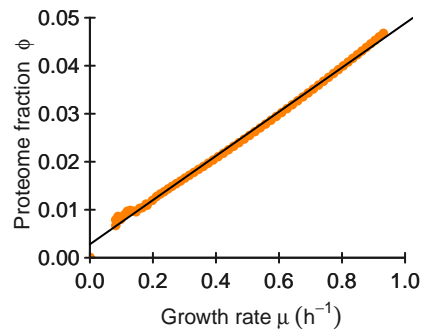
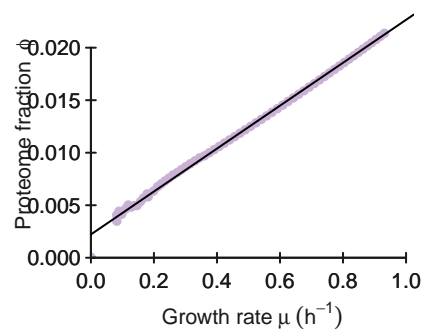
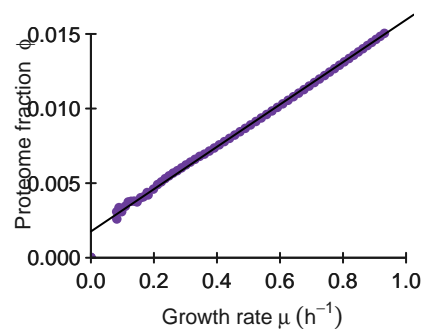
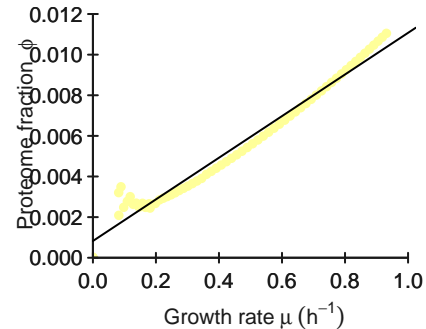
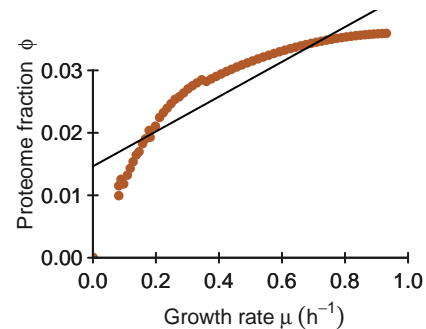
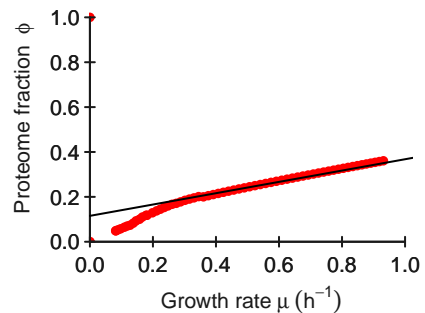
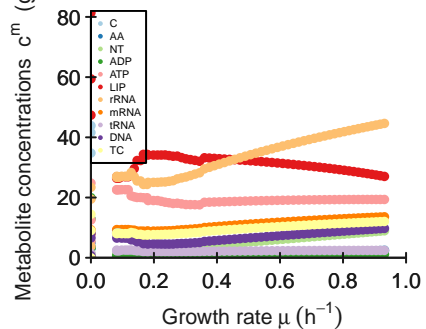
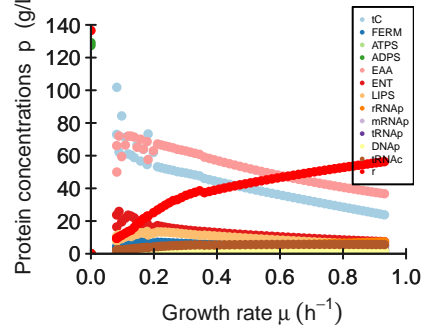
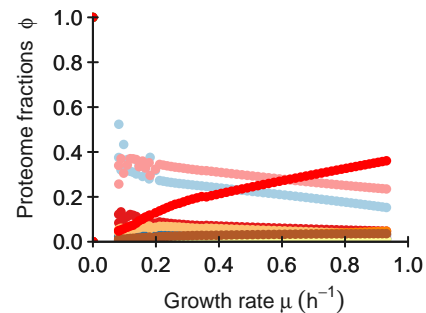
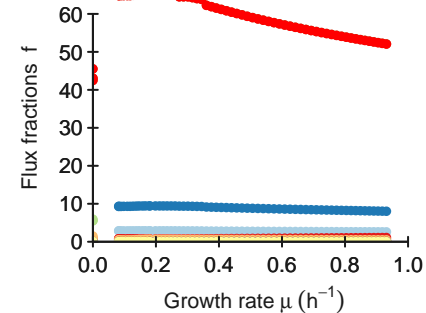
