Supplementary Table 2

**Anatomical Descriptions for the Top 10% of Component 2 Loadings**

| Brain Regions (Harvard-Oxford Atlas) | Cluster Volume (mm³) | Brodmann's Area for Peak Location | MNI Coordinates for Peak Locations | Component Loading |
|--------------------------------------|----------------------|-----------------------------------|-----------------------------------|------------------|
| positive loadings                    |                      |                                   |                                   |                  |
| cluster 1: right hemisphere           |                      |                                   |                                   |                  |
| temporal pole                        |                      | 38 57 14 -7 0.2149               |                                   |                  |
| frontal pole                         |                      | 46 42 47 2 0.1894                |                                   |                  |
| central opercular cortex             |                      | 22 63 -19 17 0.1745             |                                   |                  |
| frontal pole                         |                      | 45 39 47 17 0.1445              |                                   |                  |
| supramarginal gyrus, anterior division|                      | 2 57 -28 44 0.14               |                                   |                  |
| heschl’s gurs (includes H1 and H2)   |                      | 48 57 -10 5 0.1398             |                                   |                  |
| supramarginal gyrus, anterior division|                      | 40 54 -34 47 0.1365           |                                   |                  |
| middle frontal gyrus                 |                      | n/a 48 8 44 0.1359             |                                   |                  |
| supramarginal gyrus, posterior division|                    | 40 51 -40 44 0.135             |                                   |                  |
| inferior frontal gyrus, pars opercularis|                   | 44 54 17 29 0.1333             |                                   |                  |
| middle frontal gyrus                 |                      | 6 45 5 47 0.1323              |                                   |                  |
| putamen                              |                      | 48 33 -13 -4 0.1314            |                                   |                  |
| middle frontal gyrus                 |                      | 45 51 32 20 0.1281            |                                   |                  |
| insular cortex (posterior)           |                      | 48 36 -13 11 0.1265           |                                   |                  |
| inferior frontal gyrus, pars opercularis|                   | 48 54 20 17 0.1253            |                                   |                  |
| insular cortex (posterior)           |                      | 48 39 -10 -10 0.1179         |                                   |                  |
| putamen                              |                      | 34 30 -1 -7 0.1082            |                                   |                  |
| pallidum                             |                      | n/a 27 -4 -1 0.106            |                                   |                  |
| lateral occipital cortex, superior division |            | 7 36 -64 44 0.099          |                                   |                  |
| insular cortex (anterior)            |                      | 48 33 5 5 0.0989             |                                   |                  |
| insular cortex (anterior)            |                      | 47 33 26 -1 0.0955           |                                   |                  |
| cluster 2: bilateral                 |                      | 45765                           |                                   |                  |
| cerebellum (crus 1)                  |                      | n/a -30 -64 -31 0.1668        |                                   |                  |
| intracalcarine cortex                |                      | 17 0 -76 8 0.154            |                                   |                  |
| cerebellum (crus 1)                  |                      | n/a -12 -73 -31 0.1345        |                                   |                  |
| precuneous cortex                    |                      | 7 -9 -70 38 0.1262           |                                   |                  |
| cerebellum (lobule VI)               |                      | 37 -27 -43 -31 0.1239        |                                   |                  |
| n/a                                  |                      | n/a -21 -40 -31 0.1222        |                                   |                  |
| cuneal cortex                        |                      | 18 3 -79 29 0.1199           |                                   |                  |
| lingual gyrus                        |                      | 18 -12 -58 -16 0.1151        |                                   |                  |
| cerebellum (lobule IV)               |                      | 18 -9 -55 -13 0.1145         |                                   |                  |
| lingual gyrus                        |                      | 18 9 -70 35 0.1108           |                                   |                  |
| n/a                                  |                      | n/a 0 -49 -22 0.1097         |                                   |                  |
| precuneous cortex                    |                      | 7 12 -70 41 0.1088           |                                   |                  |
