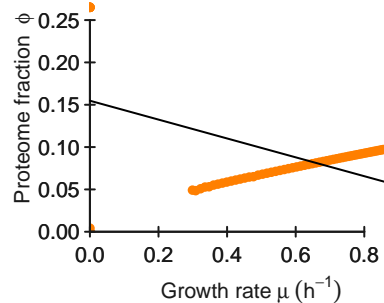
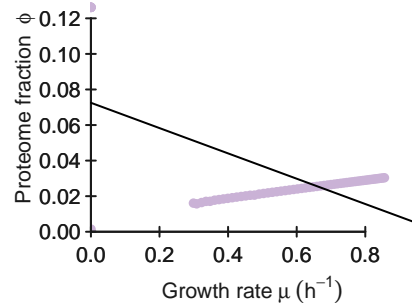


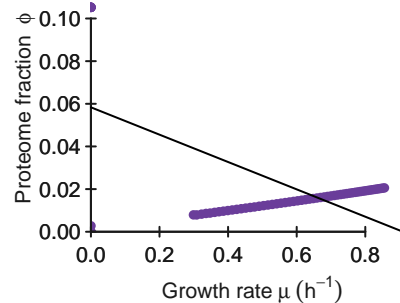
rRNAp



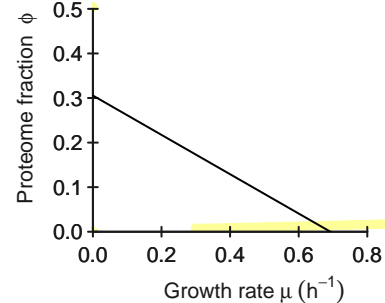
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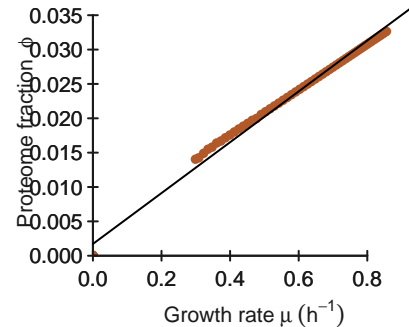
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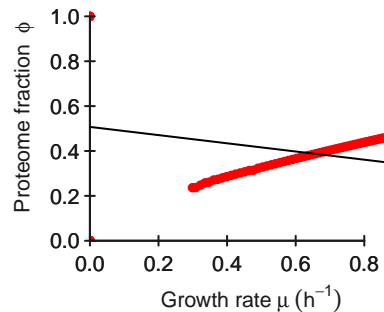
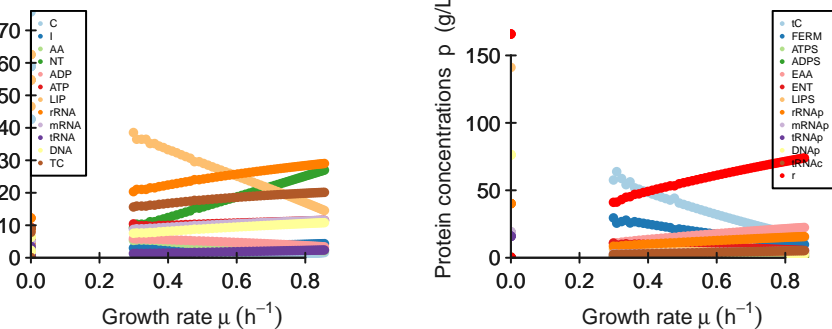
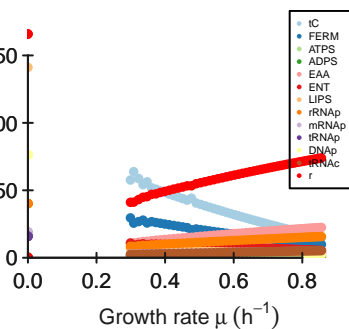
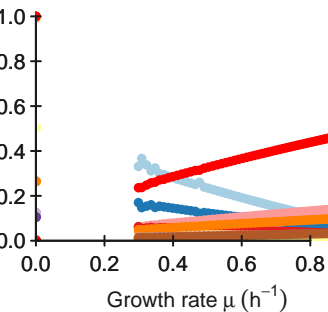
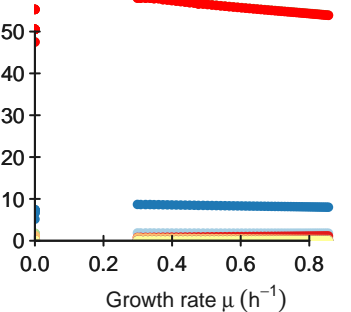
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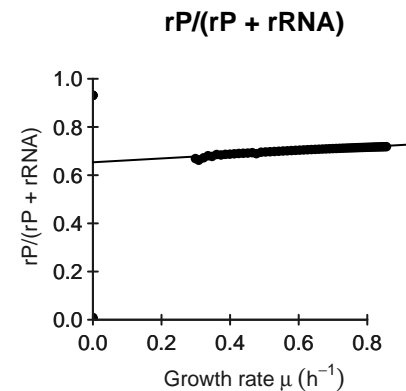
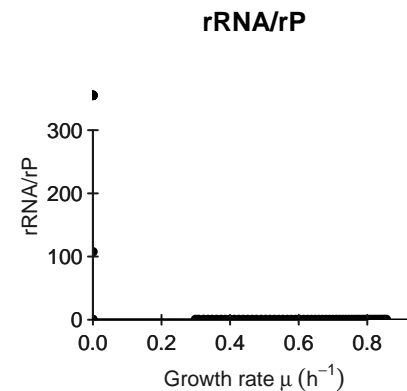
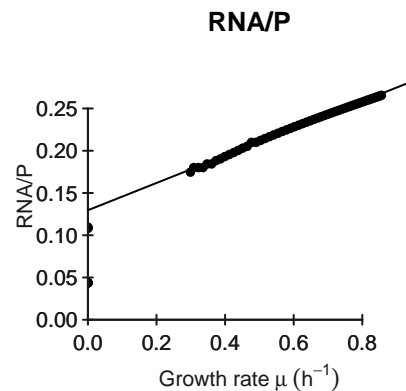
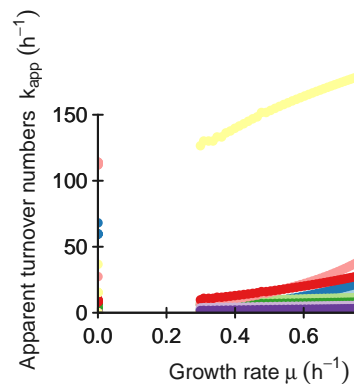
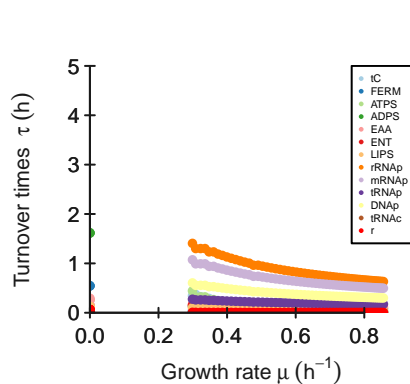


