		+ 0 50 01	1 54	+ 50 + 50	. 54 . 55	+ FC	1 57 1 50	+ 50 + 60	1 64	+ CO + CO	+ 64	1 65 1 66	. 67	1 60 1 6	0 + 70
IR]	t = 0 - 5 OFF	t = 6 - 50 ON	t = 51	t = 52 t = 53	t = 54 t = 55	t = 56	t = 57  t = 58	t = 59 t = 60	τ = σι	t = 62 t = 63	τ = 64	1 = 00 1 = 00	t = 67	t = 68 $t = 69$	9 1 = 70
insulin]															
PRAS40_[TOS]Raptor_[BindingMotif]															
PRAS40_[protein1433]0															
protein1433_[PRAS40]0															
Raptor_[BindingMotif]_ppi+_PRAS40_[TOS]															
protein1433_[PRAS40]_ppiPRAS40_[protein1433]															
RHEB_[(G)]-{0}															
SC2_gap_RHEB_[(G)]															
SC1_[Cterminus]TSC2_[Nterminus]															
SC1_[Cterminus]_ppi+_TSC2_[Nterminus]															
nsulin_[IR]_ppi+_IR_[insulin]															
R_[insulin]insulin_[IR]															
activatedIR]															
R_p+_IRS_[(tyrosines)]															
RS_[(tyrosines)]-{p}															
RS_[pYMXM]_ppi+_Pl3K_[SH2]															
RS_[pYMXM]PI3K_[SH2]															
activatedPI3K]															
PI3K_p+_PI_[(3)]															
PI_[(3)]-{p}															
KT2_[PH]_i+_PI_[AKT2]											_				
NPP4B_pPI_[(4)]															
PDK1_[PH]_i+_PI_[PDK1]															
PIPP_pPI_[(5)]															
KT2_[PH]PI_[AKT2]															
PDK1_[PH]PI_[PDK1]															
PDK1_p+_AKT2_[(Thr309)]															
KT2_[(Thr309)]-{p}															
AKT2_p+_SIN1_[(Thr86)]															
SIN1_[(Thr86)]-{p}															
nTOR_p+_AKT2_[(S474)]															
KT2_[(\$474)]-{p}															
KT2_p+_PPM1G_[(PPP1R3G)]															
AKT2_p+_PRAS40_[(Thr246)]															
KT2_p+_TSC2_[(Ser1130)]															
NKT2_p+_TSC2_[(Ser939)]															
NKT2_p+_TSC2_[(Ser981)]															
NKT2_p+_TSC2_[(Thr1462)]															
PPM1G_[(PPP1R3G)]-{p}															
PRAS40_[(Thr246)]-{p}															
'SC2_[(Ser1130)]-{p}															
SC2_[(Ser939)]-{p}															
SC2_[(Ser981)]-{p}															
SC2_[(Thr1462)]-{p}															
GTP_gef_RHEB_[(G)]															
SC1_[Cterminus]_ppiTSC2_[Nterminus]															
RHEB_[(G)]-{gtp}															
SC1_[Cterminus]0															
SC2_[Nterminus]0															
RHEB_[switch1]_ppi+_mTOR_[MheatFAT]															
RHEB_[switch2]_ppi+_mTOR_[MheatNheatFAT]															
RHEB_[switch1]mTOR_[MheatFAT]															
RHEB_[switch2]mTOR_[MheatNheatFAT]															
nTOR_p+_PRAS40_[(Ser183)]															
nTOR_p+_PRAS40_[(Ser221)]															
PRAS40_[(Ser183)]-{p}															
PRAS40_[(Ser221)]-{p}															
Raptor_[BindingMotif]_ppiPRAS40_[TOS]															
protein1433_[PRAS40]_ppi+_PRAS40_[protein1433]															
PRAS40_[TOS]0															
PRAS40_[protein1433]protein1433_[PRAS40]															
Raptor_[BindingMotif]0															
nTOR_p+_EIF4EBP1_[(Thr37)]															
nTOR_p+_EIF4EBP1_[(Thr46)]															
nTOR_p+_S6K1_[(T389)]															
IF4EBP1_[(Thr37)]-{p}															
F4EBP1_[(Thr46)]-{p}															
6K1_[(T389)]-{p}															
6K1_p+_IRS_[(hS307)]															
6K1_p+_IRS_[(hS527)]															
66K1_p+_RICTOR_[(Thr1135)]															
nTOR_p+_EIF4EBP1_[(Thr70)]															
RS_[(hS307)]-{p}															
RS_[(hS527)]-{p}															
	I		l												
RICTOR_[(Thr1135)]-{p}	l							ļ							
EIF4EBP1_[(Thr70)]-{p}															