

Resting State I	+	+	+	+	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
Negative Autobiographical	failed in the competition hopeless depressed	rain lonely alone on the street	school failed the NCEE dispairing	quarrel divorce moving out	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
Rumination	Think thoroughly: What have I done that led to the events I just recalled?	Think thoroughly: Why did these events only happen to me instead of others?	Think thoroughly: Analyze your personality to understand why you felt so depressed in the events you just recalled	Think thoroughly: Why can't I handle things better in these events?	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
Mindfulness	Observe your thoughts and feelings without judgment on them	Direct your focus to your breath, paying close attention to each inhalation and exhalation	Acknowledge that all emotions, even the negative ones, are part of the human experience	Carefully attend to the sensations in your body	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
Distraction	Imagine: raindrops silding down the window	Imagine: cloud in the sky	Imagine: the smile of Mona Liza	Imagine: a small boat sailing slowly in the Xiangjiang River	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
Resting State II	+	+	+	+	During the past 6 minutes, I was thinking about the past not at all A small portion of the time most of the time all the time
	90s	90s	90s	90s	

Supplementary Figure 1. The Chinese version of rumination-distraction task that was actually used. The picture from top to bottom shows six states in the task: resting state I (静息态), negative autobiographical state (自传体回忆), rumination state (冗思), mindfulness state (正念), distraction state (分心), resting state II (静息态). The left four columns show the stimulus texts in six states. The rightmost column shows the questions after each state using a Likert 4-point scale. For example, “During the past 6 minutes, I was thinking about the past”, for Chinese: “我在思考过去”. The scale ranged from 1 (“not at all”, for Chinese “完全没有”) to 4 (“all the time”, for Chinese “几乎所有时间”).

Supplementary Table 1 Questionnaire assessing participants' thought content and phenomenology during each state

	Questionnaire	Chinese version
1	During the past 6 minutes, I was thinking about the past	在过去六分钟，我在思考过去
2	During the past 6 minutes, I was thinking about the future	在过去六分钟，我在思考未来
3	During the past 6 minutes, I was thinking something about myself	在过去六分钟，我在思考关于我自己的事情
4	During the past 6 minutes, I was thinking about other things (not about myself)	在过去六分钟，我在思考与我无关的事情
5	During the past 6 minutes, what I was thinking was positive	在过去六分钟，我的思考是积极的
6	During the past 6 minutes, what I was thinking was negative	在过去六分钟，我的思考是消极的
7	During the past 6 minutes, what I imagined was in the form of picture	在过去六分钟，我以图片形式的方式进行想象
8	During the past 6 minutes, what I imagined was in the form of language	在过去六分钟，我以文字的形式进行想象
9	During the past 6 minutes, what I thought made me feel happy	在过去六分钟，我想的东西让我快乐
10	During the past 6 minutes, what I thought made me feel sad	在过去六分钟，我想的东西让我悲伤

Supplementary Table 2 The significantly higher functional connectivity during rumination

Brain region 1	MNI coordinate (x, y, z)			Brain network	Brain region 2	MNI coordinate (x, y, z)			Brain network
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	dIPFC	37.62	35.39	31.09	Salience
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	anteriorprefrontal	28.88	51.14	18.68	Salience
AngGyr	54.22	-45.24	36.94	Salience	dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	DorsalPCC	8.26	-39.94	48.11	Salience
dIPFC	37.62	35.39	31.09	Salience	Fusiform	60.79	-43.27	-17.64	Frontal-Parietal
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	DorsalPCC	-8.97	-42.55	50.11	Default Mode
					Pre-motor				
AngGyr	54.22	-45.24	36.94	Salience	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	DorsalPCC	6.17	-57.36	38.15	Default Mode
Fusiform	60.79	-43.27	-17.64	Frontal-Parietal	anteriorprefrontal	30.51	54.92	-3.52	Frontal-Parietal
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode
Broca-Operc	55.35	9.62	22.22	Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode

