

Table 5. Significant clusters of activation obtained in pair-wise comparisons between the different types of motion (main experiment)

| 1/3>-1/3 | | | | | |
|-----------------------------------------|-------|--------------------------|--------------|------------------------|--------------|
| | | Left Hemisphere | | Right Hemisphere | |
| Region | BA | X Y Z | Z | X Y Z | Z |
| Superior frontal gyrus | 9 | -14,45,21 | 5.05 | | |
| Inferior frontal gyrus | 9 | -35,9,25 | 4.62 | | |
| Inferior frontal gyrus | 45-47 | -49,26,8 | 6.19 | | |
| Inferior frontal gyrus | 44 | -50,5,8 | 3.81 | 55,12,10 | 3.43 |
| Ventromedial PFC | 10,11 | -32,38,7 | 2.98 | | |
| SMA | 6 | -4,-19,49 | 4.3 | 1,-16,46 | 5.88 |
| Ventral premotor cortex | 6 | -35,-4,40 | 4.66 | | |
| Middle frontal gyrus | 9 | | | 30,31,24 | 4.13 |
| Precentral gyrus | 9 | -37,15,36 | 4.4 | | |
| Precentral gyrus (M1) | 4 | -34,-22,53 -23,-20,50 | 4.28 3.62 | | |
| Postcentral gyrus | 3,40 | | | 22,-27,49 38,-28,40 | 3.18 3.47 |
| Inferior partial lobule | 40 | -35,-42,43 | 3.28 | | |
| Supramarginal gyrus | 40 | -56,-46,30 | 4.23 | | |
| RCZ/CCZ | 24 | -2,4,37 | 5.88 | | |
| Posterior cingulate gyrus | 31 | -9,-42,38 | 4.39 | 11-31,39 | 4.46 |
| Middle temporal gyrus | 21,39 | -61,-50,6 - 48,-61,24 | 4.79 4.26 | | |
| Superior temporal gyrus | 22,39 | -59,-59,20 | 4.21 | 61,-36,17 | 4.11 |
| Parahippocampal gyrus | | -28,-33,-5 | 4.66 | 37,-21,-13 | 3.87 |
| Lingual gyrus | 17-19 | -13,-74,-2 | 5.17 | | |
| Cuneus | 17 | -22,-76,14 | 4.45 | 11,-82,3 | 5.3 |
| Fusiform gyrus | 18,19 | -38,-74,-12 | 3.8 | 37,-65,-3 | 4.76 |
| Insula | 13 | -39,5,-4 | 4.47 | | |
| Posterior cerebellum (declive/uvula) | | -22,-62,-20 | 5.01 | | |
| -1/3>1/3 | | | | | |
| No activation obtained | | | | | |
| 1/3>0 | | | | | |
| | | Left Hemisphere | | Right Hemisphere | |
| Region | BA | X Y Z | Z | X Y Z | Z |
| Superior frontal gyrus | 9 | | | 22,62,29 | 3.92 |

| | | | | | |
|------------------------------|-----------|------------------------|----------|-------------------------|----------|
| Inferior frontal gyrus | 47 | | | 26,20,-25 | 4.94 |
| Inferior frontal gyrus | 45 | -48,22,18 | 4.33 | 49,27,6 | 3.45 |
| Ventromedial PFC | 10,11 | -26,43,2 | 6.83 | | |
| Ventral premotor cortex | 6 | -50,-7,39 | 4.79 | | |
| Inferior parietal lobule | 40 | -33,-43,44 | 3.37 | | |
| Middle occipital gyrus | 19 | -27,-80,12 | 4.28 | | |
| Fusiform gyrus | 37 | | | 38,-61,-14 | 4.58 |
| Caudate | | -4,2,16 | 5.78 | 9,-2,23 | 4.0 |
| Posterior cerebellum (uvula) | | | | -20,-66,-24 | 4.73 |
| 0>1/3 | | | | | |
| | | Left Hemisphere | | Right Hemisphere | |
| Region | BA | X Y Z | Z | X Y Z | Z |
| Parahippocampal gyrus | | | | 22,-38,-11 | 4.97 |

For each cluster, Talairach coordinates at the center of gravity are specified along with the corresponding Brodmann area (BA) and the peak Z score. CCZ, caudal cingulate zone; PFC, prefrontal cortex; RCZ, rostral cingulate zone; SMA, supplementary motor area; STG, superior temporal gyrus. All areas are corrected for multiple comparisons at cluster level (at $P < 0.05$). Minimum volume cluster size, 134 voxels.