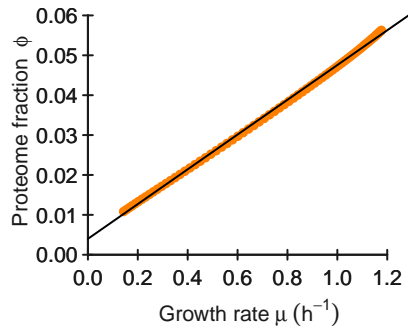
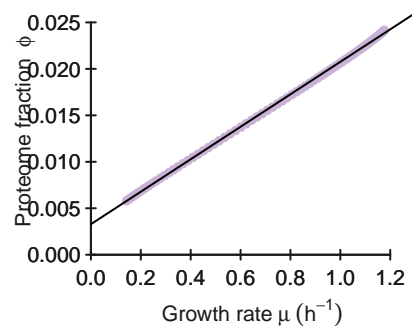
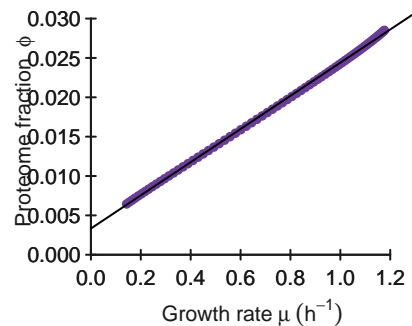
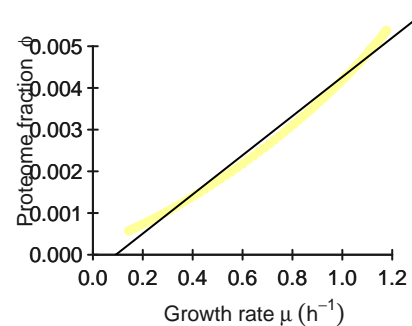
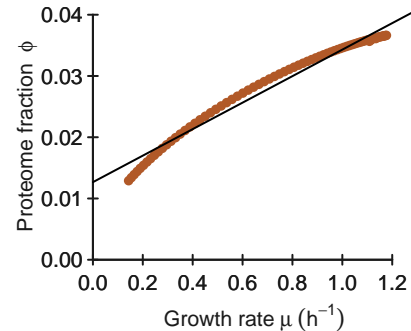
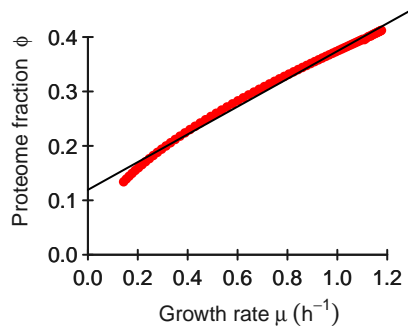
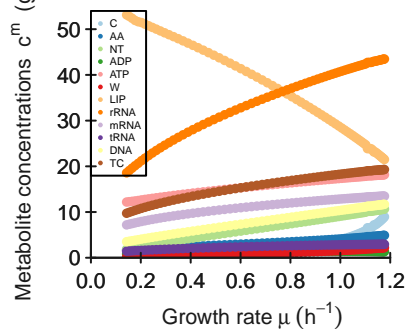
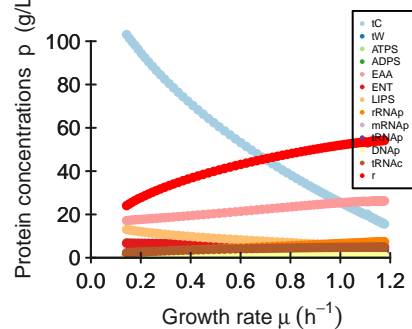
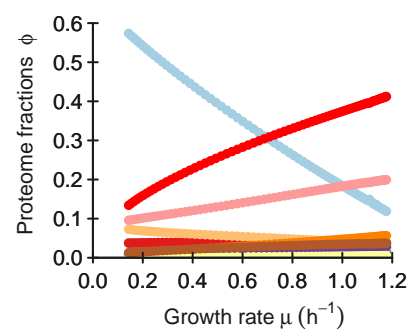
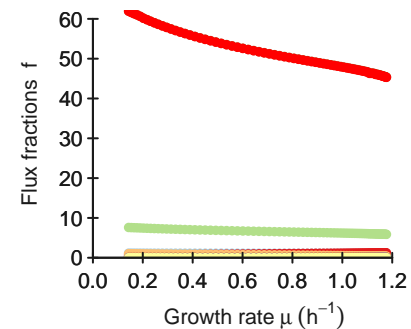
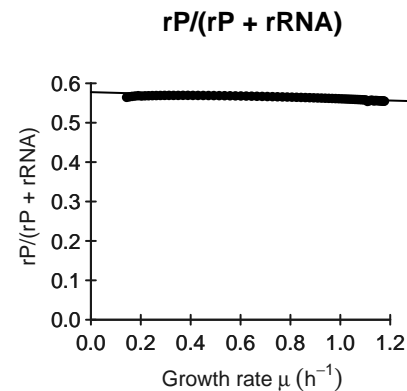
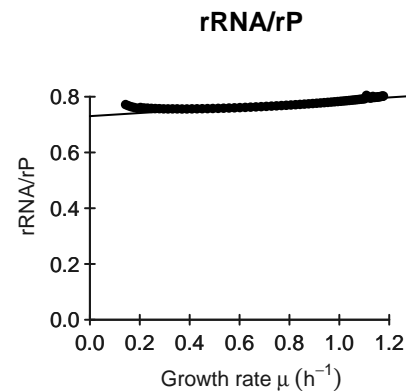
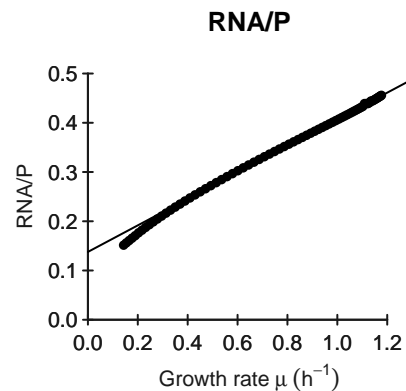
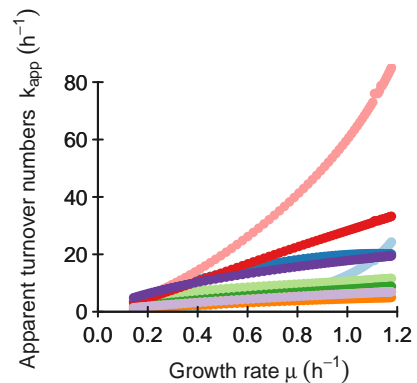
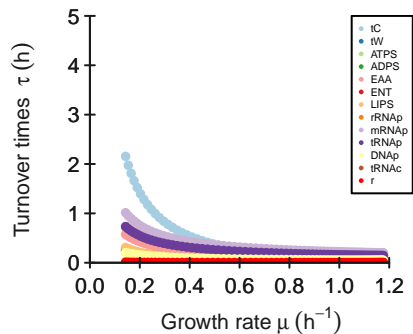
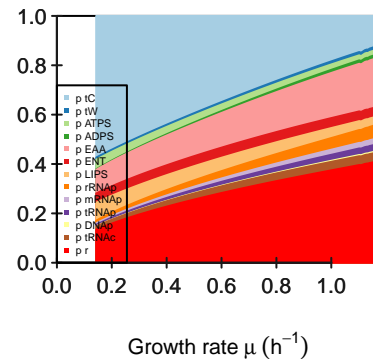
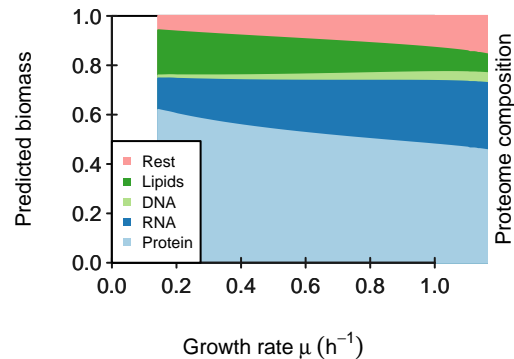
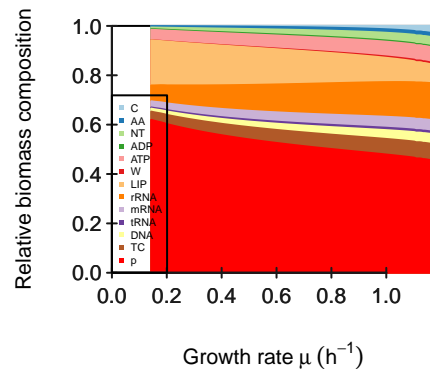
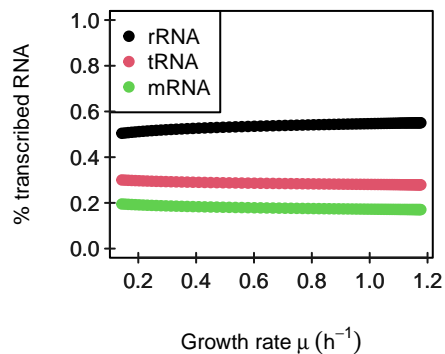
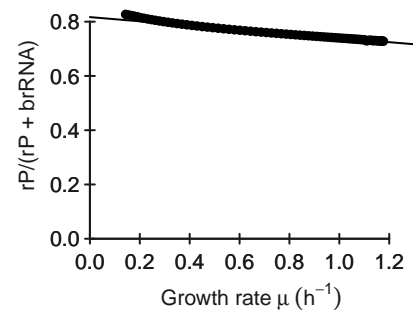


