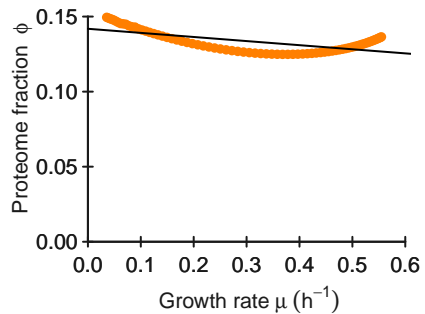
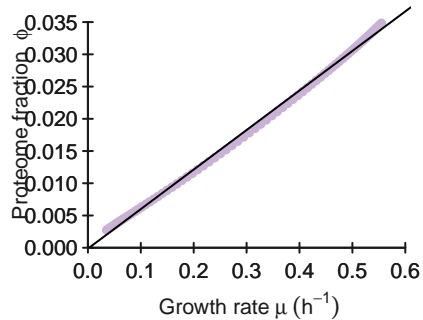
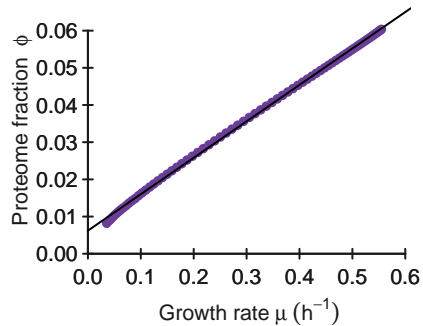
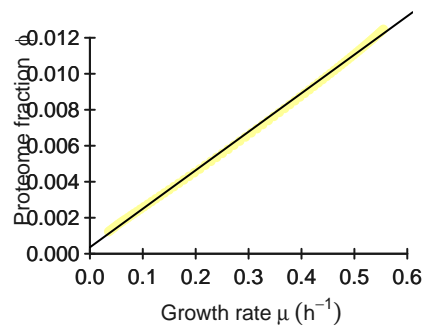
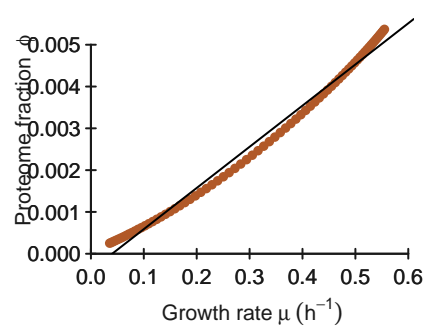
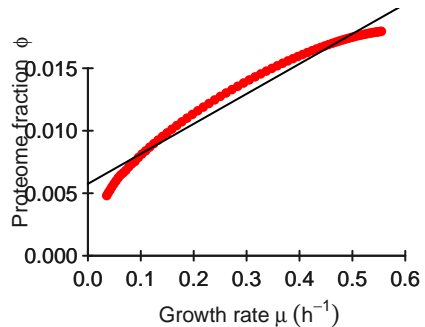
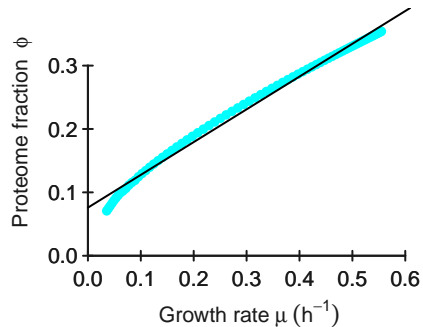
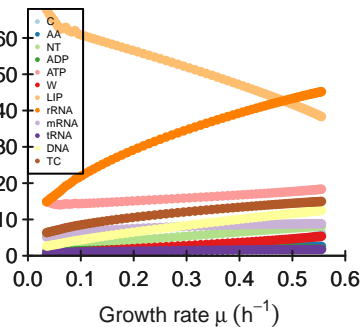
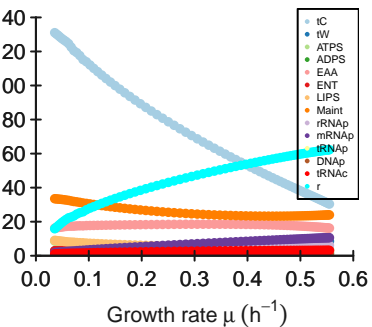
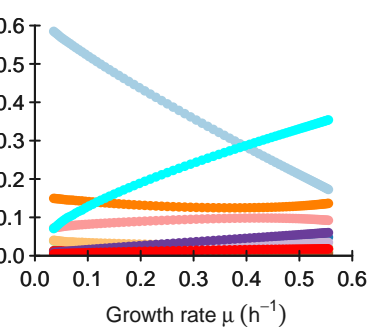
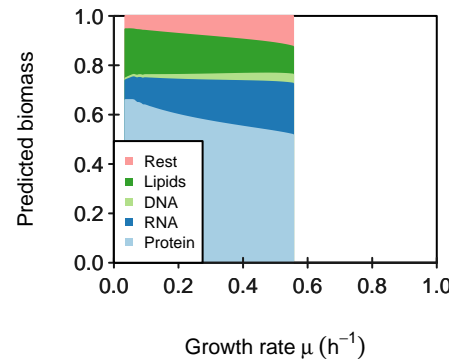
