Supplementary Table 1. Showing primary regions of the chosen networks

| Networks and regions | Brodmann Area | Volume (cc) | *t*max | Montreal Neurological Institute (x, y, z) |
| --- | --- | --- | --- | --- |
| **Right Executive Control Network (rECN)** | | | | |
| Inferior Parietal Lobule | 7, 39, 40 | 10.2/21.1 | 17.3/134.2 | (−45, −57, 45)/(48, −57, 45) |
| Declive | \* | 17.2/11.2 | 104.2/23.0 | (−18, −81, −30)/(3, −78, −30) |
| Supramarginal Gyrus | 40 | 1.6/7.7 | 9.7/100.4 | (−48, −57, 36)/(51, −57, 36) |
| Uvula | \* | 5.7/4.5 | 98.1/17.3 | (−15, −81, −33)/(12, −84, −33) |
| Superior Parietal Lobule | 7 | 1.7/4.2 | 13.8/97.5 | (−39, −63, 51)/(39, −60, 51) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46, 47 | 20.4/50.2 | 17.1/96.3 | (−39, 27, 42)/(45, 27, 36) |
| Precentral Gyrus | 3, 6, 9, 13, 43, 44 | 9.2/10.8 | 16.7/96.1 | (−42, 24, 39)/(45, 24, 39) |
| Tuber | \* | 4.4/3.8 | 90.0)/10.8 | (−33, −75, −39)/(15, −87, −39) |
| Superior Frontal Gyrus | 6, 8, 9, 10, 11 | 9.8/38.3 | 20.6/89.2 | (−3, 30, 48)/(36, 18, 54) |
| Pyramis | \* | 6.7/5.6 | 86.0/27.0 | (−12, −78, −33)/(3, −81, −33) |
| Cerebellar Tonsil | \* | 6.9/0.8 | 77.3/5.8 | (−33, −66, −42)/(39, −63, −42) |
| Culmen | \* | 9.2/5.2 | 73.4/9.3 | (−27, −63, −33)/(27, −63, −33) |
| Postcentral Gyrus | 2, 3, 5, 40, 43 | 5.2/5.2 | 8.0/64.0 | (−54, −21, 15)/(57, −39, 54) |
| Inferior Frontal Gyrus | 9, 10, 11, 13, 44, 45, 46, 47 | 0.9/19.1 | 7.8/63.9 | (−39, 48, 3)/(42, 54, 3) |
| Caudate | \* | 2.0/4.7 | 11.7/61.9 | (−12, −3, 15)/(12, 0, 15) |
| Extra-Nuclear | 13, 47 | 3.7/11.4 | 9.8/58.1 | (−9, −3, 12)/(12, 3, 12) |
| Fusiform Gyrus | 18, 19, 20, 37 | 3.1/0.3 | 53.2/5.1 | (−21, −81, −21)/(21, −81, −21) |
| Precuneus | 7, 19, 31, 39 | 1.9/16.0 | 11.1/52.4 | (−39, −72, 42)/(39, −72, 39) |
| Medial Frontal Gyrus | 6, 8, 9, 10, 32 | 3.6/20.0 | 22.7/46.0 | (−3, 33, 45)/(3, 33, 45) |
| Thalamus | \* | 0.6/3.1 | 7.0/44.9 | (−12, −12, 18)/(9, −6, 12) |
| Superior Temporal Gyrus | 13, 21, 22, 38, 39, 41, 42 | 5.4/3.5 | 9.9/31.2 | (−57, −9, 3)/(51, −60, 27) |
| Cingulate Gyrus | 23, 24, 31, 32 | 1.2/10.9 | 8.1/24.7 | (0, −33, 39)/(6, 36, 33) |
| Middle Temporal Gyrus | 20, 21, 22, 37, 39 | 0.4/11.0 | 4.7/17.6 | (−45, −78, 9)/(66, −27, −12) |
