**Supplementary Table 4. Mienturnet Network Properties.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Node** | **Degree** | **Closeness** | **Betweenness** | **Eccentricity** | **Clustering Coefficient** | **Average Shortest Path Lenght** |
| **hsa-miR-27a-3p** | 14 | 0.679 | 0.626 | 3 | 0 | 1.40 |
| **hsa-miR-128-3p** | 12 | 0.594 | 0.468 | 3 | 0 | 1.60 |
| **EGFR** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **FBXW7** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **WEE1** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **IGF1** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **ABCA1** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **RXRA** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **MAPK14** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **SMAD2** | 2 | 0.528 | 0.0256 | 2 | 0 | 1.80 |
| **SP1** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **BMI1** | 1 | 0.380 | 0.00 | 4 | 0 | 2.50 |
| **TGFBR1** | 1 | 0.380 | 0.00 | 4 | 0 | 2.50 |
| **PLAG1** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **ADORA2B** | 1 | 0.380 | 0.00 | 4 | 0 | 2.50 |
| **YWHAZ** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **SLC7A11** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **HOXA10** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **LDLR** | 1 | 0.413 | 0.00 | 4 | 0 | 2.30 |
| **PDK1** | 1 | 0.380 | 0.00 | 4 | 0 | 2.50 |

Degree: the number of incoming and outgoing edges of each node; closeness: the inverse of the average length of the shortest paths between a node and all other nodes in the network; betweenness: the number of shortest paths going through the node; eccentricity: the shortest path distance of a node from the farthest other node in the network; clustering coefficient: measurement the probability that the adjacent nodes of a node are connected; average shortest path length: the average length of the shortest paths between a node and all other nodes in the network.