Pre-motor										
Supplementary-motor	25.22	12.41	49.39	Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode	
AngGyr	54.22	-45.24	36.94	Salience	DorsalPCC	8.26	-39.94	48.11	Salience	
AngGyr	47.83	-61.85	34.71	Default Mode	Pre-motor					
					Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal	
					Pre-motor					
Vismotor	14.82	-68.41	34.88	Default Mode	Supplementary-motor	39.74	3.44	33.99	Frontal-Parietal	
AngGyr	54.22	-45.24	36.94	Salience	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal	
Vismotor	-9.48	-71.01	31.86	Visual	dlPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	
SupramargGyr	52.84	-27.25	40.93	Somato-Motor	Vismotor	14.82	-68.41	34.88	Default Mode	
Fusiform	60.79	-43.27	-17.64	Frontal-Parietal	AngGyr	54.22	-45.24	36.94	Salience	
					Pre-motor					
VentPosCing	-7.37	-18.23	30.02	Cerebellar	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal	

DorsalPCC	7.83	-23.07	44.93	Visual	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
					Pre-motor				
VentPosCing	5.12	-38.94	27.02	Default Mode	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal
					Pre-motor				
VentPosCing	-5	-36.04	31.98	Cerebellar	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal
AngGyr	47.83	-61.85	34.71	Default Mode	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
Pre-motor									
Supplementary-motor	39.74	3.44	33.99	Frontal-Parietal	Vismotor	-9.48	-71.01	31.86	Visual
Pre-motor									
Supplementary-motor	39.74	3.44	33.99	Frontal-Parietal	Fusiform	36.45	-69.08	-17.46	Visual
DorsalPCC	8.26	-39.94	48.11	Salience	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
orbitoprefrontal	15.63	34.11	-22.59	Cerebellar	DorsalPCC	-8.97	-42.55	50.11	Default Mode

Pre-motor

Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode
AngGyr	47.83	-61.85	34.71	Default Mode	Fusiform	60.79	-43.27	-17.64	Frontal-Parietal
VentPosCing	-6.5	-53.94	37.44	Default Mode	Pre-motor				
SuptempGyrus	-57.05	14.52	-6.78	Default Mode	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal
DorsalPCC	8.26	-39.94	48.11	Default Mode	frontal eye field	-5.03	17.67	48.05	Salience
DorsalPCC	-8.97	-42.55	50.11	Salience	AngGyr	41.39	-75.34	27.98	Cingular-opercular
DorsalPCC	6.17	-57.36	38.15	Default Mode	dIPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
VentPosCing	5.12	-38.94	27.02	Default Mode	dIPFC	-46.12	28.15	26.79	Frontal-Parietal
frontal eye field	-5.03	17.67	48.05	Default Mode	Fusiform	60.79	-43.27	-17.64	Frontal-Parietal
SecVisual	-14.72	-83.97	-13.06	Salience	Temporalpole	-49.49	11.11	-30.56	Default Mode
Vismotor	14.82	-68.41	34.88	Cerebellar	frontal eye field	40.68	14.51	48.21	Frontal-Parietal
Fusiform	60.79	-43.27	-17.64	Default Mode	dIPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
dIPFC	-46.12	28.15	26.79	Frontal-Parietal	VentPosCing	-5	-36.04	31.98	Cerebellar
				Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode

Fusiform	55.22	-56.3	-4.78	Frontal-Parietal	AngGyr	41.39	-75.34	27.98	Cingular-opercular
AngGyr	54.22	-45.24	36.94	Salience	AngGyr	-53.42	-43.53	38.77	Frontal-Parietal
Fusiform	60.79	-43.27	-17.64	Frontal-Parietal	DorsalPCC	6.17	-57.36	38.15	Default Mode
VentPosCing	-6.5	-53.94	37.44	Default Mode	dIPFC	-46.12	28.15	26.79	Frontal-Parietal
Fusiform	60.79	-43.27	-17.64	Frontal-Parietal	Vismotor	14.82	-68.41	34.88	Default Mode
AngGyr	41.39	-75.34	27.98	Default Mode	DorsalPCC	6.17	-57.36	38.15	Default Mode
Vismotor	14.82	-68.41	34.88	Default Mode	Broca-Triang	-32.45	22.12	5.84	Salience
AngGyr	41.39	-75.34	27.98	Default Mode	Vismotor	14.82	-68.41	34.88	Default Mode
Pre-motor									
Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal	AngGyr	-42.05	-65.62	41.73	Default Mode
frontal eye field	-5.03	17.67	48.05	Salience	AngGyr	-51.38	-56.29	20.47	Default Mode
					Pre-motor				
Vismotor	14.82	-68.41	34.88	Default Mode	Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal
Vismotor	-9.83	-66.34	55.14	Cerebellar	Vismotor	14.82	-68.41	34.88	Default Mode
Visualassoc	-41.25	-75.44	22.76	Default Mode	anteriorprefrontal	8.18	45.93	-1.72	Default Mode

