
246	roi 254	[-2,-66,0]	623	Visual
247	roi 255	[-32,2,-24]	467	Uncertain
248	roi 256	[-30,-70,-14]	487	Visual
249	roi 257	[4,-30,68]	288	Sensory/somatomotor hand
250	roi 258	[48,30,16]	440	Fronto-parietal task control
251	roi 259	[-14,-62,-18]	544	Cerebullum
252	roi 260	[48,-54,18]	496	Default mode network
253	roi 261	[-36,8,-34]	69	Default mode network
254	roi 262	[38,6,-6]	584	Cingulo-opercular task control

255	roi 263	[-54,2,2]	414	Cingulo-opercular task control
256	roi 264	[6,22,58]	553	Default mode network
257	roi 265	[38,-68,44]	394	Default mode network
258	roi 266	[-8,-48,-12]	648	Visual
259	roi 268	[-18,2,-12]	481	Subcortical
260	roi 269	[36,6,54]	495	Dorsal attention
261	roi 270	[18,-86,-18]	394	Uncertain
262	roi 272	[-54,-26,44]	439	Sensory/somatomotor hand
263	roi 273	[24,-72,-14]	656	Visual
264	roi 274	[-8,-48,52]	600	Memory retrieval
265	roi 276	[48,-14,12]	536	Auditory
266	roi 277	[10,-36,40]	472	Default mode network
267	roi 278	[8,-56,-34]	324	Cerebullum
268	roi 279	[-38,44,20]	366	Fronto-parietal task control
269	roi 281	[42,-16,42]	456	Sensory/somatomotor mouth
270	roi 282	[-22,2,64]	356	Cingulo-opercular task control
271	roi 283	[-50,-40,18]	456	Ventral attention
272	roi 284	[40,8,-38]	143	Default mode network
273	roi 285	[34,-28,58]	456	Sensory/somatomotor hand
274	roi 286	[42,10,26]	469	Fronto-parietal task control
275	roi 287	[-2,-24,56]	608	Sensory/somatomotor hand
276	roi 288	[6,-68,-18]	838	Cerebullum
277	roi 289	[-54,-64,18]	297	Default mode network
278	roi 290	[6,44,14]	432	Default mode network
279	roi 291	[-6,-94,4]	458	Uncertain
280	roi 292	[-52,-68,-10]	190	Visual
281	roi 293	[20,-80,40]	504	Visual
282	roi 294	[-46,-2,42]	450	Salience
283	roi 296	[-54,-54,32]	427	Default mode network
284	roi 297	[-30,-54,-14]	480	Visual
285	roi 298	[4,-18,-2]	496	Subcortical
286	roi 299	[0,0,-2]	400	Subcortical
287	roi 300	[62,-36,4]	377	Default mode network
288	roi 301	[-50,-12,-28]	147	Uncertain
289	roi 302	[14,-70,30]	536	Visual
290	roi 303	[-34,-48,56]	495	Sensory/somatomotor hand
291	roi 304	[-38,-42,-20]	420	Uncertain
292	roi 305	[2,-78,36]	475	Memory retrieval
293	roi 306	[24,-18,66]	344	Sensory/somatomotor hand
294	roi 308	[62,-14,-10]	295	Default mode network
295	roi 309	[-54,12,16]	427	Salience
296	roi 310	[0,-24,32]	344	Memory retrieval
297	roi 311	[50,-62,-8]	487	Dorsal attention
298	roi 312	[10,-44,-26]	560	Cerebullum
299	roi 313	[-20,-30,-22]	476	Uncertain
300	roi 314	[38,-74,-28]	325	Visual
301	roi 315	[10,50,36]	478	Default mode network
302	roi 316	[-6,4,64]	363	Cingulo-opercular task control
303	roi 317	[-44,-24,42]	432	Sensory/somatomotor hand
304	roi 318	[16,-34,2]	392	Default mode network
305	roi 319	[-26,-62,56]	457	Dorsal attention

306	roi 320	[22,-32,-24]	484	Uncertain
307	roi 321	[-42,-62,-34]	185	Uncertain
308	roi 323	[36,4,-22]	416	Uncertain
309	roi 324	[-16,-38,0]	400	Visual
310	roi 327	[-18,-78,42]	486	Visual
311	roi 328	[6,38,48]	475	Default mode network
312	roi 329	[-24,60,2]	209	Salience
313	roi 331	[42,0,8]	496	Cingulo-opercular task control
314	roi 332	[38,-48,56]	514	Dorsal attention
315	roi 333	[-38,8,-8]	552	Cingulo-opercular task control
316	roi 334	[14,0,16]	176	Subcortical
317	roi 337	[30,52,14]	349	Salience
318	roi 338	[20,-54,2]	392	Visual
319	roi 339	[-18,-74,-22]	472	Visual
320	roi 340	[-8,-10,66]	341	Sensory/somatomotor hand
321	roi 341	[-58,-12,-2]	333	Auditory
322	roi 342	[42,-80,2]	305	Visual
323	roi 343	[54,14,10]	551	Cingulo-opercular task control
324	roi 344	[-8,42,-6]	336	Default mode network
325	roi 345	[-50,34,0]	338	Ventral attention
326	roi 346	[52,-40,4]	376	Default mode network
327	roi 347	[-24,-96,-2]	216	Uncertain
328	roi 348	[6,2,44]	352	Cingulo-opercular task control
329	roi 349	[-32,26,40]	363	Fronto-parietal task control

Table 6: Craddock350 Regions of Interest (ROI) used for the analysis of the ABIDE data. The Craddock Atlas for 329 regions (Craddock et al., 2012) ROI labels and their centroids in MNI space are listed. For each Craddock ROI, we select the voxels in which all ABIDE subjects have data. The number of voxels comprising these ROIs are listed in the “Number of voxels” column. Finally, we assign each ROI to a system defined in Power et al (2011). The assigned system is listed in the “Systems assignment” column.

