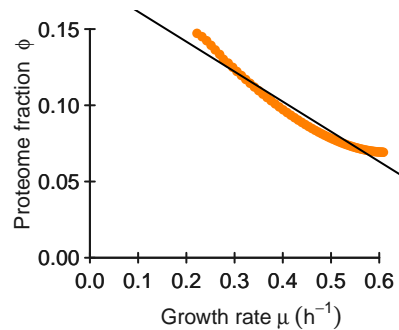
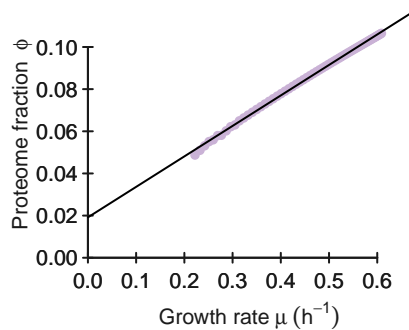
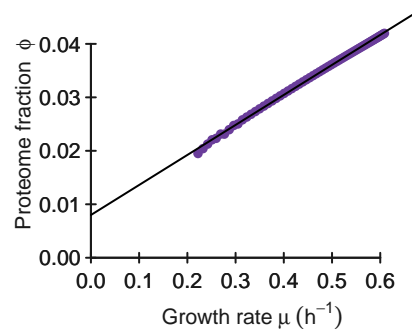
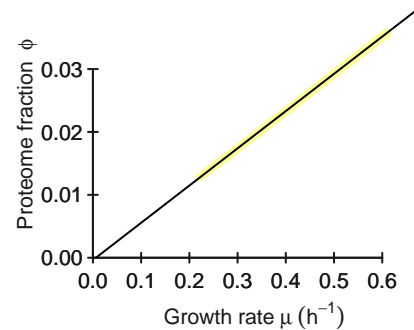
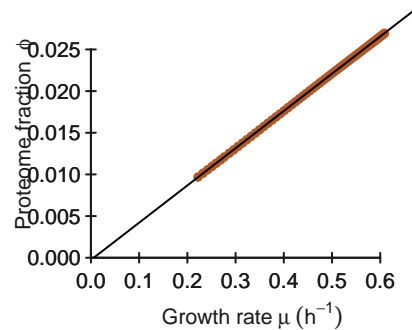
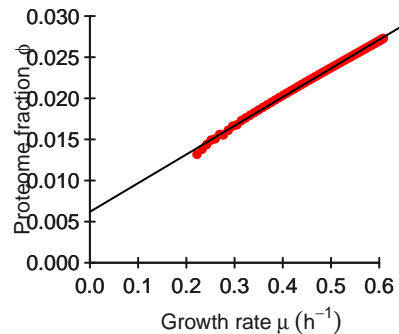
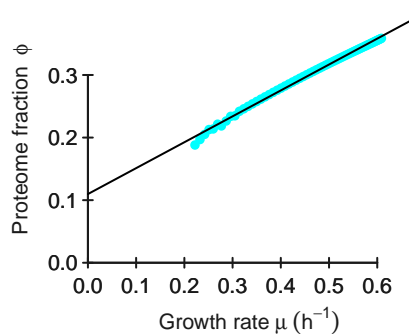
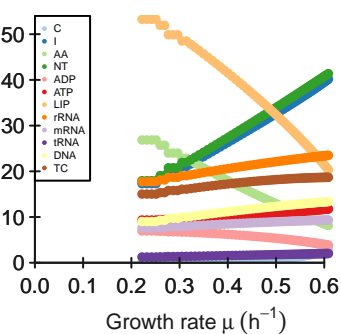
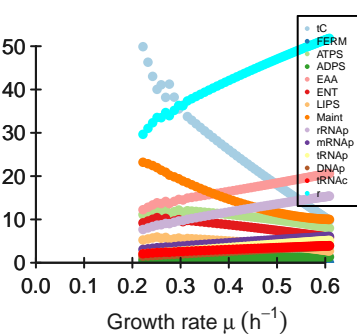
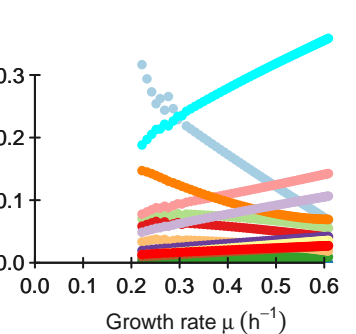
