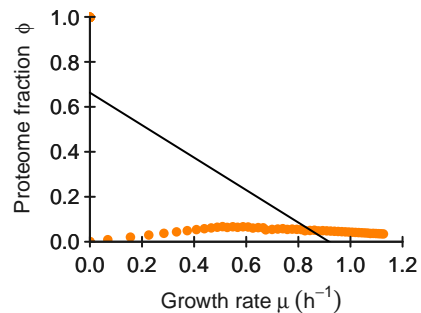
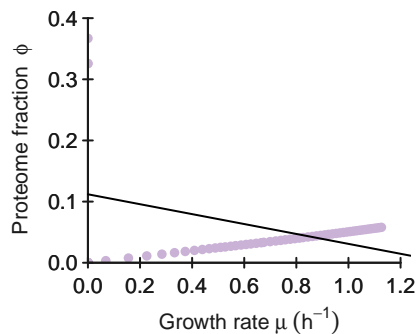
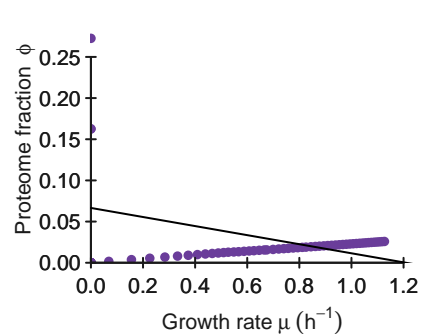
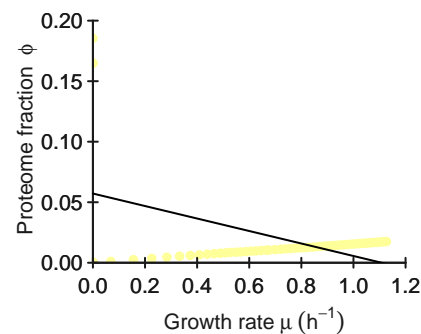
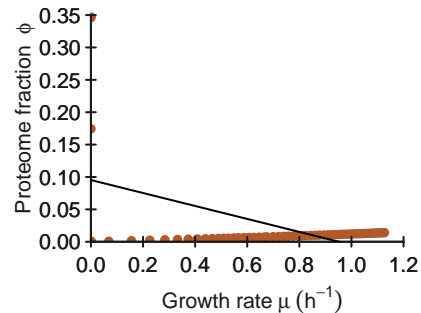
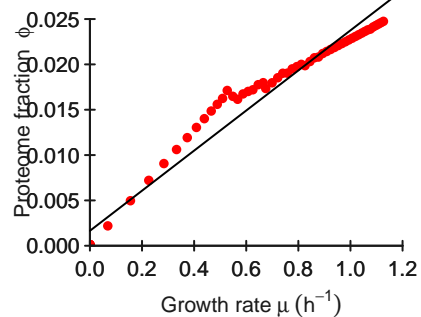
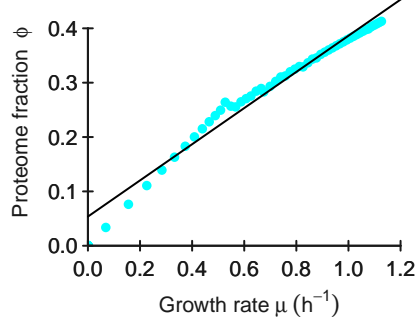
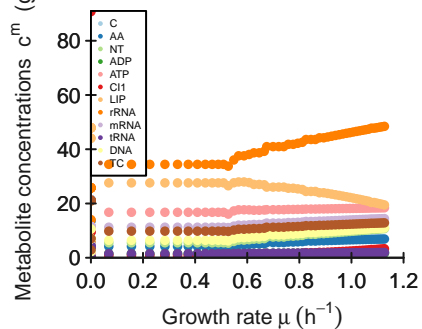
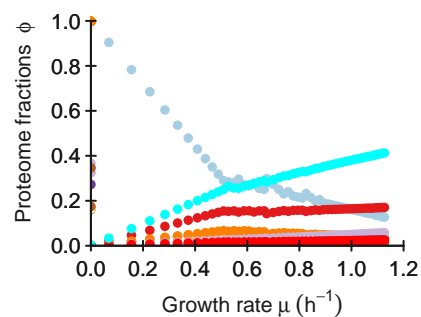
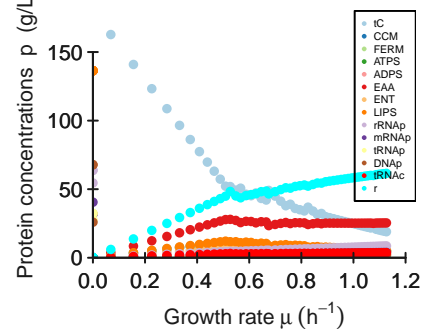
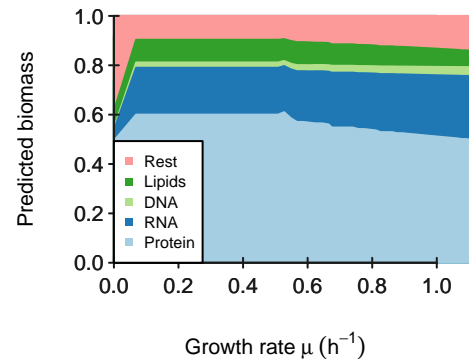
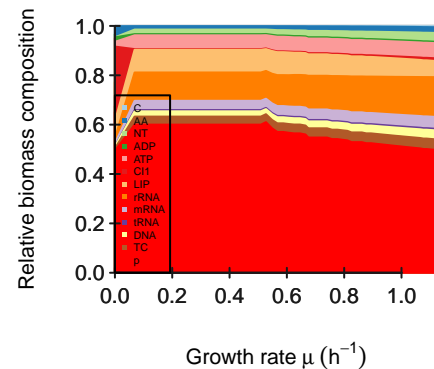
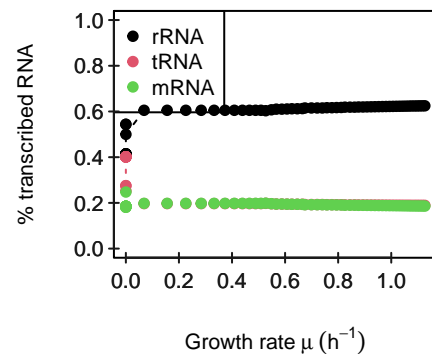
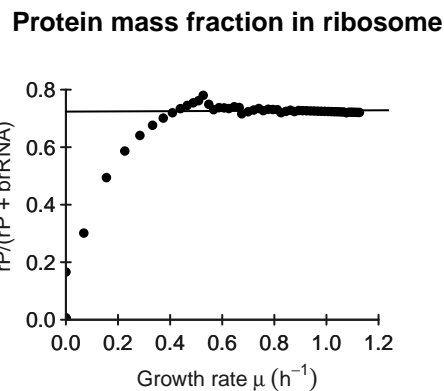
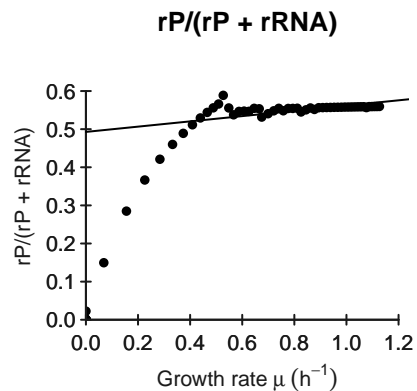
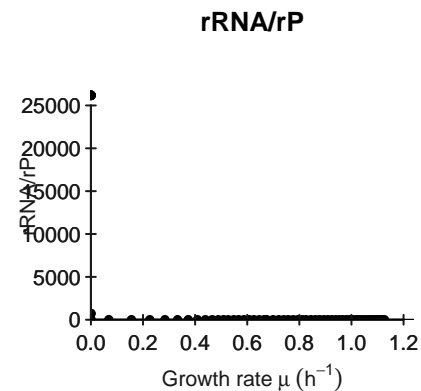
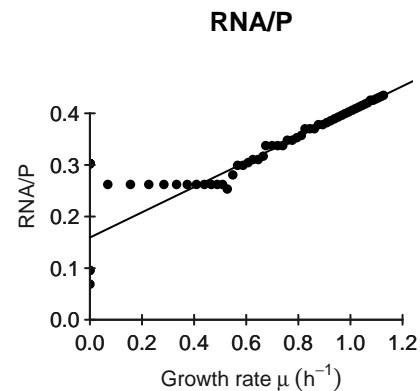
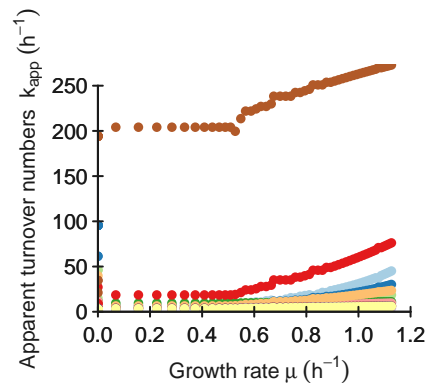