Node number	ROI label	ROI name	Centroid MNI	Number of voxels	Systems assignment
1	SFG_L_7_1	A8m, medial area 8 left	[-4,16,52]	638	Cingulo-opercular task control
2	SFG_R_7_1	A8m, medial area 8 right	[6,16,52]	657	Cingulo-opercular task control
3	SFG_L_7_2	A8dl, dorsolateral area 8 left	[-18,24,48]	594	Default mode network
4	SFG_R_7_2	A8dl, dorsolateral area 8	[22,26,48]	510	Default mode network
5	SFG_L_7_3	A9l, lateral area 9 left	[-12,52,36]	574	Default mode network
6	SFG_R_7_3	A9l, lateral area 9 right	[14,50,38]	753	Default mode network
7	SFG_L_7_4	A6dl, dorsolateral area 6 left	[-18,-2,62]	468	Cingulo-opercular task control
8	SFG_R_7_4	A6dl, dorsolateral area 6 right	[20,4,60]	405	Cingulo-opercular task control
9	SFG_L_7_5	A6m, medial area 6 left	[-6,-4,58]	735	Cingulo-opercular task control
10	SFG_R_7_5	A6m, medial area 6 right	[8,-4,58]	643	Cingulo-opercular task control
11	SFG_L_7_6	A9m,medial area 9 left	[-4,36,38]	697	Default mode network
12	SFG_R_7_6	A9m,medial area 9 right	[6,38,34]	879	Default mode network
13	SFG_L_7_7	A10m, medial area 10 left	[-8,56,16]	1041	Default mode network
14	SFG_R_7_7	A10m, medial area 10 right	[8,58,14]	925	Default mode network
15	MFG_L_7_1	A9/46d, dorsal area 9/46 left	[-26,42,30]	925	Default mode network
16	MFG_R_7_1	A9/46d, dorsal area 9/46 right	[30,36,36]	892	Default mode network
17	MFG_L_7_2	IFJ, inferior frontal junction left	[-40,12,36]	689	Fronto-parietal task control
18	MFG_R_7_2	IFJ, inferior frontal junction right	[42,12,38]	573	Fronto-parietal task control
19	MFG_L_7_3	A46, area 46 left	[-28,56,12]	758	Salience
20	MFG_R_7_3	A46, area 46 right	[28,54,16]	968	Salience
21	MFG_L_7_4	A9/46v, ventral area 9/46 left	[-40,40,16]	920	Fronto-parietal task control
22	MFG_R_7_4	A9/46v, ventral area 9/46 right	[42,44,14]	874	Fronto-parietal task control
23	MFG_L_7_5	A8vl, ventrolateral area 8 left	[-32,22,44]	713	Default mode network
24	MFG_R_7_5	A8vl, ventrolateral area 8 right	[42,26,36]	623	Default mode network
25	MFG_L_7_6	A6vl, ventrolateral area 6 left	[-30,2,52]	449	Dorsal attention
26	MFG_R_7_6	A6vl, ventrolateral area 6 right	[32,8,52]	417	Dorsal attention
27	MFG_L_7_7	A10l, lateral area10 left	[-26,60,-4]	628	Default mode network
28	MFG_R_7_7	A10l, lateral area10 right	[26,62,-2]	933	Default mode network
29	IFG_L_6_1	A44d,dorsal area 44 left	[-46,14,24]	321	Fronto-parietal task control
30	IFG_R_6_1	A44d,dorsal area 44 right	[46,16,24]	342	Fronto-parietal task control
31	IFG_L_6_2	IFS, inferior frontal sulcus left	[-48,32,14]	380	Fronto-parietal task control
32	IFG_R_6_2	IFS, inferior frontal sulcus right	[48,34,14]	319	Fronto-parietal task control
33	IFG_L_6_3	A45c, caudal area 45 left	[-52,22,10]	308	Salience
34	IFG_R_6_3	A45c, caudal area 45 right	[54,24,12]	361	Salience
35	IFG_L_6_4	A45r, rostral area 45 left	[-48,36,-4]	372	Ventral attention
36	IFG_R_6_4	A45r, rostral area 45 right	[52,36,0]	402	Ventral attention