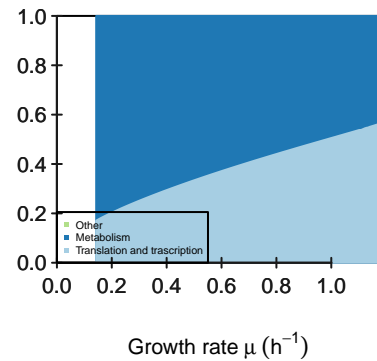
rRNAp**mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ Flux fractions f 



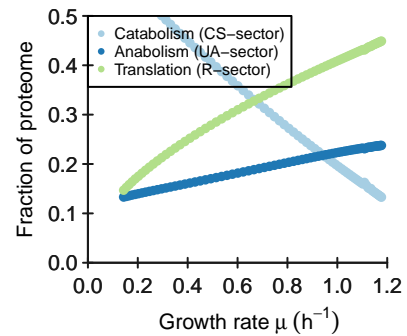
Protein mass fraction in ribosome



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	120	180	2400	20	10	200	40	18	13	18	42	12000	1200
kcatb	12	18	240	2	1	20	4	0	0	0	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]
	500	10	90	3.333333333333333	80	2.5	150	Inf	Inf	Inf	Inf	Inf	Inf

minimal phi constraint

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

minimal f constraint

[illegible]