**Table 4**. AD and PD network properties. Gene co-expression networks were generated for AD and PD samples. AD, PD, and random networks are shown.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Nodes** | **Edges** | **Diameter** | **Average path length** | **Density** | **Clustering coefficient** | **Connected network?** | **Minimum cut** |
| **AD** | 4861 | 396985 | 11 | 3.004 | 0.034 | 0.443 | No | - |
| **PD** | 5857 | 394405 | 18 | 3.598 | 0.023 | 0.397 | No | - |
| **Random AD** | 4861 | 396985 | 3 | 1.970 | 0.034 | 0.034 | Yes | 114 |
| **Random PD** | 5857 | 394405 | 3 | 2.021 | 0.023 | 0.023 | Yes | 89 |