| Anterior Cingulate | 10, 24, 32, 33 | 0.2/7.4 | 5.6)/16.7 | (0, 39, 24)/(6, 39, 24) |
| Middle Occipital Gyrus | 18, 19 | 6.9/6.7 | 10.2/9.8 | (−30, −93, 6)/(33, −90, −3) |
| Cuneus | 7, 17, 18, 19, 23, 30 | 8.4/4.4 | 6.7/7.5 | (−9, −96, 21)/(3, −78, 9) |
| **Left Executive Control Network (lECN)** | | | | |
| Inferior Parietal Lobule | 7, 39, 40 | 12.7/3.0 | 137.8/17.2 | (−48, −66, 39)/(45, −63, 42) |
| Angular Gyrus | 39 | 3.2/0.5 | 124.4/15.1 | (−48, −63, 36)/(45, −63, 36) |
| Superior Parietal Lobule | 7 | 4.0/0.1 | 122.9/11.8 | (−39, −60, 51)/(42, −63, 51) |
| Precuneus | 7, 19, 31, 39 | 6.9 | 117.4 | (−39, −72, 42) |
| Supramarginal Gyrus | 40 | 5.8/0.3 | 108.2/12.1 | (−48, −57, 36)/(51, −60, 33) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46, 47 | 33.5/4.1 | 89.7/17.0 | (−33, 21, 48)/(36, 24, 51) |
| Superior Frontal Gyrus | 6, 8, 9, 10, 11 | 22.1/4.0 | 86.2/19.6 | (−24, 21, 54)/(3, 30, 48) |
| Inferior Frontal Gyrus | 9, 10, 45, 46, 47 | 6 | 70.1 | (−42, 48, 3) |
| Pyramis | \* | 3.5 | 65.3 | (39, −72, −45) |
| Middle Temporal Gyrus | 21, 22, 37, 39 | 11.5 | 64.1 | (−57, −42, −9) |
| Tuber | \* | 4.4 | 58.8 | (39, −72, −39) |
| Medial Frontal Gyrus | 6, 8, 9, 10 | 7.2/0.5 | 57.2/20.4 | (−6, 33, 42)/(3, 33, 45) |
| Declive | \* | 3.3 | 32.7 | (36, −66, −30) |
| Cingulate Gyrus | 9, 24, 31, 32 | 3.8 | 24.3 | (−3, 24, 42) |
| **dorsal Default Mode Network (dDMN)** | | | | |
| Precuneus | 7, 19, 23, 31, 39 | 16.5/13.4 | 128.1/141.4 | (0, −51, 30)/(3, −54, 30) |
| Cingulate Gyrus | 9, 23, 24, 31, 32 | 16.0/16.4 | 136.2/137.3 | (0, −54, 27)/(3, −51, 27) |
| Anterior Cingulate | 9, 10, 24, 25, 32, 33 | 10.9/12.3 | 134.8/129.2 | (−3, 42, 0)/(3, 45, −3) |
| Posterior Cingulate | 23, 29, 30, 31 | 6.6/6.5 | 126.5/123.4 | (−3, −54, 24)/(3, −54, 24) |
| Medial Frontal Gyrus | 6, 8, 9, 10, 11, 32 | 13.2/16.0 | 123.1/123.5 | (−6, 48, 6)/(3, 51, 3) |
| Superior Frontal Gyrus | 6, 8, 9, 10 | 25.3/25.3 | 107.7/95.5 | (−3, 54, 27)/(3, 57, 30) |
| Parahippocampal Gyrus | 19, 27, 28, 30, 34, 35, 36, 37 | 14.0/12.5 | 80.2/57.1 | (−27, −30, −15)/(27, −24, −18) |
| Thalamus | \* | 6.2/5.7 | 67.8/73.5 | (−3, −6, 6)/(3, −12, 6) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46, 47 | 16.1/15.2 | 61.3/42.2 | (−21, 57, 24)/(24, 36, 45) |
| Cuneus | 7, 17, 18, 19, 23, 30 | 4.0/6.3 | 58.4/47.1 | (0, −69, 30)/(6, −69, 30) |
