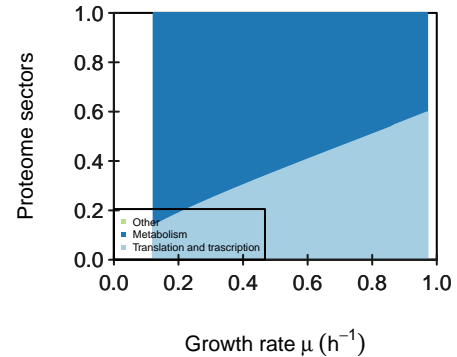
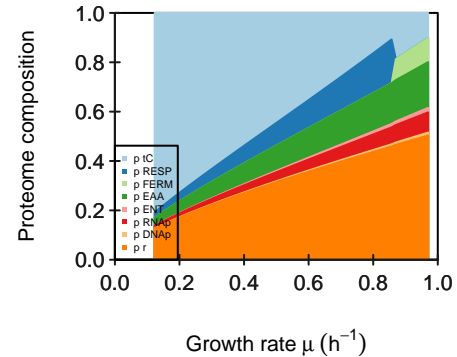
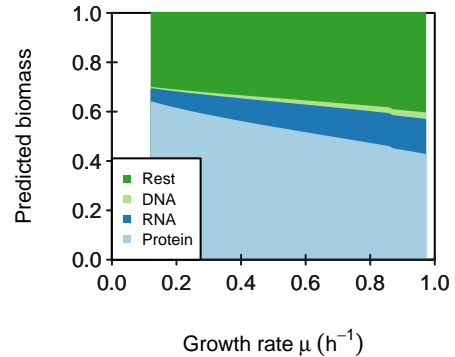
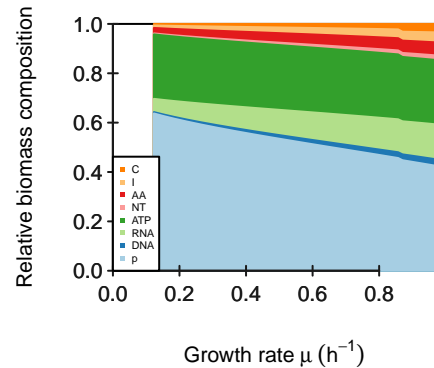
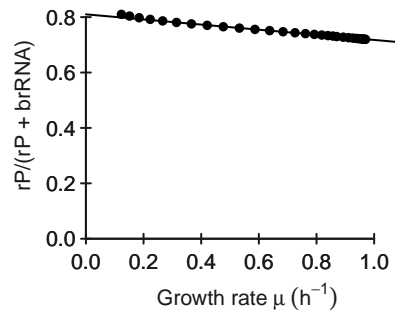


Protein mass fraction in ribosome



keep_ribosome_kcat FALSE
keep_transport_kcat FALSE
maintenance_fun constant

M

	tC	RESP	FERM	EAA	ENT	RNAp	DNAp	r
C	1	-1	-1	0	0	0	0	0
I	0	0.4	0.2	-1	-0.9	0	0	0
AA	0	0	0	1	0	0	0	-0.9
NT	0	0	0	0	1	-1	-1	0
ATP	0	0.2	0.1	0	-0.1	0	0	-0.1
RNA	0	0	0	0	0	1	0	0
DNA	0	0	0	0	0	0	1	0
p	0	0	0	0	0	0	0	1

K

	tC	RESP	FERM	EAA	ENT	RNAp	DNAp	r
x_C	0.1	0	0	0	0	0	0	0
x_W	0	0	0	0	0	0	0	0
C	0	0.4	2	0	0	0	0	0
I	0	0	0	2	2	0	0	0
AA	0	0	0	0	0	0	0	2
NT	0	0	0	0	0	1	1	0
ATP	0	0	0	0	22	0	0	22
RNA	0	0	0	0	0	0	0	0
DNA	0	0	0	0	0	0	0	0
p	0	0	0	0	0	0	0	0

KA

	tC	RESP	FERM	EAA	ENT	RNAp	DNAp	r
x_C	0	0	0	0	0	0	0	0
x_W	0	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0
ATP	0	0	0	0	0	0	0	0
RNA	0	0	0	0	0	0	0	25
DNA	0	0	0	0	0	4	4	0
p	0	0	0	0	0	0	0	0

kcat

	tC	RESP	FERM	EAA	ENT	RNAp	DNAp	r
kcatf	80.5	18.5	92.5	6.4	37.1	7.6	10.2	5
kcatb	0	0	0	0	0	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]
	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]
	0.06	0.065	0.004	0.248	0.035	0.119	0.003	0.461

average saturation input

3

minimal phi constraint

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

minimal f constraint

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