**Figures in the Manuscript**

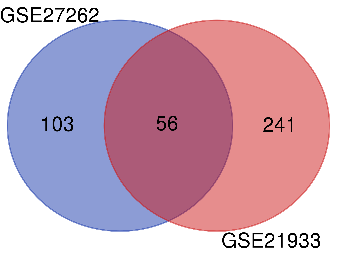


Fig.1a Venn diagram of upregulated intercepted genes



Fig1b. Venn diagram of downregulated intercepted genes.

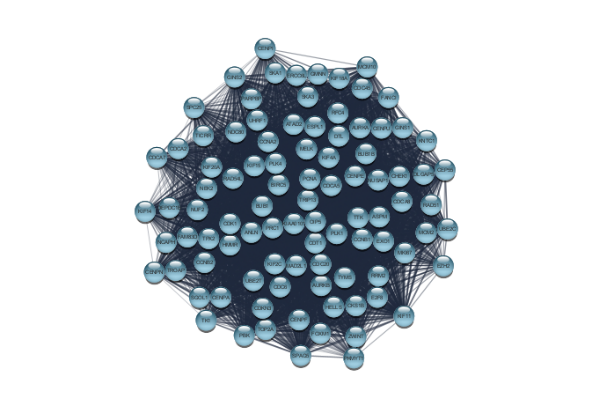
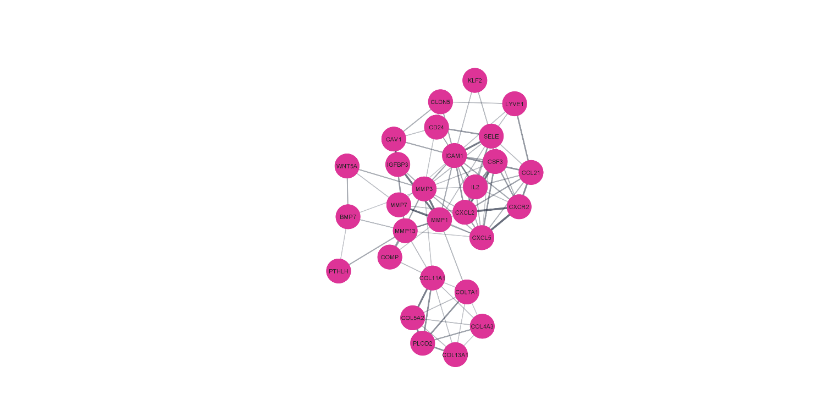
 Module A

Fig. 2a. Module A of the interaction network of connected genes. The circle nodes represent genes while the line edges show their interactions.



Module B

Fig. 2b. Module B of the interaction network of connected genes. The circle nodes represent genes while the line edges show their interactions.

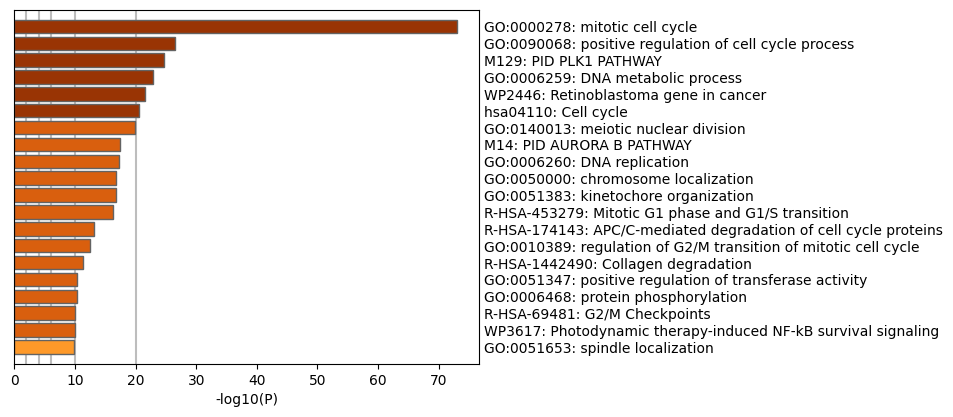


Fig. 3 Bar graph of enriched terms across gene lists, colored by p-values.

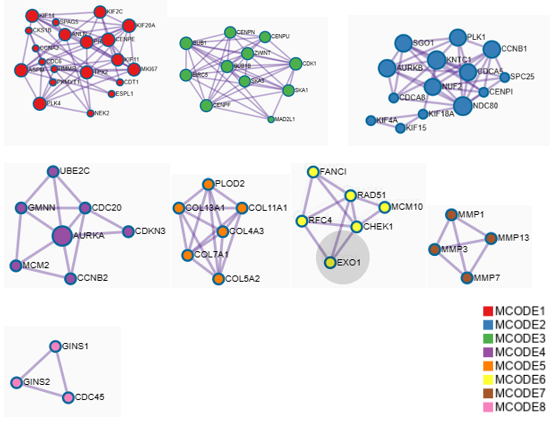


Fig. 4 Modules detection using MCODE algorithm in Metascape. Circles represent protein nodes. Nodes in each subgraph are colored differently for different modules.