37	IFG_L_6_5	A44op, opercular area 44 left	[-40,24,4]	459	Salience
38	IFG_R_6_5	A44op, opercular area 44 right	[42,22,4]	557	Salience
39	IFG_L_6_6	A44v, ventral area 44 left	[-52,14,6]	285	Salience
40	IFG_R_6_6	A44v, ventral area 44 right	[54,14,12]	277	Salience
41	OrG_L_6_1	A14m, medial area 14 left	[-6,52,-8]	465	Default mode network
42	OrG_R_6_1	A14m, medial area 14 right	[6,48,-6]	625	Default mode network
43	OrG_L_6_2	A12/47o, orbital area 12/47 left	[-36,34,-16]	508	Default mode network
44	OrG_R_6_2	A12/47o, orbital area 12/47 right	[40,38,-14]	475	Default mode network
45	OrG_L_6_3	A11l, lateral area 11 left	[-22,38,-16]	821	Uncertain
46	OrG_R_6_3	A11l, lateral area 11 right	[24,38,-18]	1055	Uncertain
47	OrG_L_6_4	A11m, medial area 11 left	[-6,46,-22]	432	Default mode network
48	OrG_R_6_4	A11m, medial area 11 right	[6,54,-18]	513	Default mode network
49	OrG_L_6_5	A13, area 13 left	[-10,18,-16]	536	Uncertain
50	OrG_R_6_5	A13, area 13 right	[10,22,-18]	538	Uncertain
51	OrG_L_6_6	A12/47l, lateral area 12/47 left	[-40,32,-10]	573	Default mode network
52	OrG_R_6_6	A12/47l, lateral area 12/47 right	[42,32,-8]	500	Default mode network
53	PrG_L_6_1	A4hf, area 4(head and face region) left	[-48,-8,38]	696	Sensory/somatomotor mouth
54	PrG_R_6_1	A4hf, area 4(head and face region) right	[54,-4,32]	415	Sensory/somatomotor mouth
55	PrG_L_6_2	A6cdl, caudal dorsolateral area 6 left	[-30,-10,56]	552	Dorsal attention
56	PrG_R_6_2	A6cdl, caudal dorsolateral area 6 right	[30,-8,56]	726	Dorsal attention
57	PrG_L_6_3	A4ul, area 4(upper limb region) left	[-26,-26,62]	525	Sensory/somatomotor hand
58	PrG_R_6_3	A4ul, area 4(upper limb region) right	[34,-20,56]	467	Sensory/somatomotor hand
59	PrG_L_6_4	A4t, area 4(trunk region) left	[-14,-20,72]	184	Sensory/somatomotor hand
60	PrG_R_6_4	A4t, area 4(trunk region) right	[16,-22,70]	319	Sensory/somatomotor hand
61	PrG_L_6_5	A4tl, area 4(tongue and larynx region) left	[-52,0,8]	414	Cingulo-opercular task control
62	PrG_R_6_5	A4tl, area 4(tongue and larynx region) right	[54,4,8]	419	Cingulo-opercular task control
63	PrG_L_6_6	A6cvl, caudal ventrolateral area 6 left	[-50,4,30]	684	Fronto-parietal task control
64	PrG_R_6_6	A6cvl, caudal ventrolateral area 6 right	[52,8,30]	638	Fronto-parietal task control
65	PCL_L_2_1	A1/2/3ll, area1/2/3 (lower limb region) left	[-8,-38,56]	301	Salience
66	PCL_R_2_1	A1/2/3ll, area1/2/3 (lower limb region) right	[10,-34,52]	434	Salience
67	PCL_L_2_2	A4ll, area 4, (lower limb region) left	[-4,-22,60]	481	Sensory/somatomotor hand

68	PCL_R_2_2	A4ll, area 4, (lower limb region) right	[4,-22,60]	586	Sensory/somatomotor hand
69	STG_L_6_1	A38m, medial area 38 left	[-38,16,-30]	257	Default mode network
70	STG_R_6_1	A38m, medial area 38 right	[34,14,-28]	268	Default mode network
71	STG_L_6_2	A41/42, area 41/42 left	[-54,-32,12]	471	Auditory
72	STG_R_6_2	A41/42, area 41/42 right	[54,-24,10]	368	Auditory
73	STG_L_6_3	TE1.0 and TE1.2 left	[-50,-10,2]	799	Auditory
74	STG_R_6_3	TE1.0 and TE1.2 right	[50,-4,-2]	719	Auditory
75	STG_L_6_4	A22c, caudal area 22 left	[-62,-34,6]	456	Auditory
76	STG_R_6_4	A22c, caudal area 22 right	[66,-20,6]	440	Auditory
77	STG_L_6_5	A38l, lateral area 38 left	[-44,10,-20]	486	Default mode network
78	STG_R_6_5	A38l, lateral area 38 right	[46,12,-20]	567	Default mode network
79	STG_L_6_6	A22r, rostral area 22 left	[-54,-4,-10]	590	Default mode network
80	STG_R_6_6	A22r, rostral area 22 right	[56,-12,-6]	368	Default mode network
81	MTG_L_4_1	A21c, caudal area 21 left	[-64,-32,-10]	347	Default mode network
82	MTG_R_4_1	A21c, caudal area 21 right	[62,-30,-12]	455	Default mode network
83	MTG_L_4_2	A21r, rostral area 21 left	[-54,2,-28]	553	Default mode network
84	MTG_R_4_2	A21r, rostral area 21 right	[52,4,-28]	521	Default mode network
85	MTG_L_4_3	A37dl, dorsolateral area37 left	[-58,-58,4]	523	Dorsal attention
86	MTG_R_4_3	A37dl, dorsolateral area37 right	[58,-52,2]	561	Dorsal attention
87	MTG_L_4_4	aSTS, anterior superior temporal sulcus left	[-58,-20,-10]	759	Default mode network
88	MTG_R_4_4	aSTS, anterior superior temporal sulcus right	[58,-16,-10]	1037	Default mode network
89	ITG_L_7_1	A20iv, intermediate ventral area 20 left	[-46,-28,-22]	102	Uncertain
90	ITG_R_7_1	A20iv, intermediate ventral area 20 right	[46,-18,-24]	52	Uncertain
91	ITG_L_7_2	A37elv, extreme lateroventral area37 left	[-50,-58,-14]	288	Fronto-parietal task control
92	ITG_R_7_2	A37elv, extreme lateroventral area37 right	[52,-52,-16]	146	Fronto-parietal task control
93	ITG_L_7_3	A20r, rostral area 20 left	[-40,2,-34]	25	Uncertain
94	ITG_R_7_3	A20r, rostral area 20 right	[36,4,-34]	27	Uncertain
95	ITG_L_7_4	A20il, intermediate lateral area 20 left	[-56,-18,-22]	221	Uncertain
96	ITG_R_7_4	A20il, intermediate lateral area 20 right	[54,-16,-24]	49	Uncertain
97	ITG_L_7_5	A37vl, ventrolateral area 37 left	[-54,-60,-6]	385	Dorsal attention
98	ITG_R_7_5	A37vl, ventrolateral area 37 right	[54,-56,-8]	314	Dorsal attention
99	ITG_L_7_6	A20cl, caudolateral of area 20 left	[-58,-42,-14]	282	Uncertain
100	ITG_R_7_6	A20cl, caudolateral of area 20 right	[58,-42,-14]	157	Uncertain
101	ITG_L_7_7	A20cv, caudoventral of area 20 left	[-52,-38,-18]	29	Uncertain
102	ITG_R_7_7	A20cv, caudoventral of area 20 right	[50,-34,-18]	43	Uncertain
103	FuG_L_3_1	A20rv, rostroventral area 20 left	[-34,-30,-20]	372	Uncertain

