

maintenance_fun constant

keep_ribosome_kcat FALSE keep_transport_kcat FALSE

	tC	MFI	KNAP	DNAP	r
С	1	-1	0	0	0
AA	0	0.5	0	0	-0.9
NT	0	0.3	-1	-1	0
ATP	0	0.2	0	0	-0.1
rRNA	0	0	1	0	0
DNA	0	0	0	1	0
р	0	0	0	0	1

K

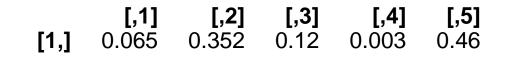
	tC	MET	RNAp	DNAp	r
x_C	0.1	0	0	0	0
С	0	7	0	0	0
AA	0	0	0	0	3
NT	0	0	1	1	0
ATP	0	0	0	0	12
rRNA	0	0	0	0	0
DNA	0	0	0	0	0
р	0	0	0	0	0

	tC	MET	RNAp	DNAp	r
x_C	0	0	0	0	0
C	0	0	0	0	0
AA	0	0	0	0	0
NT	0	0	0	0	0
ATP	0	0	0	0	0
rRNA	0	0	0	0	0
DNA	0	0	4	4	0
р	0	0	0	0	0

kcat

	tC	MEI	RNAP	DNAP	r
kcatf	32	7	6	8	4
kcatb	0	0	0	0	0

phi input



average saturation input

minimal phi constraint

minimal f constraint