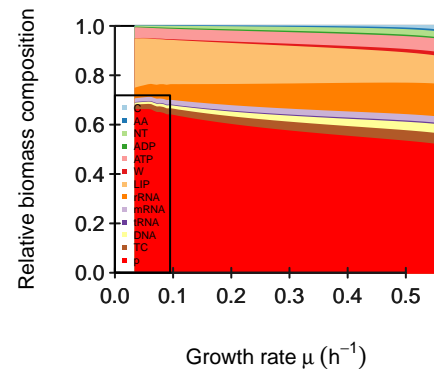
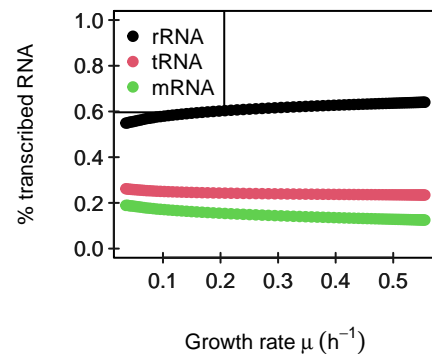
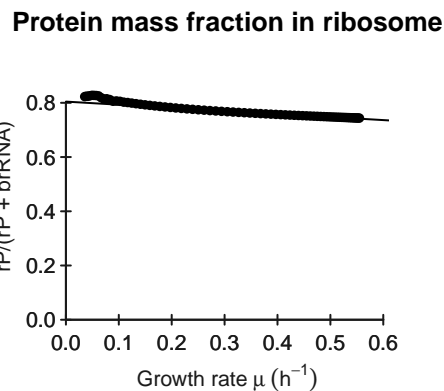
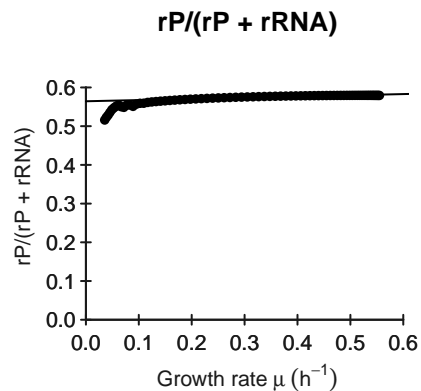
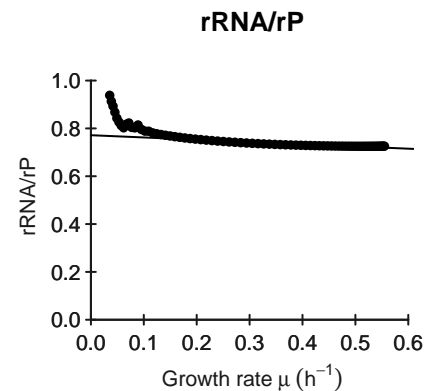
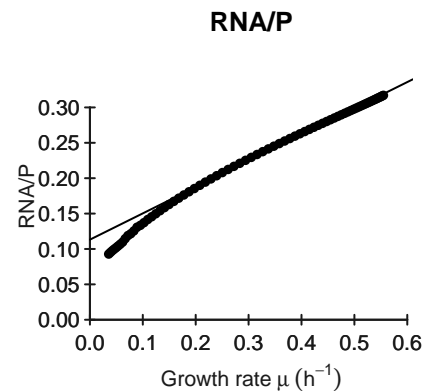
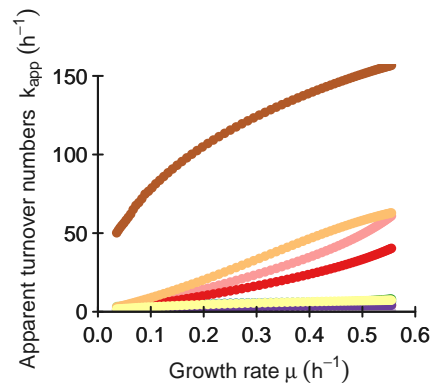
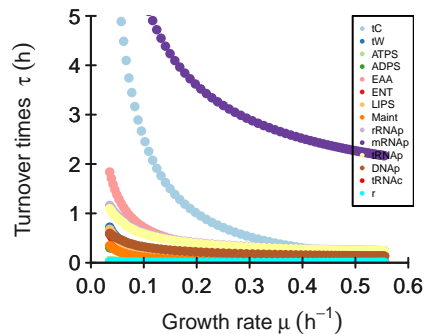
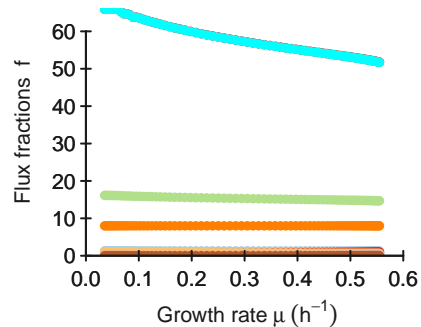
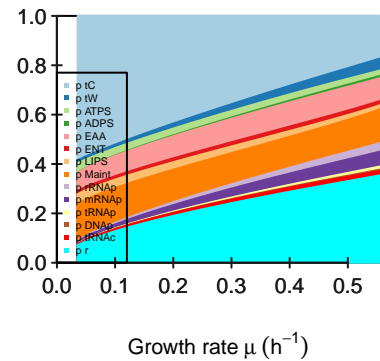


