

Table 2. Comparison of activation obtained in the present study (for additional data, see Table 1) with those obtained in other studies

| Current Study | | | Activations in other Studies | | |
|--------------------|-----------------------|-------------------------------|------------------------------|------------------|---------------------------------|
| Area of activation | Talairach cords. | Task | Paper | Talairach cords. | Task |
| L. IFG (9) | -35,8,24 | 1/3>[0+(-1/3)] | 20 | -40,10,26 | Perception of mouth movements |
| | | | SI1 | -37,5,25 | Perception of biological motion |
| L. IFG (45) | -47,23,15 | 1/3>[0+(-1/3)] | SI2 | -51,10,18 | imitation |
| | | | SI3 | -48,12,22 | action observation |
| | | | 20 | -48,26,6 | Perception of mouth movements |
| | | | SI4 | -45,22,16 | Perception of speech movements |
| | | | SI1 | -41,14,18 | Perception of biological motion |
| | | | SI5 | -53,10,26 | imitation |
| | | | 18 | -50,12,12 | imitation |
| | | | SI6 | -54,12,12 | movement imagery |
| L. IFG (44) | -50,1,11 | 1/3>[0+(-1/3)] | SI2 | -51,10,18 | imitation |
| L. PMd | -42,0,45 -49,-8,39 | 1/3>[0+(-1/3)] | SI7 | -52,6,40 | observation of mouth actions |
| | | | SI7 | -40,-1,55 | observation of foot actions |
| | | | SI8 | -42,-4,43 | action observation & imitation |
| | | | 20 | -44,-4,42 | Perception of mouth movements |
| | | | SI9 | -38,-1,55 | Movement & movement imagery |
| | | | SI9 | -47,4, 48 | movement imagery |
| | | | SI6 | -42,3,51 | movement imagery |
| | | | 16 | -32,-2,50 | motor response selection |
| | | | 16 | -42,-10,52 | simple motor responses |
| SI10 | ± 44,5,51 | complex motor responses | | | |
| R. STS/STG | 58,-33,11 | 1/3>[0+(-1/3)] | SI3 | 64,-38,16 | action observation |
| | | | SI3 | 66,-38,18 | action observation |
| | | | SI8 | 67,-32,13 | action observation/imitation |
| | | | SI11 | 61,-35,9 | perception of face motion |
| | | | SI4 | 56,-29,9 | Perception of speech movements |
| | | | 20 | 58,-34,12 | Perception of mouth movements |
| | | | 21 | 57,-41,21 | Perception of biological motion |
| SI12 | 53,-36,6 | Perception of mouth movements | | | |
| L. pMTG | -60,-49,7 | 1/3>[0+(-1/3)] | 20 | -56,-44,2 | Perception of mouth movements |
| | | | SI3 | -58,-50,10 | action observation |
| | | | SI6 | -60,-57,6 | movement imagery |

| Current Study | | | Activations in other Studies | | |
|--------------------|------------------|---------------------------------|------------------------------|------------------|---------------------------------|
| Area of activation | Talairach cords. | Task | Refs. | Talairach cords. | Task |
| R. PHG | 23,-37,-11 | 0>[1/3+(-1/3)] | 37 | 23,-40,-7 | navigation |
| | | | SI13 | 26,-39,-12 | navigation |
| R. FG | 39,-63,-5 | 1/3>[0+(-1/3)] | 20 | 46,-62,-4 | Perception of mouth movements |
| | | | SI3 | 44,-64,0 | action observation |
| | | | 21 | 44,-69,-7 | Perception of biological motion |
| | | | SI4 | 41,-58,-2 | perception of speech motion |
| SI14 | 46,-66,-6 | Perception of biological motion | | | |
| L Cuneus | -24,-78,14 | 1/3>[0+(-1/3)] | SI15 | -22,-84,24 | Perception of biological motion |
| L. CCZ/SMA | -3,-5,43 | 1/3>[0+(-1/3)] | 19 | -5,-4,50 | movement imagery |
| | | | 19 | -5,-8,38 | movement imagery |
| | | | SI16 | -1,-1,49 | movement imagery |
| L. CCZ/SMA | -4 -26 41 | 1/3>[0+(-1/3)] | 17 | -2,-21,42 | rhythmic arm movements |
| L. RCZ | -2,12,43 | 1/3>[0+(-1/3)] | 17 | -2,12,43 | discrete arm movements |
| L. Pos. cerebellum | -20,-63,-23 | 1/3>[0+(-1/3)] | SI4 | -22,-52,-19 | Perception of speech movements |
| | | | SI17 | -24,-57,-32 | Perception of geometrical forms |

Coordinates which were originally reported in MNI space were transformed into Talairach space. CCZ, caudal cingulate zone; FG, fusiform gyrus; IFG, inferior frontal gyrus; L, left; MTG, middle temporal gyrus; PHG, parahippocampal gyrus; PMd, dorsal premotor cortex; R, right; SMA, supplementary motor area; STG, superior temporal gyrus; STS, superior temporal sulcus. SI references are listed in *SI Text*. All other references are listed in the main text.