Supplementary Table 5: Group Differences on iFC for Lobar Divisions Based on Structural and Functional Parcellation Schemes

Lobar Divisions HOA units	Frontal		Temporal		Parietal		Occipital		Subcortical	
ASD vs. TC	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*
	n (%)		n (%)		n (%)		n (%)		n (%)	
Frontal	58 (15%)									
Temporal	254 (24%)		125 (18%)							
Parietal	52 (10%)		177 (26%)		20 (13%)					
Occipital	51 (11%)		230 (38%)		39 (14%)		4 (3%)			
Subcortical	10 (3%)	10 (3%)		12 (3%)		13 (6%)		6 (3%)	2 (3%)	
Total n (%)	**425 (16%)**	**10 (0%)**	**786 (22%)**	**12 (0%)**	**288 (16%)**	**13 (1%)**	**324 (20%)**	**6 (0%)**	**12 (1%)**	**41 (3%)**
Lobar Divisions Crad-200 units	Frontal		Temporal		Parietal		Occipital		Subcortical	
ASD vs. TC	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*	*Hypo*	*Hyper*
	n (%)		n (%)		n (%)		n (%)		n (%)	
Frontal	144 (7%)									
Temporal	321 (13%)		61 (9%)							
Parietal	167 (7%)	1 (0%)	310 (23%)		92 (15%)					
Occipital	41 (2%)		218 (19%)		58 (5%)		21 (5%)			
Subcortical	10 (1%)	16 (2%)	1 (0%)	17 (4%)		32 (8%)		6 (2%)		
Total n (%)	**683 (7%)**	**17 (0%)**	**911 (15%)**	**17 (0%)**	**627 (11%)**	**33 (1%)**	**338 (7%)**	**6 (0%)**	**11 (1%)**	**71 (4%)**

For each lobar division of the parcellation units inlcuded in the structural Harvard Oxford Atlas (HOA) and in the Crad-200 atlas, we summarize the absolute number and percentage of node-to-node intrinsic functional connectivity (iFC) showing significant differences between individuals with Autism Spectrum Disorders (ASD) and Typical Controls (TC). Gray cells represent instances with absence of any significant iFC, blue cells represent ASD-related hypoconnectivty (Hypo: ASD<TC), red cells represent hyperconnectvity (Hyper: ASD>TC). The shades of blue and red decreased proportionally going from the highest percentage to the lowest (38 to 0%). Correction for multiple comparisons were based on False Discovery Rate, p<0.05. See Figure 2 and Supplementary Table 4 for results based on functional divsions of the HOA parcellation scheme and functional Crad-200 atlas, respectively as well as Supplementary 6 for information regarding lobar and hemispheric divisions. See Supplementary Information. SM= Sensory Motor, Unimodal= Unimodal Association, Hetermodal= Hetermodal Association.