| intracalcarine cortex                |                      | 18 12 -67 32 0.108            |                                   |                  |
| cerebellum (lobule VIII)             |                      | n/a -24 -61 -40 0.1076        |                                   |                  |
| n/a                                  |                      | 27 6 -34 -34 0.1024           |                                   |                  |
| lingual gyrus                        |                      | 18 -15 -55 -28 0.1016        |                                   |                  |
| cerebellum (lobule VIII)             |                      | n/a -21 -67 -40 0.1015        |                                   |                  |
| n/a                                  |                      | n/a -12 -58 -34 0.1015        |                                   |                  |
| vermis                                |                      | n/a 0 -55 -34 0.0972         |                                   |                  |
| cluster 3: left hemisphere            |                      | 39636                           |                                   |                  |
| temporal pole                        |                      | n/a -48 14 -10 0.17           |                                   |                  |
| inferior frontal gyrus, pars opercularis|                   | 48 -57 11 -1 0.1514        |                                   |                  |
| central opercular cortex             |                      | 48 -57 2 2 0.151             |                                   |                  |
| Brain Region                                      | Coordinates | T-Value |
|--------------------------------------------------|-------------|---------|
| parietal operculum cortex                        | 42 -57 -31 20 | 0.1378  |
| insular cortex (anterior)                        | 48 -36 -14 -2 | 0.1315  |
| supramarginal gyrus, anterior division           | 40 -57 -37 38 | 0.1253  |
| middle temporal gyrus, temporoparietal part      | 21 -45 -46 47 | 0.1236  |
| frontal orbital cortex                           | 47 -33 26 -7 | 0.1234  |
| n/a                                              | 37 -39 49 -44 | 0.1217  |
| insular cortex (posterior)                       | 48 -39 -10 -10 | 0.1211  |
| angular gyrus                                    | 7 -33 -58 38 | 0.1209  |
| supramarginal gyrus, posterior division          | 40 -36 -46 41 | 0.1192  |
| inferior frontal gyr                     | 44 -45 11 29 | 0.109   |
| insular cortex (posterior)                       | 48 -33 -19 2 | 0.1056  |
| cluster 4: bilateral                             | 29781       |
| paracingulate gyrus                              | n/a 0 26 38 | 0.1846  |
| superior frontal gyr                              | 6 3 14 59 | 0.1686  |
| superior frontal gyr                              | 6 -15 11 59 | 0.0956  |
| cluster 5: left hemisphere                       | 13608       |
| frontal pole                                     | 47 -39 44 -1 | 0.1578  |
| frontal pole                                     | 10 -30 53 8 | 0.1357  |
| cluster 6: bilateral                             | 13122       |
| n/a                                              | n/a 12 2 8 | 0.149   |
| n/a                                              | n/a -12 5 8 | 0.1426  |
| thalamus                                         | n/a 12 -10 5 | 0.13   |
| n/a                                              | n/a -6 -19 -7 | 0.1  |
| n/a                                              | n/a -9 -16 -4 | 0.0977  |
| n/a                                              | n/a 9 -16 -7 | 0.0973  |
| cluster 7: right hemisphere                      | 3726        |
| cerebellum (lobule VI)                           | n/a 30 -58 -31 | 0.1465  |
| cluster 8: left hemisphere                       | 2052        |
| cingulate gyrus, posterior division              | n/a -3 -28 23 | 0.1355  |
| cluster 9: left hemisphere                       | 1053        |
| middle frontal gyr                               | 8 -27 11 53 | 0.1066  |
| middle frontal gyr                               | 6 -33 2 44 | 0.1016  |
| cluster 10: right hemisphere                     | 783         |
| postcentral gyr                                  | 3 24 -37 65 | 0.1116  |
| cluster 11: right hemisphere                     | 297         |
| n/a                                              | n/a 12 -58 -34 | 0.1045  |
| cluster 12: left hemisphere                      | 297         |
| precentral gyr                                   | 48 -39 -13 32 | 0.1028  |
| cluster 13: left hemisphere                      | 135         |
| insular cortex (posterior)                       | 48 -36 -16 14 | 0.1034  |
| cluster 14: right hemisphere                     | 135         |
| precentral gyr                                   | 6 21 -25 56 | 0.0978  |
| cluster 15: left hemisphere                      | 108         |
| frontal orbital gyr                              | 48 -24 8 -10 | 0.0987  |
| cluster 16: right hemisphere                     | 54          |
| n/a                                              | n/a 9 -73 -31 | 0.0936  |
| cluster 17: right hemisphere                     | 54          |
| n/a                                              | n/a 12 -37 -31 | 0.0942  |
| cluster 18: right hemisphere                     | 54          |
| insular cortex (anterior)                        | 47 33 20 2 | 0.0972  |
| cluster 19: right hemisphere                     | 54          |
| precenial gyr                                    | n/a 39 -10 35 | 0.0986  |

Note. Negative loadings: no negative loadings passed threshold.