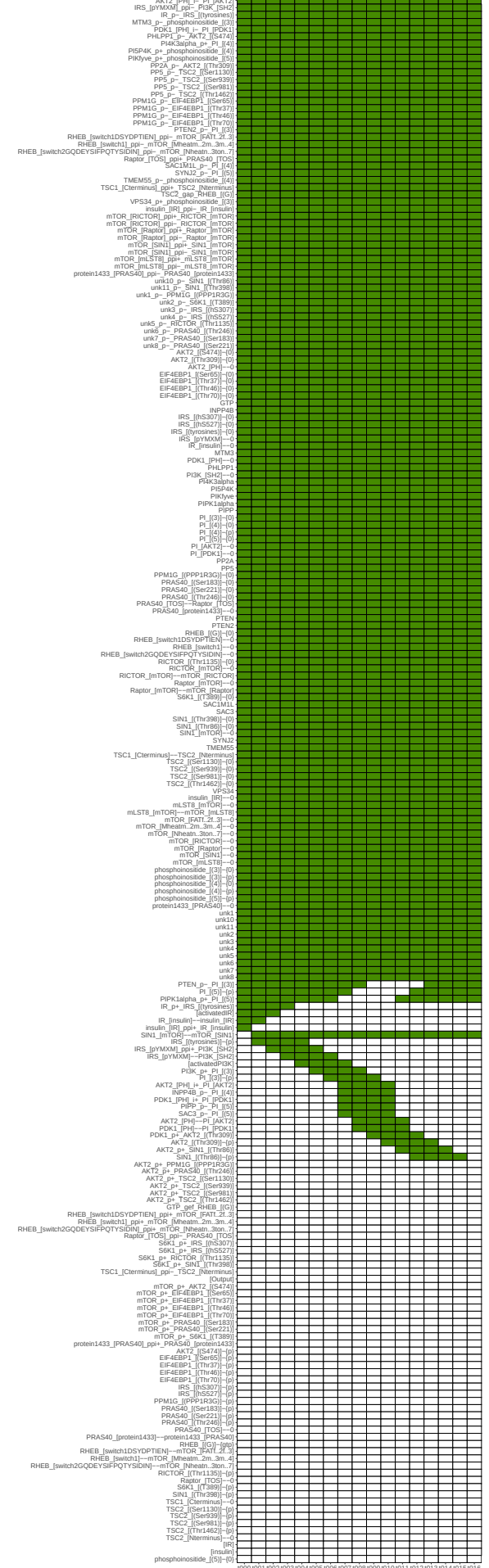
AKT2_[PH]_p+_PI_[AKT2]
IRS_[pYMXM]_ppi+_PI3K_[SH2]
IR_p+_IRS_[(tyrosines)]
MTM3_p+_phosphoinositide_[(3)]
PDK1_[PH]_i+_PI_[PDK1]
PHLPP1_p+_AKT2_[(S474)]
PI4K3alpha_p+_PI_[4]
PI5P4K_p+_phosphoinositide_[(4)]
PIKfyve_p+_phosphoinositide_[(5)]
PP2A_p+_AKT2_[(Thr309)]
PP5_p+_TSC2_[(Ser1130)]
PP5_p+_TSC2_[(Ser939)]
PP5_p+_TSC2_[(Ser981)]
PP5_p+_TSC2_[(Thr1462)]
PPM1G_p+_EIF4EBP1_[(Ser65)]
PPM1G_p+_EIF4EBP1_[(Thr37)]
PPM1G_p+_EIF4EBP1_[(Thr46)]
PPM1G_p+_EIF4EBP1_[(Thr70)]
PTEN2_p+_PI_[(3)]
RHEB_[switch1DSYDPTIEN]_ppi+_mTOR_[FATI_2f_3]
RHEB_[switch1]_ppi+_mTOR_[Mheatm_2m_3m_4]
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi+_mTOR_[Nheatn_3ton_7]
Raptor_[TOS]_ppi+_PRAS40_[TOS]
SAC1M1L_p+_PI_[4]
SYNJ2_p+_PI_[5]
TMEM55_p+_phosphoinositide_[(4)]
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]
TSC2_gap_RHEB_[(G)]
VPS34_p+_phosphoinositide_[(3)]
insulin_[IR]_ppi+_IR_[insulin]
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]
mTOR_[mLST8]_ppi+_mLST8_[mTOR]
mTOR_[mLST8]_ppi+_mLST8_[mTOR]
protein1433_[PRAS40]_ppi+_PRAS40_[protein1433]
unk10_p+_SIN1_[(Thr86)]
unk11_p+_SIN1_[(Thr398)]
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)]
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)]+{p}
IRS_[(hS527)]+{p}
IRS_[(tyrosines)]+{p}
IRS_[pYMXM]+{p}
IR_[insulin]+{p}
MTM3
PDK1_[PH]+{p}
PHLPP1
PI3K_[SH2]+{p}
PI4K3alpha
PI5P4K
PIKfyve
PIPK1alpha
PIP5
PI_[(3)]+{p}
PI_[(4)]+{p}
PI_[(4)]+{p}
PI_[(5)]+{p}
PI_[AKT2]+{p}
PI_[PDK1]+{p}
PP2A
PP5
PPM1G_[(PPP1R3G)]+{p}
PRAS40_[(Ser183)]+{p}
PRAS40_[(Ser221)]+{p}
PRAS40_[(Thr246)]+{p}
PRAS40_[TOS]+Raptor_[TOS]
PRAS40_[protein1433]+{p}
PTEN
PTEN2
RHEB_[(G)]+{p}
RHEB_[switch1DSYDPTIEN]+{p}
RHEB_[switch1]+{p}
RHEB_[switch2GQDEYSIFPQTYSIDIN]+{p}
RICTOR_[(Thr1135)]+{p}
RICTOR_[mTOR]+{p}
RICTOR_[mTOR]+mTOR_[RICTOR]
Raptor_[mTOR]+{p}
Raptor_[mTOR]+mTOR_[Raptor]
S6K1_[(T389)]+{p}
SAC1M1L
SAC3
SIN1_[(Thr398)]+{p}
SIN1_[(Thr86)]+{p}
SIN1_[mTOR]+{p}
SYNJ2
TMEM55
TSC1_[Cterminus]+TSC2_[Nterminus]
TSC2_[(Ser1130)]+{p}
TSC2_[(Ser939)]+{p}
TSC2_[(Ser981)]+{p}
TSC2_[(Thr1462)]+{p}
VPS34
insulin_[IR]+{p}
mLST8_[mTOR]+{p}
mLST8_[mTOR]+mTOR_[mLST8]
mTOR_[FATI_2f_3]+{p}
