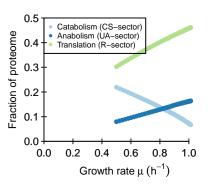
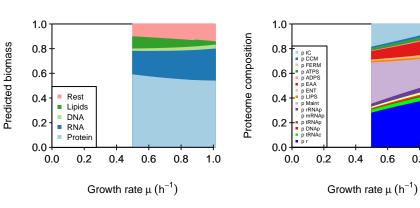
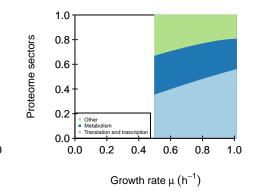


#### Proteome sectors







8.0

	tC	CCM	FERM	ATPS	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
С	1	-1	-0.04	-0.019	0	0	-0.167	0	0	Ō	0	0	Ō	0	0
AA	0	0	0	0	0	1	-0.167	0	0	0	0	0	0	-0.01	0
NT	0	0	0	0	-1	0	0.334	0	0	-1	-1	-1	-1	0	0
ADP	0	0	-0.96	-0.981	1	0	0.666	0.82	1	0	0	0	0	0.05	0.05
ATP	0	0	0.96	0.981	0	0	-0.666	-0.82	-1	0	0	0	0	-0.05	-0.05
CI1	0	1	0	0	0	-1	0	-0.18	0	0	0	0	0	0	0
LIP	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
mRNA	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
tRNA	0	0	0	0	0	0	0	0	0	0	0	1	0	-0.94	0.94
DNA	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0.95	-0.95
р	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01

	tC	CCM	FERM	ATPS	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0.02	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	0	0
x_C x_W	0	0	10	10	0	0	0	0	0	0	0	0	0	0	0
С	10	0.5	0.03	0.5	0	0	0.5	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	5	0.5	0	0	0	0	0	0	6	0
NT	0	0	0	0	1	0	10	0	0	4	4	4	6	0	0
ADP	0	0	0.05	0.5	1	0	0.5	1	0	0	0	0	0	0	0
ATP	0	0	10	10	0	0	5	5	1	0	0	0	0	3	3
CI1	0	10	0	0	0	1	0	1	0	0	0	0	0	0	0
LIP	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
DNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
р	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	tC	CCM	FERM	ATPS	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
x_C	0	0	0	0	0	0	0	0	0.001	0	0	Ō	Ō	0	0
x_W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
С	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CI1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIP	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
mRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
tRNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNA	0	0	0	0	0	0	0	0	0	8	8	8	8	0	0
TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
р	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]
kcatf	1000	100	1800	1800	14	12	150	73	81	15	10	15	16	10000	700
kcatb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

# Keq

[1,]	<b>[,1]</b> Inf	<b>[,2]</b> Inf	<b>[,3]</b> Inf	<b>[,4]</b> Inf	<b>[,5]</b> Inf	<b>[,6]</b> Inf	<b>[,7]</b> Inf	<b>[,8]</b> Inf	<b>[,9]</b> Inf	<b>[,10]</b> Inf	[, <b>11]</b> Inf	[, <b>12]</b> Inf	[, <b>13]</b> Inf	<b>[,14]</b> Inf	[, <b>15]</b> Inf	

## minimal phi constraint

[1,]

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

[,7] [,8] [,9] [,10] [,11] [,12] 0 0 0 0 0

### minimal f constraint

วา		
۷1		

[,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10] [,11] [,12] [,13] 0 0 0 0 0 0 0 0 0 0 0 0 0



1		
ā		

]		
3		