**Supplementary File 1. FC of voxels showing significant correlation with BDT scores across subjects in whole brain.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| FC number | Connected regions | BA | Size | Peak coordinate | *r* | *P* |
| MNI (*x, y, z*) |
|  1 | Frontal\_Med\_OrbR | 11 | 44 | (2,43.5, -12) | -0.58 | 0.0009  |
|  2 | Frontal\_Inf\_Oper\_R | 45 | 49 | (43.5,16.5,6) | 0.64 | 0.0002  |
|  3 | Precentral\_L  | 6 | 46 | (-49.5, -1.5,34.5) | 0.59 | 0.0007  |
|  4 | Precentral\_L | 6 | 237 | (-24, -18,66) | 0.68 | 0.0001  |
|  5 | Precentral\_R | 6 | 80 | (31, -25,72) | 0.67 | 0.0001  |
|  6 | Frontal\_Mid\_L | 10 | 82 | (-33,48,12) | 0.62 | 0.0003  |
|  7 | Insula\_L | 47 | 124 | (-33,15, -9) | 0.64 | 0.0002  |
|  8 | Insula\_L | 13 | 107 | (-31.5,9,10.5) | 0.63 | 0.0002  |
|  9 | Insula\_L | 13 | 44 | (-42, -10.5,7.5) | 0.64 | 0.0002  |
|  10 | Frontal\_Inf\_Oper\_R | 44 | 49 | (51,7.5,21) | 0.59 | 0.0007  |
|  11 | Frontal\_Inf\_Oper\_R | 46 | 96 | (49.5,16.5,28.5) | -0.62 | 0.0003  |
|  12 | Frontal\_Mid\_R | 10 | 102 | (31.5,36,30) | 0.59 | 0.0009  |
|  13 | Paracentral\_Lobule\_L | 6 | 46 | (-15,21,51) | -0.64 | 0.0002  |
|  14 | Supp\_Motor\_Area\_L | 6 | 48 | (-10.5,6,54) | 0.63 | 0.0003  |
|  15 | Frontal\_Mid\_L | 6 | 119 | (-24,4.5,55.5) | -0.67 | 0.0001  |
|  16 | Frontal\_Sup\_R | 6 | 136 | (29, -9,65) | 0.57 | 0.0014  |
|  17 | Frontal\_Sup\_MedialR | 9 | 90 | (8,51,43) | -0.59 | 0.0009  |
|  18 | Frontal\_Mid\_R | 9 | 108 | (50,19,41) | -0.67 | 0.0001  |
|  19 | Occipital\_Mid\_L | 19 | 47 | (-43, -83,9) | -0.64 | 0.0002  |
|  20 | Occipital\_Mid\_L | 37 | 45 | (-40.5, -63,4.5) | -0.62 | 0.0004  |
|  21 | Temporal\_Mid\_R | 39 | 56 | (45, -57,4.5) | -0.71 | 0.0000  |
|  22 | Temporal\_Mid\_L | 39 | 54 | (-45, -48,12) | -0.55 | 0.0021  |
|  23 | Temporal\_Mid\_L | 40 | 102 | (-48, -55.5,16.5) | -0.65 | 0.0001  |
|  24 | Temporal\_Mid\_R | 21 | 105 | (64, -2, -19) | -0.61 | 0.0004  |
|  25 | Temporal\_Sup\_R | 22 | 228 | (65, -42,11) | -0.6 | 0.0006  |
|  26 | Precuneus\_L | 30 | 155 | (1.5, -51,16.5) | -0.64 | 0.0002  |
|  27 | Cingulum\_Ant\_R | 32 | 41 | (9,15,27) | 0.68 | 0.0000  |
|  28 | Cingulum\_Mid\_R | 31 | 73 | (15, -46.5,36) | -0.63 | 0.0002  |
|  29 | Cingulum\_Mid\_L | 23 | 80 | (-3, -15,30) | 0.63 | 0.0003  |
|  30 | Lingual\_R | 18 | 46 | (21, -93, -16) | 0.58 | 0.0009  |
|  31 | Parietal\_Sup\_L | 7 | 54 | (-19.5, -63,55.5) | 0.66 | 0.0001  |
|  32 | Parietal\_Sup\_L | 7 | 48 | (-23, -71,58) | 0.63 | 0.0003  |
|  33 | Postcentral\_L | 40 | 41 | (-31.5, -39,58.5) | 0.68 | 0.0001  |
|  34 | Postcentral\_L | 40 | 40 | (-48, -36,58) | 0.71 | 0.0000  |
|  35 36 37 | Thalamus\_LParietal\_Sup\_LVermis\_10 | Wm5- | 1083737 | (-24, -31.5,12) (-37, -48,63) (-3, -43, -37)  | 0.64 | 0.0002  |
| 0.59 | 0.0008 |
| -0.68 | 0.0001 |
|  38 | - | - | 40 | (12, -19.5, -42) | -0.68 | 0.0000  |

Single voxel threshold *P* < 0.01 (t > 2.771 or t < -2.771), adjacent size ≥ 37 voxels (AlphaSim corrected).