

Supplementary Material

Subcortical and Cerebellar Neural Correlates of Prodromal Alzheimer’s Disease with Prolonged Sleep Latency

Supplementary Table 1. Results of one-sample t-test on 60 subjects regarding the LC seed (x=4.6, y=-36.6, z=-21) selected for the study. (Voxel threshold: $p < 0.001$, uncorrected, Cluster threshold: $p < 0.05$, cluster-size p-FDR corrected)

Seed-to voxel analysis	Clusters (x,y,z)	Regions covered by the cluster	Size	Size p-FDR	Peak p-uncorrected
FC>0	+04, -36, -22	1) Brainstem	1738	<0.00001	<0.00001
		2) Right cerebellum			
		3) Left cerebellum			
		4) Vermis of the cerebellum			
		5) Right hippocampus			
		6) Left hippocampus			
		7) Right parahippocampal gyrus, posterior division			
		8) Left parahippocampal gyrus, posterior division			
		9) Right parahippocampal gyrus, anterior division			
		10) Left parahippocampal gyrus, anterior division			
		11) Right temporal occipital fusiform cortex			
		12) Temporal fusiform cortex, posterior division, right			
		13) Right lingual gyrus			
	+00, -48, +08	1) Precuneus cortex	201	0.000218	0.000025
		2) Cingulate gyrus, posterior division			
		3) Vermis of the cerebellum			
		4) Left intracalcarine cortex			
	-10, -62, -16	1) Left cerebellum	72	0.026114	0.00006
FC<0	+36, +50, +12	1) Right frontal pole	173	0.000439	0.000009
		+12, +08, +14	1) Right caudate	112	0.004628