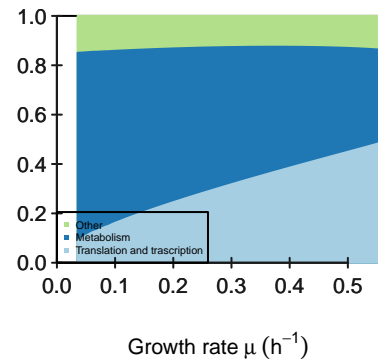
Maint**rRNAp****mRNAp****tRNAp****DNAp****tRNAc****r****Metabolite concentrations c^m (g/L)****Protein concentrations p (g/L)****Proteome fractions ϕ** 



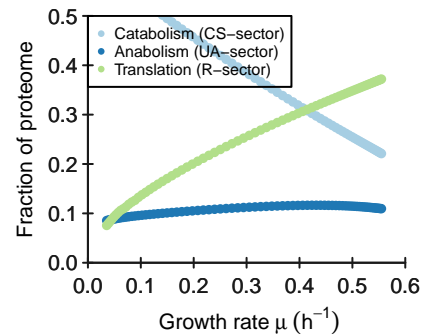
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	tC	tW	ATPS	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	DNAP	tRNAc	r
kcatf	26	23	1775	12	11	152	58	75	9	1	9	15	10310	626
kcatb	3	2	178	1	1	15	6	0	0	0	0	0	0	0

Keq

[1,]	346.666666666667	9.13475227629384	267.243020162977	6.13704653719311	45.4497128146668	16.8249665622954	101.398994107582	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf
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phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]
	0.089	0.021	0.027	0.005	0.165	0.023	0.031	0.259	0.0426	0.0213	0.0071	0.002	0.023	0.284

average saturation input

3

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] 8	[,9] 0	[,10] 0	[,11] 0	[,12] 0	[,13] 0	[,14] 0
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