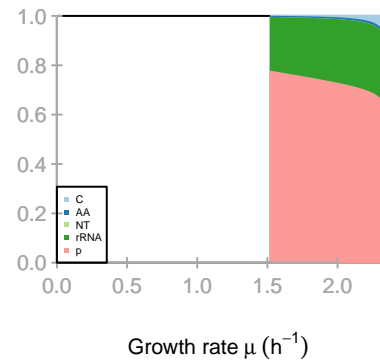
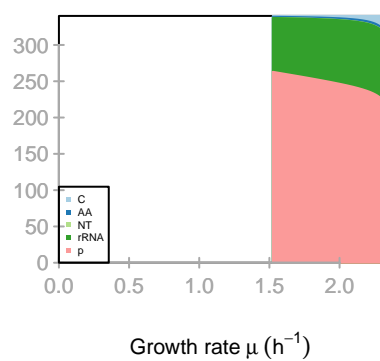


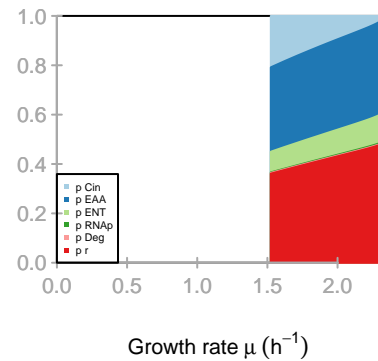
Relative biomass composition



Absolute biomass composition



Proteome composition



M

	Cin	EAA	ENT	RNAp	Deg	r
C	1	-1	-0.66	0	0	0
AA	0	1	-0.34	0	0	-1
NT	0	0	1	-1	1	0
rRNA	0	0	0	1	-1	0
p	0	0	0	0	0	1

K

	Cin	EAA	ENT	RNAp	Deg	r
x_C	0.01	0	0	0	0	0
C	0.5	0.5	0.5	0	0	0
AA	0	10	0.5	0	0	0.005
NT	0	0	10	0.05	0	0
rRNA	0	0	0	0	200	0
p	0	0	0	0	0	0

KA

	Cin	EAA	ENT	RNAp	Deg	r
x_C	0	0	0	0	0	0
C	0	0	0	0	0	0
AA	0	0	0	0	0	0
NT	0	0	0	0	0	0
rRNA	0	0	0	0	0	100
p	0	0	0	0	0	0

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]
kcatf	200	7.3846	9.8004	260.2688	14.72	9.9522
kcatb	0	1.47692	1.96008	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]
	Inf	100	200	Inf	Inf	Inf

minimal phi constraint

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

minimal f constraint

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