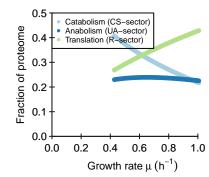


Proteome sectors



	tC	FERM	ATPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
С	1	-0.2	0	-1	-0.167	-0.18	Ō	Ō	Ö	Ō	0	0
AA	0	0	0	1	-0.167	0	0	0	0	0	-0.01	0
NT	0	-0.8	-1	0	1	0.82	-1	-1	-1	-1	0.05	0.05
ATP	0	0.8	1	0	-0.666	-0.82	0	0	0	0	-0.05	-0.05
LIP	0	0	0	0	0	0.18	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	1	0	0	0	0	0
mRNA	0	0	0	0	0	0	0	1	0	0	0	0
tRNA	0	0	0	0	0	0	0	0	1	0	-0.94	0.94
DNA	0	0	0	0	0	0	0	0	0	1	0	0
TC	0	0	0	0	0	0	0	0	0	0	0.95	-0.95
р	0	0	0	0	0	0	0	0	0	0	0	0.01

	tC	FERM	ATPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0.05	0	0	0	0	0	Ō	Ō	Ö	Ö	0	0
x_W	0	5	0	0	0	0	0	0	0	0	0	0
С	0.5	0.1	1	2	2	2	0	0	0	0	0	0
AA	0	0	0	5	3	0	0	0	0	0	6	0
NT	0	1	1	0	5	0	4	4	4	6	1	1
ATP	0	5	5	0	3	3	0	0	0	0	3	3
LIP	0	0	0	0	0	15	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	0	0	0
mRNA	0	0	0	0	0	0	0	0	0	0	0	0
tRNA	0	0	0	0	0	0	0	0	0	0	1	0
DNA	0	0	0	0	0	0	0	0	0	0	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	2
р	0	0	0	0	0	0	0	0	0	0	0	0

	tC	FERM	ATPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0	0	0	0	0	0	Ō	Ō	Ō	Ō	0	0
x_W	0	0	0	0	0	0	0	0	0	0	0	0
С	0	0	0	0	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0
ATP	0	0	0	0	0	0	0	0	0	0	0	0
LIP	60	0	0	0	0	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	0	0	50
mRNA	0	0	0	0	0	0	0	0	0	0	0	3
tRNA	0	0	0	0	0	0	0	0	0	0	0	0
DNA	0	0	0	0	0	0	8	8	8	8	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	0
р	0	0	0	0	0	0	0	0	0	0	0	0

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]
kcatf	700	1000	150	12	220	73	15	10	15	16	15000	900
kcatb	0	0	0	0	0	0	0	0	0	0	0	0

Keq

[1,]	[,1] Inf	[,2] Inf	[,3] Inf	[,4] Inf	[,5] Inf	[,6] Inf	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	

minimal phi constraint

[,7] [,8] [,9] 0 0 0 [,10] [,11] 0 0 **[,12]** 0

[,4] 0

[,1] 0

[1,]

[,**2**] [,**3**] 0

[,6] 0

[,5] 0

minimal f constraint

[,10] [,11] 0 0

[,12] 0

[,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] 0 0 0 0 0 0 0 0

[1,]