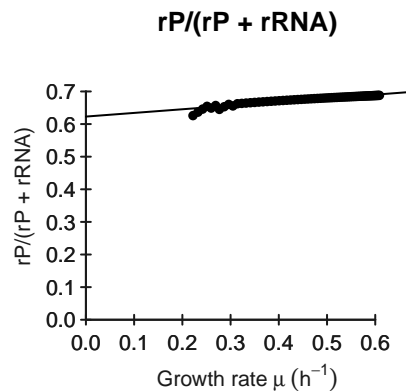
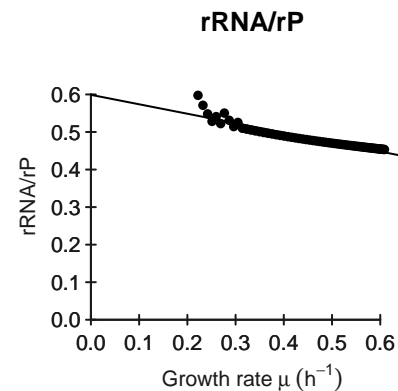
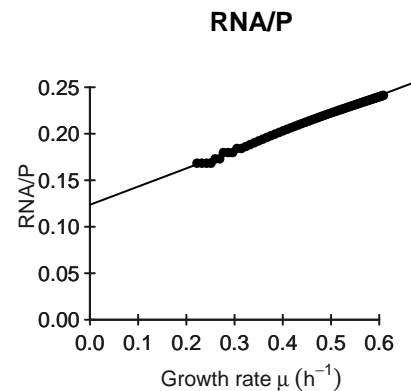
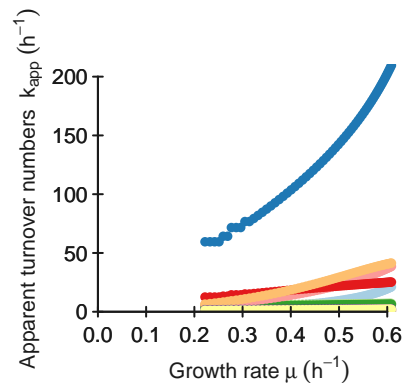
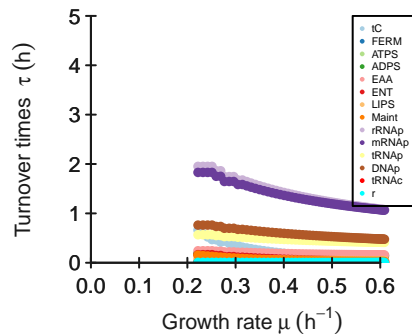
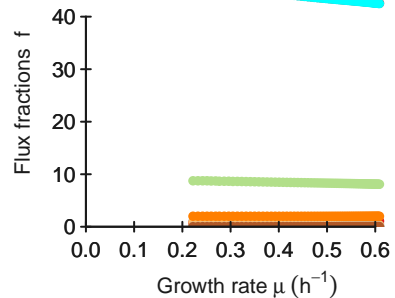
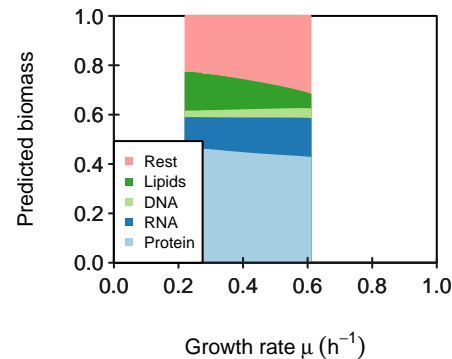
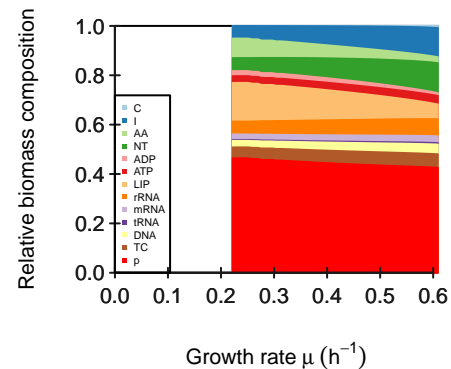
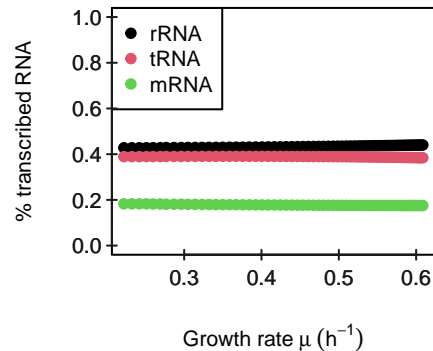
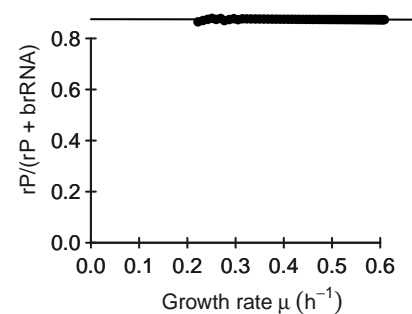


