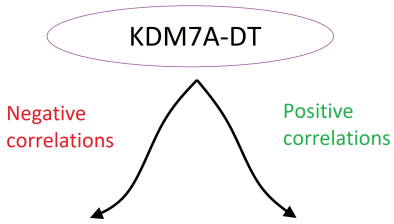
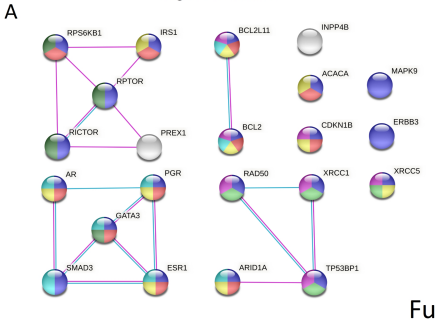


Physical networks

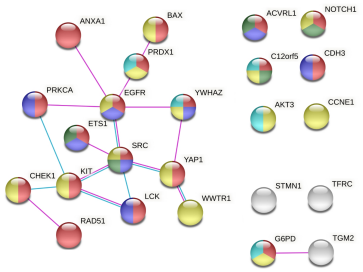
A

Negaive correlations



B

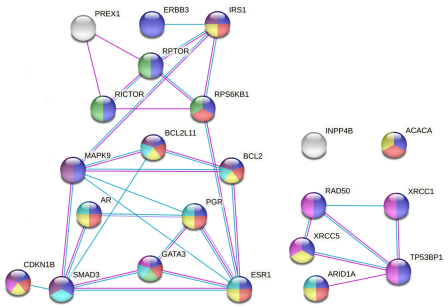
Positive correlations



Functional networks

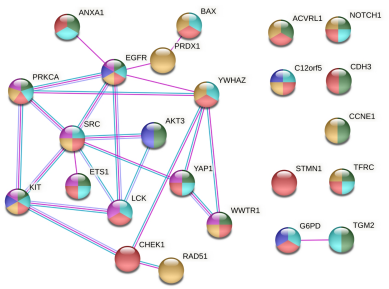
C

Negaive correlations



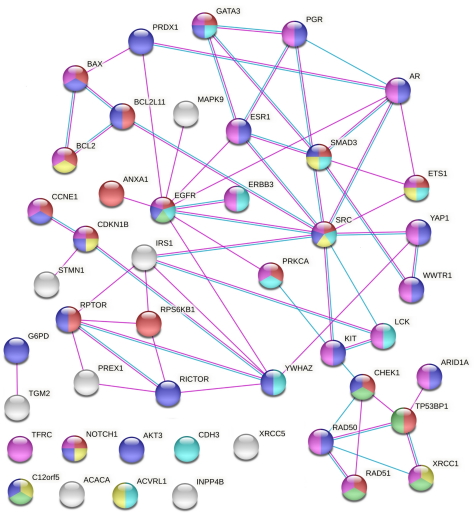
D

Positive correlations



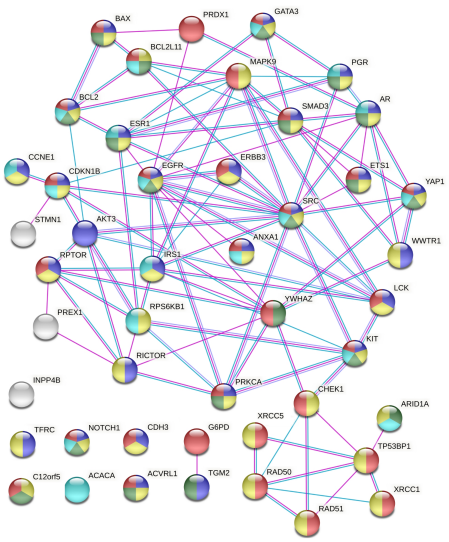
E

Physical networks



F

Functional networks



A

- Positive regulation of cellular metabolic process(GO:0031325)
- Response to hormone(GO:0009725)
- TOR signaling(GO:0031929)
- Response to lipid(GO:0033993)
- Tube morphogenesis(GO:0035239)
- Cellular response to DNA damage stimulus(GO:006974)
- Others

B

- Response to stress(GO:0006950)
- Wound healing (GO:0042060)
- Response to hypoxia (GO:0001666)
- Generic Transcription Pathway/Pol-II transcription(HSA-212436)
- Transcriptional Regulation by TP53 (HSA-3700989)
- Others

C

- Positive regulation of cellular metabolic process(GO:0031325)
- Response to hormone(GO:0009725)
- TOR signaling(GO:0031929)
- Response to lipid(GO:0033993)
- Tube morphogenesis(GO:0035239)
- Cellular response to DNA damage stimulus(GO:006974)
- DNA damage response (only ATM dependent) (WP710)
- Others

D

- Positive regulation of cell population proliferation (GO:0008284)
- Regulation of proggramed cell death (GO:0043067)
- Cell developmental process (GO:0048869)
- Regulation of phosphorylation (GO: 0042225)
- Central carbon metabolism in cancer (hsa0530)
- Proto-oncogene (KW-0656)

E

- Regulation of cell cycle(GO:0051726)
- Wound healing(GO:0051726)
- Response to hypoxia(GO:0001666)
- Regulation of DNA repair(GO:0006282)
- Generic Transcription Pathway(Reactome/HSA-212436)
- Cancer(Diseases/DOID:162)
- Others

F

- Response to stress(GO:0006950)
- Positive regulation of cell population proliferation(GO:0008284)
- Positive regulation of nitrogen compound metabolic process(GO:0051173)
- Tube development(GO:0035295)
- Response to hormone(GO:0009725)
- Others