					Pre-motor					
Fusiform	36.45	-69.08	-17.46	Visual	Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal	
frontal eye field	-39.35	17.2	46.7	Default Mode	SecVisual	31.17	-91.77	-10.82	Cerebellar	
Fusiform	60.79	-43.27	-17.64	Frontal-Parietal	Vismotor	-9.48	-71.01	31.86	Visual	
Cerebellum	30.36	-36.44	-31.07	Cerebellar	DorsalPCC	6.17	-57.36	38.15	Default Mode	
AngGyr	41.39	-75.34	27.98	Default Mode	Vismotor	-9.48	-71.01	31.86	Visual	
					Pre-motor					
Vismotor	-9.48	-71.01	31.86	Visual	Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	
Pre-motor										
Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	Fusiform	36.45	-69.08	-17.46	Visual	
Cerebellum	30.36	-36.44	-31.07	Cerebellar	VentPosCing	-6.5	-53.94	37.44	Default Mode	
MedTemGyrus	50	-33.82	-0.66	Ventral-Attention	Cerebellum	23	-71.84	-29.07	Cerebellar	

Pre-motor

Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal	Temporalpole	-49.49	11.11	-30.56	Default Mode
Vismotor	-28.41	-62.35	40.42	Dorsal-Attention	Vismotor	14.82	-68.41	34.88	Default Mode
AngGyr	47.83	-61.85	34.71	Default Mode	Visualassoc	-41.25	-75.44	22.76	Default Mode
Cerebellum	23	-71.84	-29.07	Cerebellar	Pre-motor Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal
Vismotor	14.82	-68.41	34.88	Default Mode	AngGyr	-53.42	-43.53	38.77	Frontal-Parietal
Vismotor	-9.48	-71.01	31.86	Visual	Vismotor	-28.41	-62.35	40.42	Dorsal-Attention
VentPosCing	5.12	-38.94	27.02	Default Mode	Visualassoc	-41.25	-75.44	22.76	Default Mode
VentPosCing	-5	-36.04	31.98	Cerebellar	Visualassoc	-41.25	-75.44	22.76	Default Mode
AngGyr	-53.42	-43.53	38.77	Frontal-Parietal	Vismotor	-9.48	-71.01	31.86	Visual
Visualassoc	-41.25	-75.44	22.76	Default Mode	DorsalPCC	6.17	-57.36	38.15	Default Mode
Visualassoc	-41.25	-75.44	22.76	Default Mode	VentPosCing	-6.5	-53.94	37.44	Default Mode

Pre-motor

Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	SecVisual	-14.72	-83.97	-13.06	Cerebellar
Vismotor	-9.48	-71.01	31.86	Visual	Visualassoc	-41.25	-75.44	22.76	Default Mode
Vismotor	-9.48	-71.01	31.86	Visual	Cerebellum	-27.82	-35.98	-30.88	Cerebellar
SecVisual	31.17	-91.77	-10.82	Cerebellar	SecVisual	17.94	-83.43	-11.28	Visual
SecVisual	31.17	-91.77	-10.82	Cerebellar	MedTemGyrus	-57.62	-6.37	-22.69	Default Mode
SecVisual	17.94	-83.43	-11.28	Visual	SecVisual	-14.72	-83.97	-13.06	Cerebellar
Cerebellum	7.15	-68.97	-20.89	Cerebellar	SecVisual	-14.72	-83.97	-13.06	Cerebellar
SecVisual	17.94	-83.43	-11.28	Visual	Cerebellum	-40.32	-74.2	-29.15	Cerebellar

Supplementary Table 3 The significantly lower functional connectivity during rumination

