

Supporting Table 3. Significant clusters of activation obtained when each type of motion was contrasted with "rest"

Brain Region	BA	Side	1/3>Rest		0>Rest		-1/3>Rest	
			X Y Z	Z	X Y Z	Z	X Y Z	Z
MFG	9	L	-15,43,21	5.99				
			-39,26,27	4.1				
IFG/precentral gyrus	44	R	51,12,9	7.53	46,14,6	4.42	48,11,6	3.71
IFG	45	R	38,25,6	5.15				
PMd/M1	4/6	L	-44,-7,39	4.73	-27,-15,46	4.52	-22,-17,52	4.36
					-40,-11,41	3.93		
	4/6	R	27,-20,48	5.07	26,-16,49	5.56		
PMv	6	R	48,2,20	4.87	58,-4,40	5.04	50,-6,40	4.94
		L	-45,-3,25	4.91	-60-4,35	4.07		
					-49,-2,24	4.67		
RCZ/Pre-SMA	6,24	R	10,3,46	5.78	13,9,47	6.35		
		L	-1,12,42	4.88	-10,15,43	4.32		
SMA	6	L	-4,-17,50	4.87				
CCZ/SMA		R	5,-2,49	5.78	7,-2,48	5.41		
CCZ	24	R	10,-3,30	3.72				
PCgG	23,31	L	-9,-28,36	5.17	-11,-32,35	5.44		
		R	10,-35,26	5.8				
AnC	32	R	6,22,30	3.88				
PcG/M1	3,4	R	38,-17,48	4.7	39,-14,46	4.17		
		L	-24,-17,49	6.53				
PcG	40	R	56,-25,18	3.96				
SPL,IPS	7	L			-31,-70,47	3.99	-33,-73,49	4.65
		R					35,-60,52	4.27
IPL,IPS	40	R	35,-47,35	6.54	35,-49,35	5.28	35,-45,35	5.18
			60,-35,22	4.98				
		L	-31,-50,40	5.6	-41,-47,32	5.55	-44,-40,29	5.38
			42,-42,36	5.86			-58,-41,46	5.0
Precuneus	7,19	R	19,-70,36	5.02			35,-60,52	
		L	-15,-82,39	3.81	-20,-80,47	3.32	-31,-62,39	5.06
STS/STG	22	R	59,-40,16	5.29	59,-40,17	4.59		
			68,-27,2	4.0				
		L			-55,-41,17	5.50	-52,-40,18	4.42
PHG	27	R			21,-31,-10	4.84	19,-29,-3	3.88
lingual gyrus	17,18	R	21,-87,-3	4.76				
MOG/cuneus	18,19	R	22,-86,16	4.27	22,-83,9	3.74	32,-84,1	5.21
							27,-88,23	4.21
FG/IOG	18	L	-23,-91,-12	6.5	-25,-90,-11	4.89	-26,-89,-11	5.39
		R					22,-86,-18	4.17
FG	19/37	R	43,-55,-16	6.78	42,-60,-14	8.10	44,-60,-16	5.15
FG		L	-44,-65,-16	8.10	-45,-63,-16	9.07	-46,-62,-15	6.54
insula	13	R					37,20,11	3.77
		L	-32,23,7	5.04	-33,-11,0	5.53	-29,25,12	4.37
			-55,-37,23	5.4				
claustrum		L	-33,2,-1	4.38				
medial GP		R	17,-4,-5	5.02				
caudate		R	11,2,11	3.53				
putamen		L	-13,10,-4	4.02				
putamen		R	14,11,-3	4.2				
thalamus		R	11,-16,0	4.92				
			22,-29,-2	4.86				
pyramis		L	-12,-17,0	6.47				
P. Cereb(uvula).		R	15,-78,-23	4.37			17,-76,-40	4.91
		L					-5,-79,-36	4.62
P. Cereb(tuber).		L	-40,-57,-30	4.73				
P. Cereb (pyramis).		L	-22,-76,-31	4.64			-23,-80,-33	4.11

For each cluster Talairach coordinates at the centre of gravity are specified along with the corresponding Brodmann area (BA) and the peak Z score.

AnC, anterior cingulate gyrus; CCZ, caudal cingulate zone; FG, fusiform gyrus; IFG, inferior frontal gyrus; GP, globus pallidus; IOG, inferior occipital gyrus; IPL, inferior parietal lobule; IPS, intraparietal sulcus; M1, primary motor cortex; MFG, middle frontal gyrus; MOG, middle occipital gyrus; P.Cereb: posterior cerebellum; PcG, posterior cingulate gyrus; PCgG, posterior cingulate gyrus, PHG, parahippocampal gyrus; PMd, dorsal premotor; PMv, ventral premotor; SMA, supplementary motor area; RCZ, rostral cingulate zone; SPL, superior parietal lobule; STG, superior temporal gyrus; STS, superior temporal sulcus; All areas are corrected for multiple comparisons at cluster level (at $p < 0.05$). Minimum volume cluster size 112 voxels.