

Supplementary Data

SUPPLEMENTARY TABLE S1. BRAIN REGIONS
SHOWING SIGNIFICANT CORRELATION BETWEEN HEAD
MOTION AND SPECTRAL POWER ($N=1000$)
WITHOUT GLOBAL SIGNAL REGRESSION

	L/R	Size (voxel)	MNI coordinates			Peak z-stat
			x	y	z	
Low frequency (0.007–0.05 Hz)						
S1/M1	R	558	54	-20	8	6.15
	R	680	56	-16	40	5.04
	L	576	-52	-16	0	5.27
MCC	R	729	2	0	50	5.39
Insula	R	710	36	-16	-2	5.88
	L	966	-30	-20	-2	6.21
MPFC	R	394	8	50	-24	-5.21
HF	R	357	26	-12	-18	-7.39
	L	316	-30	-18	-18	-6.56
LTC	R	586	48	-32	-24	-5.81
	L	272	-46	-34	-22	-5.83
IPL	L	301	-46	-64	50	-5.94
	R	96	42	-70	48	-4.38
Orbitofrontal cortex	R	260	14	24	-20	-5.61
	L	437	-18	26	-20	-6.79
Mid frequency (0.05–0.12 Hz)						
S1/M1	R	1277	52	-22	54	-4.55
LTC	R	361	62	-8	-6	-4.94
	L	159	-64	-22	4	-4.10
Cingulate cortex	R	157	4	28	22	-3.29
MT+	R	361	48	-68	14	-6.01
	L	121	-50	-72	12	-4.54
Cuneus	L	592	-2	-82	-16	-4.88
High frequency (0.12–0.167 Hz)						
MPFC	—	1912	0	60	12	6.52
PCC/precuneus	R	771	4	-64	38	5.68
IPL	L	592	-36	-80	40	5.81
	R	378	40	-74	44	5.18
LTC	L	119	-36	22	-26	3.90
HF	R	104	26	-12	-18	4.65
	L	224	-28	-16	-18	5.36
Orbitofrontal cortex	R	313	20	30	-20	6.19
	L	638	-20	28	-18	7.62
dlPFC	L	364	-30	62	4	5.25
	R	525	12	66	16	5.91
Cuneus	L	248	-12	-84	46	4.81
Insula	R	261	32	-22	8	-4.18
	L	429	-34	-34	14	-4.97

GSR, global signal regression; S1/M, pre- and postcentral cortex; MCC, mid-cingulate cortex; MPFC, medial prefrontal cortex; PCC, posterior cingulate cortex; IPL, inferior parietal lobule; LTC, lateral temporal cortex; HF, hippocampal formation; dlPFC, dorsolateral prefrontal cortex; MT+, visual area MT (middle temporal).