R-fMRI metric	Cluster		Center of Gravity (MNI)			Statistic	DISCOVERY CompCor (n=1019)			ROBUSTNESS GSR (n=1019)			ICA AROMA (n=1019)			REPLICABILITY GENDAAR (n=196)			EU-AIMS (n=309)		
	Anatomical Label	# of voxels	x	y	z	Z	η_p^2	CI-	CI+	η_p^2	CI-	CI+	η_p^2	CI-	CI+	η_p^2	CI-	CI+	η_p^2	CI-	CI+
DIAGNOSIS																					
PCC-iFC	PCG/FP	743	-2	56	6	3.9	0.03	0.01	0.05	0.03	0.00	0.01	0.01	0.00	0.03	0.01	0.00	0.06	0.00	0.00	0.00
	sLOC	567	36	76	-76	3.8	0.02	0.01	0.05	0.03	0.00	0.03	0.01	0.00	0.02	0.00	0.00	0.01	0.00	0.00	0.00
	TOFC/OFG	529	-40	-60	-16	4.4	0.01	0.00	0.03	0.01	0.00	0.01	0.01	0.00	0.03	0.01	0.00	0.05	0.00	0.00	0.01
VMHC*	PCC/Prec	191	-6	-54	30	4.2	0.03	0.01	0.05	0.04	0.02	0.07	0.01	0.00	0.03	0.03	0.00	0.09	0.00	0.00	0.00
	PCG/FP	276	-4	54	14	3.9	0.03	0.01	0.05	0.02	0.01	0.04	0.01	0.00	0.03	0.01	0.00	0.05	0.00	0.00	0.00
ReHo	PCG/FP	1072	-2	54	10	5.2	0.01	0.00	0.03	0.02	0.01	0.05	0.02	0.01	0.04	0.04	0.00	0.11	0.01	0.00	0.05
	CO/Ins	1131	44	-8	8	3.4	0.01	0.00	0.03	0.03	0.01	0.06	0.02	0.00	0.03	0.01	0.00	0.05	0.04	0.01	0.09
SEX																					
PCC-iFC	MFG	676	28	32	42	3.4	0.03	0.01	0.06	0.03	0.01	0.05	0.02	0.01	0.04	0.00	0.00	0.03	0.01	0.00	0.04
	sLOC	901	46	-66	42	5.2	0.04	0.02	0.07	0.03	0.02	0.06	0.04	0.00	0.03	0.00	0.00	0.04	0.03	0.00	0.08
	sLOC	966	-40	-74	40	6.7	0.05	0.03	0.08	0.04	0.02	0.07	0.03	0.01	0.05	0.00	0.00	0.04	0.03	0.00	0.07
	PCG/FP	2261	4	50	8	3.3	0.04	0.02	0.07	0.04	0.02	0.07	0.02	0.01	0.04	0.01	0.00	0.05	0.03	0.00	0.07
	PCC/Prec	4385	2	-54	32	4.4	0.04	0.02	0.07	0.04	0.02	0.07	0.02	0.01	0.04	0.01	0.00	0.05	0.03	0.00	0.08
VMHC*	ACC	355	-2	24	24	3.6	0.05	0.02	0.07	0.03	0.01	0.05	0.02	0.01	0.04	0.01	0.00	0.05	0.02	0.00	0.06
	SMG	404	-48	-36	44	3.6	0.04	0.02	0.06	0.02	0.01	0.04	0.01	0.00	0.03	0.02	0.00	0.07	0.00	0.00	0.01
	PCC/Prec	1785	-8	-48	30	4.5	0.07	0.05	0.11	0.07	0.04	0.10	0.03	0.01	0.05	0.02	0.00	0.08	0.06	0.02	0.12
ReHo	AnG/LOC	529	-54	-58	24	4.9	0.01	0.00	0.02	0.03	0.01	0.05	0.02	0.01	0.04	0.00	0.00	0.02	0.00	0.00	0.00
	PCC	444	2	-58	26	4.3	0.04	0.02	0.06	0.03	0.01	0.05	0.01	0.00	0.03	0.02	0.00	0.08	0.01	0.00	0.05
SEX by DIAGNOSIS																					
VMHC*	*sLOC*	*138*	-30	-78	28	3.7	0.02	0.01	0.04	0.01	0.00	0.03	0.01	0.00	0.02	0.00	0.00	0.03	0.01	0.00	0.03

Abbreviations: PCC-iFC: posterior cingulate cortex intrinsic functional connectivity, VMHC: voxel-mirrored homotopic connectivity, ReHo: regional homogeneity, TOFC/OFG: temporal occiptal fusiform cortex/occiptal fusiform gyrus, sLOC: superior lateral occipital cortex, PCG/FP: paracingulate cortex/frontal pole, PCC/Prec: posterior cingulate gyrus/precuneus, CO/Ins: central operculum/insula, MFG: middle frontal gyrus, ACC: anterior cingulate cortex, SMG: supramarginal gyrus, AnG/LOC: angular gyrus/lateral occipital cortex. *Due to processing failure of two subjects for VMHC, the sample size comprised 1017 subjects instead of 1019 for ABIDE and 307 instead of 309 for EU-AIMS. Color-code green: findings meeting criteria for robustness and replicability' yellow: findings not meeting criteria for robustness and replicability.