Brain region 1	MNI coordinate (x, y, z)			Brain network	Brain region 2	MNI coordinate (x, y, z)			Brain network
frontal eye field	14.33	36.86	48.93	Default Mode	dIPFC	-10.15	55.69	30.24	Default Mode
frontal eye field	14.33	36.86	48.93	Default Mode	frontal eye field	-11.17	34.26	51.48	Default Mode
ParsOrbitalis	53.58	24.81	0.89	Ventral-Attention	Broca-Operc	55.35	9.62	22.22	Frontal-Parietal
frontal eye field	23.92	30.67	36.41	Default Mode	frontal eye field	-11.17	34.26	51.48	Default Mode
Broca-Operc	39.98	17.61	29.19	Frontal-Parietal	frontal eye field	-11.17	34.26	51.48	Default Mode
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	Cerebellum	11.72	84.13	-34.665	Cerebellar
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	frontal eye field	-5.03	17.67	48.05	Salience

Prim-Motor	57.78	-8.34	27.32	Somato-Motor	Pre-motor	Supplementary-motor	39.74	3.44	33.99	Frontal-Parietal
frontal eye field	23.92	30.67	36.41	Default Mode	anteriorprefrontal		-11.7	65.09	4.18	Default Mode
Broca-Operc	55.35	9.62	22.22	Frontal-Parietal	frontal eye field		-5.03	17.67	48.05	Salience
Pre-motor										
Supplementary-motor	25.22	12.41	49.39	Frontal-Parietal	frontal eye field		-5.03	17.67	48.05	Salience
anterior										
prefrontal	44.56	46.19	-4.9	Frontal-Parietal	Cerebellum		11.72	84.13	-34.665	Cerebellar
al										
Pre-motor	39.74	3.44	33.99	Frontal-Parietal	frontal eye field		-5.03	17.67	48.05	Salience

Supplementary-motor									
frontal eye field	-11.17	34.26	51.48	Default Mode	DorsalACC	7.84	34.68	17.09	Default Mode
dlPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	Caudate	13.75	-4.21	20.92	Subcortical
Broca-Triang	36.98	20.81	5.89	Salience	frontal eye field	-5.03	17.67	48.05	Salience
frontal eye field	-39.35	17.2	46.7	Default Mode	dlPFC(lat)	48.29	35.68	15.15	Frontal-Parietal
Pre-motor									
Supplementary-motor	26.32	-12.91	66.2	Somato-Motor	Primsensory	32.42	-39.19	49.58	Somato-Motor

Vismotor	25.71	-52.42	68.31	Somato-Motor	Pre-motor	26.32	-12.91	66.2	Somato-Motor
frontal eye field	6.69	21.42	31.46	Salience	Supplementary-motor	frontal eye field	-5.03	17.67	Salience
DorsalACC	7.84	34.68	17.09	Default Mode	anteriorprefrontal	-11.7	65.09	4.18	Default Mode
frontal eye field	23.92	30.67	36.41	Default Mode	frontal eye field	-39.35	17.2	46.7	Default Mode
Pre-motor									
Supplementary-motor	25.22	12.41	49.39	Frontal-Parietal	frontal eye field	-39.35	17.2	46.7	Default Mode
anterior prefrontal	44.56	46.19	-4.9	Frontal-Parietal	frontal eye field	-39.35	17.2	46.7	Default Mode

anterior										
prefrontal	14.56	64.73	3.64	Default Mode	frontal eye field	-39.35	17.2	46.7	Default Mode	
ParsOrbitalis	53.58	24.81	0.89	Ventral-Attention	frontal eye field	-39.35	17.2	46.7	Default Mode	
frontal eye field	-5.03	17.67	48.05	Saliience	Pre-motor Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal	
anterior										
prefrontal	14.56	64.73	3.64	Default Mode	VentPosCing	7.01	-18.84	29.78	Cerebellar	
ParsOrbitalis	53.58	24.81	0.89	Ventral-Attention	Pre-motor Supplementary-motor	-27.58	-9.08	55.86	Dorsal-Attention	
dIPFC	-46.12	28.15	26.79	Frontal-Parietal	Broca-Operc	55.35	9.62	22.22	Frontal-Parietal	