| Angular Gyrus | 39 | 3.0/2.7 | 47.1)/38.0 | (−48, −66, 33)/(51, −63, 33) |
| Inferior Parietal Lobule | 7, 39, 40 | 13.6/14.3 | 43.0/32.5 | (−45, −69, 39)/(51, −63, 39) |
| Culmen | \* | 8.5/5.9 | 42.4/18.1 | (−21, −30, −21)/(18, −27, −18) |
| Supramarginal Gyrus | 40 | 5.6/5.6 | 32.5/30.7 | (−48, −60, 33)/(54, −60, 33) |
| Middle Temporal Gyrus | 19, 21, 22, 37, 39 | 10.1/12.4 | 27.7/20.0 | (−48, −66, 27)/(54, −66, 27) |
| Superior Temporal Gyrus | 13, 21, 22, 38, 39, 41, 42 | 13.5/10.7 | 24.1/26.1 | (−48, −60, 27)/(51, −63, 27) |
| Inferior Frontal Gyrus | 6, 9, 11, 13, 44, 45, 46, 47 | 20.8/14.7 | 20.9/17.7 | (−30, 15, −21)/(30, 15, −21) |
| Caudate | \* | 3.0/3.3 | 20.2/11.2 | (−6, 3, 0)/(9, 15, −6) |
| Postcentral Gyrus | 1, 2, 3, 5, 7, 40, 43 | 10.4/12.3 | 14.0/11.5 | (−54, −30, 39)/(57, −24, 42) |
| Middle Occipital Gyrus | 18, 19, 37 | 6.3/10.3 | 10.2/12.8 | (−30, −93, 0)/(33, −87, −3) |
| Declive | \* | 5.4/4.5 | 10.0/12.5 | (−24, −84, −30)/(30, −84, −30) |
| Precentral Gyrus | 4, 6, 9, 13, 43, 44 | 12.1/15.9 | 10.9/12.1 | (−33, −21, 66)/(45, −15, 54) |
| Superior Parietal Lobule | 7 | 2.6/4.4 | 11.4/10.1 | (−36, −72, 45)/(42, −66, 51) |
| **ventral Default Frontal Network (vDMN)** | | | | |
| Precuneus | 7, 19, 23, 31, 39 | 28.2/25.9 | 144.8/146.9 | (0, −57, 54)/(3, −57, 57) |
| Paracentral Lobule | 4, 5, 6, 7, 31 | 5.2/5.4 | 112.3/108.0 | (−6, −48, 57)/(3, −45, 51) |
| Superior Parietal Lobule | 5, 7 | 4.9/4.6 | 105.7/80.8 | (−9, −66, 54)/(12, −66, 57) |
| Posterior Cingulate | 23, 29, 30, 31 | 6.6/6.3 | 94.1/99.9 | (−9, −54, 9)/(12, −51, 9) |
| Extra-Nuclear | \* | 6.0/7.8 | 67.5/94.1 | (−15, −54, 15)/(15, −57, 18) |
| Middle Temporal Gyrus | 19, 21, 22, 37, 39 | 11.6/14.2 | 69.1/91.5 | (−42, −78, 27)/(45, −75, 27) |
| Sub-Gyral | 6, 7, 9, 40 | 26.7/24.1 | 85.3/91.0 | (−15, −60, 18)/(18, −57, 21) |
| Postcentral Gyrus | 1, 2, 3, 5, 7, 40, 43 | 9.2/8.7 | 87.7/76.8 | (−6, −57, 66)/(9, −54, 66) |
| Inferior Parietal Lobule | 7, 39, 40 | 6.8/9.8 | 27.0/77.4 | (−42, −72, 39)/(45, −72, 39) |
| Parahippocampal Gyrus | 19, 27, 28, 30, 35, 36, 37 | 8.2/9.5 | 67.7/73.3 | (−12, −51, 3)/(12, −51, 3) |
| Superior Frontal Gyrus | 6, 8, 9, 10 | 19.5/21.5 | 70.5/55.6 | (−24, 15, 57)/(24, 27, 48) |
