





	Cin	EAA	ENT	rRNAp	Deg	Maint	r
С	1	-1	-0.66	-0.05	Ö	1	0
AA	0	1	-0.34	0	0	0	-1
NT	0	0	1	-1	1	-1	0
rRNA	0	0	0	0.95	-1	0	0
р	0	0	0	0	0	0	1

K

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
x_C	0.1	0	0	Ō	Ö	0	0
С	1	1	1	1	0	0	0
AA	0	0	70	0	0	0	70
NT	0	0	0	2	0	2	0
rRNA	0	0	0	36	36	0	0
р	0	0	0	0	0	0	0

KA

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
x_C	0	0	0	Ō	Ö	0	0
С	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	50
р	0	0	0	0	0	0	0

kcat

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
kcatf	37	17	28	11	10	2	5
kcatb	4	2	3	0	0	0	0

Keq

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]
[1,]	92.5	8.5	0.133333333333333	Inf	Inf	Inf	Inf

phi input

[1,]	[,1] 0.05	[,2] 0.2	[,3] 0.07	[,4] 0.027	[,5] 0.003	[,6] 0.2	[,7] 0.4	

average saturation input

minimal phi constraint

minimal f constraint