tRNAc

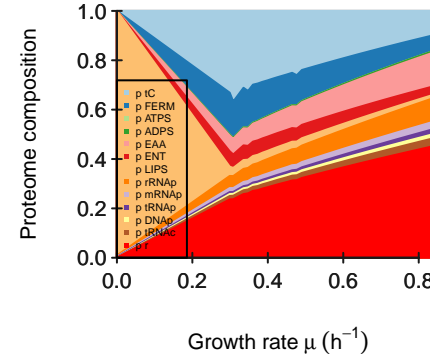
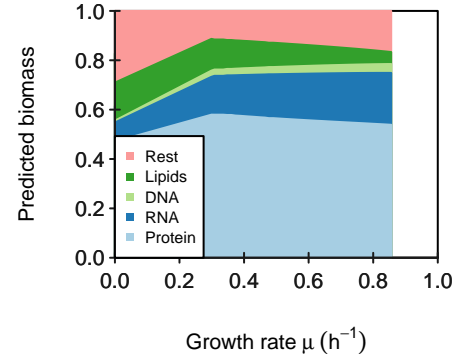
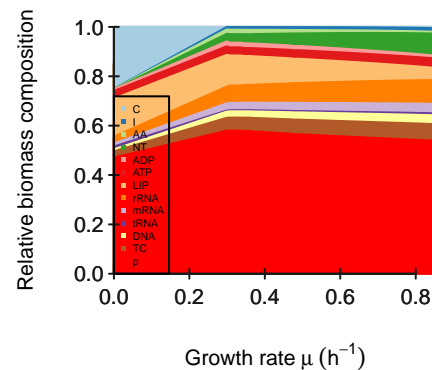
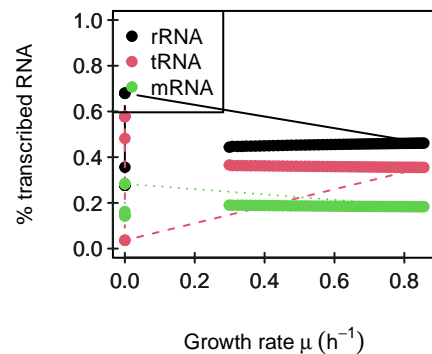
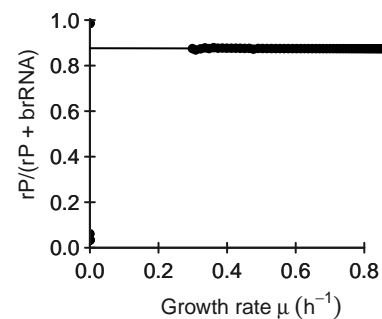


r

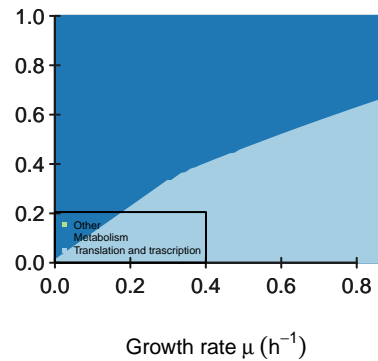
Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ Flux fractions f 



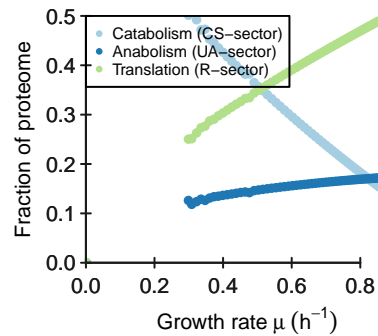
Protein mass fraction in ribosome



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]
kcatf	700	1000	100	14	12	220	73	15	10	15	16	15000	900
kcatb	70	100	10	1	1	22	7	0	0	0	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]		[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]
	200	300	120	14	36	45	26.0714285714286		Inf	Inf	Inf	Inf	Inf	Inf

minimal phi constraint

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

minimal f 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
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