| Cingulate Gyrus | 24, 31, 32 | 10.4/11.5 | 56.0/67.9 | (−3, −48, 42)/(6, −51, 42) |
| Cuneus | 7, 17, 18, 19, 30 | 4.4/2.2 | 66.6/24.1 | (−30, −84, 30)/(30, −84, 30) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46 | 28.3/20.7 | 65.6/63.7 | (−24, 12, 60)/(27, 27, 45) |
| Lingual Gyrus | 18, 19 | 4.0/3.1 | 55.0/57.1 | (−15, −54, 3)/(15, −54, 3) |
| Superior Temporal Gyrus | 13, 21, 22, 39, 41, 42 | 11.8/11.8 | 11.4/52.7 | (−45, −57, 21)/(51, −63, 27) |
| Culmen | \* | 8.6/6.4 | 48.6/52.7 | (−27, −39, −21)/(9, −45, 0) |
| Medial Frontal Gyrus | 6, 8, 9, 10, 32 | 4.5/9.9 | 43.9/37.4 | (−18, 9, 51)/(21, 9, 51) |
| Supramarginal Gyrus | 40 | 3.5/6.4 | 10.6/35.7 | (−51, −51, 21)/(54, −63, 30) |
| Middle Occipital Gyrus | 18, 19, 37 | 3.5/4.7 | 23.2/16.9 | (−36, −87, 18)/(39, −75, 15) |
| Precentral Gyrus | 4, 6, 9, 13, 43 | 11.7/11.6 | 10.7/16.2 | (−39, −21, 60)/(33, 21, 39) |
| Thalamus | \* | 3.9/3.8 | 7.3/7.8 | (−6, −12, 0)/(9, −3, 9) |
| **anterior Salience Network (aSN)** | | | | |
| Superior Frontal Gyrus | 6, 8, 9, 10 | 30.3/32.6 | 134.1/128.3 | (0, 9, 54)/(3, 6, 60) |
| Cingulate Gyrus | 23, 24, 31, 32 | 14.6/14.1 | 133.5/128.8 | (0, 24, 36)/(3, 24, 33) |
| Medial Frontal Gyrus | 6, 8, 9, 10, 32 | 16.4/18.3 | 115.8/120.6 | (−3, 9, 51)/(3, 9, 51) |
| Anterior Cingulate | 9, 10, 24, 32, 33 | 8.4/9.5 | 107.6)/113.3 | (−3, 30, 27)/(3, 30, 27) |
| Insula | 13, 45, 47 | 7.6/7.2 | 90.0/95.1 | (−39, 12, −3)/(39, 15, −3) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46 | 40.9/37.1 | 88.7/85.2 | (−30, 45, 24)/(30, 45, 27) |
| Inferior Frontal Gyrus | 6, 9, 10, 13, 44, 45, 46, 47 | 20.9/18.2 | 82.4/86.1 | (−42, 15, −3)/(42, 15, −6) |
| Superior Temporal Gyrus | 13, 22, 38, 39, 41, 42 | 11.5/10.6 | 75.9/73.1 | (−45, 12, −9)/(45, 12, −6) |
| Extra-Nuclear | 13, 47 | 10.8/10.6 | 73.6/73.8 | (−39, 12, −9)/(39, 15, −9) |
| Culmen | \* | 9.9/4.9 | 49.6)/16.5 | (−33, −54, −33)/(39, −57, −33) |
| Precentral Gyrus | 6, 9, 43, 44 | 14.5/16.2 | 30.4/38.6 | (−42, 15, 9)/(45, 15, 9) |
| Declive | \* | 9.9/5.0 | 37.7/14.3 | (−36, −60, −30)/(39, −60, −30) |
| Supramarginal Gyrus | 40 | 4.3/2.2 | 14.7)/12.6 | (−60, −45, 33)/(60, −42, 33) |
| Inferior Parietal Lobule | 40 | 13.6/15.1 | 12.7/12.4 | (−60, −42, 30)/(60, −39, 36) |
| Thalamus | \* | 4.2/3.5 | 12.3/12.0 | (−12, −15, 9)/(12, −12, 9) |
