

maintenance_fun constant

keep_ribosome_kcat FALSE keep_transport_kcat FALSE

	tC	FERM	W	RESP	ADPS	EAA	ENT	RNAp	DNAp	r
С	1	-0.2	0	-0.019	0	-1	-0.167	Ō	Ō	0
I	0	0	-1	0.019	0	0	0	0	0	0
AA	0	0	0	0	0	1	-0.167	0	0	-0.2
NT	0	0	0	0	-1	0	0.334	-1	-1	0
ADP	0	-0.8	0	-0.981	1	0	0.666	0	0	8.0
ATP	0	0.8	0	0.981	0	0	-0.666	0	0	-0.8
RNA	0	0	0	0	0	0	0	1	0	0
DNA	0	0	0	0	0	0	0	0	1	0
р	0	0	0	0	0	0	0	0	0	0.2

	tC	FERM	W	RESP	ADPS	EAA	ENT	RNAp	DNAp	r
x_C	0.1	0	0	0	0	0	0	0	0	0
x_W	0	10	10	7	0	0	0	0	0	0
С	0	10	0	7	0	10	10	0	0	0
ı	0	0	5	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	1	0	0	1
NT	0	0	0	0	1	0	0	1	1	0
ADP	0	1	0	0.7	0	0	0	0	0	0
ATP	0	0	0	0	0	0	1	0	0	1
RNA	0	0	0	0	0	0	0	0	0	0
DNA	0	0	0	0	0	0	0	0	0	0
р	0	0	0	0	0	0	0	0	0	0

KA

	tC	FERM	W	RESP	ADPS	EAA	ENT	RNAp	DNAp	r
x_C	0	0	0	0	0	0	0	0	0	0
x_W	0	0	0	0	0	0	0	0	0	0
С	0	0	0	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0
ADP	0	0	0	0	0	0	0	0	0	0
ATP	0	0	0	0	0	0	0	0	0	0
RNA	0	0	0	0	0	0	0	0	0	40
DNA	0	0	0	0	0	0	0	4	4	0
р	0	0	0	0	0	0	0	0	0	0

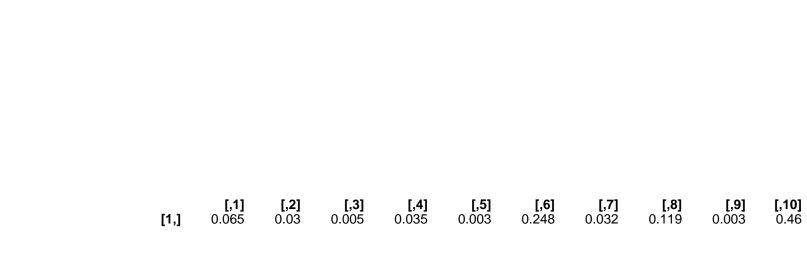
kcat

	tC	FERM	W	RESP	ADPS	EAA	ENT	RNAp	DNAp	r
kcatf	29	801	10	267	2	7	129	6	13	19
kcatb	0	0	0	0	0	0	0	0	0	0

Keq



phi input



average saturation input

minimal phi constraint

[1,]

minimal f constraint

[1,]

[,10] 0