

**table e-1.** Location of regions contributing to the M1/M4 disease related pattern in PDD.

Hemisphere	MNI coordinates	Region	Z score
R	32, 8, -28	Temporal pole	-2.8
L	-24, 12, -36	Temporal pole	-3.0
R	40, -24, -28	Fusiform gyrus	-2.7
L	-32, -32, -28	Fusiform gyrus	-2.7
R	12, 16, -8	Basal forebrain	-2.8
L	-8, 16, -4	Basal forebrain	-3.2
R	16, 24, -4	Caudate	-2.5
L	-8, 12, 0	Caudate	-3.4
R	24, 12, -4	Putamen	-2.9
L	-20, 8, -8	Putamen	-1.8
R	20, 0, 0	Pallidum	-1.8
L	-20, -4, 0	Pallidum	-2.3
R	40, 12, -8	Insula	-2.3
L	-40, 12, -8	Insula	-1.7
R	4, 12, 36	Anterior cingulate	-1.7
L	0, 12, 36	Anterior cingulate	-1.8
L	-20, -4, -16	Amygdala	-2.6
L	-20, -12, -20	Hippocampus	-2.1
L	-28, -28, -24	Parahippocampal gyrus	-2.3
R	24, 48, -12	Frontal pole	3.3
L	-28, 44, -12	Frontal pole	2.3
R	16, -92, 0	Occipital pole	3.2
L	-12, -96, 4	Occipital pole	2.6
R	40, -64, 48	Precuneus	2.5
L	-24, -72, 48	Precuneus	2.7
R	52, -56, -12	Inferior temporal gyrus	2.6
R	56, -56, 4	Middle temporal gyrus	3.4

**table e-2.** Location of regions contributing to the rCBF disease related pattern in PDD.

Hemisphere	MNI coordinates	Region	Z score
R	4, 32, 48	Superior frontal gyrus	-1.8
L	-20, 32, 48	Superior frontal gyrus	-2.3
R	40, 28, 36	Middle frontal gyrus	-2.0
L	-36, 24, 44	Middle frontal gyrus	-2.3
R	60, -48, -16	Inferior temporal gyrus	-3.0
R	60, -44, -8	Middle temporal gyrus	-2.7
L	-60, -32, -8	Middle temporal gyrus	-2.2
R	64, -32, 4	Superior temporal gyrus	-2.8
L	-60, -28, 0	Superior temporal gyrus	-2.1
R	4, 48, 20	Paracingulate gyrus	-2.3
L	-4, 48, 20	Paracingulate gyrus	-2.1
R	4, -60, 40	Precuneus	-3.7
L	-4, -64, 40	Precuneus	-4.1
R	4, -52, 32	posterior cingulate	-2.3
L	-4, -56, 28	posterior cingulate	-3.0
R	44, -64, 48	Inferior parietal	-3.8
L	-40, -60, 44	Inferior parietal	-4.0
R	40, -64, 52	Superior parietal	-2.5
L	-28, -68, 52	Superior parietal	-3.2
L	-12, 12, 8	Caudate	-1.9
R	20, -56, -40	Posterior cerebellum	2.7
L	-12, -52, -40	Posterior cerebellum	2.4
	4, -28, -12	Midbrain	2.7
	8, -36, -24	Pons	2.0
R	20, -20, 8	Thalamus	2.1
L	-12, -20, 8	Thalamus	2.4
R	32, -12, 0	Putamen	1.9
L	-28, -8, 0	Putamen	2.5
R	24, -8, 0	Pallidum	1.8
L	-20, -8, 0	Pallidum	2.5
R	52, 0, 48	Precentral gyrus	1.7
L	-56, 0, 36	Precentral gyrus	2.3
R	64, -12, 32	Postcentral gyrus	2.1
L	-60, -12, 32	Postcentral gyrus	2.2
L	-28, -12, -24	Hippocampus	1.8
L	-28, -4, -20	Amygdala	2.0

**table e-3.** Location of regions contributing to the M1/M4 ‘responder’ pattern in PDD.

Hemisphere	MNI coordinates	Region	Z score
R	48, 12, -24	Temporal pole	-3.6
L	-24, 8, -32	Temporal pole	-1.7
R	32, -32, -24	Fusiform gyrus	-2.5
L	-28, -32, -24	Fusiform gyrus	-2.0
R	52, -44, -24	Inferior temporal gyrus	-3.9
L	-52, -52, -24	Inferior temporal gyrus	-2.5
L	-60, -52, -4	Middle temporal gyrus	-3.4
R	8, -72, -8	Lingual gyrus	-4.3
L	-8, -72, -8	Lingual gyrus	-1.8
R	24, 12, -8	Putamen	-2.0
L	-24, 12, -8	Putamen	-2.3
L	-20, -12, 0	Pallidum	-2.5
R	8, -16, 72	Precentral gyrus	-3.4
L	-4, -16, 72	Precentral gyrus	-3.1
R	4, 20, 32	Anterior cingulate	-2.6
L	0, 24, 28	Anterior cingulate	-2.4
L	-24, -12, -12	Amygdala	-3.0
L	-16, 12, 64	Superior frontal gyrus	-3.8
R	52, 16, 8	Inferior frontal gyrus	-3.0
R	8, 40, -24	Medial frontal gyrus	4.4
L	-4, 40, -24	Medial frontal gyrus	3.6
R	20, 28, -20	Orbitofrontal cortex	3.6
L	-24, 20, -20	Orbitofrontal cortex	2.9
R	44, 32, 32	Middle frontal gyrus	2.5
R	52, 32, 4	Inferior frontal gyrus	2.3
R	24, 60, 0	Frontal pole	3.7
L	-16, 44, 40	Frontal pole	2.1
R	56, -28, 24	Inferior parietal	3.8
L	-52, -32, 24	Inferior parietal	5.3
R	16, -68, 28	Ventral precuneus	3.2
L	0, -68, 28	Ventral precuneus	3.9
R	20, -64, 16	Posterior cingulate	4.1
L	-4, -52, 16	Posterior cingulate	2.9
R	48, -56, -12	Inferior temporal gyrus	3.9