**Table S1**. Brain regions defined in Craddock 200 brain atlas showing abnormal IVSC and IVFC in patients with MDD.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Region index | T | *P*FWE |  | Region index | T | *P*FWE |
| IVSC  (MDD vs. HC) | 26 | -4.08 | 0.009 | IVFC  (MDD vs.HC) | 90 | 8.26 | 0.000 |
| 44 | -4.97 | 0.000 | 91 | 5.52 | 0.000 |
| 45 | -4.66 | 0.001 | 92 | 4.97 | 0.000 |
| 48 | 5.08 | 0.000 | 94 | 8.51 | 0.000 |
| 68 | 4.85 | 0.000 | 96 | 8.44 | 0.000 |
| 87 | 4.19 | 0.006 | 98 | 12.46 | 0.000 |
| 108 | -4.43 | 0.002 | 100 | 7.37 | 0.000 |
| 115 | 5.45 | 0.000 | 101 | 6.48 | 0.000 |
| 135 | -4.58 | 0.001 | 102 | 9.61 | 0.000 |
| 142 | -3.81 | 0.028 | 103 | 4.49 | 0.002 |
| 165 | 5.04 | 0.000 | 104 | 3.92 | 0.018 |
| 176 | 3.73 | 0.039 | 105 | 7.83 | 0.000 |
| 184 | 3.99 | 0.014 | 107 | 10.87 | 0.000 |
| IVFC  (MDD vs. HC) | 1 | 8.64 | 0.000 | 108 | 7.63 | 0.000 |
| 2 | 7.87 | 0.000 | 110 | 5.24 | 0.000 |
| 4 | 6.03 | 0.000 | 111 | 6.05 | 0.000 |
| 5 | 5.11 | 0.000 | 112 | 5.17 | 0.000 |
| 7 | 7.46 | 0.000 | 113 | 5.59 | 0.000 |
| 8 | 9.67 | 0.000 | 115 | 4.94 | 0.000 |
| 9 | 6.87 | 0.000 | 116 | 4.17 | 0.006 |
| 10 | 7.55 | 0.000 | 117 | 3.87 | 0.022 |
| 11 | 9.82 | 0.000 | 118 | 6.63 | 0.000 |
| 13 | 5.23 | 0.000 | 119 | 4.53 | 0.001 |
| 14 | 4.96 | 0.000 | 120 | 5.78 | 0.000 |
| 16 | 8.00 | 0.000 | 121 | 9.89 | 0.000 |
| 17 | 7.56 | 0.000 | 123 | 6.74 | 0.000 |
| 18 | 11.80 | 0.000 | 126 | 5.36 | 0.000 |
| 20 | 3.97 | 0.015 | 127 | 4.20 | 0.006 |
| 21 | 7.88 | 0.000 | 129 | 7.02 | 0.000 |
| 22 | 3.98 | 0.014 | 130 | 4.27 | 0.004 |
| 24 | 4.37 | 0.003 | 131 | 8.89 | 0.000 |
| 25 | 5.85 | 0.000 | 133 | 6.93 | 0.000 |
| 26 | 10.29 | 0.000 | 134 | 8.98 | 0.000 |
| 27 | 8.72 | 0.000 | 137 | 6.16 | 0.000 |
| 28 | 7.36 | 0.000 | 138 | 11.28 | 0.000 |
| 29 | 10.24 | 0.000 | 140 | 4.86 | 0.000 |
| 31 | 6.83 | 0.000 | 142 | 9.25 | 0.000 |
| 32 | 3.85 | 0.024 | 143 | 6.65 | 0.000 |
| 35 | 7.70 | 0.000 | 144 | 7.68 | 0.000 |
| 37 | 6.86 | 0.000 | 146 | 9.83 | 0.000 |
| 40 | 4.45 | 0.002 | 147 | 5.24 | 0.000 |
| 41 | 6.05 | 0.000 | 148 | 8.80 | 0.000 |
| 43 | 4.77 | 0.000 | 150 | 8.12 | 0.000 |
| 44 | 5.63 | 0.000 | 152 | 7.58 | 0.000 |
| 45 | 10.20 | 0.000 | 153 | 10.34 | 0.000 |
| 48 | 5.46 | 0.000 | 154 | 12.72 | 0.000 |
| 49 | 5.52 | 0.000 | 157 | 10.19 | 0.000 |
| 50 | 7.15 | 0.000 | 158 | 8.05 | 0.000 |
| 52 | 4.52 | 0.001 | 159 | 10.36 | 0.000 |
| 53 | 7.94 | 0.000 | 162 | 5.01 | 0.000 |
| 54 | 9.61 | 0.000 | 164 | 8.29 | 0.000 |
| 56 | 4.48 | 0.002 | 165 | 6.37 | 0.000 |
| 57 | 7.20 | 0.000 | 166 | 5.31 | 0.000 |
| 59 | 6.09 | 0.000 | 168 | 3.95 | 0.016 |
| 60 | 9.94 | 0.000 | 170 | 7.26 | 0.000 |
| 61 | 5.53 | 0.000 | 171 | 4.25 | 0.004 |
| 62 | 4.54 | 0.001 | 172 | 13.19 | 0.000 |
| 63 | 10.04 | 0.000 | 174 | 5.33 | 0.000 |
| 64 | 5.31 | 0.000 | 175 | 9.30 | 0.000 |
| 65 | 5.02 | 0.000 | 176 | 5.68 | 0.000 |
| 66 | 6.56 | 0.000 | 177 | 12.19 | 0.000 |
| 67 | 4.25 | 0.004 | 178 | 4.27 | 0.004 |
| 68 | 8.66 | 0.000 | 179 | 5.02 | 0.000 |
| 70 | 10.38 | 0.000 | 181 | 7.79 | 0.000 |
| 72 | 8.34 | 0.000 | 184 | 4.56 | 0.001 |
| 77 | 5.10 | 0.000 | 185 | 7.33 | 0.000 |
| 78 | 8.53 | 0.000 | 186 | 5.47 | 0.000 |
| 79 | 3.94 | 0.017 | 187 | 6.68 | 0.000 |
| 80 | 8.29 | 0.000 | 189 | 13.65 | 0.000 |
| 81 | 10.84 | 0.000 | 191 | 5.17 | 0.000 |
| 82 | 5.83 | 0.000 | 192 | 7.15 | 0.000 |
| 83 | 7.65 | 0.000 | 193 | 5.11 | 0.000 |
| 85 | 8.78 | 0.000 | 194 | 7.93 | 0.000 |
| 86 | 4.37 | 0.003 | 195 | 7.12 | 0.000 |
| 88 | 13.89 | 0.000 | 196 | 8.18 | 0.000 |
| 89 | 10.26 | 0.000 | 198 | 8.57 | 0.000 |
|  |  |  | 200 | 8.45 | 0.000 |

**Figure S1**. Abnormal patterns of intersubject variability of structural covariance (IVSC) and functional connectome (IVFC) in patients with schizophrenia and the Spearman’s correlation between them.