104	FuG_R_3_1	A20rv, rostroventral area 20 right	[34,-26,-24]	319	Uncertain
105	FuG_L_3_2	A37mv, medioventral area37 left	[-30,-66,-14]	892	Visual
106	FuG_R_3_2	A37mv, medioventral area37 right	[30,-62,-14]	805	Visual
107	FuG_L_3_3	A37lv, lateroventral area37 left	[-42,-54,-16]	798	Uncertain
108	FuG_R_3_3	A37lv, lateroventral area37 right	[42,-52,-18]	702	Uncertain
109	PhG_L_6_1	A35/36r, rostral area 35/36 left	[-32,-8,-30]	17	Uncertain
110	PhG_R_6_1	A35/36r, rostral area 35/36 right	[28,-4,-34]	15	Uncertain
111	PhG_L_6_2	A35/36c, caudal area 35/36 left	[-22,-28,-24]	99	Uncertain
112	PhG_R_6_2	A35/36c, caudal area 35/36 right	[24,-26,-24]	83	Uncertain
113	PhG_L_6_3	TL, area TL (lateral PPHC, posterior parahippocampal gyrus) left	[-28,-32,-18]	150	Default mode network
114	PhG_R_6_3	TL, area TL (lateral PPHC, posterior parahippocampal gyrus) right	[30,-30,-18]	122	Default mode network
115	PhG_L_6_4	A28/34, area 28/34 (EC, entorhinal cortex) left	[-18,-20,-24]	64	Uncertain
116	PhG_R_6_4	A28/34, area 28/34 (EC, entorhinal cortex) right	[18,-18,-24]	30	Uncertain
117	PhG_L_6_5	TI, area TI(temporal agranular insular cortex) left	[-28,2,-26]	9	Uncertain
118	PhG_R_6_5	TI, area TI(temporal agranular insular cortex) right	[28,4,-32]	5	Uncertain
119	PhG_L_6_6	TH, area TH (medial PPHC) left	[-16,-40,-10]	155	Default mode network
120	PhG_R_6_6	TH, area TH (medial PPHC) right	[18,-36,-12]	161	Default mode network
121	pSTS_L_2_1	rpSTS, rostroposterior superior temporal sulcus left	[-54,-40,4]	310	Ventral attention
122	pSTS_R_2_1	rpSTS, rostroposterior superior temporal sulcus right	[52,-36,4]	341	Ventral attention
123	pSTS_L_2_2	cpSTS, caudoposterior superior temporal sulcus left	[-52,-50,10]	365	Ventral attention
124	pSTS_R_2_2	cpSTS, caudoposterior superior temporal sulcus right	[56,-40,12]	295	Ventral attention
125	SPL_L_5_1	A7r, rostral area 7 left	[-16,-60,60]	176	Dorsal attention
126	SPL_R_5_1	A7r, rostral area 7 right	[20,-56,62]	302	Dorsal attention
127	SPL_L_5_2	A7c, caudal area 7 left	[-16,-70,52]	439	Dorsal attention
128	SPL_R_5_2	A7c, caudal area 7 right	[18,-68,54]	467	Dorsal attention
129	SPL_L_5_3	A5l, lateral area 5 left	[-34,-46,50]	476	Dorsal attention