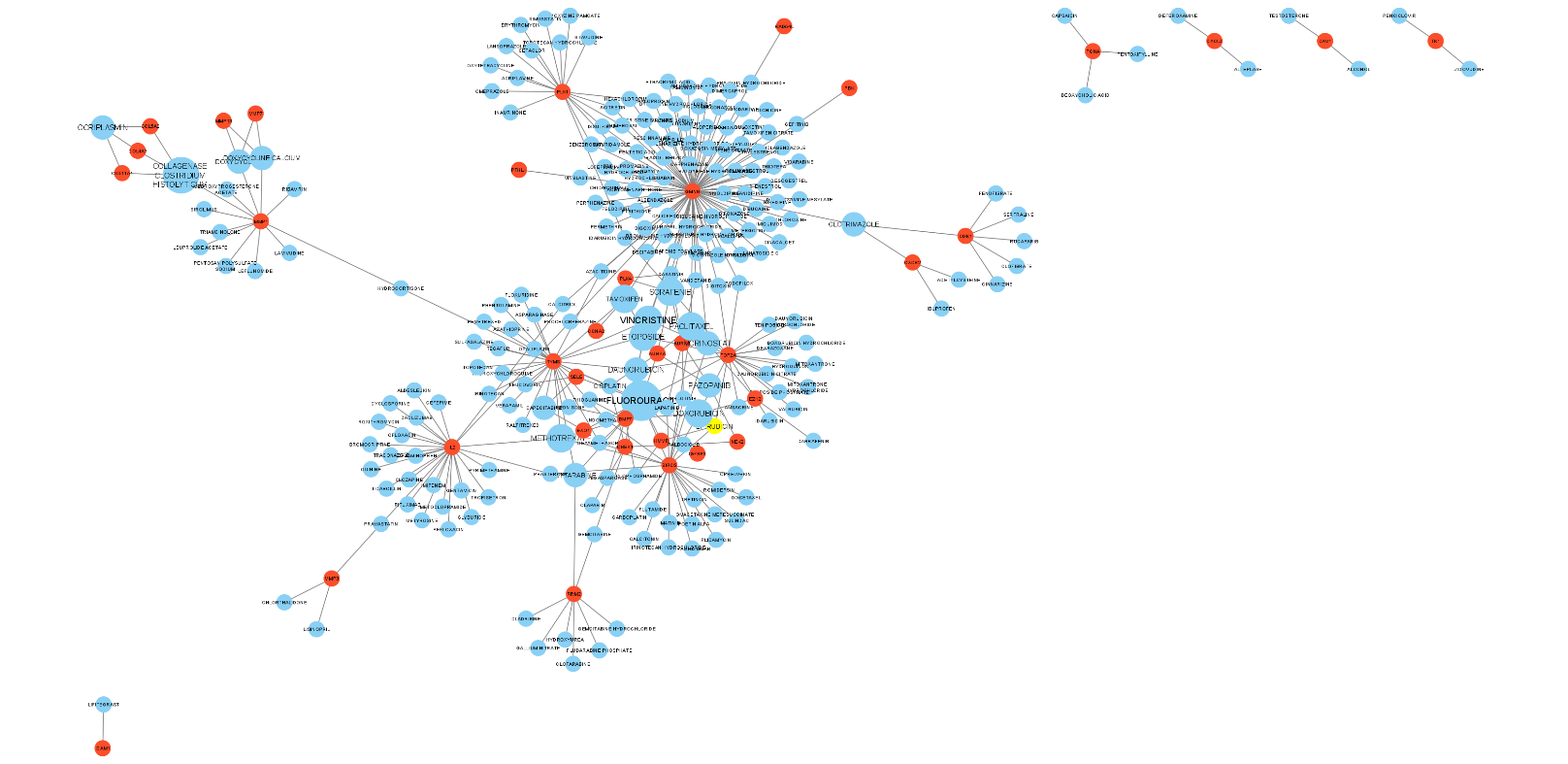
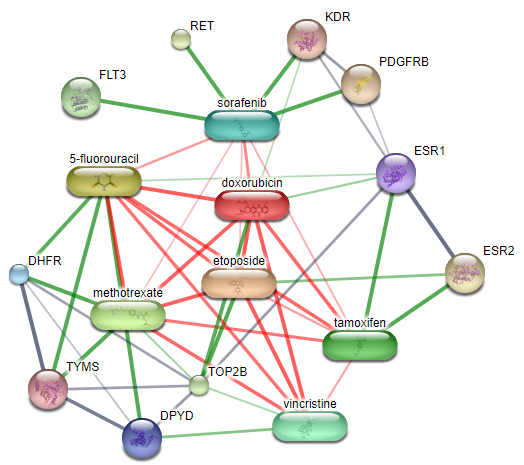
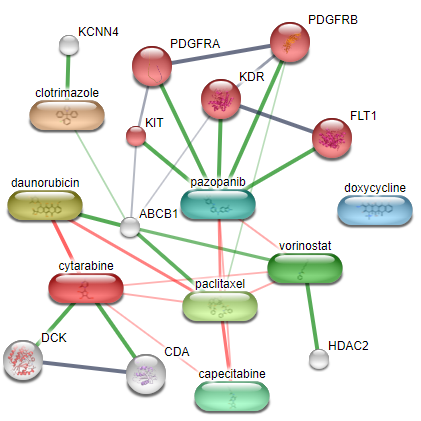


Fig. 5 Drug-gene interaction network. The red nodes indicate the gene while the blue nodes are drugs that interact with those genes. The size of the blue nodes (drug) indicates how many genes they interact with; he larger the size, the more genes they interact with.



**Figure 6a. Drug-protein interaction network of candidate drugs with more than three nodes in the drug-gene interaction database.**



**Figure 6b. Drug-protein interaction network of candidate drugs with three nodes in the drug-gene interaction database.**