mTOR_[Mheatm_2m_3m_4]+{p}
mTOR_[Nheatn_3ton_7]+{p}
mTOR_[RICTOR]+{p}
mTOR_[Raptor]+{p}
mTOR_[SIN1]+{p}
mTOR_[mLST8]+{p}
phosphoinositide_[(3)]+{p}
phosphoinositide_[(3)]+{p}
phosphoinositide_[(4)]+{p}
phosphoinositide_[(4)]+{p}
phosphoinositide_[(5)]+{p}
protein1433_[PRAS40]+{p}
unk1
unk10
unk11
unk2
unk3
unk4
unk5
unk6
unk7
unk8
PTEN_p+_PI_[(3)]
PI_[(5)]+{p}
PIPK1alpha_p+_PI_[(5)]
IR_p+_IRS_[(tyrosines)]
[activatedIR]
IR_[insulin]+insulin_[IR]
insulin_[IR]_ppi+_IR_[insulin]
SIN1_[mTOR]+mTOR_[SIN1]
IRS_[(tyrosines)]+{p}
IRS_[pYMXM]_ppi+_PI3K_[SH2]
IRS_[pYMXM]+PI3K_[SH2]
[activatedPI3K]
PI3K_p+_PI_[(3)]
PI_[(3)]+{p}
AKT2_[PH]_i+_PI_[AKT2]
INPP4B_p+_PI_[(4)]
PDK1_[PH]_i+_PI_[PDK1]
PIPP_p+_PI_[(5)]
SAC3_p+_PI_[(5)]
AKT2_[PH]+PI_[AKT2]
PDK1_[PH]+PI_[PDK1]
PDK1_p+_AKT2_[(Thr309)]
AKT2_[(Thr309)]+{p}
AKT2_p+_SIN1_[(Thr86)]
SIN1_[(Thr86)]+{p}
AKT2_p+_PPM1G_[(PPP1R3G)]
AKT2_p+_PRAS40_[(Thr246)]
AKT2_p+_TSC2_[(Ser1130)]
AKT2_p+_TSC2_[(Ser939)]
AKT2_p+_TSC2_[(Ser981)]
AKT2_p+_TSC2_[(Thr1462)]
GTP_gef_RHEB_[(G)]
RHEB_[switch1DSYDPTIEN]_ppi+_mTOR_[FATI_2f_3]
RHEB_[switch1]_ppi+_mTOR_[Mheatm_2m_3m_4]
RHEB_[switch2GQDEYSIFPQTYSIDIN]_ppi+_mTOR_[Nheatn_3ton_7]
Raptor_[TOS]_ppi+_PRAS40_[TOS]
S6K1_p+_IRS_[(hS307)]
S6K1_p+_IRS_[(hS527)]
S6K1_p+_RICTOR_[(Thr1135)]
S6K1_p+_SIN1_[(Thr398)]
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]
[Output]
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}
EIF4EBP1_[(Ser65)]+{p}
EIF4EBP1_[(Thr37)]+{p}
EIF4EBP1_[(Thr46)]+{p}
EIF4EBP1_[(Thr70)]+{p}
IRS_[(hS307)]+{p}
IRS_[(hS527)]+{p}
PPM1G_[(PPP1R3G)]+{p}
PRAS40_[(Ser183)]+{p}
PRAS40_[(Ser221)]+{p}
PRAS40_[(Thr246)]+{p}
PRAS40_[TOS]+{0}
PRAS40_[protein1433]+protein1433_[PRAS40]
RHEB_[(G)]+{p}
RHEB_[switch1DSYDPTIEN]+mTOR_[FATI_2f_3]
RHEB_[switch1]+mTOR_[Mheatm_2m_3m_4]
RHEB_[switch2GQDEYSIFPQTYSIDIN]+mTOR_[Nheatn_3ton_7]
RICTOR_[(Thr1135)]+{p}
Raptor_[TOS]+{0}
S6K1_[(T389)]+{p}
SIN1_[(Thr398)]+{p}
TSC1_[Cterminus]+{0}
TSC2_[(Ser1130)]+{p}
TSC2_[(Ser939)]+{p}
TSC2_[(Ser981)]+{p}
TSC2_[(Thr1462)]+{p}
TSC2_[Nterminus]+{0}
[IR]
[insulin]
phosphoinositide_[(5)]+{0}
t000 t001 t002 t003 t004 t005 t006 t007 t008 t009 t010 t011 t012 t013 t014 t015 t016