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|  |  **Table S4. Top IPA Networks** |  |
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| **#** | **Top IPA Networks**  | **Score** |
| 1 | Cell Morphology, Connective Tissue Development and Function, Cellular Movement. | 37 |
| 2 | Amino Acid Metabolism, Post-Translational Modification, Small Molecule Biochemistry. | 20 |
| 3 | Cellular Assembly & Organization, DNA Replication, Recombination, Repair, Cellular Compromise. | 18 |
| 4 | Cell Morphology, Cellular Compromise, DNA Replication, Recombination, and Repair. | 16 |
| 5 | Antigen Presentation, Cellular Movement, Hematological System Development and Function. | 16 |