

Supplementary Tables [ST]

ST 1. Primer Sequences of genes used in the study

Gene NAME	SEQUENCE (5'->3')
BaX - F	GGTTGTCGCCCTTTCTA
BaX - R	CGGAGGAAGTCCAATGTC
SLUG- F	CATGCCTGTCATACCACAAC
SLUG-R	GGTGTGAGATGGAGGAGGG
Human TGF Beta-F	CCCAGCATCTGCAAAGCTC
Human TGF Beta-R	GTCAATGTACAGCTGCCGCA
Beta Actin- F	AGAGCTACGAGCTGCCTGAC
Beta Actin- R	AGCATTTCTTCCCGGCCTTT
c-MYC- F	AGAAATGTCCTGAGCAATCACC
c-MYC- R	AAGGTTGTGAGGTTGCATTGA

ST 2: Various algorithms used to determine top 10 hub genes based on CytosHubba.

ALGORITHMS	MCC	MNC	DEGREE
GENES	IL6	IL6	IL6
	MMP9	MMP9	MMP9
	MAPK1	MAPK1	MAPK1
	AR	AR	AR
	MAPK14	CDK4	CDK4
	MAPK8	MAPK14	MAPK14
	CDK4	MAPK8	MAPK8
	ADAM17	ADAM17	WEE1
	WEE1	WEE1	ADAM17
	CDK1	CDK1	CDK1

ST 3: Top 10 pathways showing the genes involved.

Pathway Term Id	Fold Enrichment	<i>P-Value</i>	Gene Count	Genes
IL-17 signaling pathway	122.5591398	1.96E-08	5	MAPK1 MMP9 MAPK8 MAPK14 IL6
TNF signaling pathway	101.7678571	2.62E-08	5	MAPK1 MMP9 MAPK8 MAPK14 IL6
Toll-like receptor signaling pathway	88.52815534	8.01E-07	4	MAPK1 MAPK8 MAPK14 IL6
T cell receptor signaling pathway	88.52815534	8.01E-07	4	MAPK1 MAPK8 MAPK14 CDK4
Th17 cell differentiation	84.42962963	8.81E-07	4	MAPK1 MAPK8 MAPK14 IL6
Cellular senescence	73.06410256	1.09E-07	5	MAPK1 MAPK14 CDK4 IL6 CDK1
Relaxin signaling pathway	70.68527132	1.62E-06	4	MAPK1 MMP9 MAPK8 MAPK14
FoxO signaling pathway	69.60610687	1.64E-06	4	MAPK1 MAPK8 MAPK14 IL6
Human T-cell leukemia virus 1 infection	41.07387387	1.05E-05	4	MAPK1 MAPK8 CDK4 IL6
Pathways in cancer	25.80679245	4.02E-07	6	MAPK1 MMP9 MAPK8 CDK4 IL6 AR