

## SUPPLEMENTARY TABLES

**Supplementary Table 1. PMDD group and HC group depression mood subtract neutral frontal mid-back picture condition t-test activation differential area.**

Central position	MNI coordinate			Voxel	t	BA
	X	Y	Z			
the middle frontal gyrus	-30	48	-12	588	3.321	11
middle gyrus	39	42	-15	957	3.963	47
cingulate gyrus	-6	-24	30	1072	4.154	23

Note: PMDD, premenstrual dysphoric disorder; HC, healthy control; MNI, Montreal Neurological Institute; BA, Brodmann area.

**Supplementary Table 2. PMDD group and HC group anger mood subtract neutral frontal mid-back picture condition t-test activation differential area.**

Brain region	MNI coordinates			Voxel	t	BA
	X	Y	Z			
Superior frontal gyrus	24	42	51	225	-3.4197	8
Middle frontal gyrus	-42	45	0	188	2.8693	10
paracentral lobule	-6	-33	60	142	-3.1293	6
Precuneus	-9	-57	45	730	-3.6001	7
Temporal lobe	72	-30	6	138	2.4814	42
Right cerebellum	24	-39	-21	185	-2.8195	48
Left cerebellum	-21	-57	-18	200	2.9857	37

Note: PMDD, premenstrual dysphoric disorder; HC, healthy control; MNI, Montreal Neurological Institute; BA, Brodmann area.