130	SPL_R_5_3	A5l, lateral area 5 right	[36,-42,54]	357	Dorsal attention
131	SPL_L_5_4	A7pc, postcentral area 7 left	[-24,-46,62]	318	Sensory/somatomotor hand
132	SPL_R_5_4	A7pc, postcentral area 7 right	[24,-42,64]	311	Sensory/somatomotor hand
133	SPL_L_5_5	A7ip, intraparietal area 7(hIP3) left	[-28,-58,54]	378	Fronto-parietal task control
134	SPL_R_5_5	A7ip, intraparietal area 7(hIP3) right	[30,-54,54]	474	Fronto-parietal task control
135	IPL_L_6_1	A39c, caudal area 39(PGp) left	[-32,-80,30]	838	Visual
136	IPL_R_6_1	A39c, caudal area 39(PGp) right	[44,-70,20]	1023	Visual
137	IPL_L_6_2	A39rd, rostrodorsal area 39(Hip3) left	[-38,-60,46]	755	Fronto-parietal task control
138	IPL_R_6_2	A39rd, rostrodorsal area 39(Hip3) right	[38,-66,44]	910	Fronto-parietal task control
139	IPL_L_6_3	A40rd, rostrodorsal area 40(PFt) left	[-50,-34,40]	875	Sensory/somatomotor hand
140	IPL_R_6_3	A40rd, rostrodorsal area 40(PFt) right	[46,-36,44]	900	Sensory/somatomotor hand
141	IPL_L_6_4	A40c, caudal area 40(PFm) left	[-54,-50,36]	847	Salience
142	IPL_R_6_4	A40c, caudal area 40(PFm) right	[56,-44,38]	831	Salience
143	IPL_L_6_5	A39rv, rostroventral area 39(PGa) left	[-46,-64,26]	1439	Default mode network
144	IPL_R_6_5	A39rv, rostroventral area 39(PGa) right	[52,-54,24]	1217	Default mode network
145	IPL_L_6_6	A40rv, rostroventral area 40(PFop) left	[-52,-32,22]	1010	Auditory
146	IPL_R_6_6	A40rv, rostroventral area 40(PFop) right	[54,-26,26]	1169	Auditory
147	Pcun_L_4_1	A7m, medial area 7(PEp) left	[-4,-64,50]	512	Memory retrieval
148	Pcun_R_4_1	A7m, medial area 7(PEp) right	[6,-64,52]	422	Memory retrieval
149	Pcun_L_4_2	A5m, medial area 5(PEm) left	[-8,-46,56]	502	Memory retrieval
150	Pcun_R_4_2	A5m, medial area 5(PEm) right	[8,-46,56]	583	Memory retrieval
151	Pcun_L_4_3	dmPOS, dorsomedial parietooccipital sulcus(PEr) left	[-12,-66,26]	875	Default mode network
152	Pcun_R_4_3	dmPOS, dorsomedial parietooccipital sulcus(PEr) right	[16,-64,26]	1040	Default mode network
153	Pcun_L_4_4	A31, area 31 (Lc1) left	[-6,-54,34]	776	Default mode network
154	Pcun_R_4_4	A31, area 31 (Lc1) right	[6,-54,34]	939	Default mode network
155	PoG_L_4_1	A1/2/3ulhf, area 1/2/3(upper limb, head and face region) left	[-50,-16,40]	713	Sensory/somatomotor hand
156	PoG_R_4_1	A1/2/3ulhf, area 1/2/3(upper limb, head and face region) right	[50,-14,42]	746	Sensory/somatomotor hand

157	PoG_L_4_2	A1/2/3tonIa, area 1/2/3(tongue and larynx region) left	[-54,-14,16]	577	Auditory
158	PoG_R_4_2	A1/2/3tonIa, area 1/2/3(tongue and larynx region) right	[54,-10,14]	558	Auditory
159	PoG_L_4_3	A2, area 2 left	[-44,-30,48]	564	Sensory/somatomotor hand
160	PoG_R_4_3	A2, area 2 right	[46,-26,48]	656	Sensory/somatomotor hand
161	PoG_L_4_4	A1/2/3tru, area1/2/3(trunk region) left	[-24,-34,64]	420	Sensory/somatomotor hand
162	PoG_R_4_4	A1/2/3tru, area1/2/3(trunk region) right	[22,-32,66]	374	Sensory/somatomotor hand
163	INS_L_6_1	G, hypergranular insula left	[-36,-20,10]	323	Auditory
164	INS_R_6_1	G, hypergranular insula right	[38,-18,8]	275	Auditory
165	INS_L_6_2	vIa, ventral agranular insula left	[-32,14,-14]	239	Salience
166	INS_R_6_2	vIa, ventral agranular insula right	[32,14,-14]	208	Salience
167	INS_L_6_3	dIa, dorsal agranular insula left	[-34,18,0]	249	Salience
168	INS_R_6_3	dIa, dorsal agranular insula right	[36,18,0]	225	Salience
169	INS_L_6_4	vId/vIg, ventral dysgranular and granular insula left	[-38,-4,-10]	269	Cingulo-opercular task control
170	INS_R_6_4	vId/vIg, ventral dysgranular and granular insula right	[40,-2,-8]	286	Cingulo-opercular task control
171	INS_L_6_5	dIg, dorsal granular insula left	[-38,-8,8]	286	Cingulo-opercular task control
172	INS_R_6_5	dIg, dorsal granular insula right	[38,-6,8]	273	Cingulo-opercular task control
173	INS_L_6_6	dId, dorsal dysgranular insula left	[-38,6,4]	410	Cingulo-opercular task control
174	INS_R_6_6	dId, dorsal dysgranular insula right	[38,6,4]	310	Cingulo-opercular task control
175	CG_L_7_1	A23d, dorsal area 23 left	[-4,-40,32]	483	Memory retrieval
176	CG_R_7_1	A23d, dorsal area 23 right	[4,-38,32]	409	Memory retrieval
177	CG_L_7_2	A24rv, rostroventral area 24 left	[-4,8,26]	213	Salience
178	CG_R_7_2	A24rv, rostroventral area 24 right	[4,20,14]	352	Salience
179	CG_L_7_3	A32p, pregenual area 32 left	[-6,34,20]	471	Salience
180	CG_R_7_3	A32p, pregenual area 32 right	[4,28,28]	376	Salience
181	CG_L_7_4	A23v, ventral area 23 left	[-8,-48,10]	357	Default mode network
182	CG_R_7_4	A23v, ventral area 23 right	[8,-44,10]	315	Default mode network
183	CG_L_7_5	A24cd, caudodorsal area 24 left	[-4,6,38]	365	Salience
184	CG_R_7_5	A24cd, caudodorsal area 24 right	[4,6,38]	255	Salience
185	CG_L_7_6	A23c, caudal area 23 left	[-8,-22,40]	612	Sensory/somatomotor hand
186	CG_R_7_6	A23c, caudal area 23 right	[6,-20,40]	549	Sensory/somatomotor hand
187	CG_L_7_7	A32sg, subgenual area 32 left	[-4,38,-2]	646	Default mode network

