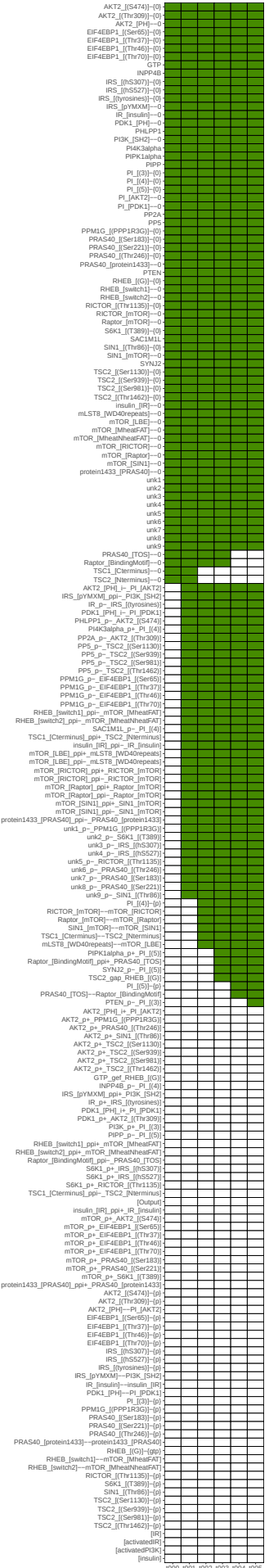
AKT2_[(S474)]~{0}
AKT2_[(Thr309)]~{0}
AKT2_[PH]~~0
EIF4EBP1_[(Ser65)]~{0}
EIF4EBP1_[(Thr37)]~{0}
EIF4EBP1_[(Thr46)]~{0}
EIF4EBP1_[(Thr70)]~{0}
GTP
INPP4B
IRS_[(hS307)]~{0}
IRS_[(hS527)]~{0}
IRS_[(tyrosines)]~{0}
IRS_[pYMXM]~~0
IR_[insulin]~~0
PDK1_[PH]~~0
PHLPP1
PI3K_[SH2]~~0
PI4K3alpha
PIPK1alpha
PIPP
PI_[(3)]~{0}
PI_[(4)]~{0}
PI_[(5)]~{0}
PI_[AKT2]~~0
PI_[PDK1]~~0
PP2A
PP5
PPM1G_[(PPP1R3G)]~{0}
PRAS40_[(Ser183)]~{0}
PRAS40_[(Ser221)]~{0}
PRAS40_[(Thr246)]~{0}
PRAS40_[protein1433]~~0
PTEN
RHEB_[(G)]~{0}
RHEB_[switch1]~~0
RHEB_[switch2]~~0
RICTOR_[(Thr1135)]~{0}
RICTOR_[mTOR]~~0
Raptor_[mTOR]~~0
S6K1_[(T389)]~{0}
SAC1M1L
SIN1_[(Thr86)]~{0}
SIN1_[mTOR]~~0
SYNJ2
TSC2_[(Ser1130)]~{0}
TSC2_[(Ser939)]~{0}
TSC2_[(Ser981)]~{0}
TSC2_[(Thr1462)]~{0}
insulin_[IR]~~0
mLST8_[WD40repeats]~~0
mTOR_[LBE]~~0
mTOR_[MheatFAT]~~0
mTOR_[MheatNheatFAT]~~0
mTOR_[RICTOR]~~0
mTOR_[Raptor]~~0
mTOR_[SIN1]~~0
protein1433_[PRAS40]~~0
unk1
unk2
unk3
unk4
unk5
unk6
unk7
unk8
unk9
PRAS40_[TOS]~~0
Raptor_[BindingMotif]~~0
TSC1_[Cterminus]~~0
TSC2_[Nterminus]~~0
AKT2_[PH]_i~_PI_[AKT2]
IRS_[pYMXM]_ppi~_PI3K_[SH2]
IR_p~_IRS_[(tyrosines)]
PDK1_[PH]_i~_PI_[PDK1]
PHLPP1_p~_AKT2_[(S474)]
PI4K3alpha_p+_PI_[(4)]
PP2A_p~_AKT2_[(Thr309)]
PP5_p~_TSC2_[(Ser1130)]
PP5_p~_TSC2_[(Ser939)]
PP5_p~_TSC2_[(Ser981)]
PP5_p~_TSC2_[(Thr1462)]
PPM1G_p~_EIF4EBP1_[(Ser65)]
PPM1G_p~_EIF4EBP1_[(Thr37)]
PPM1G_p~_EIF4EBP1_[(Thr46)]
PPM1G_p~_EIF4EBP1_[(Thr70)]
RHEB_[switch1]_ppi~_mTOR_[MheatFAT]
RHEB_[switch2]_ppi~_mTOR_[MheatNheatFAT]
SAC1M1L_p~_PI_[(4)]
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]
insulin_[IR]_ppi~_IR_[insulin]
mTOR_[LBE]_ppi+_mLST8_[WD40repeats]
mTOR_[LBE]_ppi~_mLST8_[WD40repeats]
mTOR_[RICTOR]_ppi+_RICTOR_[mTOR]
mTOR_[RICTOR]_ppi~_RICTOR_[mTOR]
mTOR_[Raptor]_ppi+_Raptor_[mTOR]
mTOR_[Raptor]_ppi~_Raptor_[mTOR]
mTOR_[SIN1]_ppi+_SIN1_[mTOR]
mTOR_[SIN1]_ppi~_SIN1_[mTOR]
protein1433_[PRAS40]_ppi~_PRAS40_[protein1433]
unk1_p~_PPM1G_[(PPP1R3G)]
unk2_p~_S6K1_[(T389)]
unk3_p~_IRS_[(hS307)]
unk4_p~_IRS_[(hS527)]
