Supplemental Table 1: Medial-lateral clusters surviving replication threshold with a cluster extent $k > 9$ (Figure 2 bottom-most row; left)

| Region Name (AAL)          | MNI (X) | MNI (Y) | MNI (Z) | Cluster Size (voxels) |
|---------------------------|---------|---------|---------|-----------------------|
| **Medial preferred**      |         |         |         |                       |
| Frontal_Sup_Medial_L      | 1       | 50      | 41      | 1496                  |
| Temporal_Mid_L            | -59     | -26     | -11     | 666                   |
| Angular_L                 | -42     | -63     | 35      | 556                   |
| Angular_R                 | 51      | -60     | 33      | 499                   |
| Rectus_L                  | 1       | 45      | -19     | 470                   |
| Cerebellum_Crus2_L        | -26     | -80     | -35     | 469                   |
| Cerebellum_Crus1_R        | 29      | -79     | -35     | 300                   |
| Frontal_Mid_2_R           | 40      | 20      | 43      | 284                   |
| Temporal_Inf_R            | 57      | -6      | -28     | 193                   |
| Temporal_Mid_R            | 66      | -30     | -6      | 187                   |
| Frontal_Mid_2_L           | -35     | 16      | 37      | 74                    |
| Cerebellum_9_L            | 0       | -54     | -47     | 58                    |
| Frontal_Mid_2_R           | 39      | 56      | -12     | 29                    |
| Frontal_Mid_2_L           | -38     | 55      | -6      | 25                    |
| Temporal_Pole_Mid_L       | -46     | 15      | -33     | 15                    |
| **Lateral preferred**     |         |         |         |                       |
| Frontal_Sup_2_R           | 6       | 1       | 63      | 828                   |
| Frontal_Mid_2_L           | -36     | 44      | 26      | 355                   |
| Frontal_Mid_2_R           | 36      | 46      | 28      | 193                   |
| Precuneus_L               | -1      | -62     | 63      | 136                   |
| Cingulate_Mid_R           | 15      | -38     | 45      | 93                    |
| Insula_L                  | -44     | 10      | 1       | 86                    |
| Frontal_Inf_Oper_R        | 46      | 12      | 2       | 30                    |
| Cerebellum_6_L            | -34     | -54     | -30     | 22                    |
| Cerebellum_Crus1_R        | 45      | -51     | -33     | 19                    |
| Putamen_R                 | 24      | 12      | 2       | 17                    |
| Vermis_8                  | 0       | -66     | -33     | 10                    |
| Cerebellum_8_L            | -33     | -48     | -49     | 9                     |
| Precuneus_L               | -11     | -66     | 52      | 9                     |
Supplemental Table 2: Anterior-posterior clusters surviving replication threshold with a cluster extent $k > 9$ (Figure 2 bottom-most row; middle)

