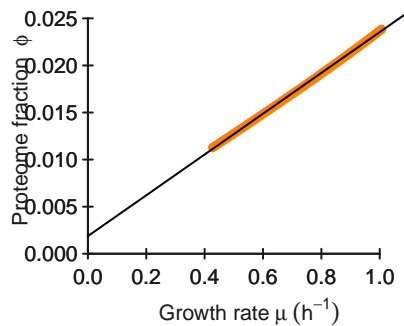
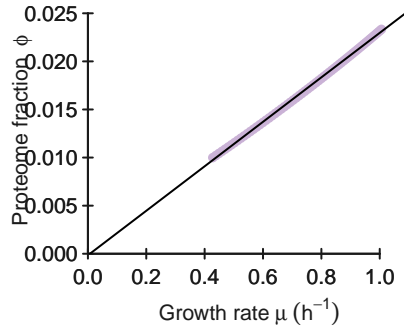


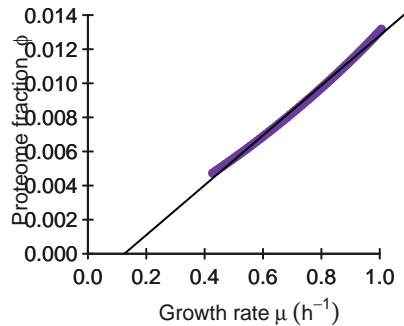
mRNAp



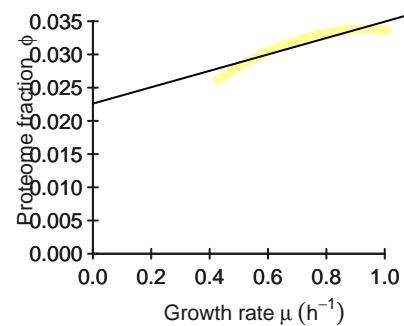
tRNAp



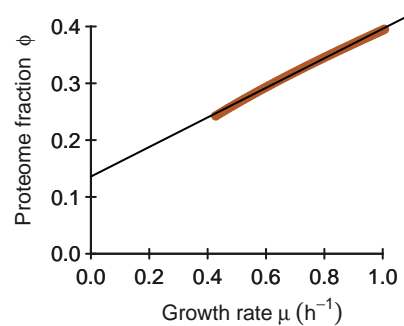
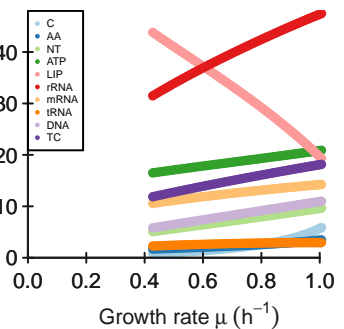
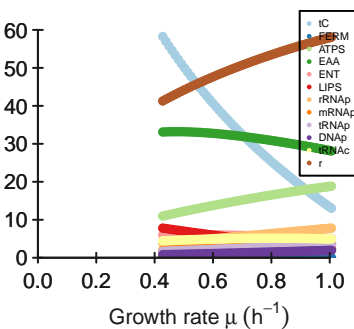
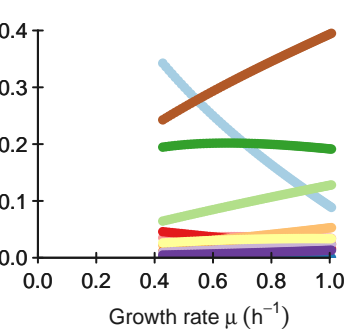
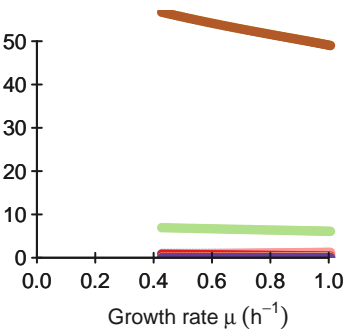
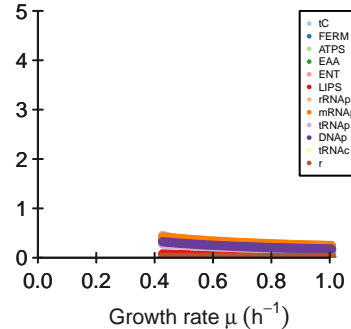
DNAp