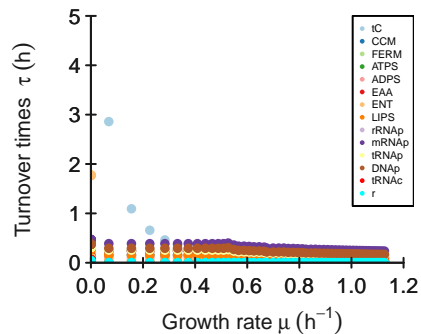
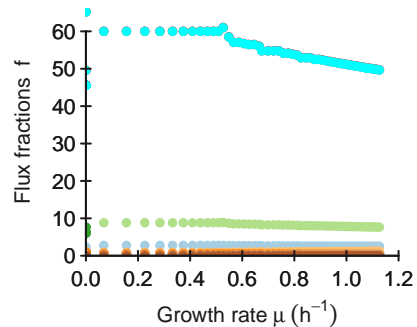


LIPS**rRNAp****mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]
kcatf	700	100	2000	70	14	12	220	73	15	10	15	16	15000	900
kcatb	70	100	200	7	1	1	22	7	0	0	0	0	0	0

Keq

[1,]	[,1] 100	[,2] 5	[,3] 250	[,4] 150	[,5] 14	[,6] 960	[,7] 11.111111111111111	[,8] 17.3809523809524	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf
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minimal phi constraint

[1,]

$$[1]_0$$
$$[2]_0$$
$$[3]_0$$
$$[4]_0$$
$$[.5]_0$$
$$[6]_0$$
$$[7]_0$$
$$[8]_0$$
$$[9]_0$$

[,10]

[1]

[1]

1

minimal f constraint

[1,]

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

[10]
C

[1]

[;

1