

	AKT2_[PI]_i+_PI_[PH]	
	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]	
	IRS_[pY]_ppi-_PI3K_[SH2]	
	PDK1_p+_AKT2_[(T309)]	
	PI3K_p+_PI_[(3)]	
	RHEB_[switch1DSYDPTIEN]_ppi+_mTOR_[FATf..2f..3]	
	RHEB_[switch1DSYDPTIEN]_ppi-_mTOR_[FATf..2f..3]	
	RHEB_[switch1]_ppi+_mTOR_[Mheatm..2m..3m..4]	
	RHEB_[switch1]_ppi-_mTOR_[Mheatm..2m..3m..4]	
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi+_mTOR_[Nheatn..3ton..7]		
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi-_mTOR_[Nheatn..3ton..7]		
	RTK_p+_IRS_[(RTK)]	
	RTK_p-_IRS_[(RTK)]	
TSC1_[Cterminus]_ppi-_TSC2_[Nterminus]		
	[Output]	
	eIF4E_[A001]_ppi+_eIF4G_[A002]	
eIF4E_[A001]_ppi-_EIF4EBP1_[A001]		
	eIF4E_[A001]_ppi-_eIF4G_[A002]	
	mTORC2_p+_AKT2_[(S474)]	
mTOR_[Raptor]_ppi+_Raptor_[mTOR]		
mitogen_[EGFR]_ppi+_EGFR_[mitogen]		
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_[(S474)]--(p)	
	AKT2_[(T309)]--(0)	
	AKT2_[(T309)]--(p)	
	AKT2_[PI]--0	
	AKT2_[PI]--PI_[PH]	
	EGFR_[mitogen]--0	
EGFR_[mitogen]--mitogen_[EGFR]		
	EIF4EBP1_[(Ser65)]--(p)	
	EIF4EBP1_[(Thr37)]--(p)	
	EIF4EBP1_[(Thr46)]--(p)	
	EIF4EBP1_[(Thr70)]--(p)	
	EIF4EBP1_[A001]--0	
	GTP	
	IRS_[(RTK)]--(0)	
	IRS_[(RTK)]--(p)	
	IRS_[pY]--0	
IRS_[pY]--PI3K_[SH2]		
	PDK1	
	PI3K_[SH2]--0	
	PI_[(3)]--(0)	
	PI_[(3)]--(p)	
	PI_[(4)]--(0)	
	PI_[(4)]--(p)	
	PI_[(5)]--(0)	
	PI_[(5)]--(p)	
	PI_[PH]--0	
	PPM1G_[(AKT2)]--(p)	
	RHEB_[(G)]--(gtp)	
	RHEB_[switch1DSYDPTIEN]--0	
RHEB_[switch1DSYDPTIEN]--mTOR_[FATf..2f..3]		
	RHEB_[switch1]--0	
RHEB_[switch1]--mTOR_[Mheatm..2m..3m..4]		
RHEB_[switch2GQDEYSIFPQTYSIDIN]--0		
RHEB_[switch2GQDEYSIFPQTYSIDIN]--mTOR_[Nheatn..3ton..7]		
	RTK	
Raptor_[mTOR]--mTOR_[Raptor]		
	TSC1_[Cterminus]--0	
	TSC2_[(Ser1130)]--(0)	
	TSC2_[(Ser1130)]--(p)	
	TSC2_[(Ser939)]--(0)	
	TSC2_[(Ser939)]--(p)	
	TSC2_[(Ser981)]--(0)	
	TSC2_[(Ser981)]--(p)	
	TSC2_[(Thr1462)]--(0)	
	TSC2_[(Thr1462)]--(p)	
	TSC2_[Nterminus]--0	
	[EGFR]	
	[EIF4EBP1]	
	[Raptor]	
	[activatedEGFR]	
	[activatedPI3K]	
	[eIF4E]	
	[eIF4G]	
	[mTOR]	
	[mitogen]	
	eIF4E_[A001]--0	
eIF4E_[A001]--eIF4G_[A002]		
	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	
	PPM1G_p-_EIF4EBP1_[(Ser65)]-	
	PPM1G_p-_EIF4EBP1_[(Thr37)]-	
	PPM1G_p-_EIF4EBP1_[(Thr46)]-	
	PPM1G_p-_EIF4EBP1_[(Thr70)]-	
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]		
	TSC2_gap_RHEB_[(G)]-	
eIF4E_[A001]_ppi+_EIF4EBP1_[A001]		
mTORC1_p+_EIF4EBP1_[(Ser65)]-		
mTORC1_p+_EIF4EBP1_[(Thr37)]-		
mTORC1_p+_EIF4EBP1_[(Thr46)]-		
mTORC1_p+_EIF4EBP1_[(Thr70)]-		
	un_p-_PPM1G_[(AKT2)]-	
	EIF4EBP1_[(Ser65)]--(0)-	
	EIF4EBP1_[(Thr37)]--(0)-	
	EIF4EBP1_[(Thr46)]--(0)-	
	EIF4EBP1_[(Thr70)]--(0)-	
EIF4EBP1_[A001]--eIF4E_[A001]		
	PPM1G_[(AKT2)]--(0)-	
	RHEB_[(G)]--(0)-	
	Raptor_[mTOR]--0-	
TSC1_[Cterminus]--TSC2_[Nterminus]		
	mTOR_[Raptor]--0-	