Supplementary Table 3. Enriched biological processes of sub-networks identified by “MCODE”

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| No. | GO term | *P*-value |
| 1 | Regulation of metabolic process | 9.28×10-26 |
| 2 | Regulation of multicellular organismal metabolic process | 9.27×10-7 |
| 3 | Regulation of leukocyte proliferation | 8.29×10-11 |
| 4 | Positive regulation of defense | 7.94×10-8 |
| 5 | Regulation of multi-organism process | 6.87×10-2 |
| 6 | Regulation of signaling pathway | 6.44×10-30 |
| 7 | Regulation of vitamin metabolic process | 5.14×10-4 |
| 8 | Regulation of muscle organ development | 4.48×10-7 |
| 9 | Ion homeostasis | 4.16×10-12 |
| 10 | Regulation of import into nucleus，translocation | 3.83×10-10 |
| 11 | Regulation of fatty acid metabolic process | 3.67×10-9 |
| 12 | Negative regulation of intracellular transport | 3.18×10-2 |
| 13 | Regulation of organic acid transport | 3.17×10-5 |
| 14 | Regulation of intracellular transport | 3.17×10-13 |
| 15 | Regulation of transcription from RNA polymerase II promoter | 2.19×10-12 |
| 16 | Regulation of lymphocyte activation | 2.05×10-11 |
| 17 | Regulation of sterol transport | 1.97×10-6 |
| 18 | Regulation of ion transport | 1.93×10-11 |
| 19 | Regulation of histone modification | 1.77×10-2 |
| 20 | Regulation of DNA binding | 1.40×10-18 |
| 21 | Regulation of neurological system process | 1.38×10-6 |
| 22 | Regulation of oxidoreductase activity | 1.32×10-7 |
| 23 | Regulation of protein complex assembly | 1.17×10-2 |
| 24 | Regulation of epidermis development | 1.08×10-3 |