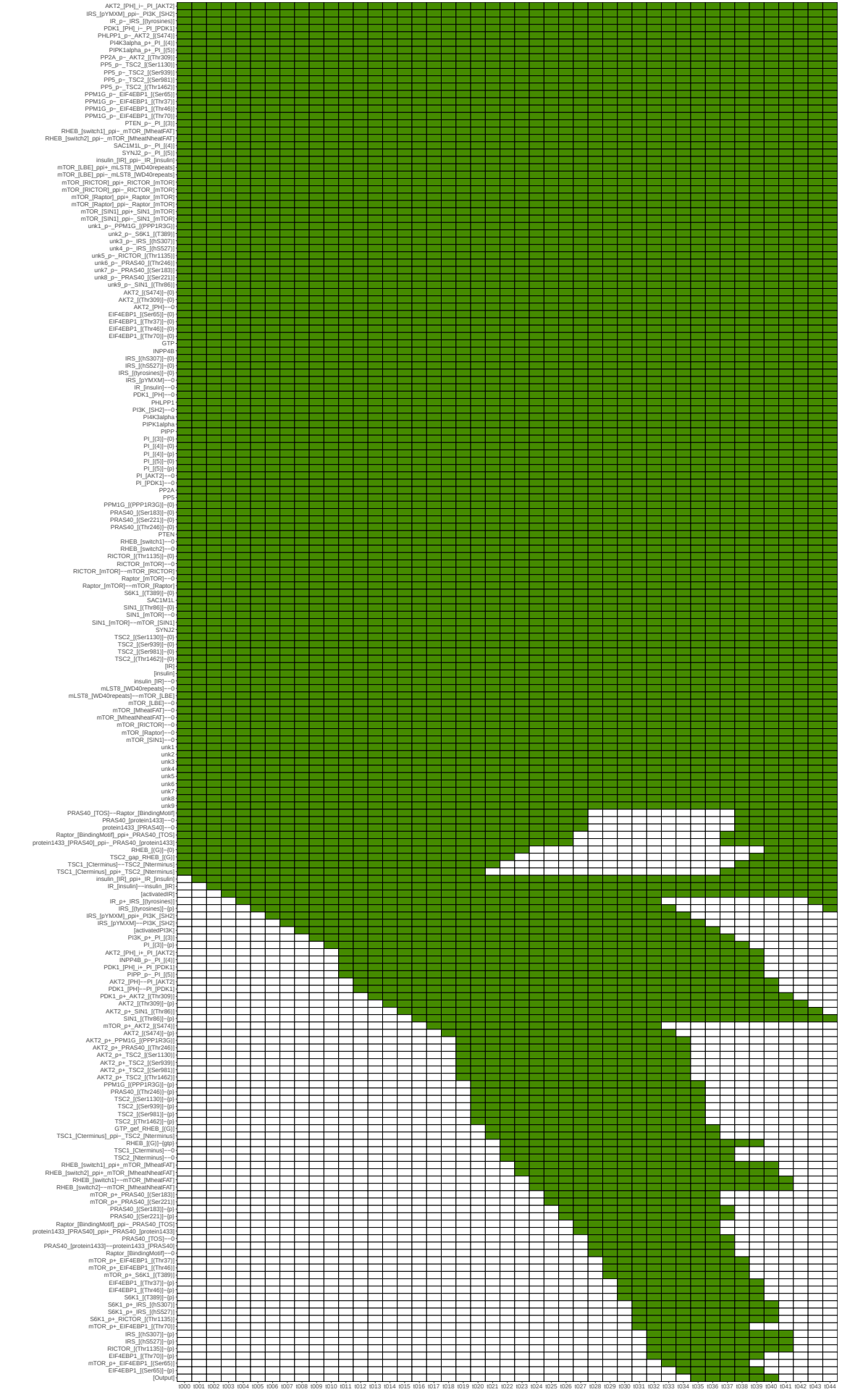
AKT2_[PH]_i–_PI_[AKT2]
IRS_[pYMXM]_ppi–_PI3K_[SH2]
IR_p–_IRS_[tyrosines]
PDK1_[PH]_i–_PI_[PDK1]
PHLPP1_p–_AKT2_[(S474)]
PI4K3alpha_p+_PI_[(4)]
PIPK1alpha_p+_PI_[(5)]
PP2A_p–_AKT2_[(Thr309)]
PP5_p–_TSC2_[(Ser1130)]
PP5_p–_TSC2_[(Ser939)]
PP5_p–_TSC2_[(Ser981)]
PP5_p–_TSC2_[(Thr1462)]
PPM1G_p–_EIF4EBP1_[(Ser65)]
PPM1G_p–_EIF4EBP1_[(Thr37)]
PPM1G_p–_EIF4EBP1_[(Thr46)]
PPM1G_p–_EIF4EBP1_[(Thr70)]
PTEN_p–_PI_[(3)]
RHEB_[switch1]_ppi–_mTOR_[MheatFAT]
RHEB_[switch2]_ppi–_mTOR_[MheatNheatFAT]
SAC1M1L_p–_PI_[(4)]
SYNJ2_p–_PI_[(5)]
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]
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)]
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_[(4)]–{p}
PI_[(5)]–{0}
PI_[(5)]–{p}
PI_[AKT2]–{0}
PI_[PDK1]–{0}
PP2A
PP5
PPM1G_[(PPP1R3G)]–{0}
PRAS40_[(Ser183)]–{0}
PRAS40_[(Ser221)]–{0}
PRAS40_[(Thr246)]–{0}
PTEN
RHEB_[switch1]–{0}
RHEB_[switch2]–{0}
RICTOR_[(Thr1135)]–{0}
RICTOR_[mTOR]–{0}
RICTOR_[mTOR]–mTOR_[RICTOR]
Raptor_[mTOR]–{0}
Raptor_[mTOR]–mTOR_[Raptor]
S6K1_[(T389)]–{0}
SAC1M1L
SIN1_[(Thr86)]–{0}
SIN1_[mTOR]–{0}
SIN1_[mTOR]–mTOR_[SIN1]
SYNJ2
TSC2_[(Ser1130)]–{0}
TSC2_[(Ser939)]–{0}
TSC2_[(Ser981)]–{0}
TSC2_[(Thr1462)]–{0}
[IR]
[insulin]
insulin_[IR]–{0}
mLST8_[WD40repeats]–{0}
mLST8_[WD40repeats]–mTOR_[LBE]
mTOR_[LBE]–{0}
mTOR_[MheatFAT]–{0}
mTOR_[MheatNheatFAT]–{0}
mTOR_[RICTOR]–{0}
mTOR_[Raptor]–{0}
mTOR_[SIN1]–{0}
unk1
unk2
unk3
unk4
unk5
unk6
unk7
unk8
unk9
PRAS40_[TOS]–Raptor_[BindingMotif]
PRAS40_[protein1433]–{0}
protein1433_[PRAS40]–{0}
Raptor_[BindingMotif]_ppi+_PRAS40_[TOS]
protein1433_[PRAS40]_ppi–_PRAS40_[protein1433]
RHEB_[(G)]–{0}
TSC2_gap_RHEB_[(G)]