188	CG_R_7_7	A32sg, subgenual area 32 right	[6,40,6]	415	Default mode network
189	Cun_L_5_1	cLinG, caudal lingual gyrus left	[-10,-82,-10]	480	Uncertain
190	Cun_R_5_1	cLinG, caudal lingual gyrus right	[10,-86,-8]	587	Uncertain
191	Cun_L_5_2	rCunG, rostral cuneus gyrus left	[-4,-80,10]	775	Visual
192	Cun_R_5_2	rCunG, rostral cuneus gyrus right	[8,-76,10]	825	Visual
193	Cun_L_5_3	cCunG, caudal cuneus gyrus left	[-6,-94,2]	491	Visual
194	Cun_R_5_3	cCunG, caudal cuneus gyrus right	[8,-90,12]	617	Visual
195	Cun_L_5_4	rLinG, rostral lingual gyrus left	[-16,-60,-6]	760	Visual
196	Cun_R_5_4	rLinG, rostral lingual gyrus right	[18,-60,-6]	858	Visual
197	Cun_L_5_5	vmPOS,ventromedial parietooccipital sulcus left	[-12,-68,12]	999	Visual
198	Cun_R_5_5	vmPOS,ventromedial parietooccipital sulcus right	[14,-64,12]	1056	Visual
199	OcG_L_4_1	mOccG, middle occipital gyrus left	[-30,-88,10]	700	Visual
200	OcG_R_4_1	mOccG, middle occipital gyrus right	[34,-86,10]	704	Visual
201	OcG_L_4_2	V5/MT+, area V5/MT+ left	[-46,-74,2]	712	Visual
202	OcG_R_4_2	V5/MT+, area V5/MT+ right	[46,-70,0]	698	Visual
203	OcG_L_4_3	OPC, occipital polar cortex left	[-18,-98,2]	623	Visual
204	OcG_R_4_3	OPC, occipital polar cortex right	[22,-96,4]	495	Visual
205	OcG_L_4_4	iOccG, inferior occipital gyrus left	[-30,-88,-12]	885	Visual
206	OcG_R_4_4	iOccG, inferior occipital gyrus right	[30,-84,-10]	738	Visual
207	sOcG_L_2_1	msOccG, medial superior occipital gyrus left	[-10,-88,30]	539	Visual
208	sOcG_R_2_1	msOccG, medial superior occipital gyrus right	[16,-84,34]	604	Visual
209	sOcG_L_2_2	lsOccG, lateral superior occipital gyrus left	[-22,-78,36]	585	Visual
210	sOcG_R_2_2	lsOccG, lateral superior occipital gyrus right	[28,-74,36]	766	Visual
211	Amyg_L_2_1	mAmyg, medial amygdala left	[-20,-2,-18]	101	Subcortical
212	Amyg_R_2_1	mAmyg, medial amygdala right	[20,-2,-18]	194	Subcortical
213	Amyg_L_2_2	lAmyg, lateral amygdala left	[-28,-4,-20]	77	Uncertain
214	Amyg_R_2_2	lAmyg, lateral amygdala right	[28,-2,-20]	136	Uncertain

