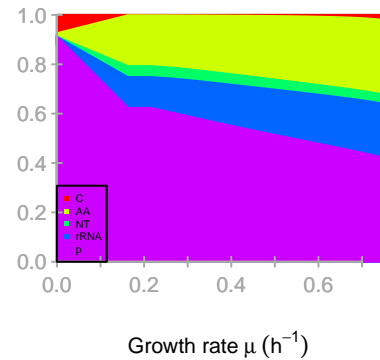
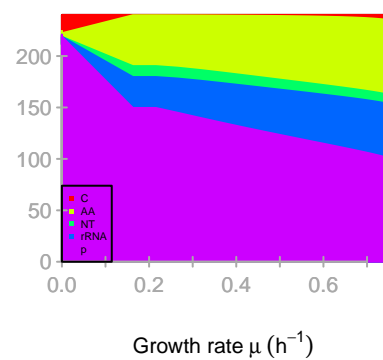


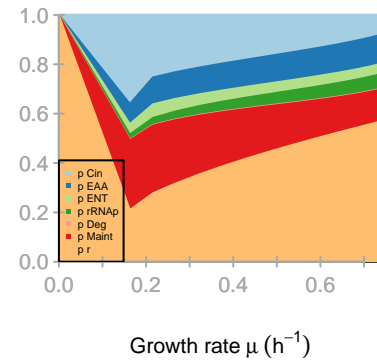
Relative biomass composition



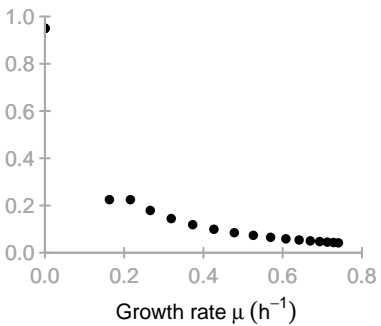
Absolute biomass composition



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	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	37	37	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	78	1056	11	10	182	5
kcatb	4	8	106	0	0	0	0

Keq

[1,]	[,1]	[,2]		[,3]	[,4]	[,5]	[,6]	[,7]
	92.5	9.75	0.142318059299191		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	10	0