

Supplementary Table IX. Weighted degrees of the different rich-club modules within the module interaction network.

| Module | Weighted Degree |
|---|------------------------|
| Developmental Processes | 2670 |
| Immune System Process | 2407 |
| Cell Communication | 1651 |
| Response To Stress | 907 |
| G-Protein Coupled Receptor Signaling Pathway | 866 |
| Inflammatory Response | 848 |
| Cell Surface Receptor Linked Signal Transduction | 693 |
| Platelet Activation | 676 |
| Apoptotic Processes | 655 |
| Adenylate Cyclase-Modulating G-Protein Coupled Receptor Signaling Pathway | 512 |
| Signal Transduction | 474 |
| Non-Enriched Module | 431 |
| Angiogenesis | 384 |
| Cell-Cell Signaling | 250 |
| Toll-Like Receptor Signaling Pathway | 244 |
| Response To Chemical | 240 |
| Regulation Of Apoptotic Signaling Pathway | 229 |
| Response To Hypoxia | 216 |
| Response To Growth Factor | 199 |
| Cellular Response To Organic Substances | 157 |
| Carbohydrate Derivative Metabolic Process | 152 |
| Extracellular Matrix Organization | 152 |
| Synaptic Transmission | 134 |
| Regulation Of Nervous System Development | 110 |
| Steroid Hormone Mediated Signaling Pathway | 87 |
| Activation Of Protein Kinase Activity | 66 |