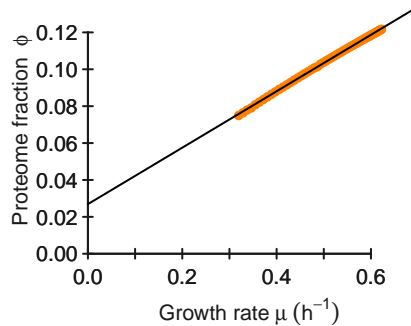
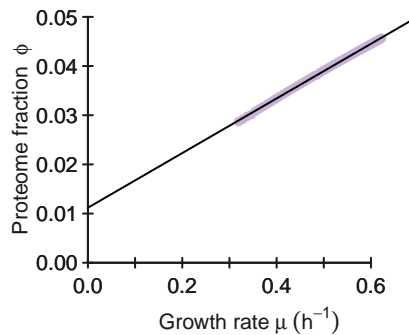
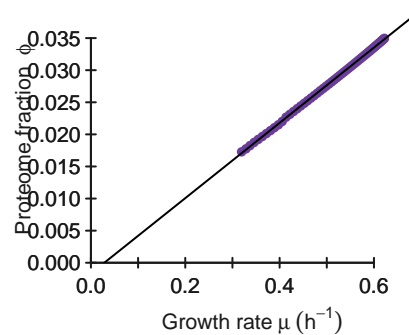
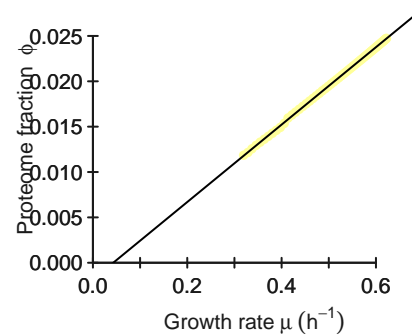
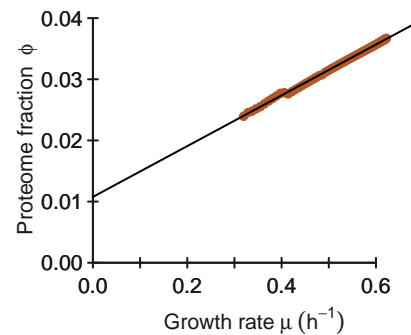
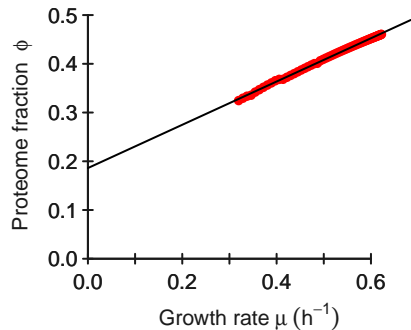
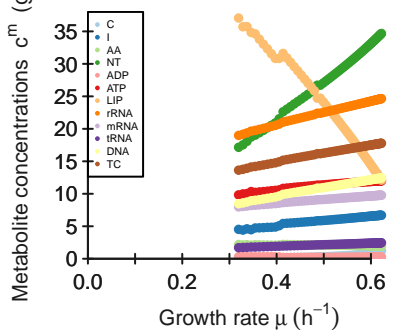
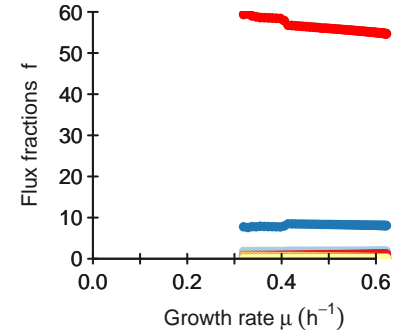
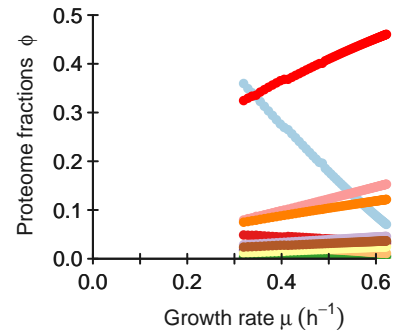
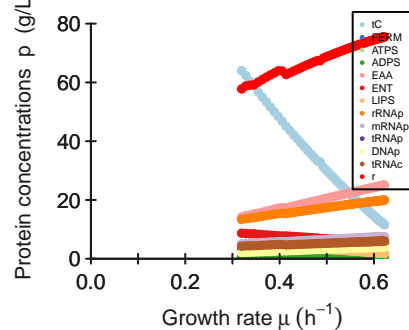
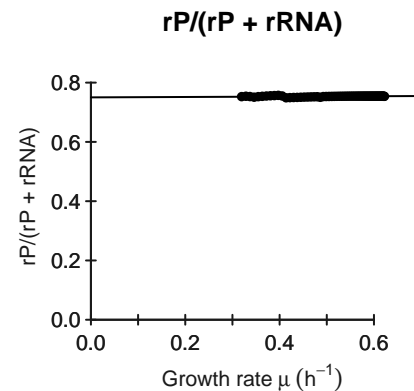
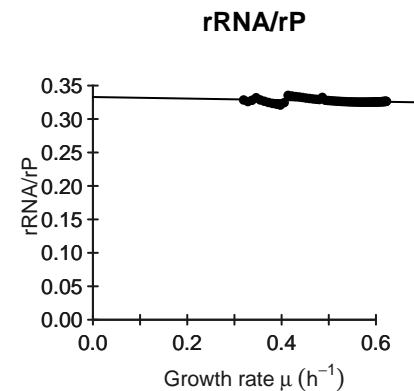
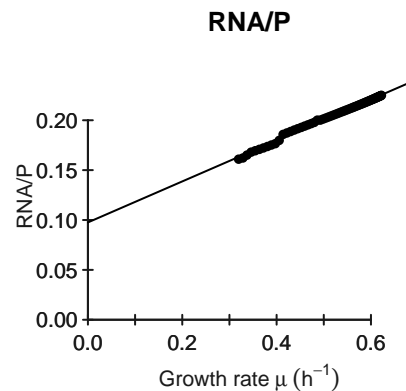
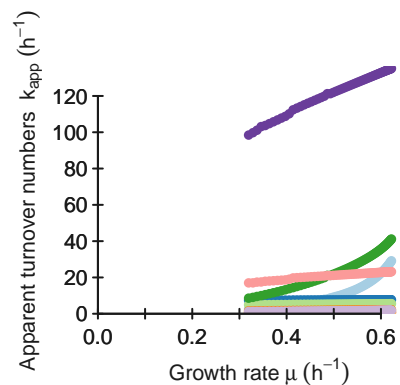
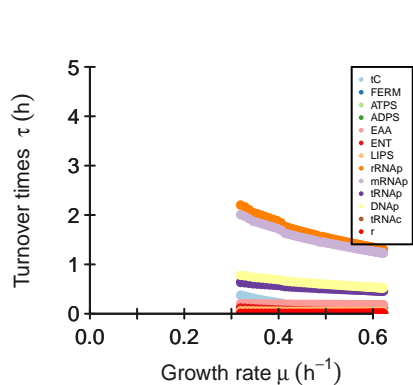
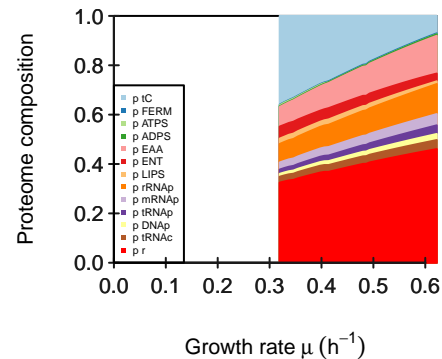
