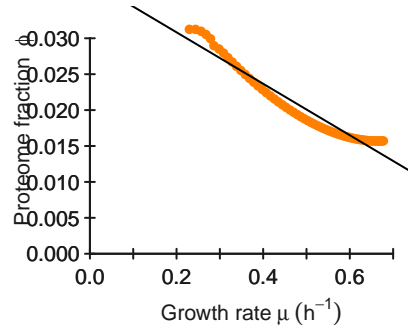
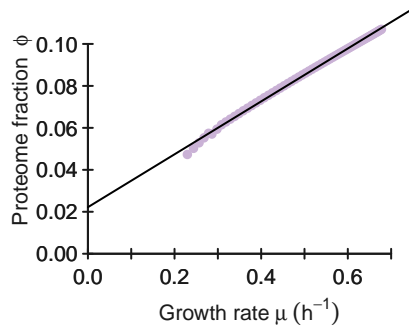
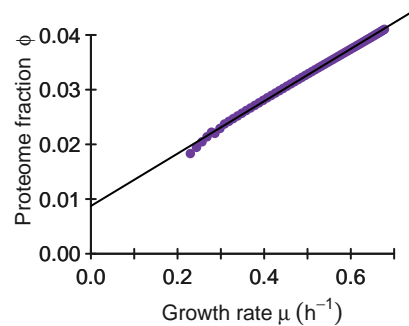
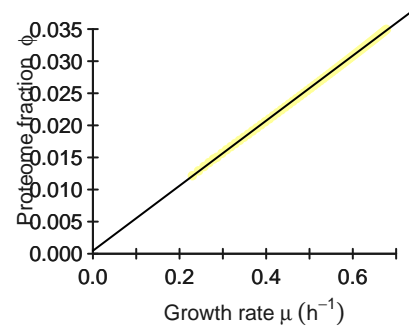
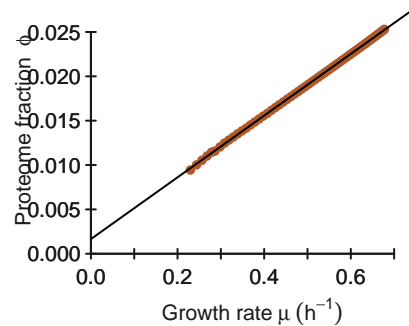
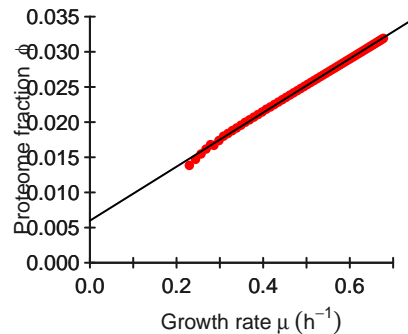
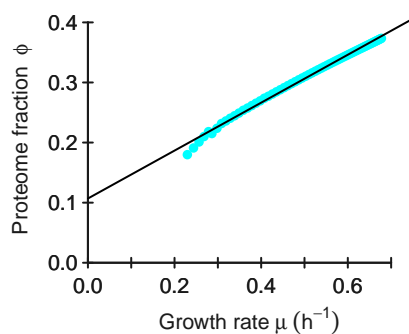
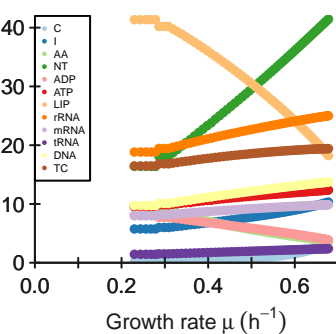
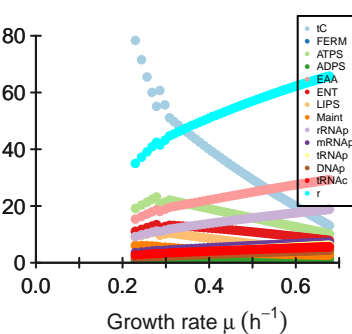
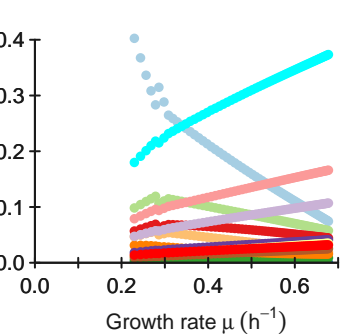
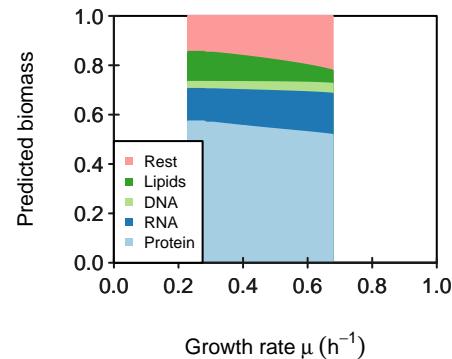
