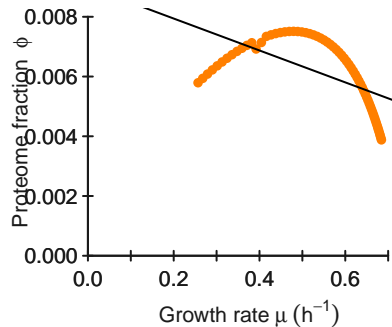
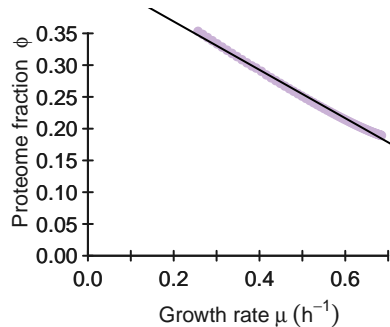
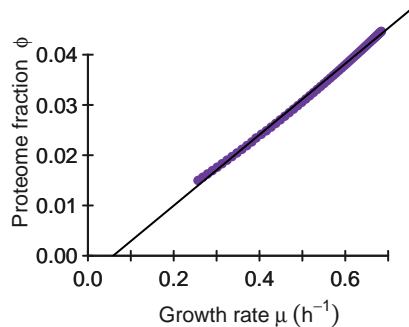
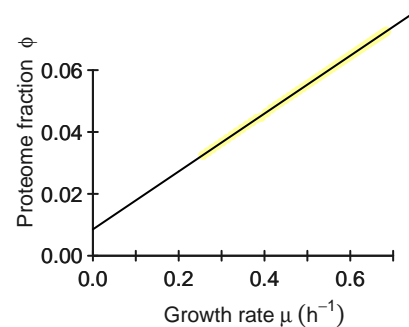
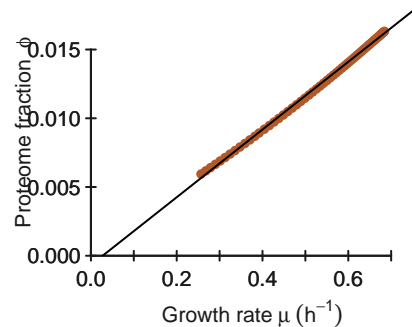
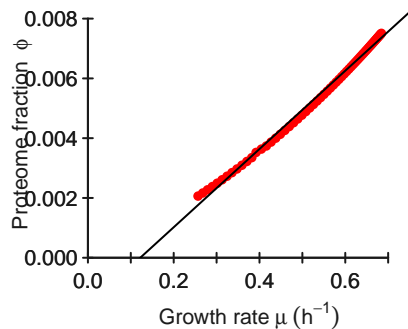
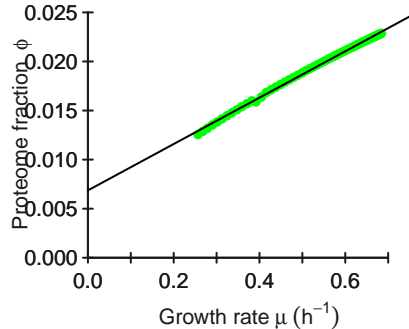
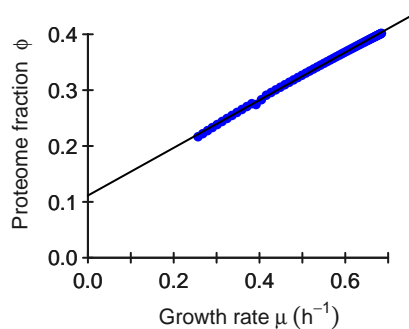
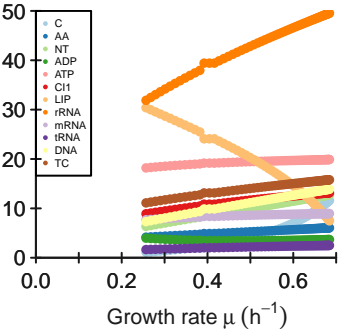
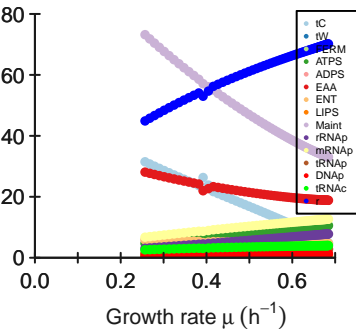
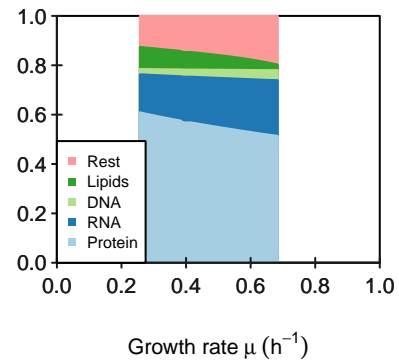
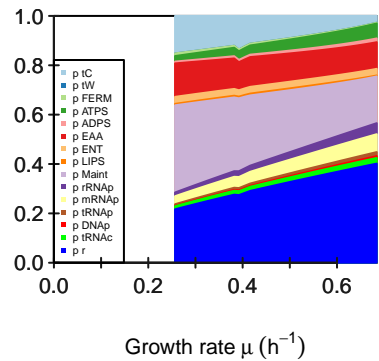


LIPS**Maint****rRNAp****mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)

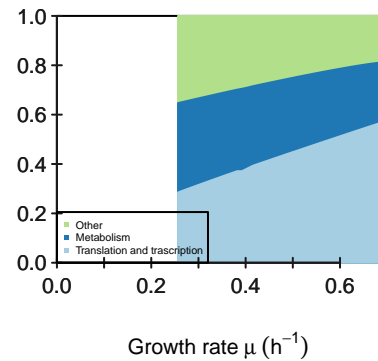
Predicted biomass



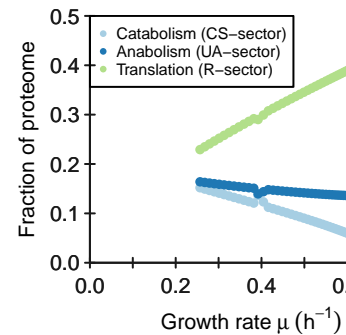
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	tC	tW	FERM	ATPS	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	DNAp	tRNAc	r
kcatf	1126	10	4710	471	12	14	152	58	68	9	1	9	15	10310	626
kcatb	113	1	471	47	1	1	15	6	0	0	0	0	0	0	0

Keq

[1,]	2391.50442477876	[,1] 15	[,2] 70	19.4858156028369	[,3] 6	[,4] 21	5.06666666666667	[,5] 112.777777777778	[,6] Inf	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf
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phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]
	0.002	0.02	0.041	0.046	0.005	0.165	0.023	0.031	0.287	0.0426	0.0213	0.0071	0.002	0.023	0.284

average saturation input

3

minimal phi constraint

[1,]	[1] 0	[2] 0	[3] 0	[4] 0	[5] 0	[6] 0	[7] 0	[8] 0	[9] 0	[10] 0	[11] 0	[12] 0	[13] 0	[14] 0	[15] 0
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minimal f constraint

[1,]	[,1] 0	[,2] 0	[,3] 0	[,4] 0	[,5] 0	[,6] 0	[,7] 0	[,8] 0	[,9] 8	[,10] 0	[,11] 0	[,12] 0	[,13] 0	[,14] 0	[,15] 0
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