| Precuneus | 7, 18, 19, 31, 39 | 13.8/12.9 | 11.9/10.4 | (−6, −75, 39)/(12, −69, 39) |
| Postcentral Gyrus | 1, 2, 3, 5, 7, 40 | 6.3/9.5 | 8.8/10.6 | (−42, −24, 57)/(42, −27, 60) |
| Middle Occipital Gyrus | 18, 19 | 5.1/8.2 | 7.3/9.6 | (−27, −93, 3)/(30, −93, 9) |
| Cuneus | 7, 17, 18, 19, 23, 30 | 6.5/6.3 | 8.9/9.1 | (−9, −72, 12)/(12, −72, 15) |
| Middle Temporal Gyrus | 19, 21, 22, 39 | 2.3/3.6 | 6.6/9.0 | (−51, −39, 0)/(48, −36, 0) |
| **posterior Salience Network (pSN)** | | | | |
| Inferior Parietal Lobule | 7, 39, 40 | 19.6/18.8 | 128.8/108.3 | (−57, −45, 42)/(63, −27, 27) |
| Postcentral Gyrus | 1, 2, 3, 5, 7, 40, 43 | 14.7/19.8 | 97.6/96.9 | (−57, −27, 36)/(63, −33, 42) |
| Supramarginal Gyrus | 40 | 6.4/6.8 | 96.8/87.9 | (−57, −45, 36)/(57, −39, 36) |
| Sub-Gyral | 7, 13, 21, 40 | 13.6/12.9 | 57.0/68.4 | (−39, −15, −9)/(39, −6, −9) |
| Insula | 13, 22, 47 | 11.5/12.7 | 62.1/64.9 | (−39, −15, −3)/(42, −6, −6) |
| Extra-Nuclear | 13, 47 | 10.6/9.5 | 63.5/53.9 | (−36, −15, −6)/(39, 0, −9) |
| Thalamus | \* | 8.8/7.9 | 61.5/38.9 | (−12, −21, 6)/(12, −15, 9) |
| Superior Temporal Gyrus | 13, 22, 38, 39, 41, 42 | 8.3/10.0 | 61.0/51.8 | (−60, −33, 21)/(63, −33, 21) |
| Precuneus | 7, 19, 31 | 14.8/12.4 | 56.2/35.4 | (−6, −51, 60)/(9, −54, 63) |
| Precentral Gyrus | 3, 4, 6, 9, 44 | 6.5/7.8 | 30.5/54.4 | (−54, −21, 39)/(60, −21, 45) |
| Paracentral Lobule | 4, 5, 6, 31 | 4.9/4.5 | 47.7/38.2 | (−6, −48, 63)/(9, −24, 45) |
| Middle Frontal Gyrus | 6, 8, 9, 10, 11, 46, 47 | 15.0/11.2 | 41.6/11.0 | (−39, 36, 33)/(36, 36, 39) |
| Cingulate Gyrus | 23, 24, 31, 32 | 10.8/13.8 | 18.7/36.8 | (−12, −30, 42)/(12, −24, 42) |
| Superior Frontal Gyrus | 6, 8, 9, 10 | 9.0/7.9 | 36.4/11.8 | (−36, 36, 36)/(18, −6, 72) |
| Medial Frontal Gyrus | 6, 8, 9, 10, 32 | 7.7/4.1 | 10.2/21.7 | (−9, 48, 21)/(9, −24, 51) |
| Inferior Frontal Gyrus | 6, 9, 13, 44, 45, 46, 47 | 5.1/9.1 | 13.5/12.7 | (−51, 6, 18)/(54, 12, 12) |
| Middle Temporal Gyrus | 19, 21, 22, 37, 39 | 5.6/4.7 | 12.5/11.5 | (−57, −60, 3)/(57, −57, 0) |
| Anterior Cingulate | 10, 24, 32, 33 | 5.7/4.2 | 9.7/10.7 | (−3, 15, 27)/(3, 21, 27) |
| Culmen | \* | 6.0/3.4 | 9.5/7.2 | (−27, −42, −30)/(9, −51, −12) |
| Cuneus | 7, 17, 18, 19, 23, 30 | 4.9/5.4 | 6.6/6.1 | (−6, −72, 6)/(12, −93, 27) |