Broca-Operc	55.35	9.62	22.22	Frontal-Parietal	Pre-motor Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal
VentPosCing	-7.37	-18.23	30.02	Cerebellar	anteriorprefrontal	14.56	64.73	3.64	Default Mode
ParsOrbitalis	33.4	37.28	-16.43	Cerebellar	frontal eye field	-39.35	17.2	46.7	Default Mode
Broca-Operc	-53.07	18.36	10.55	Frontal-Parietal	dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal
dIPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	ParsOrbitalis	-46.03	28.19	-7.12	Default Mode
Fusiform	55.22	-56.3	-4.78	Frontal-Parietal	Pre-motor Supplementary-motor	26.32	-12.91	66.2	Somato-Motor
Cerebellum	11.72	84.13	-34.665	Cerebellar	dIPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal

frontal eye field	-5.03	17.67	48.05	Salience	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
AngGyr	54.22	-45.24	36.94	Salience	frontal eye field	-39.35	17.2	46.7	Default Mode
ParsOrb italis	-28.35	36.03	-15.64	Cerebellar	Pre-motor Supplementary- motor	39.74	3.44	33.99	Frontal-Parietal
orbitopr efrontal	9.57	17.75	-19.5	Cerebellar	frontal eye field	-5.03	17.67	48.05	Salience
Broca- Operc	55.35	9.62	22.22	Frontal-Parietal	Broca-Operc	-53.07	18.36	10.55	Frontal-Parietal
Fusifor m	60.79	-43.27	-17.64	Frontal-Parietal	Cerebellum	11.72	84.13	-34.665	Cerebellar
ParsOrb italis	53.58	24.81	0.89	Ventral-Attention	ParsOrbitalis	-46.03	28.19	-7.12	Default Mode
Vismoto r	25.71	-52.42	68.31	Somato-Motor	Primsensory	-23.5	-31.62	63.61	Somato-Motor

Vismotor	25.71	-52.42	68.31	Somato-Motor	Primsensory	-35.88	-23.3	65.6	Somato-Motor
dlPFC(lat)	48.29	35.68	15.15	Frontal-Parietal	Hippocampus	-22.7	-12.76	-17.43	Cerebellar
Cerebellum	11.72	84.13	-34.665	Cerebellar	Vismotor	-9.83	-66.34	55.14	Cerebellar
frontal eye field	-39.35	17.2	46.7	Default Mode	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal
Broca-Operc	55.35	9.62	22.22	Frontal-Parietal	Hippocampus	-22.7	-12.76	-17.43	Cerebellar
Pre-motor					Pre-motor				
Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	Supplementary-motor	-23.22	10.66	53.61	Frontal-Parietal
ParsOrbitalis	33.4	37.28	-16.43	Cerebellar	ParsOrbitalis	-46.03	28.19	-7.12	Default Mode

orbitopr					Pre-motor					
efrontal	5.08	34.9	-17.35	Cerebellar	Supplementary- motor	-45.08	-0.43	49.28	Frontal-Parietal	
orbitopr	15.63	34.11	-22.59	Cerebellar	anteriorprefrontal	-42.72	47.25	-6.93	Frontal-Parietal	
efrontal										
Pre- motor										
Supple	39.74	3.44	33.99	Frontal-Parietal	Hippocampus	-22.7	-12.76	-17.43	Cerebellar	
mentary										
-motor										
VentPos										
Cing	7.01	-18.84	29.78	Cerebellar	VentPosCing	-7.37	-18.23	30.02	Cerebellar	
Tempor										
alpole	-49.49	11.11	-30.56	Default Mode	frontal eye field	23.92	30.67	36.41	Default Mode	
AngGyr	41.39	-75.34	27.98	Default Mode	frontal eye field	-39.35	17.2	46.7	Default Mode	
AngGyr	-42.05	-65.62	41.73	Default Mode	anteriorprefrontal	14.56	64.73	3.64	Default Mode	

Tempor alpole anterior	27.18	11.56	-39.16	Default Mode	Amygdala	31.16	3.71	-21.64	Cerebellar
prefront al	-11.7	65.09	4.18	Default Mode	Vismotor	-9.48	-71.01	31.86	Visual
frontal eye field	-5.03	17.67	48.05	Salience	AngGyr	-53.42	-43.53	38.77	Frontal-Parietal
Broca- Operc	39.98	17.61	29.19	Frontal-Parietal	Fusiform	-26.69	-42.72	-16.14	Default Mode
InfTem Gyrus	31.46	0.67	-44.44	Cerebellar	Amygdala	31.16	3.71	-21.64	Cerebellar
Vismoto r	14.82	-68.41	34.88	Default Mode	VentPosCing	7.01	-18.84	29.78	Cerebellar
Parahip p	-30.54	-23.92	-26.61	Cerebellar	ParsOrbitalis	53.58	24.81	0.89	Ventral-Attention
VentPos Cing	-7.37	-18.23	30.02	Cerebellar	VentPosCing	5.12	-38.94	27.02	Default Mode

