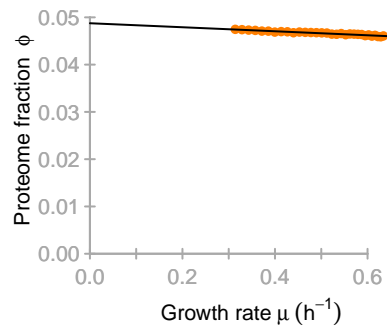
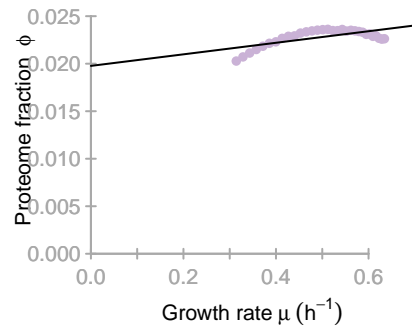
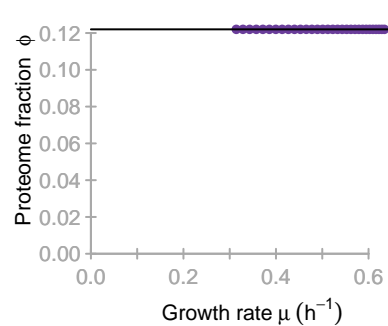
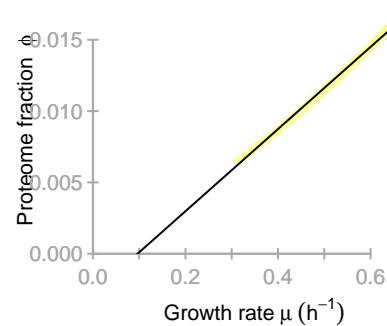
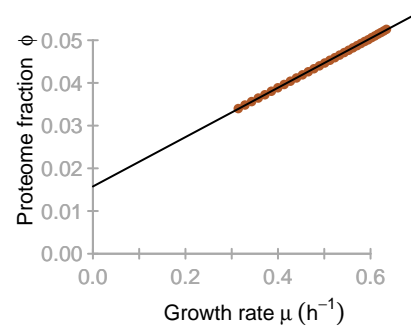
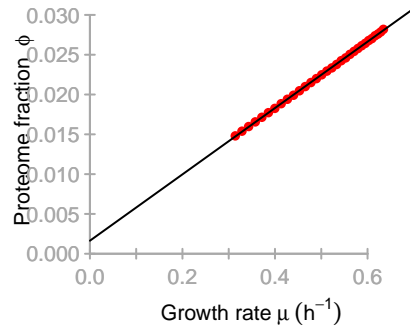
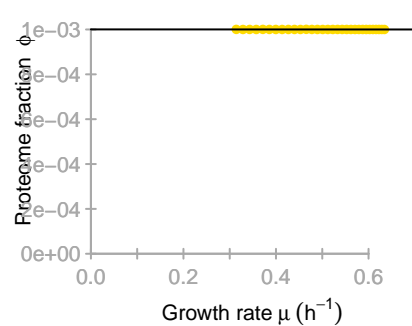
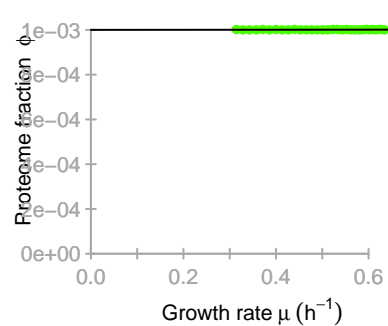
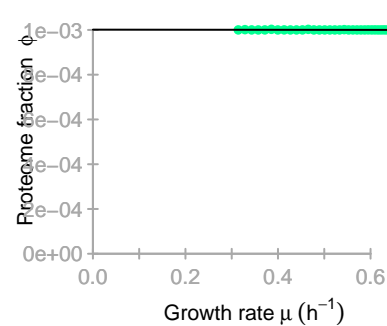
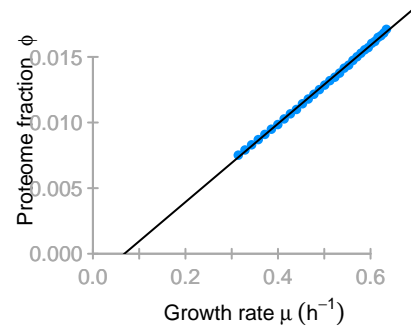
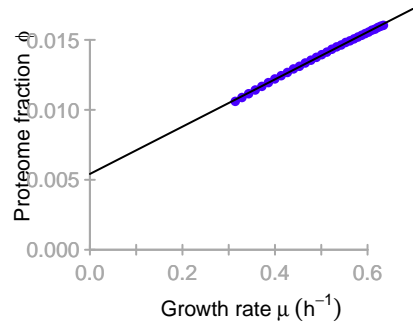
