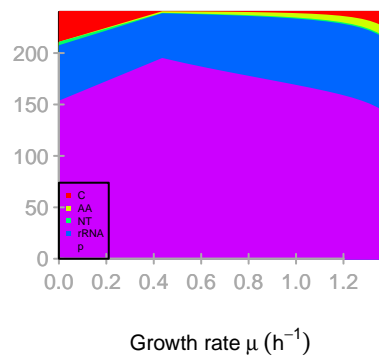
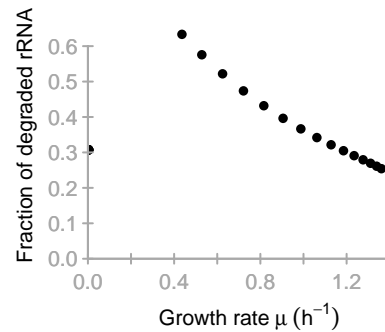
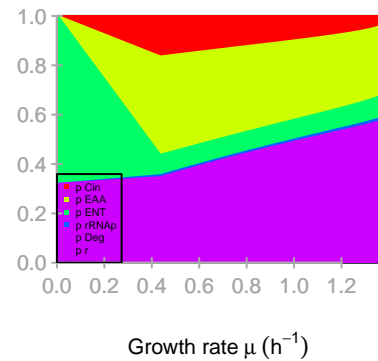


Absolute biomass composition



Proteome composition



**M**

	<b>Cin</b>	<b>EAA</b>	<b>ENT</b>	<b>rRNAp</b>	<b>Deg</b>	<b>r</b>
<b>C</b>	1	-1	-0.66	-0.05	0	0
<b>AA</b>	0	1	-0.34	0	0	-1
<b>NT</b>	0	0	1	-1	1	0
<b>rRNA</b>	0	0	0	0.95	-1	0
<b>p</b>	0	0	0	0	0	1

K

	Cin	EAA	ENT	rRNAp	Deg	r
x_C	0.1	0	0	0	0	0
C	1	1	1	0	0	0
AA	0	5	1	0	0	1
NT	0	0	5	1	0	0
rRNA	0	0	0	0	50	0
p	0	0	0	0	0	0

KA

	Cin	EAA	ENT	rRNAp	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	50
p	0	0	0	0	0	0

**kcat**

	<b>[,1]</b>	<b>[,2]</b>	<b>[,3]</b>	<b>[,4]</b>	<b>[,5]</b>	<b>[,6]</b>
<b>kcatf</b>	200	7.3846	9.8004	140	140	4.5
<b>kcatb</b>	40	1.47692	1.96008	0	0	0

**Keq**

<b>[1,]</b>	<b>[,1]</b>	<b>[,2]</b>	<b>[,3]</b>	<b>[,4]</b>	<b>[,5]</b>	<b>[,6]</b>
	50	25	25	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