VentPos Cing	5.12	-38.94	27.02	Default Mode	Caudate	-14.6	-3.51	21.09	Subcortical
dlPFC(l at)	48.29	35.68	15.15	Frontal-Parietal	Cerebellum	19.65	-73.53	-50.02	Cerebellar
InfTem Gyrus	43.36	-26.48	-24.63	Cerebellar	Fusiform	60.79	-43.27	-17.64	Frontal-Parietal
Tempor alpole	27.18	11.56	-39.16	Default Mode	InfTemGyrus	43.36	-26.48	-24.63	Cerebellar
DorsalP CC	6.17	-57.36	38.15	Default Mode	VentPosCing	-7.37	-18.23	30.02	Cerebellar
Pre- motor									
Supple mentary -motor	-23.22	10.66	53.61	Frontal-Parietal	Hippocampus	-22.7	-12.76	-17.43	Cerebellar
Broca- Operc	-53.07	18.36	10.55	Frontal-Parietal	dlPFC(lat)	-42.97	42.04	11.04	Frontal-Parietal

orbitopr efrontal	-8.15	39.69	-21.44	Cerebellar	Broca-Operc	-53.07	18.36	10.55	Frontal-Parietal
Vismoto r	14.82	-68.41	34.88	Default Mode	VentPosCing	-7.37	-18.23	30.02	Cerebellar
InfTem Gyrus	43.36	-26.48	-24.63	Cerebellar	Parahipp	24.59	-2.6	-30.72	Cerebellar
Pre- motor									
Supple mentary	-46.23	7.93	28.58	Frontal-Parietal	InfTemGyrus	40.31	-11.27	-35.81	Cerebellar
-motor									
orbitopr efrontal	9.57	17.75	-19.5	Cerebellar	ParsOrbitalis	-46.03	28.19	-7.12	Default Mode
Parahip p	-30.54	-23.92	-26.61	Cerebellar	frontal eye field	-5.03	17.67	48.05	Salience
InfTem Gyrus	31.46	0.67	-44.44	Cerebellar	Parahipp	24.59	-2.6	-30.72	Cerebellar

Cerebellum	-6.62	-54.67	-26.32	Cerebellar	Broca-Triang	36.98	20.81	5.89	Salience
VentPosCing	7.01	-18.84	29.78	Cerebellar	SecVisual	7.71	-74.97	25.03	Visual
Vismotor	14.82	-68.41	34.88	Default Mode	VentPosCing	5.12	-38.94	27.02	Default Mode
InfTemGyrus	31.46	0.67	-44.44	Cerebellar	Parahipp	28.03	-28.38	-13.66	Default Mode
VentPosCing	7.01	-18.84	29.78	Cerebellar	Vismotor	-9.48	-71.01	31.86	Visual
Amygdala	31.16	3.71	-21.64	Cerebellar	Temporalpole	-34.65	18.63	-32.23	Default Mode
SecVisual	7.71	-74.97	25.03	Visual	VentPosCing	-7.37	-18.23	30.02	Cerebellar
AngGyr	-51.38	-56.29	20.47	Default Mode	AngGyr	54.22	-45.24	36.94	Salience
Vismotor	14.82	-68.41	34.88	Default Mode	VentPosCing	-6.5	-53.94	37.44	Default Mode

Visualas soc	-25.9	-63.14	-12.25	Visual	anteriorprefrontal	-11.7	65.09	4.18	Default Mode
Vismoto r	-9.48	-71.01	31.86	Visual	VentPosCing	-7.37	-18.23	30.02	Cerebellar
Pre- motor									
Supple mentary -motor	26.32	-12.91	66.2	Somato-Motor	Fusiform	-60.35	-50.04	-14.02	Cerebellar
AngGyr	54.22	-45.24	36.94	Salience	InfTemGyrus	-49.31	-4.7	-37.37	Cerebellar
Fusifor m	25.23	-44.56	-12.22	Visual	Parahipp	28.03	-28.38	-13.66	Default Mode
Thalam us	12.26	-27.74	13.5	Subcortical	Basal Ganglia	-23.59	-41.29	19.92	Auditory
Cerebell um	-6.62	-54.67	-26.32	Cerebellar	Pre-motor Supplementary- motor	-6.47	-4.31	47.6	Cingular- opercular

