

AKT2_[PI]_i-_PI_[PH]	
IRS_[pY]_ppi-_PI3K_[SH2]	
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]	
TSC2_gap_RHEB_[(G)]	
eIF4E_[A001]_ppi+_EIF4EBP1_[A001]	
eIF4E_[A001]_ppi-_eIF4G_[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)]	
un_p-_PPM1G_[(AKT2)]	
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)]-(0)	
EIF4EBP1_[(Thr37)]-(0)	
EIF4EBP1_[(Thr46)]-(0)	
EIF4EBP1_[(Thr70)]-(0)	
EIF4EBP1_[A001]--eIF4E_[A001]	
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)]-(0)	
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]	
[eIF4E]	
[eIF4G]	
[mTOR]	
eIF4E_[A001]--0	
eIF4G_[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	
un	
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)]	
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]	
[Output]	
eIF4E_[A001]_ppi+_eIF4G_[A002]	
eIF4E_[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)]-(p)	
EIF4EBP1_[(Thr37)]-(p)	
EIF4EBP1_[(Thr46)]-(p)	
EIF4EBP1_[(Thr70)]-(p)	
EIF4EBP1_[A001]--0	
IRS_[(RTK)]-(p)	
IRS_[pY]--PI3K_[SH2]	
PI_[(3)]-(p)	
PPM1G_[(AKT2)]-(p)	
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]	
eIF4E_[A001]--eIF4G_[A002]	
mTOR_[Raptor]--0	