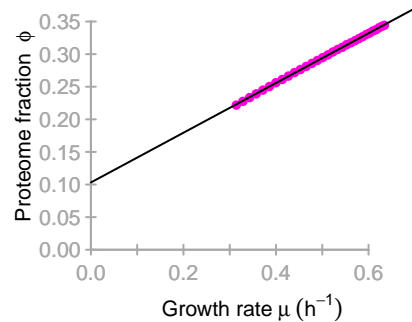
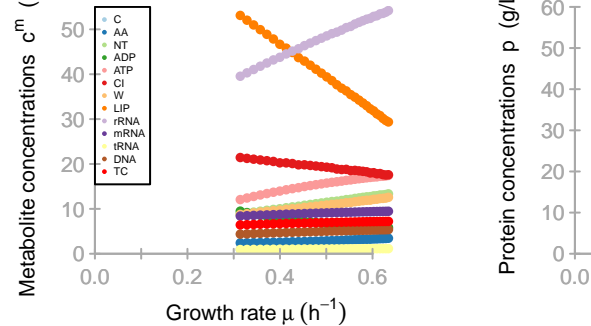
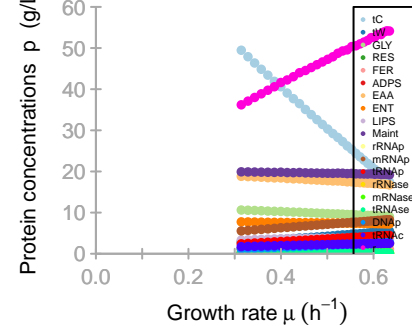
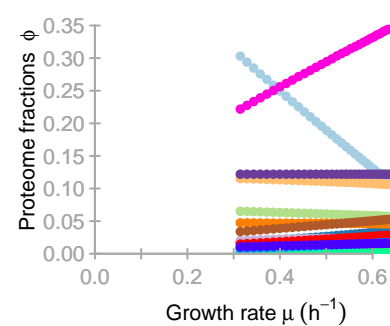
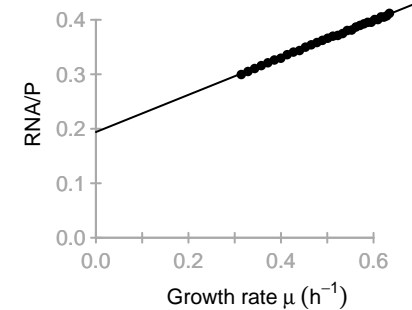
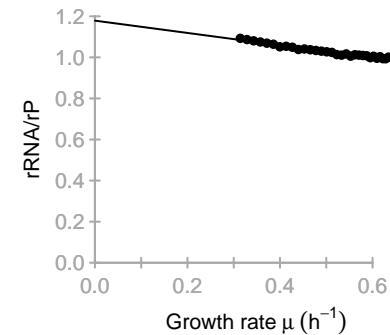
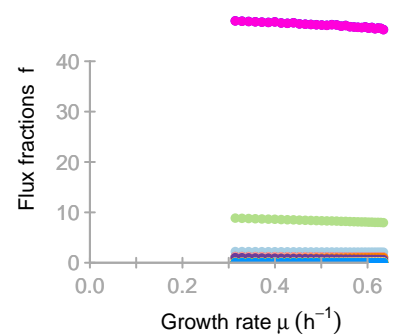
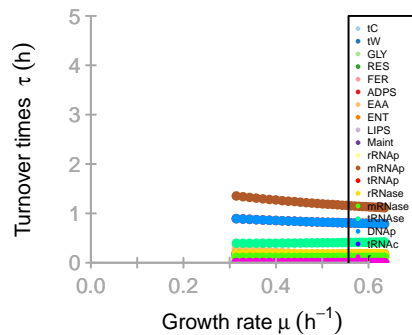
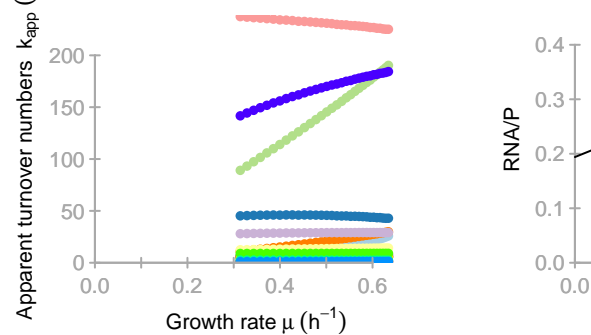
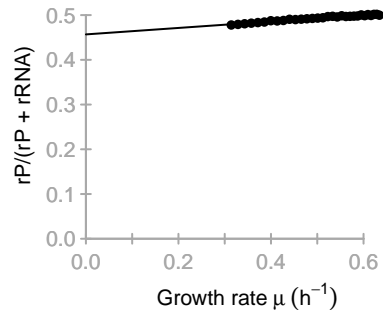