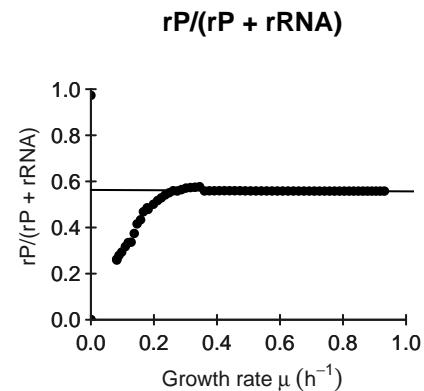
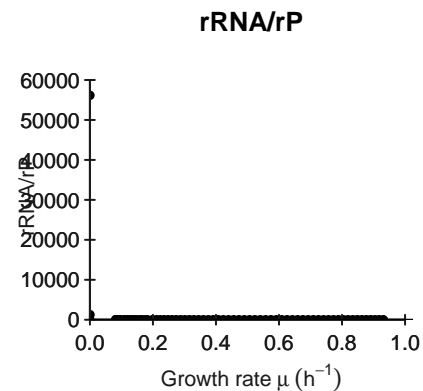
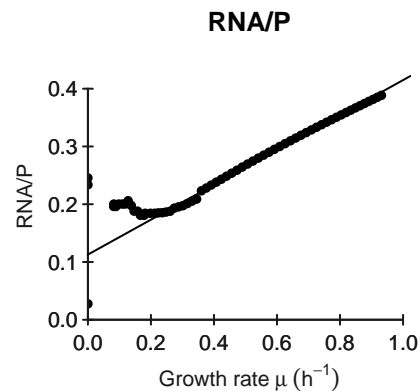
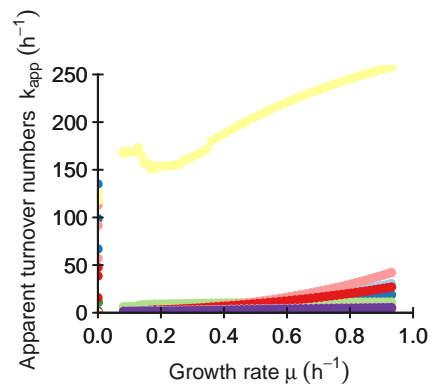
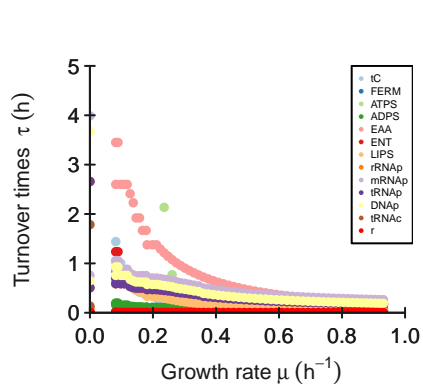
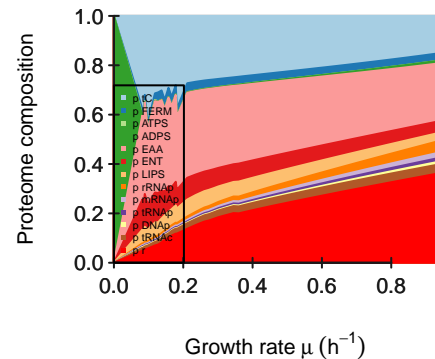
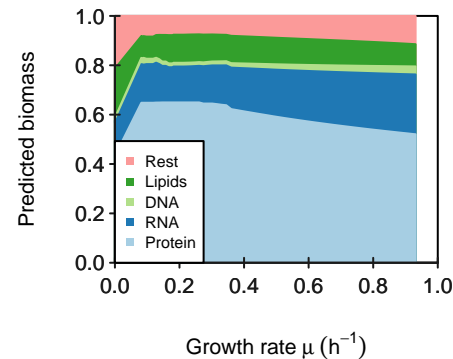
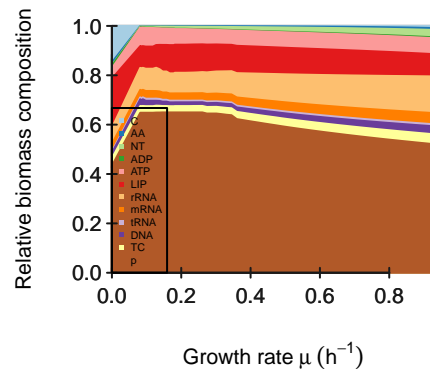
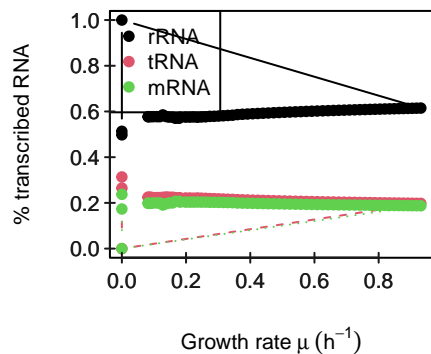
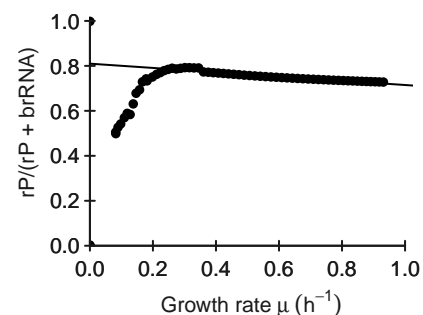