215	Hipp_L_2_1	rHipp, rostral hippocampus left	[-24,-16,-18]	447	Uncertain
216	Hipp_R_2_1	rHipp, rostral hippocampus right	[22,-14,-18]	428	Uncertain
217	Hipp_L_2_2	cHipp, caudal hippocampus left	[-28,-30,-10]	583	Default mode network
218	Hipp_R_2_2	cHipp, caudal hippocampus right	[30,-28,-10]	602	Default mode network
219	Str_L_6_1	vCa, ventral caudate left	[-12,14,0]	423	Subcortical
220	Str_R_6_1	vCa, ventral caudate right	[14,14,-2]	316	Subcortical
221	Str_L_6_2	GP, globus pallidus left	[-22,-2,4]	321	Subcortical
222	Str_R_6_2	GP, globus pallidus right	[22,-2,4]	318	Subcortical
223	Str_L_6_3	NAC, nucleus accumbens left	[-16,4,-10]	349	Subcortical
224	Str_R_6_3	NAC, nucleus accumbens right	[16,6,-8]	427	Subcortical
225	Str_L_6_4	vmPu, ventromedial putamen left	[-22,6,-4]	331	Subcortical
226	Str_R_6_4	vmPu, ventromedial putamen right	[22,6,-2]	293	Subcortical
227	Str_L_6_5	dCa, dorsal caudate left	[-14,2,16]	526	Subcortical
228	Str_R_6_5	dCa, dorsal caudate right	[14,6,14]	665	Subcortical
229	Str_L_6_6	dlPu, dorsolateral putamen left	[-30,-4,2]	612	Subcortical
230	Str_R_6_6	dlPu, dorsolateral putamen right	[30,-4,0]	553	Subcortical
231	Tha_L_8_1	mPFtha, medial pre-frontal thalamus left	[-6,-12,6]	200	Subcortical
232	Tha_R_8_1	mPFtha, medial pre-frontal thalamus right	[8,-10,6]	183	Subcortical
233	Tha_L_8_2	mPMtha, pre-motor thalamus left	[-18,-14,4]	117	Subcortical
234	Tha_R_8_2	mPMtha, pre-motor thalamus right	[12,-14,0]	194	Subcortical
235	Tha_L_8_3	Stha, sensory thalamus left	[-18,-22,4]	139	Subcortical
236	Tha_R_8_3	Stha, sensory thalamus right	[18,-22,4]	149	Subcortical
237	Tha_L_8_4	rTtha, rostral temporal thalamus left	[-6,-12,6]	202	Subcortical
238	Tha_R_8_4	rTtha, rostral temporal thalamus right	[2,-12,6]	213	Subcortical
239	Tha_L_8_5	PPtha, posterior parietal thalamus left	[-16,-24,6]	244	Subcortical
240	Tha_R_8_5	PPtha, posterior parietal thalamus right	[16,-26,6]	211	Subcortical
241	Tha_L_8_6	Otha, occipital thalamus left	[-16,-28,4]	243	Subcortical
242	Tha_R_8_6	Otha, occipital thalamus right	[14,-28,8]	166	Subcortical
243	Tha_L_8_7	cTtha, caudal temporal thalamus left	[-12,-22,12]	214	Subcortical
244	Tha_R_8_7	cTtha, caudal temporal thalamus right	[10,-14,14]	158	Subcortical

245	Tha_L_8_8	lPFtha, lateral pre-frontal thalamus left	[-12,-14,2]	365	Subcortical
246	Tha_R_8_8	lPFtha, lateral pre-frontal thalamus right	[12,-16,6]	279	Subcortical

Table 7: Brainnetome Regions of Interest (ROI) used for the analysis of the UCLA data. The Brainnetome (Fan et al., 2016) ROI labels and their centroids in MNI space are listed. For each Brainnetome ROI, we select the voxels in which all UCLA subjects have data. The number of voxels comprising these ROIs are listed in the “Number of voxels” column. Finally, we assign each ROI to a system defined in Power et al. (2011). The assigned system is listed in the “Systems assignment” column.

Smoothing level (mm)	Brainnetome subnetwork density (10^-4)	Brainnetome number of links	Fixed ROIs subnetwork density (10^-4)	Fixed ROIs number of links
0	0	0	0	0
4	0	0	0	0
6	2.3229	7	0	0
8	3.3184	10	0	0
10	5.3094	16	4.9776	15
12	5.6413	17	8.6478	26
14	6.3050	19	8.9597	27
16	6.6368	20	12.2781	37
18	7.9642	24	12.6099	38
20	7.9642	24	13.6054	41
22	7.6323	23	12.2781	37
24	7.3005	22	12.2781	37
26	7.6323	23	11.6144	35
28	6.9686	21	10.2870	31
30	5.3094	16	7.6323	23
32	0	0	7.6323	23

Table 8: Comparison between patients with ASD and typical controls using NBS yields different subnetwork densities depending on the smoothing kernel for the Brainnetome parcellation. This effect is seen independently of the ROI size. Values in terms of density and number of links somprising the connected component are shown.

Node	Smoothing level (FWHM)	Network threshold	P-value
86	14	7	0.0242
86	16	9	0.0405
86	16	10	0.0367
86	18	9	0.0340
86	20	5	0.0491
206	0	7	0.0310
245	20	20	0.0496
245	22	13	0.0194
245	24	15	0.0015
245	26	15	0.0107
245	28	15	0.0111
245	28	17	0.0088
245	30	15	0.0323

Table 9: Significant node differences in betweenness centrality between ASD and TC for the ABIDE dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings. In special, the differences are mostly found at uncommon smoothing levels (FWHM>12).