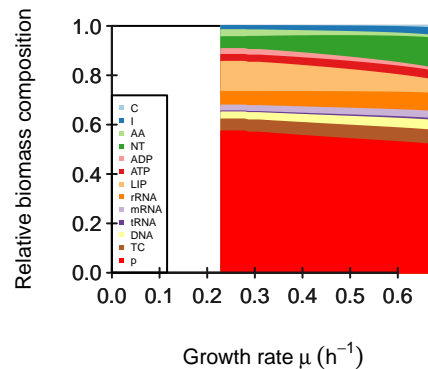
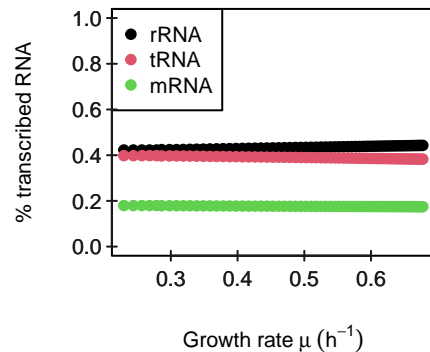
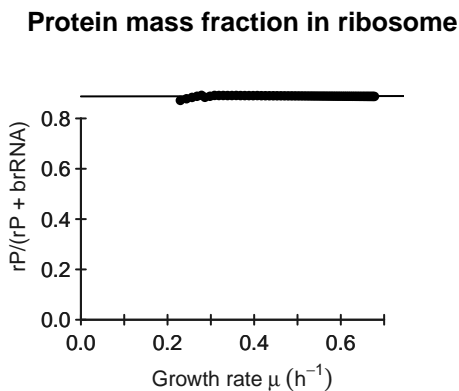
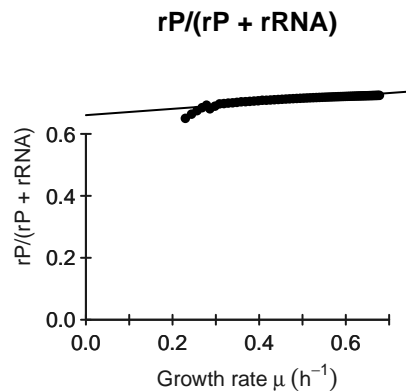
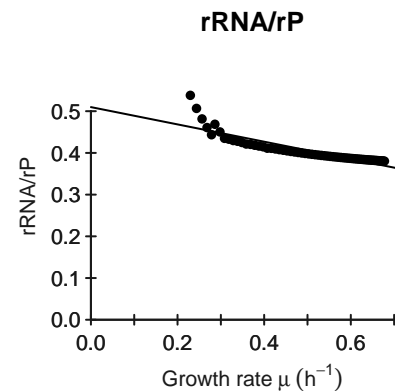
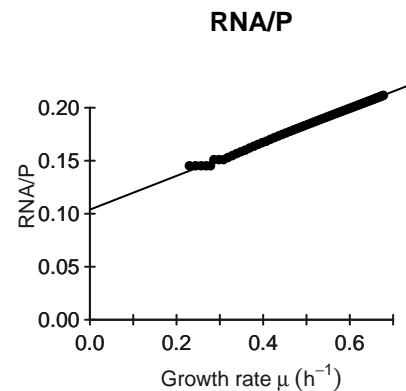
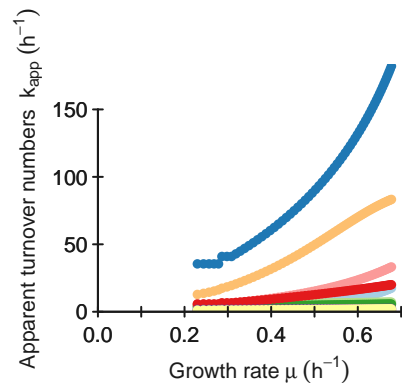
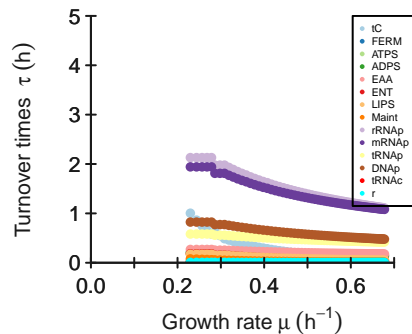
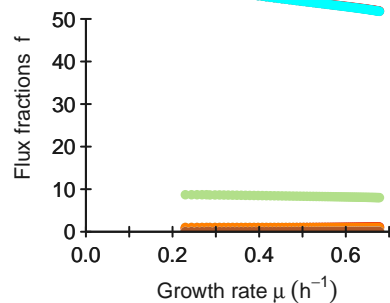
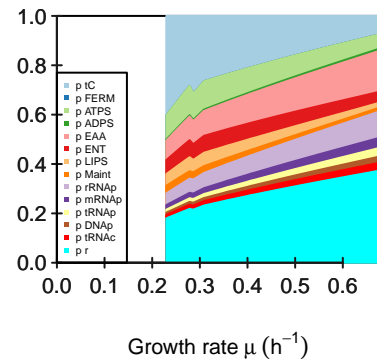