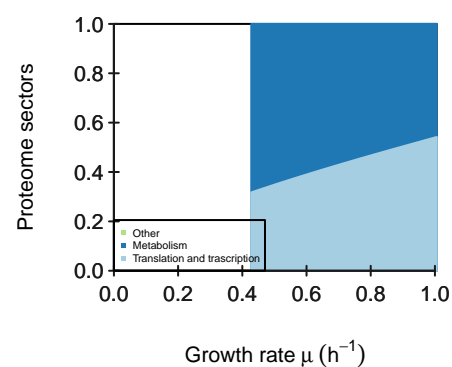
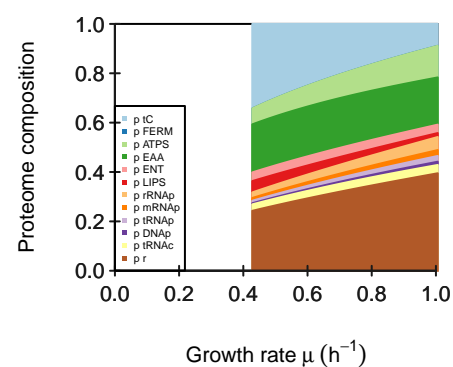
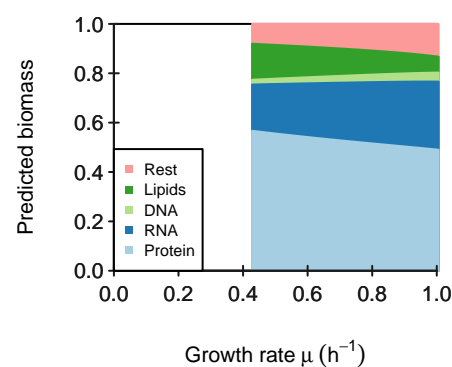
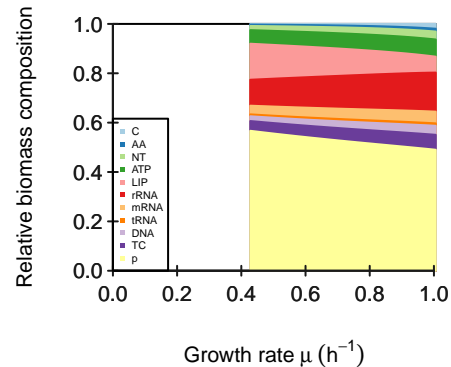
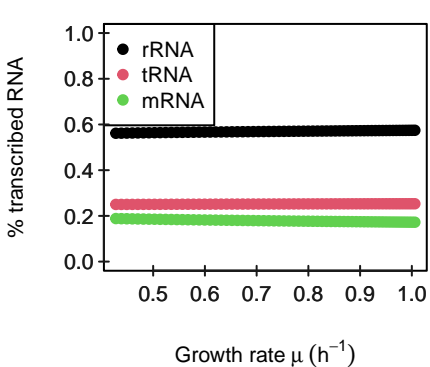
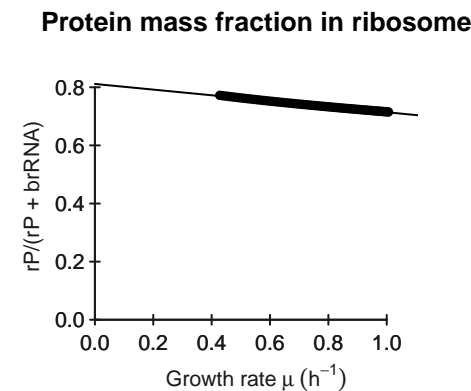
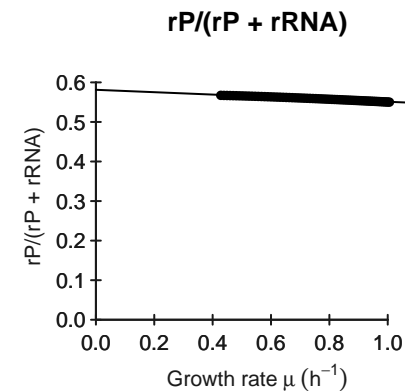
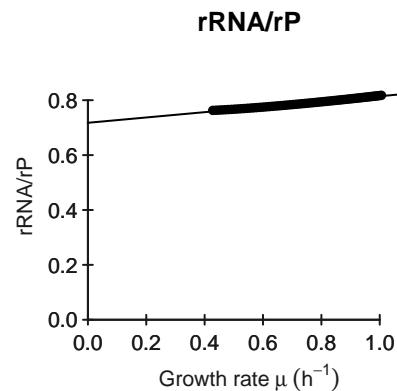
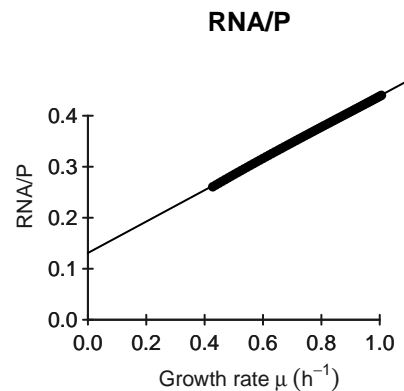
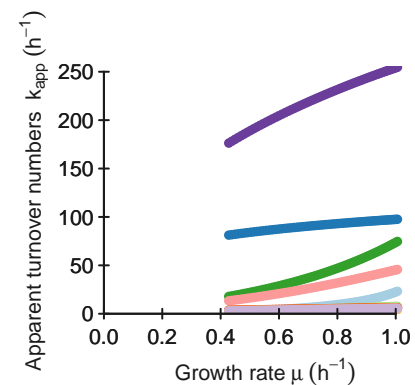


tRNAc

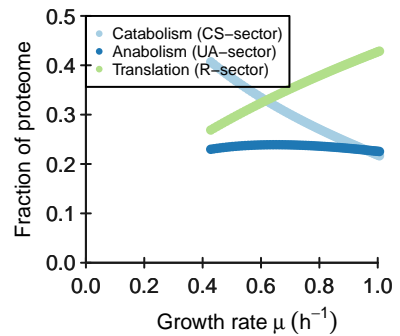


r

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



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

kcat[illegible]

Keq

[1,]	[,1] Inf	[,2] Inf	[,3] Inf	[,4] Inf	[,5] Inf	[,6] Inf	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf
-------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	--------------------	---------------------	---------------------	---------------------

minimal phi 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

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