Node	Smoothing level (FWHM)	Network threshold	P-value
71	14	5	0.0082
71	16	5	0.0229
90	32	10	0.0002
90	32	11	0.0001
155	28	9	0.0420
155	32	13	0.0477
171	18	5	0.0157
171	18	7	0.0370
171	20	7	0.0060
221	14	11	0.0396

Table 10: Significant node differences in clustering coefficient between ASD and TC for for the ABIDE dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings. In special, the differences are found at uncommon smoothing levels (FWHM>12).

Node	Smoothing level (FWHM)	Network threshold	P-value
1	26	5	0.0483
1	26	7	0.0185
1	26	9	0.0291
1	26	10	0.0383
1	26	11	0.0487
1	28	5	0.0380
1	28	7	0.0123
1	28	9	0.0204
1	28	10	0.0257
1	28	11	0.0386
1	30	5	0.0257
1	30	7	0.0103
1	30	9	0.0185
1	30	10	0.0316
1	30	11	0.0300
1	32	5	0.0439
1	32	7	0.0065
1	32	9	0.0197
1	32	10	0.0240
1	32	11	0.0308
1	32	13	0.0420
1	32	15	0.0289
1	32	17	0.0393
1	32	19	0.0425
1	32	20	0.0497

Table 11: Significant node differences in global efficiency between ASD and TC for for the ABIDE dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Differences in node 1 are significant at different thresholds and for some smoothing levels. However, the differences are found at uncommon smoothing levels (FWHM>12).

Node	Smoothing level (FWHM)	Network threshold	P-value
11	32	7	0.0349
53	22	7	0.0227
53	24	7	0.0016
53	26	7	0.0153
53	28	9	0.0016
53	30	7	0.0048
53	30	9	0.0382
53	30	10	0.0491
53	32	9	0.0360
53	32	10	0.0264
53	32	11	0.0474
53	32	17	0.0339
53	32	19	0.0291
90	32	10	0.0264
90	32	11	0.0474
91	6	11	0.0246
91	6	13	0.0011
91	8	13	0.0202
91	8	15	0.0064
91	10	10	0.0187
91	10	13	0.0055
146	32	10	0.0264
173	6	5	0.0442
237	8	13	0.0220

Table 12: Significant node differences in local efficiency between ASD and TC for for the ABIDE dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings.

Node	Smoothing level (FWHM)	Network threshold	P-value
2	8	9	0.0095
2	10	9	0.0123
244	10	9	0.0346
2	8	10	0.0143
244	8	10	0.0240
2	10	10	0.0003
244	10	10	0.0193
2	6	11	0.0094
244	6	11	0.0360
2	8	11	0.0113
244	8	11	0.0157
2	10	11	0.0173
244	10	11	0.0272
2	4	13	0.0160
2	6	13	0.0013
2	8	13	0.0173
2	10	13	0.0017
64	10	13	0.0400
244	10	13	0.0400
2	4	15	0.038
2	6	15	0.0024
2	8	15	0.0003
2	10	15	0.0019
2	4	17	0.0238
2	6	17	0.0032
2	8	17	0.0017
2	10	17	0.0207
2	4	19	0.0326
2	6	19	0.0108
64	6	19	0.0491
244	6	19	0.0491
2	4	20	0.0134
2	6	20	0.0419
64	6	20	0.0419
244	6	20	0.0419

Table 13: Significant node differences in degree between BIPOLAR and TC for for the UCLA dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings.

Node	Smoothing level (FWHM)	Network threshold	P-value
2	32	5	0.0352
2	10	10	0.0321
52	10	10	0.0328
6	30	10	0.0291
2	6	11	0.0160
128	6	11	0.0359
2	8	11	0.0158
2	10	11	0.0207
52	10	11	0.0207
112	22	11	0.0438
2	4	13	0.0381
2	4	15	0.0292

Table 14: Significant node differences in betweenness centrality between BIPOLAR and TC for UCLA dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities.Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings.

Node	Smoothing level (FWHM)	Network threshold	P-value
25	20	9	0.0312
25	28	9	0.0492
25	28	10	0.0493

Table 15: Significant node differences in clustering coefficient between BIPOLAR and TC for UCLA dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Although some nodes are found significant at different thresholds and for some smoothing levels, there is no pattern in the findings. Besides, differences are found at uncommon smoothing levels (FWHM>12).

Node	Smoothing level (FWHM)	Network threshold	P-value
25	24	7	1.00E-04
25	26	7	3.70E-03
25	28	7	1.00E-04
25	30	7	1.00E-04
25	32	7	3.25E-02
25	20	9	1.00E-04
25	22	9	1.00E-04
25	24	9	1.00E-04
25	26	9	1.00E-04
25	28	9	1.00E-04
25	30	9	1.00E-04
25	32	9	1.00E-04
25	20	10	1.11E-02
25	22	10	1.00E-04
25	24	10	1.00E-04
25	26	10	1.00E-04
25	28	10	1.00E-04
25	30	10	1.00E-03
25	32	10	3.55E-02
25	22	11	4.60E-03
25	24	11	2.60E-03
25	26	11	1.00E-04
25	28	11	4.44E-02

Table 16: Significant node differences in local efficiency between BIPOLAR and TC for UCLA dataset, Brainnetome parcellation. The results are reported across different values of thresholded network densities. Significant differences are found for node 25 at different thresholds and for some smoothing levels, however, differences are found at uncommon smoothing levels (FWHM>12).