**Supplementary results for**

**Resolving heterogeneity in depression using individualized structural covariance network analysis**

**Figure S1**. The number of differential edges in IDSCN shared by N subjects. As we could see, differential edges were shared by limited number of patients.



**Figure S2**. The silhouette values of cluster results according to the top N (N = 80, 100 or 120) differential edges. Patients with depression were consistently were clustered into 2 subtypes.



**Figure S3**. Distribution of differential structural covariance edges in each subtype compared with HCs. The number represented the t values of two sample t test. If the difference was significant (p <0.05, FWE corrected), it was marked with ‘\*’.



**Table S1**. Results of functional annotation for differential edges in subtype 2.

|  |  |
| --- | --- |
| Functional terms of Neurosynth | Permutation p |
| Monetary reward | 0.017 |
| Motivation | 0.029 |
| Reward anticipation | 0.024 |
| Sustained attention | 0.044 |
| Nociceptive | 0.044 |
| Rhythm | 0.014 |
| Speech | 0.049 |
| Speech production | 0.013 |
| Verbal working | 0.047 |