Input

Cancer signaling network

Preprocessing

Start	End
AKT3	TGFA
KRAS	RHOA
KRAS	AREG
SOS1	SOS2
EGFR	PIK3CB
GRB2	AREG
HRAS	BAK1
JUN	EGF

B

C Cytoscape

Total support Computation

GPU
Multi-core CPU

Output

Ranking

D

Gene	Total support
EGFR	11.96
GRB2	-1.16
KRAS	-7.04
SOS1	-8.12
SOS2	-8.12
AREG	-16.18
EGF	-16.18
TGFA	-16.18

E Evidence collection

Candidate anticancer
drug target genes

F

Gene	Total support
EGFR	11.96
GRB2	-1.16
KRAS	-7.04

A