

Table 1. Modeling Parameters	Values
Default protein lifetime[1]	5 hr
Default RNA lifetime[2]	10 min
Phosphorylation time per dpERK[5]	1 min
Default complex dissociation time	5 min
Default protein copy number	500
Default RNA copy number[8]	20
ETS Yan-DNA binding[10]	10 kcal/mol
ETS Pnt-DNA binding[10]	12.4 kcal/mol
Non-specific Yan-DNA binding[36]	5.8 kcal/mol
Yan-Yan SAM domain interaction[37]	7 kcal/mol
Mae-Yan SAM domain interaction[37]	10.9 kcal/mol
Phosphorylated Yan lifetime	5 min
Mae-pYan dissociation time	30 sec