TSC1_[Cterminus]–TSC2_[Nterminus]
TSC1_[Cterminus]_ppi+_TSC2_[Nterminus]
insulin_[IR]_ppi+_IR_[insulin]
IR_[insulin]–insulin_[IR]
[activatedIR]
IR_p+_IRS_[tyrosines]
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)]
AKT2_[PH]–PI_[AKT2]
PDK1_[PH]–PI_[PDK1]
PDK1_p+_AKT2_[(Thr309)]
AKT2_[(Thr309)]–{p}
AKT2_p+_SIN1_[(Thr86)]
SIN1_[(Thr86)]–{p}
mTOR_p+_AKT2_[(S474)]
AKT2_[(S474)]–{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)]
PPM1G_[(PPP1R3G)]–{p}
PRAS40_[(Thr246)]–{p}
TSC2_[(Ser1130)]–{p}
TSC2_[(Ser939)]–{p}
TSC2_[(Ser981)]–{p}
TSC2_[(Thr1462)]–{p}
GTP_gef_RHEB_[(G)]
TSC1_[Cterminus]_ppi–_TSC2_[Nterminus]
RHEB_[(G)]–{gtp}
TSC1_[Cterminus]–{0}
TSC2_[Nterminus]–{0}
RHEB_[switch1]_ppi+_mTOR_[MheatFAT]
RHEB_[switch2]_ppi+_mTOR_[MheatNheatFAT]
RHEB_[switch1]–mTOR_[MheatFAT]
RHEB_[switch2]–mTOR_[MheatNheatFAT]
mTOR_p+_PRAS40_[(Ser183)]
mTOR_p+_PRAS40_[(Ser221)]
PRAS40_[(Ser183)]–{p}
PRAS40_[(Ser221)]–{p}
Raptor_[BindingMotif]_ppi–_PRAS40_[TOS]
protein1433_[PRAS40]_ppi+_PRAS40_[protein1433]
PRAS40_[TOS]–{0}
PRAS40_[protein1433]–protein1433_[PRAS40]
Raptor_[BindingMotif]–{0}
mTOR_p+_EIF4EBP1_[(Thr37)]
mTOR_p+_EIF4EBP1_[(Thr46)]
mTOR_p+_S6K1_[(T389)]
EIF4EBP1_[(Thr37)]–{p}
EIF4EBP1_[(Thr46)]–{p}
S6K1_[(T389)]–{p}
S6K1_p+_IRS_[(hS307)]
S6K1_p+_IRS_[(hS527)]
S6K1_p+_RICTOR_[(Thr1135)]
mTOR_p+_EIF4EBP1_[(Thr70)]
IRS_[(hS307)]–{p}
IRS_[(hS527)]–{p}
RICTOR_[(Thr1135)]–{p}
EIF4EBP1_[(Thr70)]–{p}
mTOR_p+_EIF4EBP1_[(Ser65)]
EIF4EBP1_[(Ser65)]–{p}
[Output]
t000 t001 t002 t003 t004 t005 t006 t007 t008 t009 t010 t011 t012 t013 t014 t015 t016 t017 t018 t019 t020 t021 t022 t023 t024 t025 t026 t027 t028 t029 t030 t031 t032 t033 t034 t035 t036 t037 t038 t039 t040 t041 t042 t043 t044