Cerebellum	-6.62	-54.67	-26.32	Cerebellar	VentAntCing	-5.1	13.15	28.74	Cingular-opercular
Pre-motor									
Supplementary-motor	-9.06	0.38	66.53	Cingular-opercular	Fusiform	-46.67	-39.97	-24.3	Cerebellar
					Pre-motor				
AngGyr	-53.42	-43.53	38.77	Frontal-Parietal	Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal
Vismotor	14.82	-68.41	34.88	Default Mode	AgrRetrolimb	-7.47	-42.12	13.32	Default Mode
Fusiform	-46.67	-39.97	-24.3	Cerebellar	ParsOrbitalis	33.4	37.28	-16.43	Cerebellar
InfTemGyrus	40.31	-11.27	-35.81	Cerebellar	Hippocampus	-22.7	-12.76	-17.43	Cerebellar

Cerebellum	6.92	-67.95	-37.33	Cerebellar	VentAntCing	-5.1	13.15	28.74	Cingular-opercular
Temporale pole	-49.49	11.11	-30.56	Default Mode	AngGyr	48.95	-58.12	14.36	Dorsal-Attention
VentPosCing	-6.5	-53.94	37.44	Default Mode	SecVisual	7.71	-74.97	25.03	Visual
Cerebellum	33.77	-47.23	-53.93	Cerebellar	Thalamus	5.46	-9.67	5.24	Subcortical
Pre-motor									
Supplementary-motor	-9.06	0.38	66.53	Cingular-opercular	Fusiform	-60.35	-50.04	-14.02	Cerebellar
Vismotor	14.82	-68.41	34.88	Default Mode	VentPosCing	-8.6	-58.79	17.61	Default Mode
Vismotor	-28.41	-62.35	40.42	Dorsal-Attention	Putamen	-24.78	5.62	-0.08	Subcortical

Fusiform	-60.35	-50.04	-14.02	Cerebellar	Pre-motor Supplementary-motor	6.97	-8.07	52.92	Somato-Motor
Pre-motor									
Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal	Parahipp	-29.96	-5.77	-40.93	Cerebellar
Cerebellum	36.7	-57.1	-32.77	Cerebellar	Vismotor	-9.83	-66.34	55.14	Cerebellar
Pre-motor									
Supplementary-motor	6	-22.28	65.57	Somato-Motor	Fusiform	-60.35	-50.04	-14.02	Cerebellar
Pre-motor	-45.08	-0.43	49.28	Frontal-Parietal	Parahipp	-30.54	-23.92	-26.61	Cerebellar

mentary										
-motor										
Cerebellum	32.22	-78.45	-40.43	Default Mode	Thalamus	12.26	-27.74	13.5	Subcortical	
Pre-motor										
Supplementary	-45.08	-0.43	49.28	Frontal-Parietal	Visualassoc	-41.25	-75.44	22.76	Default Mode	
-motor										
Fusiform	-60.35	-50.04	-14.02	Cerebellar	Pre-motor					
					Supplementary-motor	-16.2	-19.23	69.53	Somato-Motor	
Parahipp	-30.54	-23.92	-26.61	Cerebellar	Pre-motor					
					Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	
Medial Temporal Gyrus	-57.62	-6.37	-22.69	Default Mode	Angular Gyrus	41.39	-75.34	27.98	Default Mode	

Cerebellum	23	-71.84	-29.07	Cerebellar	Vismotor	-9.83	-66.34	55.14	Cerebellar
Fusiform	-26.69	-42.72	-16.14	Default Mode	Parahipp	28.03	-28.38	-13.66	Default Mode
Cerebellum	32.22	-78.45	-40.43	Default Mode	DorsalPCC	6.17	-57.36	38.15	Default Mode
Broca-Operc	-53.07	18.36	10.55	Frontal-Parietal	Parahipp	-29.96	-5.77	-40.93	Cerebellar
Parahipp	29.31	-19.59	-26.31	Cerebellar	Fusiform	-26.69	-42.72	-16.14	Default Mode
Cerebellum	36.7	-57.1	-32.77	Cerebellar	Vismotor	-28.41	-62.35	40.42	Dorsal-Attention
Pre-motor									
Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	Visualassoc	-41.25	-75.44	22.76	Default Mode

