Supplementary Table 2. Network Topology Parameters of 37 hub genes

|  |  |  |  |
| --- | --- | --- | --- |
| Targets | Gene name | Betweeness | Degree |
| Caspase-8 | CASP8 | 1.55×10-2 | 16 |
| Cellular tumor antigen p53 | TP53 | 4.36×10-2 | 35 |
| Mitogen-activated protein kinase 8 | MAPK8 | 2.29×10-2 | 30 |
| Transcription factor AP-1 | JUN | 4.51×10-2 | 37 |
| Tumor necrosis factor | TNF | 5.00×10-2 | 35 |
| Apolipoprotein A-I | APOA1 | 2.11×10-2 | 16 |
| Apolipoprotein B-100 | APOB | 1.84×10-2 | 17 |
| Vascular endothelial growth factor A | VEGFA | 2.63×10-2 | 32 |
| RAC-alpha serine/threonine-protein kinase | AKT1 | 0.91×10-2 | 44 |
| Insulin | INS | 6.40×10-2 | 26 |
| Histone acetyltransferase p300 | EP300 | 5.52×10-2 | 37 |
| Caspase-3 | CASP3 | 2.44×10-2 | 12 |
| Epidermal growth factor receptor | EGFR | 2.53×10-2 | 29 |
| Pro-epidermal growth factor | EGF | 1.59×10-2 | 25 |
| GTPase | HRAS | 2.73×10-2 | 30 |
| Tyrosine-protein kinase | JAK2 | 1.30×10-2 | 29 |
| Signal transducer and activator of transcription 3 | STAT3 | 8.50×10-2 | 50 |
| Signal transducer and activator of transcription 1-alpha/beta | STAT1 | 1.39×10-2 | 22 |
| Prothrombin | F2 | 5.08×10-2 | 15 |
| Transcription factor p65 | RELA | 3.39×10-2 | 37 |
| Matrix metalloproteinase-9 | MMP9 | 1.29×10-2 | 15 |
| Interleukin-6 | IL6 | 2.84×10-2 | 32 |
| Retinoic acid receptor alpha/Retinoic acid receptor beta | RXRA | 8.11×10-2 | 24 |
| Peroxisome proliferator activated receptor gamma | PPARG | 1.77×10-2 | 14 |
| Mitogen-activated protein kinase 1 | MAPK1 | 1.11×10-1 | 41 |
| Interleukin-4 | IL4 | 1.72×10-2 | 20 |
| Transforming growth factor beta-1 | TGFB1 | 1.12×10-2 | 18 |
| Myc proto-oncogene protein | MYC | 1.14×10-2 | 24 |
| Mitogen-activated protein kinase 3 | MAPK3 | 3.81×10-2 | 39 |
| Proto-oncogene tyrosine-protein kinase | SRC | 3.69×10-2 | 36 |
| Mitogen-activated protein kinase 14 | MAPK14 | 4.05×10-2 | 30 |
| Fibronectin | FN1 | 1.39×10-2 | 27 |
| Phosphatidylinositol 3-kinase regulatory subunit alpha | PIK3R1 | 3.58×10-2 | 39 |
| Transforming protein | RHOA | 1.28×10-2 | 22 |
| Estrogen receptor | ESR1 | 2.91×10-2 | 25 |
| Glucocorticoid receptor | NR3C1 | 1.19×10-2 | 18 |
| Peroxisome proliferator-activated receptor alpha | PPARA | 2.71×10-2 | 15 |