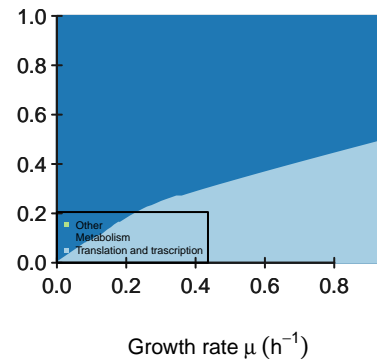
rRNAp**mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ Flux fractions f 



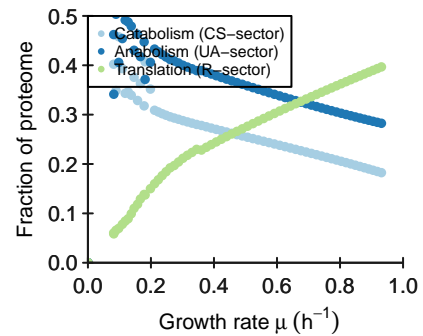
Protein mass fraction in ribosome



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	150	14	12	220	73	15	10	15	16	15000	900
kcatb	70	100	15	1	1	22	7	0	0	0	0	0	0

Keq

[1,]	[,1] 100	[,2] 2500	[,3] 50	[,4] 14	[,5] 30	5.555555555555556	[,6]	26.0714285714286	[,7]	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf
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minimal phi constraint

[illegible]

minimal f 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