|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **H** | **BA** |  **k** | **x** | **y** | **z** |  **t** | **ES [95% CI]** |
| Group Analyses [Landmark > Fixation] |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **[Young]** | Calcarine Cortex [Lingual Gyrus] [Calcarine Cortex] | LR | 171817 | 741 | -9-1212 | -91-88-91 | 5-42 | 8.818.286.62 | 3.45 [2.68, 4.22]2.50 [1.91, 3.10]2.68 [1.89, 3.48] |
|  |  |  |  |  |  |  |  |  |  |
|  | Superior Frontal Gyrus | R |  6 | 128 | 21 | -7 | 68 | 6.55 | 1.04 [0.73, 1.35] |
|  |  [Superior Frontal Gyrus]  [Supplementary Motor Gyrus] |  |  |  | 2412 | -72 | 5656 | 5.714.95 | 0.93 [0.61, 1.25]0.47 [0.28, 0.65] |
|  |  |  |  |  |  |  |  |  |  |
|  | Superior Frontal Gyrus | L |  6 |  79 | -21 | -7 | 65 | 6.25 | 1.05 [0.72, 1.38] |
|  |  |  |  |  |  |  |  |  |  |
|  | Superior Parietal Gyrus | L |  7 |  14 | -15-21 | -61-55 | 7162 | 5.244.87 | 1.90 [1.19, 2.61]1.40 [0.84, 1.97] |
|  |  |  |  |  |  |  |  |  |  |
|  | Superior Parietal Gyrus | R |  7 |  68 | 15 | -58 | 59 | 5.17 | 1.44 [0.90, 1.99] |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **[Older]** | Superior Occipital Gyrus [Lingual Gyrus] [Superior Parietal Gyrus] | LR | 18 7 | 4013 | -21-1227 | -94-82-58 | 17-759 | 7.907.567.40 | 4.46 [3.35, 5.56]3.04 [2.25, 3.83]3.40 [2.50, 4.30] |
|  | Superior Frontal Gyrus [Precentral Gyrus] [Superior Frontal Gyrus] | R |  6 |  261 | 243921 | -7-13-4 | 535674 | 7.386.265.40 | 1.48 [1.08, 1.87]1.35 [0.93, 1.77]1.82 [1.16, 2.49] |
|  |  |  |  |  |  |  |  |  |  |
|  | Precentral Gyrus | L |  - |  855 | -39 | -13 | 56 | 7.30 | 1.84 [1.35, 2.33] |
|  |  [Supplementary Motor Gyrus] [Precentral Gyrus] | RL |  6 |  | 6-54 | -45 | 5635 | 6.106.00 | 1.17 [0.80, 1.55]1.46 [0.98, 1.94] |
|  |  |  |  |  |  |  |  |  |  |
|  | Cerebellum | L |  - |  40 | -15 | -52 | -46 | 6.70 | 0.95 [0.67, 1.23] |
|  | Fusiform Gyrus | R | 36 |  81 | 33 | -37 | -13 | 5.34 | 0.68 [0.43, 0.93] |
|  |  [Cerebellum]  |  |  |  | 2115 | -46-49 | -19-13 | 4.924.79 | 0.73 [0.44, 1.02]0.79 [0.47, 1.11] |
|  |  |  |  |  |  |  |  |  |  |
|  | Precentral Gyrus | R | 44 |  42 | 54 | 14 | 32 | 5.11 | 1.81 [1.12, 2.50] |
|  |  [Inferior Frontal Gyrus] |  |  |  | 57 | 8 | 23 | 5.00 | 1.34 [0.82, 1.87] |
|  |  |  |  |  |  |  |  |  |  |
|  | Middle Frontal Gyrus | L |  9 |  39 | -42-48-42 | 383544 | 352923 | 5.024.874.28 | 1.33 [0.81, 1.86]1.41 [0.84, 1.98]1.48 [0.80, 2.16] |
|  |  |  |  |  |  |  |  |  |  |
|  | Cerebellum  | R |  - |  35 | 363330 | -43-43-49 | -28-37-43 | 5.004.604.32 | 1.11 [0.68, 1.55]1.10 [0.63, 1.57]0.57 [0.31, 0.83] |
|  |  |  |  |  |  |  |  |  |  |
|  | Middle Frontal Gyrus | R | 10 |  52 | 33 | 47 | 20 | 4.91 | 1.05 [0.63, 1.47] |
|  |  [Superior Frontal Gyrus] [Middle Frontal Gyrus] |  |  |  | 3330 | 5341 | 2932 | 4.564.41 | 1.73 [0.98, 2.47]1.23 [0.68, 1.77] |
|  |  |  |  |  |  |  |  |  |  |
|  | Cerebellum | R |  - |  18 | 12 | -64 | -40 | 4.65 | 0.74 [0.43, 1.05] |
|  |  |  |  |  |  |  |  |  |  |

**Table S2**. Cerebral regions whose activity for the contrast [Landmark > Fixation] was elicited by within-group analyses (total intracranial volume was included as a covariate). The statistical threshold for cluster was defined as p < 0.05 FWE-corrected for multiple comparisons with an extent voxel threshold set at 10 voxels. For each cluster, the region with the maximum t-value is listed first and other regions in the cluster are listed underneath [in square brackets]. Montreal Neurological Institute (MNI) coordinates (x, y, z) of the peak and number of voxels (k) of clusters are also shown. H = hemisphere; R = right hemisphere; L = left hemisphere; BA = Brodmann area; FWE = family-wise error; ES = effect size; CI = confidence interval.