

Suppl. Table S3: The MAPK network adjacency matrix as a table of edges.

Source Gene	Destination Gene	Source Gene	Destination Gene
ERK	ELK1	AKT	p21
ERK	FOS	AKT	MYC
ERK	MSK	AKT	RAF
ERK	RSK	AKT	p70
ERK	SPRY	AKT	FOXO3
ERK	RAF	AKT	MDM2
ERK	p70	AKT	BCL2
ERK	HIF1	PLCG	PKC
p38	p53	PLCG	RAS
p38	MAX	PKC	EGFR
p38	PPP2CA	PKC	FGFR3
p38	ELK1	PKC	RAF
p38	ATF2	GADD45	MTK1
p38	MSK	ELK1	FOS
JNK	ELK1	FOS	AP1
JNK	ATF2	ATF2	AP1
JNK	JUN	JUN	AP1
JNK	FOXO3	MSK	MYC
p53	p21	MSK	CREB
p53	GADD45	CREB	DUSP1
p53	MDM2	CREB	FOS
p53	PTEN	CREB	BCL2
TGFBR	GRB2	RSK	FOS
TGFBR	SMAD	RSK	SOS
TGFBR	TAK1	SMAD	GADD45
EGFR	GRB2	MTK1	p38
EGFR	PLCG	MTK1	JNK
FGFR3	FRS2	SPRY	EGFR
FGFR3	PLCG	SPRY	FRS2
ATM	p53	RAF	MEK1_2
ATM	TAOK	GAB1	PI3K
TAOK	p38	PDK1	AKT
TAOK	JNK	PDK1	p70
MAX	MYC	p70	HIF1
GRB2	EGFR	p14	MDM2
GRB2	FGFR3	RAS	PI3K
GRB2	FRS2	RAS	RAF
GRB2	GAB1	RAS	MAP3K1_3
GRB2	SOS	SOS	PI3K
FRS2	GRB2	SOS	RAS
PI3K	GAB1	MDM2	p53
PI3K	PDK1	TAK1	p38
AP1	MEK1_2	TAK1	JNK
PPP2CA	MEK1_2	MAP3K1_3	p38
MEK1_2	ERK	MAP3K1_3	JNK
DUSP1	p38	MAP3K1_3	MEK1_2
DUSP1	JNK	PTEN	AKT
MYC	p14	HIF1	EGF
		HIF1	VEGF