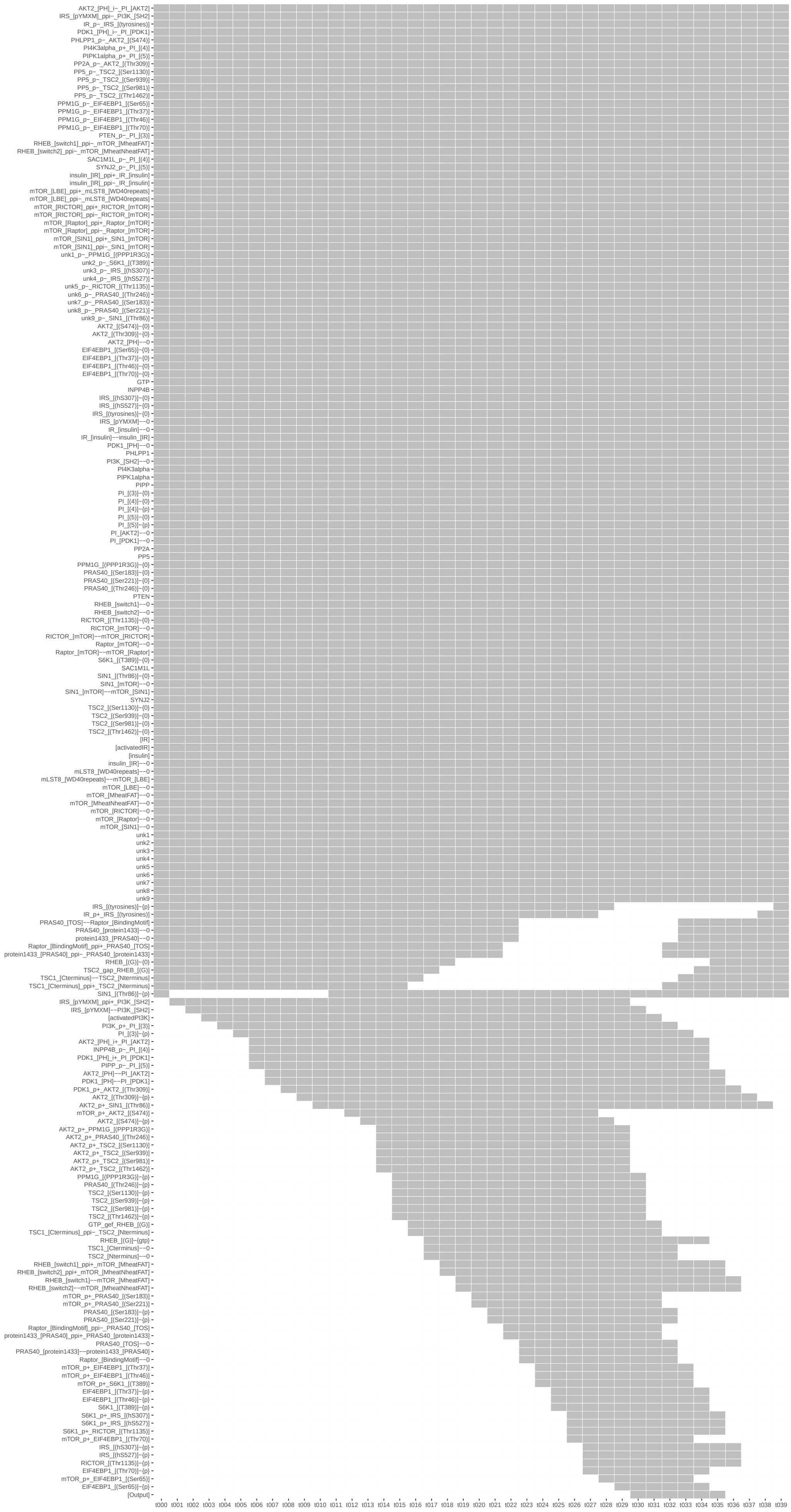
AKT2_[PH]_i−_PI_[AKT2]
IRS_[pYMXM]_ppi−_PI3K_[SH2]
IR_p−_IRS_[(tyrosines)]
PDK1_[PH]_i−_PI_[PDK1]
PHLPP1_p−_AKT2_[(S474)]
PI4K3alpha_p+_PI_[(4)]
PIPK1alpha_p+_PI_[(5)]
PP2A_p−_AKT2_[(Thr309)]
PP5_p−_TSC2_[(Ser1130)]
PP5_p−_TSC2_[(Ser939)]
PP5_p−_TSC2_[(Ser981)]
PP5_p−_TSC2_[(Thr1462)]
PPM1G_p−_EIF4EBP1_[(Ser65)]
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]
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
IR_[insulin]−−insulin_[IR]
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]
[activatedIR]
[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
IRS_[(tyrosines)]−{p}
IR_p+_IRS_[(tyrosines)]
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]
SIN1_[(Thr86)]−{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)]
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