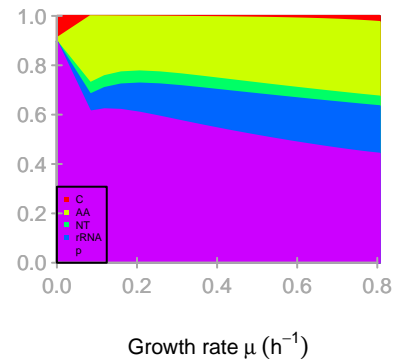
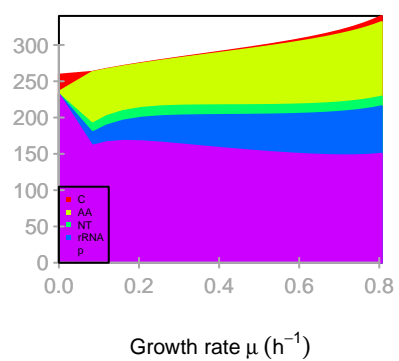


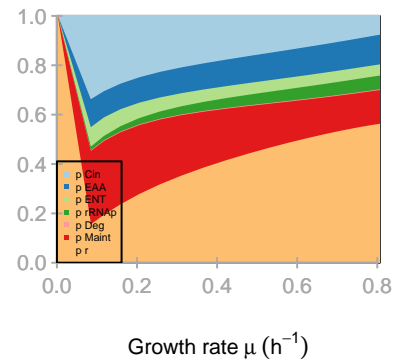
Relative biomass composition



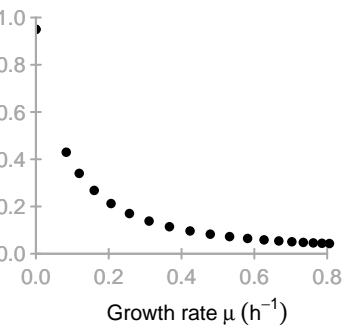
Absolute biomass composition



Proteome composition



Fraction of degraded rRNA



M

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
C	1	-1	-0.66	-0.05	0	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
p	0	0	0	0	0	0	1

K

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
x_C	0.1	0	0	0	0	0	0
C	2	2	2	2	0	0	0
AA	0	0	99	0	0	0	99
NT	0	0	0	3	0	3	0
rRNA	0	0	0	52	52	0	0
p	0	0	0	0	0	0	0

KA

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
x_C	0	0	0	0	0	0.1	0
C	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
p	0	0	0	0	0	0	0

kcat

	Cin	EAA	ENT	rRNAp	Deg	Maint	r
kcatf	37	29	225	11	10	36	5
kcatb	4	3	22	0	0	0	0

Keq

[1,]	[,1]		[,2]		[,3]	[,4]	[,5]	[,6]	[,7]
	185	4.833333333333333	0.0516528925619835			Inf	Inf	Inf	Inf

phi input

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

average saturation input

1

minimal phi constraint

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]
	0	0	0	0	0.003	0	0

minimal f constraint

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