Pre-motor									
Supplementary-motor	-46.23	7.93	28.58	Frontal-Parietal	Cerebellum	-27.82	-35.98	-30.88	Cerebellar
Pre-motor									
Supplementary-motor	-27.58	-9.08	55.86	Dorsal-Attention	Fusiform	-60.35	-50.04	-14.02	Cerebellar
Fusiform anterior prefrontal	55.22	-56.3	-4.78	Frontal-Parietal	InfTemGyrus	-57.83	-47.48	5.24	Ventral-Attention
Brainstem	-42.72	47.25	-6.93	Frontal-Parietal	Fusiform	-46.67	-39.97	-24.3	Cerebellar
	19.29	-7.65	-14.83	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar

Cerebellum	45.96	-46.48	-42.45	Cerebellar	Cerebellum	41.9	-63.98	-49.17	Cerebellar
InfTem Gyrus	40.31	-11.27	-35.81	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar
InfTem Gyrus	43.36	-26.48	-24.63	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar
Pre-motor									
Supplementary-motor	-45.08	-0.43	49.28	Frontal-Parietal	Fusiform	-60.35	-50.04	-14.02	Cerebellar
Parahipp	28.03	-28.38	-13.66	Default Mode	Fusiform	-42.57	-52.11	-17.36	Cerebellar
PrimVisual	-22.11	-66.7	7.45	Visual	VentPosCing	-8.6	-58.79	17.61	Default Mode
Cerebellum	41.9	-63.98	-49.17	Cerebellar	Cerebellum	33.77	-47.23	-53.93	Cerebellar

Cerebellum	33.77	-47.23	-53.93	Cerebellar	Cerebellum	-10.3	-37.72	-25.07	Cerebellar
Cerebellum	23.53	-35.93	-42.96	Cerebellar	Cerebellum	23.39	-59.27	-52.06	Cerebellar
Visual areas	-41.25	-75.44	22.76	Default Mode	Vismotor	-28.41	-62.35	40.42	Dorsal-Attention
Thalamus	12.26	-27.74	13.5	Subcortical	Cerebellum	-40.32	-74.2	-29.15	Cerebellar
Cerebellum	30.36	-36.44	-31.07	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar
Fusiform	-60.35	-50.04	-14.02	Cerebellar	Broca-Operc	-53.07	18.36	10.55	Frontal-Parietal
Vismotor	-9.48	-71.01	31.86	Visual	SecVisual	-10.83	-98.14	7.63	Visual
Cerebellum	33.77	-47.23	-53.93	Cerebellar	Cerebellum	-6.62	-54.67	-26.32	Cerebellar

Cerebellum	23.53	-35.93	-42.96	Cerebellar	Cerebellum	7.63	-56.72	-50.78	Cerebellar
Cerebellum	23.39	-59.27	-52.06	Cerebellar	Cerebellum	33.77	-47.23	-53.93	Cerebellar
Cerebellum	-30.17	-80.21	-40.35	Cerebellar	VentPosCing	5.12	-38.94	27.02	Default Mode
Fusiform	-46.67	-39.97	-24.3	Cerebellar	Cerebellum	13.69	-40.06	-25.39	Cerebellar
Cerebellum	36.7	-57.1	-32.77	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar
Cerebellum	7.63	-56.72	-50.78	Cerebellar	Cerebellum	33.77	-47.23	-53.93	Cerebellar
Cerebellum	16.18	-47.2	-52.31	Cerebellar	Cerebellum	-6.62	-54.67	-26.32	Cerebellar
Cerebellum	13.69	-40.06	-25.39	Cerebellar	Fusiform	-60.35	-50.04	-14.02	Cerebellar

Cerebellum	30.36	-36.44	-31.07	Cerebellar	Cerebellum	-21.24	-70.12	-48.88	Cerebellar
Cerebellum	23.53	-35.93	-42.96	Cerebellar	Cerebellum	-21.24	-70.12	-48.88	Cerebellar
Cerebellum	19.65	-73.53	-50.02	Cerebellar	Fusiform	-46.67	-39.97	-24.3	Cerebellar
Cerebellum	19.65	-73.53	-50.02	Cerebellar	Fusiform	-60.35	-50.04	-14.02	Cerebellar