| Region Name (AAL)    | MNI (X) | MNI (Y) | MNI (Z) | Cluster Size |
|----------------------|---------|---------|---------|--------------|
| **Anterior preferred** |         |         |         |              |
| Postcentral_L        | 0       | -26     | 59      | 2979         |
| ACC_sub_L            | 0       | 36      | 0       | 1419         |
| Cuneus_L             | 2       | -77     | 32      | 879          |
| Temporal_Mid_R       | 46      | -72     | -1      | 208          |
| Occipital_Mid_L      | -41     | -76     | -1      | 165          |
| Lingual_R            | 13      | -57     | -3      | 126          |
| Lingual_L            | -11     | -60     | -3      | 91           |
| Rolandic_Oper_R      | 42      | -12     | 17      | 47           |
| Cingulate_Post_R     | 6       | -42     | 21      | 23           |
| Temporal_Sup_R       | 62      | -11     | 7       | 16           |
| Rolandic_Oper_L      | -62     | -9      | 9       | 12           |
| **Posterior preferred** |         |         |         |              |
| White Matter         | -22     | -23     | 20      | 258          |
| White Matter         | 27      | -16     | 21      | 255          |
| Frontal_Mid_2_L      | -37     | 5       | 56      | 153          |
| Frontal_Mid_2_R      | 45      | 6       | 50      | 107          |
| Supp_Motor_Area_L    | 0       | 18      | 54      | 89           |
| Frontal_Inf_Oper_L   | -52     | 13      | 17      | 86           |
| Vermis_7             | 2       | -80     | -20     | 70           |
| Parietal_Inf_L       | -55     | -45     | 45      | 55           |
| Cerebellum_6_L       | -30     | -69     | -25     | 49           |
| Frontal_Inf_Tri_R    | 54      | 34      | 0.5     | 49           |
| Cerebellum_6_R       | 31      | -69     | -27     | 37           |
| Temporal_Mid_L       | -60     | -55     | -3      | 22           |
| White Matter         | 0       | -30     | 9       | 16           |
| Frontal_Inf_Oper_R   | 55      | 18      | 16      | 16           |
| White Matter         | -25     | 6       | 20      | 14           |
| SupraMarginal_R      | 63      | -43     | 39      | 13           |
| Frontal_Sup_2_R      | 35      | 4.5     | 64      | 9            |
**Supplemental Table 3: Dorsal-ventral clusters surviving replication threshold with a cluster extent \( k > 9 \) (Figure 2 bottom-most row; right)**

| Region Name (AAL)       | MNI (X) | MNI (Y) | MNI (Z) | Cluster size |
|-------------------------|---------|---------|---------|--------------|
| **Dorsal preferred**    |         |         |         |              |
| Frontal_Sup_2_L         | -15     | 20      | 60      | 317          |
| White Matter            | 22      | 28      | 15      | 196          |
| Frontal_Sup_2_R         | 25      | 27      | 52      | 188          |
| Frontal_Sup_2_L         | -18     | 53      | 30      | 104          |
| Ventricle               | -30     | -46     | 9       | 90           |
| Ventricle               | 33      | -47     | 9       | 81           |
| Frontal_Mid_2_L         | -34     | 26      | 42      | 48           |
| White Matter            | -15     | 18      | 16      | 31           |
| Frontal_Sup_2_R         | 18      | 58      | 27      | 28           |
| Angular_L               | -50     | -57     | 35      | 27           |
| Cerebellum_Crus2_R      | 44      | -52     | -48     | 26           |
| Ventricle               | 1       | 1       | 21      | 26           |
| Cerebellum_Crus1_R      | 50      | -61     | -31     | 19           |
| **Ventral preferred**   |         |         |         |              |
| Cerebellum_7b_L         | -28     | -70     | -48     | 10           |
| Cerebellum_8_R          | 10      | -74     | -40     | 32           |
| Cerebellum_Crus2_L      | -6      | -77     | -37     | 21           |
| Temporal_Pole_Mid_R     | 27      | 7       | -37     | 21           |
| Fusiform_L              | -30     | -32     | -25     | 30           |
| Pallidum_R              | 15      | 1       | -5      | 4157         |
| Temporal_Inf_L          | -48     | -56     | -14     | 694          |
| Temporal_Inf_R          | 52      | -51     | -15     | 451          |
| Occipital_Mid_L         | -27     | -95     | -5      | 317          |
| Rolandic_Oper_R         | 61      | 5       | 3       | 42           |
| Temporal_Sup_L          | -59     | -26     | 18      | 473          |
| Occipital_Mid_L         | -48     | -77     | 17      | 49           |
| Insula_L                | -36     | -3      | 12      | 13           |
| Occipital_Mid_L         | -32     | -89     | 26      | 12           |
| Parietal_Inf_L          | -30     | -56     | 44      | 551          |
| Cingulate_Mid_L         | 0       | 1       | 33      | 274          |
| Precentral_L            | -45     | 0       | 36      | 19           |
| Parietal_Inf_R          | 33      | -54     | 44      | 578          |
| Frontal_Sup_Medial_R    | 5       | 24      | 42      | 14           |