

AKT2_[PI]_i-_PI_[PH]		
IRS_[pY]_ppi-_PI3K_[SH2]		
RHEB_[switch1DSYDPTIEN]_ppi-_mTOR_[FATf..2f..3]		
RHEB_[switch1]_ppi-_mTOR_[Mheatm..2m..3m..4]		
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi-_mTOR_[Nheatn..3ton..7]		
RTK_p-_IRS_[(RTK)]		
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]		
TSC2_gap_RHEB_[(G)]		
[Output]		
elF4E_[A001]_ppi+_elF4G_[A002]		
elF4E_[A001]_ppi-_EIF4EBP1_[A001]		
elF4E_[A001]_ppi-_elF4G_[A002]		
mTOR_[Raptor]_ppi+_Raptor_[mTOR]		
mitogen_[EGFR]_ppi-_EGFR_[mitogen]		
nk_p-_TSC2_[(Ser1130)]		
nk_p-_TSC2_[(Ser939)]		
nk_p-_TSC2_[(Ser981)]		
nk_p-_TSC2_[(Thr1462)]		
nn_p-_AKT2_[(S474)]		
nn_p-_AKT2_[(T309)]		
unk_p-_PI_[(3)]		
unk_p-_PI_[(4)]		
unk_p-_PI_[(5)]		
unknown1_p+_PI_[(4)]		
unknown2_p+_PI_[(5)]		
AKT2_[(S474)]-(0)		
AKT2_[(T309)]-(0)		
AKT2_[PI]--0		
EGFR_[mitogen]--0		
EIF4EBP1_[(Ser65)]-(p)		
EIF4EBP1_[(Thr37)]-(p)		
EIF4EBP1_[(Thr46)]-(p)		
EIF4EBP1_[(Thr70)]-(p)		
EIF4EBP1_[A001]--0		
GTP		
IRS_[(RTK)]-(0)		
IRS_[pY]--0		
PDK1		
PI3K_[SH2]--0		
PI_[(3)]-(0)		
PI_[(4)]-(0)		
PI_[(4)]-(p)		
PI_[(5)]-(0)		
PI_[(5)]-(p)		
PI_[PH]--0		
PPM1G_[(AKT2)]-(p)		
RHEB_[(G)]-(0)		
RHEB_[switch1DSYDPTIEN]--0		
RHEB_[switch1]--0		
RHEB_[switch2GQDEYSIFPQTYSIDIN]--0		
RTK		
Raptor_[mTOR]--mTOR_[Raptor]		
TSC1_[Cterminus]--TSC2_[Nterminus]		
TSC2_[(Ser1130)]-(0)		
TSC2_[(Ser939)]-(0)		
TSC2_[(Ser981)]-(0)		
TSC2_[(Thr1462)]-(0)		
[EIF4EBP1]		
[Raptor]		
[elF4E]		
[elF4G]		
[mTOR]		
elF4E_[A001]--0		
elF4E_[A001]--elF4G_[A002]		
elF4G_[A002]--0		
mTORC1		
mTORC2		
mTOR_[FATf..2f..3]--0		
mTOR_[Mheatm..2m..3m..4]--0		
mTOR_[Nheatn..3ton..7]--0		
mitogen_[EGFR]--0		
nk		
nn		
unk		
unknown1		
unknown2		
AKT2_[PI]_i+_PI_[PH]		
AKT2_p+_PPM1G_[(AKT2)]		
AKT2_p+_TSC2_[(Ser1130)]		
AKT2_p+_TSC2_[(Ser939)]		
AKT2_p+_TSC2_[(Ser981)]		
AKT2_p+_TSC2_[(Thr1462)]		
GTP_gef_RHEB_[(G)]		
IRS_[pY]_ppi+_PI3K_[SH2]		
PDK1_p+_AKT2_[(T309)]		
PI3K_p+_PI_[(3)]		
PPM1G_p-_EIF4EBP1_[(Ser65)]		
PPM1G_p-_EIF4EBP1_[(Thr37)]		
PPM1G_p-_EIF4EBP1_[(Thr46)]		
PPM1G_p-_EIF4EBP1_[(Thr70)]		
RHEB_[switch1DSYDPTIEN]_ppi+_mTOR_[FATf..2f..3]		
RHEB_[switch1]_ppi+_mTOR_[Mheatm..2m..3m..4]		
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi+_mTOR_[Nheatn..3ton..7]		
RTK_p+_IRS_[(RTK)]		
TSC1_[Cterminus]_ppi-_TSC2_[Nterminus]		
elF4E_[A001]_ppi+_EIF4EBP1_[A001]		
mTORC1_p+_EIF4EBP1_[(Ser65)]		
mTORC1_p+_EIF4EBP1_[(Thr37)]		
mTORC1_p+_EIF4EBP1_[(Thr46)]		
mTORC1_p+_EIF4EBP1_[(Thr70)]		
mTORC2_p+_AKT2_[(S474)]		
mitogen_[EGFR]_ppi+_EGFR_[mitogen]		
AKT2_[(S474)]-(p)		
AKT2_[(T309)]-(p)		
AKT2_[PI]--PI_[PH]		
EGFR_[mitogen]--mitogen_[EGFR]		
EIF4EBP1_[(Ser65)]-(0)		
EIF4EBP1_[(Thr37)]-(0)		
EIF4EBP1_[(Thr46)]-(0)		
EIF4EBP1_[(Thr70)]-(0)		
EIF4EBP1_[A001]--elF4E_[A001]		
IRS_[(RTK)]-(p)		
IRS_[pY]--PI3K_[SH2]		
PI_[(3)]-(p)		
PPM1G_[(AKT2)]-(0)		
RHEB_[(G)]-(gtp)		
RHEB_[switch1DSYDPTIEN]--mTOR_[FATf..2f..3]		
RHEB_[switch1]--mTOR_[Mheatm..2m..3m..4]		
RHEB_[switch2GQDEYSIFPQTYSIDIN]--mTOR_[Nheatn..3ton..7]		
Raptor_[mTOR]--0		
TSC1_[Cterminus]--0		
TSC2_[(Ser1130)]-(p)		
TSC2_[(Ser939)]-(p)		
TSC2_[(Ser981)]-(p)		
TSC2_[(Thr1462)]-(p)		
TSC2_[Nterminus]--0		
[EGFR]		
[activatedEGFR]		
[activatedPI3K]		
[mitogen]		
mTOR_[Raptor]--0		