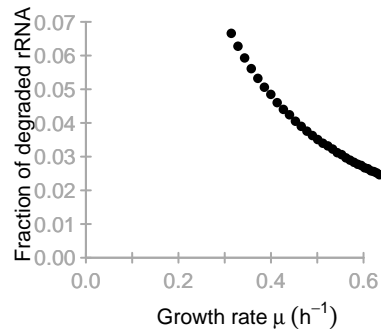
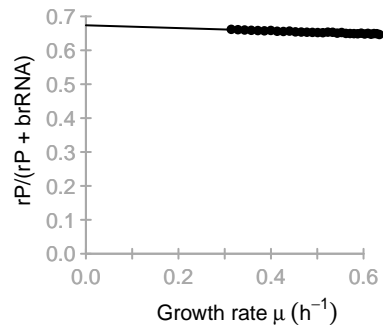
ENT**LIPS****Maint****rRNAp****mRNAp****tRNAp****rRNase****mRNase****tRNase****DNAp**

tRNA_c**r****Metabolite concentrations c^m (g/L)****Protein concentrations p (g/L)****Proteome fractions ϕ** **RNA/P****rRNA/rP****Flux fractions f** **Turnover times τ (h)****Apparent turnover numbers k_{app} (h^{-1})**

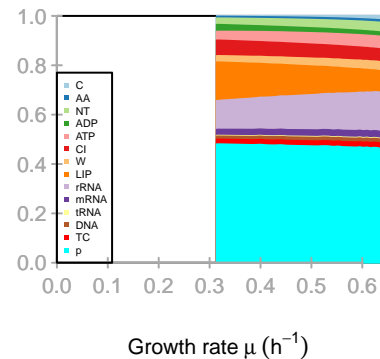
$rP/(rP + rRNA)$



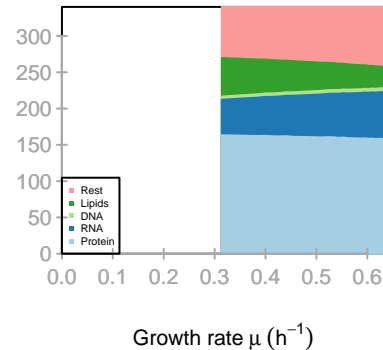
Protein mass fraction in ribosome



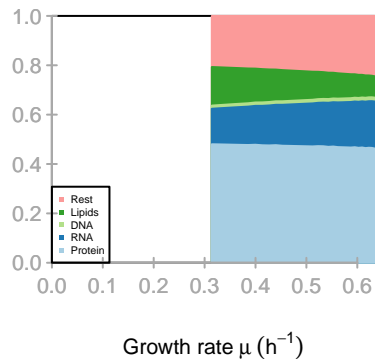
Relative biomass composition



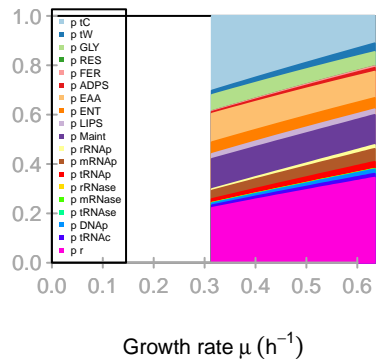
Macro composition



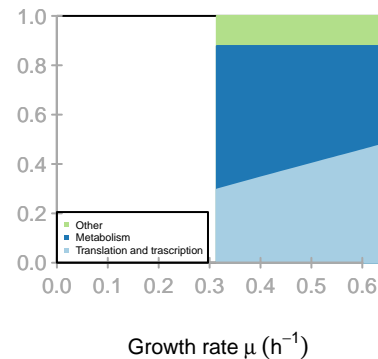
Macro composition



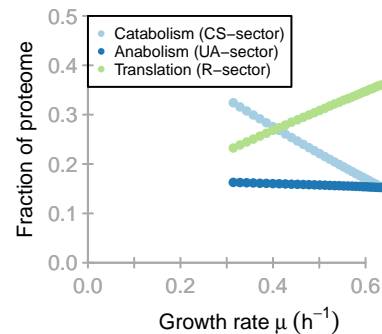
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat[illegible]

Keq

[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]	[,16]	[,17]
78.5	0.9234444976076555	2.49285714285714	361.6666666666667	103.702380952381	3.5	4.666666666666667	1.694444444444444	1.111111111111111	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]	[,16]	[,17]	[,18]	[,19]
	0.025	0.01	0.08	0.08	0.01	0.01	0.15	0.04	0.1	0.122	0.01	0.01	0.01	0.001	0.001	0.001	0.02	0.02	0.3

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] 0.122	[,11] 0	[,12] 0	[,13] 0	[,14] 0.001	[,15] 0.001	[,16] 0.001	[,17] 0	[,18] 0	[,19] 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	[14] 0	[15] 0	[16] 0	[17] 0	[18] 0	[19] 0
------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------