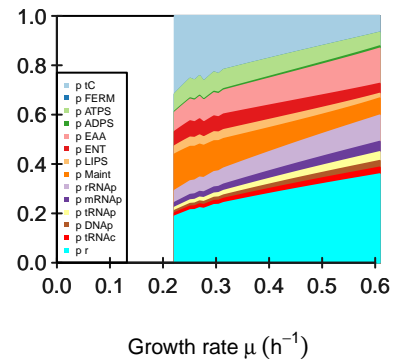
Maint**rRNAp****mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ 



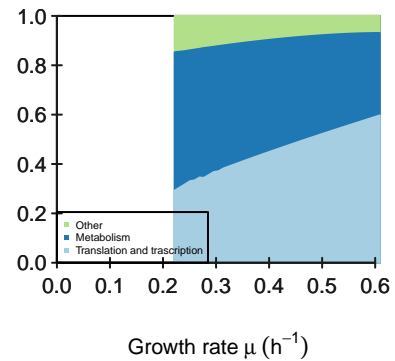
Protein mass fraction in ribosome



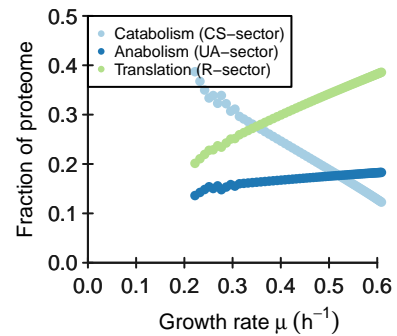
Proteome composition



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	1500	500	8	7	78	33	50	5	3	5	8	10000	1000
kcatb	20	150	50	1	1	8	3	0	0	0	0	0	0	0

Keq

[1,]	333.3333333333333	[,1] 600	[,2] 600	[,3] 8	[,4] 21	[,5] 43.875	[,6] 27.5	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf
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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] 2	[,9] 0	[,10] 0	[,11] 0	[,12] 0	[,13] 0	[,14] 0
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