unk5_p~_RICTOR_[(Thr1135)]
unk6_p~_PRAS40_[(Thr246)]
unk7_p~_PRAS40_[(Ser183)]
unk8_p~_PRAS40_[(Ser221)]
unk9_p~_SIN1_[(Thr86)]
PI_[(4)]~{p}
RICTOR_[mTOR]~~mTOR_[RICTOR]
Raptor_[mTOR]~~mTOR_[Raptor]
SIN1_[mTOR]~~mTOR_[SIN1]
TSC1_[Cterminus]~~TSC2_[Nterminus]
mLST8_[WD40repeats]~~mTOR_[LBE]
PIPK1alpha_p+_PI_[(5)]
Raptor_[BindingMotif]_ppi+_PRAS40_[TOS]
SYNJ2_p~_PI_[(5)]
TSC2_gap_RHEB_[(G)]
PI_[(5)]~{p}
PRAS40_[TOS]~~Raptor_[BindingMotif]
PTEN_p~_PI_[(3)]
AKT2_[PH]_i+_PI_[AKT2]
AKT2_p+_PPM1G_[(PPP1R3G)]
AKT2_p+_PRAS40_[(Thr246)]
AKT2_p+_SIN1_[(Thr86)]
AKT2_p+_TSC2_[(Ser1130)]
AKT2_p+_TSC2_[(Ser939)]
AKT2_p+_TSC2_[(Ser981)]
AKT2_p+_TSC2_[(Thr1462)]
GTP_gef_RHEB_[(G)]
INPP4B_p~_PI_[(4)]
IRS_[pYMXM]_ppi+_PI3K_[SH2]
IR_p+_IRS_[(tyrosines)]
PDK1_[PH]_i+_PI_[PDK1]
PDK1_p+_AKT2_[(Thr309)]
PI3K_p+_PI_[(3)]
PIPP_p~_PI_[(5)]
RHEB_[switch1]_ppi+_mTOR_[MheatFAT]
RHEB_[switch2]_ppi+_mTOR_[MheatNheatFAT]
Raptor_[BindingMotif]_ppi~_PRAS40_[TOS]
S6K1_p+_IRS_[(hS307)]
S6K1_p+_IRS_[(hS527)]
S6K1_p+_RICTOR_[(Thr1135)]
TSC1_[Cterminus]_ppi~_TSC2_[Nterminus]
[Output]
insulin_[IR]_ppi+_IR_[insulin]
mTOR_p+_AKT2_[(S474)]
mTOR_p+_EIF4EBP1_[(Ser65)]
mTOR_p+_EIF4EBP1_[(Thr37)]
mTOR_p+_EIF4EBP1_[(Thr46)]
mTOR_p+_EIF4EBP1_[(Thr70)]
mTOR_p+_PRAS40_[(Ser183)]
mTOR_p+_PRAS40_[(Ser221)]
mTOR_p+_S6K1_[(T389)]
protein1433_[PRAS40]_ppi+_PRAS40_[protein1433]
AKT2_[(S474)]~{p}
AKT2_[(Thr309)]~{p}
AKT2_[PH]~~PI_[AKT2]
EIF4EBP1_[(Ser65)]~{p}
EIF4EBP1_[(Thr37)]~{p}
EIF4EBP1_[(Thr46)]~{p}
EIF4EBP1_[(Thr70)]~{p}
IRS_[(hS307)]~{p}
IRS_[(hS527)]~{p}
IRS_[(tyrosines)]~{p}
IRS_[pYMXM]~~PI3K_[SH2]
IR_[insulin]~~insulin_[IR]
PDK1_[PH]~~PI_[PDK1]
PI_[(3)]~{p}
PPM1G_[(PPP1R3G)]~{p}
PRAS40_[(Ser183)]~{p}
PRAS40_[(Ser221)]~{p}
PRAS40_[(Thr246)]~{p}
PRAS40_[protein1433]~~protein1433_[PRAS40]
RHEB_[(G)]~{gtp}
RHEB_[switch1]~~mTOR_[MheatFAT]
RHEB_[switch2]~~mTOR_[MheatNheatFAT]
RICTOR_[(Thr1135)]~{p}
S6K1_[(T389)]~{p}
SIN1_[(Thr86)]~{p}
TSC2_[(Ser1130)]~{p}
TSC2_[(Ser939)]~{p}
TSC2_[(Ser981)]~{p}
TSC2_[(Thr1462)]~{p}
[IR]
[activatedIR]
[activatedPI3K]
[insulin]
t000
t001
t002
t003
t004
t005