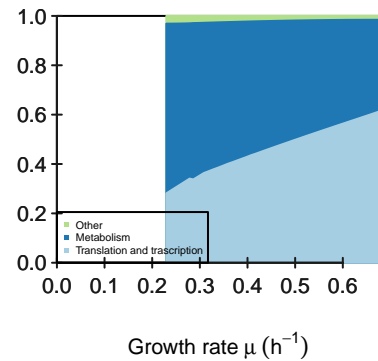
Maint**rRNAp****mRNAp****tRNAp****DNAP****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ 



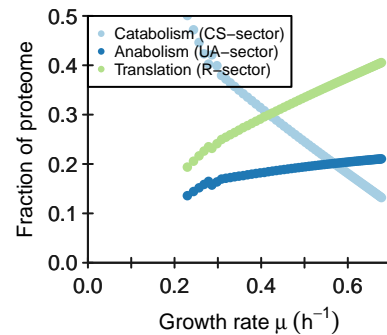
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]
kcatf	200	1000	500	8	7	78	33	100	5	3	5	8	10000	1000
kcatb	20	100	50	1	1	8	3	0	0	0	0	0	0	0

Keq

[1,]	333.3333333333333	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]
			300	120	8	21	43.875	27.5	Inf	Inf	Inf	Inf	Inf	Inf	Inf

minimal phi constraint

[1,]

$$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$$
$$[2]_0$$
$$[3]_0$$
$$\begin{bmatrix} 4 \\ 0 \end{bmatrix}$$
$$[5]_0$$
$$[6]_0$$
$$[7]_0$$
$$[8]_0$$
$$[9]_0$$

[,10]

[1]

[;

1

minimal f constraint

[1,]	[,1] 0	[,2] 0	[,3] 0	[,4] 0	[,5] 0	[,6] 0	[,7] 0	[,8] 1	[,9] 0	[,10] 0	[,11] 0	[,12] 0	[,13] 0	[,14] 0
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