

Para No.	Symbol	Value	Description
1	$V_1$	4.9412	maximal activation velocities of EGFR by EGF
2	$K_1$	1.0784	Michaelis activation coefficient of EGFR by EGF
3	$V_2$	3.7255	maximal activation velocities of Ras by EGFR
4	$K_2$	0.0588	Michaelis activation coefficient of Ras by EGFR
5	$V_3$	3.0588	maximal activation velocities of ERK by Ras
6	$K_3$	0.2549	Michaelis activation coefficient of ERK by Ras
7	$V_4$	2.2549	maximal activation velocities of KinaseX by ERK
8	$K_4$	1.4314	Michaelis activation coefficient of KinaseX by ERK
9	$V_5$	4.5294	maximal activation velocities of Rac by EGFR
10	$K_5$	0.2549	Michaelis activation coefficient of Rac by EGFR
11	$V_6$	4.9020	maximal activation velocities of PAK by Rac
12	$K_6$	1.0392	Michaelis activation coefficient of PAK by Rac
13	$K_7$	0.0392	Michaelis inhibition coefficient of PI3K by LY
14	$V_8$	4.3333	maximal activation velocities of AKT by PI3K
15	$K_8$	1.6667	Michaelis activation coefficient of AKT by PI3K
16	$V_9$	2.9020	maximal activation velocities of cAMP by epinephrine
17	$K_9$	4.8824	Michaelis activation coefficient of cAMP by epinephrine
18	$V_{10}$	3.2745	maximal activation velocities of PKA by cAMP
19	$K_{10}$	4.1373	Michaelis activation coefficient of PKA by cAMP
20	$V_{11}$	3.8235	maximal activation velocities of CREB by PKA
21	$K_{11}$	0.0196	Michaelis activation coefficient of CREB by PKA
22	$V_{12a}$	4.4314	maximal activation velocities of S112BAD by PKA
23	$K_{12a}$	1.8431	Michaelis activation coefficient of S112BAD by PKA
24	$V_{12b}$	4.9216	maximal activation velocities of S112BAD by KinaseX
25	$K_{12b}$	2.0000	Michaelis activation coefficient of S112BAD by KinaseX
26	$V_{12c}$	0.8039	maximal activation velocities of S112BAD by PI3K
27	$K_{12c}$	0.1569	Michaelis activation coefficient of S112BAD by PI3K
28	$V_{12d}$	1.4118	maximal activation velocities of S112BAD by AKT
29	$K_{12d}$	4.5098	Michaelis activation coefficient of S112BAD by AKT
30	$V_{13a}$	2.7255	maximal activation velocities of S136BAD by PAK
31	$K_{13a}$	2.1765	Michaelis activation coefficient of S136BAD by PAK
32	$V_{13b}$	3.6863	maximal activation velocities of S136BAD by AKT
33	$K_{13b}$	3.0392	Michaelis activation coefficient of S136BAD by AKT
34	$d_1$	0.4510	Dephosphorylation rate of EGFR

35	$d_2$	1.1176	Dephosphorylation rate of Ras
36	$d_3$	0.7059	Dephosphorylation rate of ERK
37	$d_4$	0.4510	Dephosphorylation rate of KinaseX
38	$d_5$	3.6094	Dephosphorylation rate of Rac
39	$d_6$	2.4038	Dephosphorylation rate of PAK
40	$d_7$	1.0000	Dephosphorylation rate of PI3K
41	$d_8$	1.6250	Dephosphorylation rate of AKT
42	$d_9$	0.4933	Dephosphorylation rate of cAMP
43	$d_{10}$	0.6374	Dephosphorylation rate of PKA
44	$d_{11}$	3.7500	Dephosphorylation rate of CREB
45	$d_{12}$	1.9023	Dephosphorylation rate of S112BAD
46	$d_{13}$	0.9126	Dephosphorylation rate of S136BAD