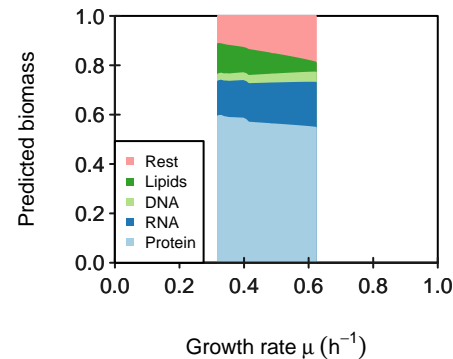
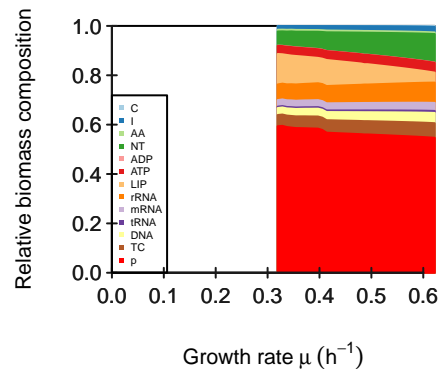
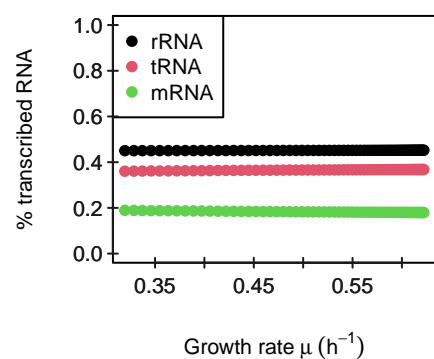
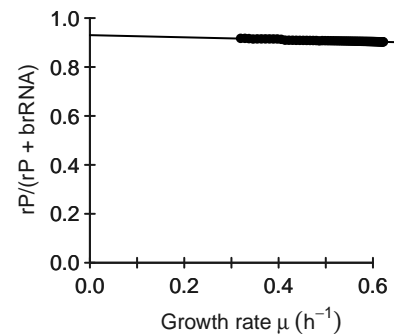


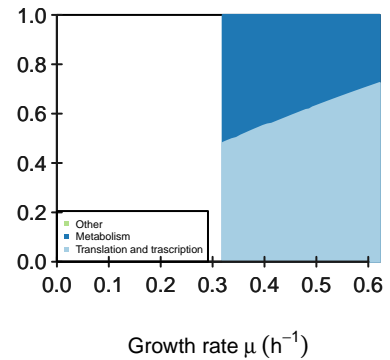
rRNAp**mRNAp****tRNAp****DNAp****tRNAc****r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)



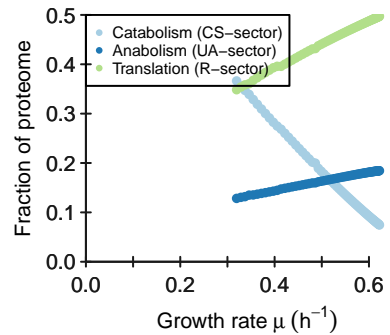
Protein mass fraction in ribosome



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	250	7000	1000	8	7	100	33	5	3	5	8	9000	750
kcatb	25	700	100	1	1	10	3	0	0	0	0	0	0

Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]
	1000	2e+06	20000	8	21	500	27.5	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

[illegible]