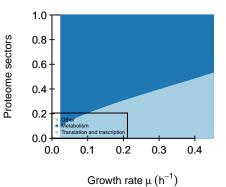
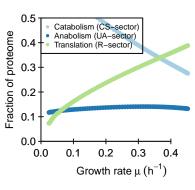


Proteome sectors





	tC	tW	ATPS	ADPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
С	1	0	-0.02	0	-1	-0.167	-0.18	0	Ō	Ō	Ō	0	0
AA	0	0	0	0	1	-0.167	0	0	0	0	0	-0.01	0
NT	0	0	0	-1	0	0.334	0	-1	-1	-1	-1	0	0
ADP	0	0	-0.98	1	0	0.666	0.82	0	0	0	0	0.05	0.05
ATP	0	0	0.98	0	0	-0.666	-0.82	0	0	0	0	-0.05	-0.05
W	0	-1	0.02	0	0	0	0	0	0	0	0	0	0
LIP	0	0	0	0	0	0	0.18	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	1	0	0	0	0	0
mRNA	0	0	0	0	0	0	0	0	1	0	0	0	0
tRNA	0	0	0	0	0	0	0	0	0	1	0	-0.94	0.94
DNA	0	0	0	0	0	0	0	0	0	0	1	0	0
TC	0	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	0.01

	tC	tW	ATPS	ADPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0.1	0	0	0	0	0	0	Ö	Ō	Ō	Ō	0	0
x_W	0	3	0	0	0	0	0	0	0	0	0	0	0
С	3	0	2	0	2	2	2	0	0	0	0	0	0
AA	0	0	0	0	11	6	0	0	0	0	0	6	0
NT	0	0	0	6	0	11	0	6	6	6	6	0	0
ADP	0	0	1	2	0	2	2	0	0	0	0	0	0
ATP	0	0	6	0	0	3	3	0	0	0	0	3	3
W	0	5	10	0	0	0	0	0	0	0	0	0	0
LIP	0	0	0	0	0	0	29	0	0	0	0	0	0
rRNA	0	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	0
tRNA	0	0	0	0	0	0	0	0	0	0	0	2	0
DNA	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	0	3
р	0	0	0	0	0	0	0	0	0	0	0	0	0

	tC	tW	ATPS	ADPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0	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	0
С	0	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	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0
ADP	0	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	0
W	0	0	0	0	0	0	0	0	0	0	0	0	0
LIP	60	60	0	0	0	0	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	0	0	0	50
mRNA	0	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	0
DNA	0	0	0	0	0	0	0	9	9	9	8	0	0
TC	0	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	0

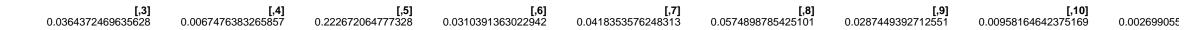
kcat

	tC	tW	ATPS	ADPS	EAA	ENT	LIPS	rRNAp	mRNAp	tRNAp	DNAp	tRNAC	r
kcatf	17	6	747	10	9	161	54	8	1	8	12	10877	587
kcatb	2	1	75	1	1	16	5	0	0	0	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[, 11]	[,12]	[,13]
	255	3.6	298.8	3.333333333333333	49.5	6.1493055555556	104.4	Inf	Inf	Inf	Inf	Inf	Inf

phi input



average saturation input

minimal phi constraint

_	-	-	_	 	-	_	

[,9] 0 **[,10]** 0 **[,12]** 0 **[,13]** 0 **[,14]** 0

[,1] 0

[1,]

[,3] 0 [,4] [,5] [,6] [,7] [,8] 0 0 0 0 0

minimal f constraint

[,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10] [,11] [,12 0 0 0 0 0 0 0 0 0 0 0										
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[,13] 0