Table S2: Initial Conditions of all Reaction Species within the Model

Species	Initial Condition (nM)
IFN	0, 1, 10
R	0, 1, 10
JAK	0, 1, 10
RJ	0
IFNRJ	0
IFNRJ2	0
IFNRJ2_P	0
STAT1c	1000
STAT1c_P	0
IFNRJ2_P_STAT1c	0
IFNRJ2_P_STAT1c_P	0
STAT1c_P_STAT1c_P	0
SHP2	100
IFNRJ2_P_SHP2	0
PPX	50
PPX_STAT1c_P	0
PPX_STAT1c_P_STAT1c_P	0
STAT1c_STAT1c_P	0
STAT1n_P_STAT1n_P	0
STAT1n_P	0
PPN	60
PPN_STAT1n_P	0
PPN_STAT1n_P_STAT1n_P	0
STAT1n_STAT1n_P	0
STAT1n	0
SOCS1_mRNAn	0
SOCS1_mRNAc	0
SOCS1	0
IFNRJ2_P_SOCS1	0
IFNRJ2_P_SOCS1_STAT1c	0
IFNRJ2_P_SOCS1_STAT1c_SHP2	0
IFNRJ2_P_STAT1c_SHP2	0
IFNRJ2_P_SOCS1_SHP2	0
IFNR	0
LPS	0, 308
CD14	(LPS/100)
LBP	0, 308
MD2	(LPS/100)
LPS_CD14	0
LPS_LBP	0
TLR4_MD2	0
TLR4	(LPS/100)
AC1	0
AC2	0
PI3K	10
AC_PI3K	0
PI3K_P	0
PDK1	10
PI3K_P_PDK1	0
PDK1_P	0
PKC	10
PDK1_P_PKC	0
PKC_P	0
PCPLC	10
PKC_P_PCPLC	0
PCPLC_P	0

Asmase	10
PCPLC_P_Asmase	0
Asmase_star	0
Sphingomyelin	100
Ceremide	0
TAK1	10
Ceremide_TAK1	0
TAK1_P	0
SEK1	10
TAK1_P_SEK1	0
SEK1_P	0
TAK1_P_SEK1_P	0
SEK1_PP	0
JNK	10
SEK1_PP_JNK	0
JNK_P	0
SEK1_PP_JNK_P	0
JNK_PP	0
AP1	0
MKP1	50
JNK_P_MKP1	0
JNK_PP_MKP1	0
MKP5	0
JNK_P_MKP5	0
JNK_PP_MKP5	0
IKK	10
TAK1_P_IKK	0
IKK_P	0
IkBa	0
NFkBc	0
IkBa_NFkBc	100
IKK_P_IkBa_NFkBc	0
NFkBn	0
IkBa_mRNAn	0
IkBa_mRNAc	0
IRF1_mRNAn	0
IRF1_mRNAc	0
IRF1n	0
IRF1c	0
TNFalpha_mRNAn	0
TNFalpha_mRNAc	0
TNFalphac	0
TNFalphaEC	0, 0.05, 0.5
TR1	308
TNFR1	0
TNFR1i_TRADD	0
TRADD	308
iNOS_mRNAn	0
iNOS_mRNAc	0
iNOS	0
Arg	1000
Citrulline	0
Arginosuccinate	0
NO	0
IRF2_mRNAn	0
IRF2_mRNAc	0
IRF2c	0
IRF2n	0