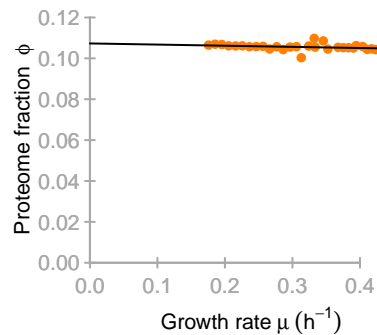
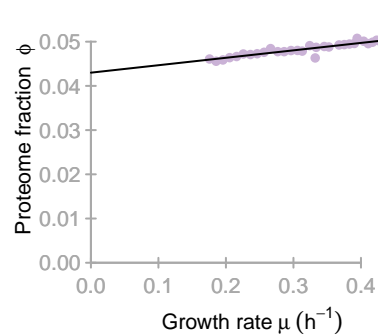
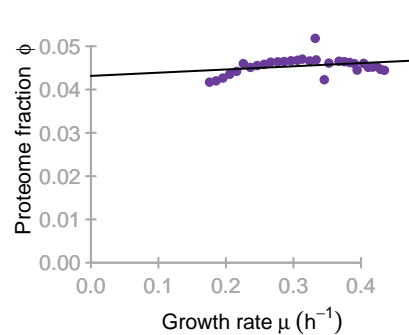
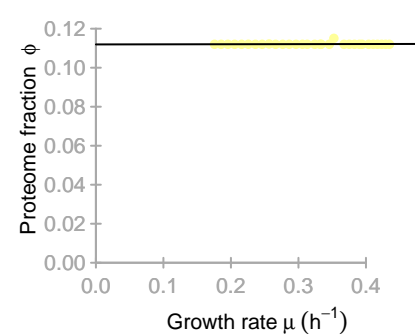
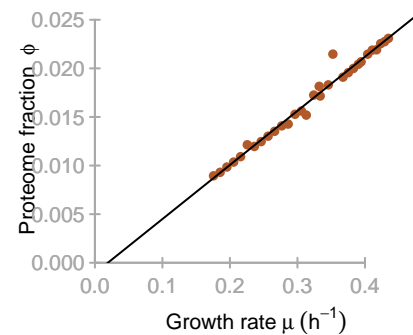
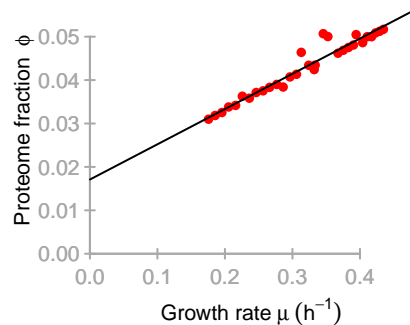
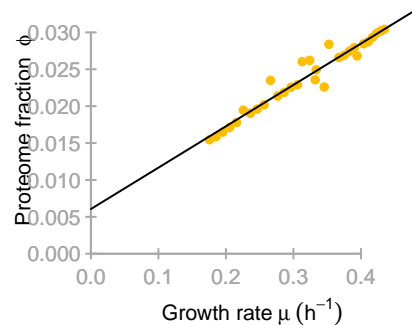
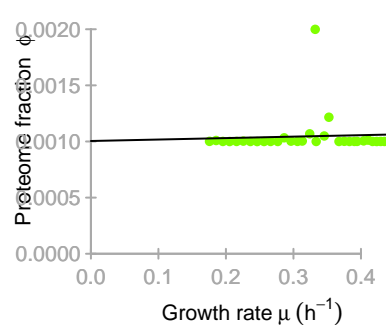
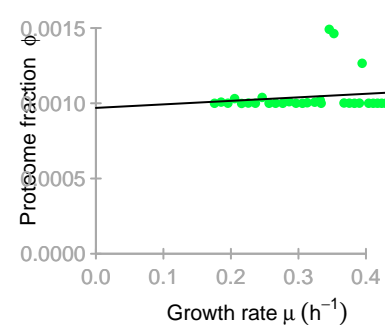
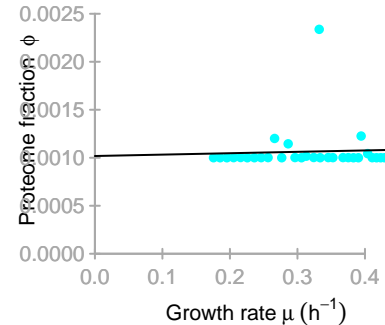
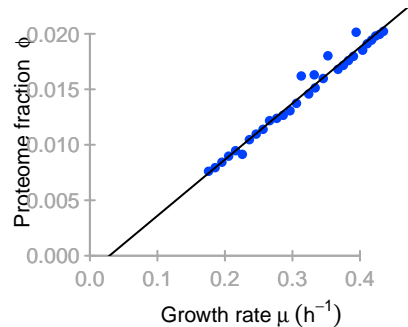
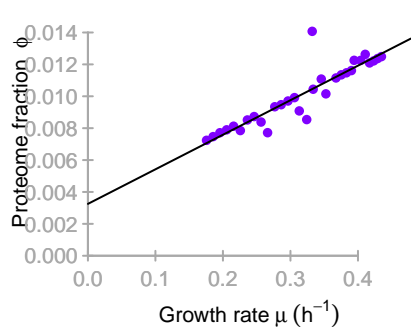


EAA**ENT****LIPS****Maint****rRNAp****mRNAp****tRNAp****rRNase****mRNase****tRNase**

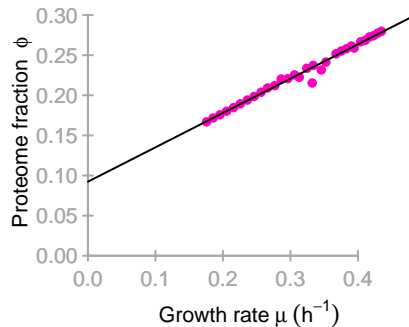
DNAp



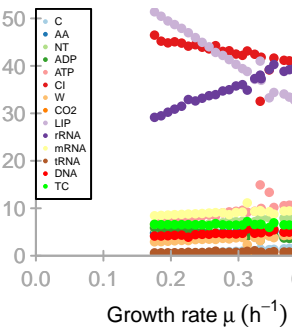
tRNAc



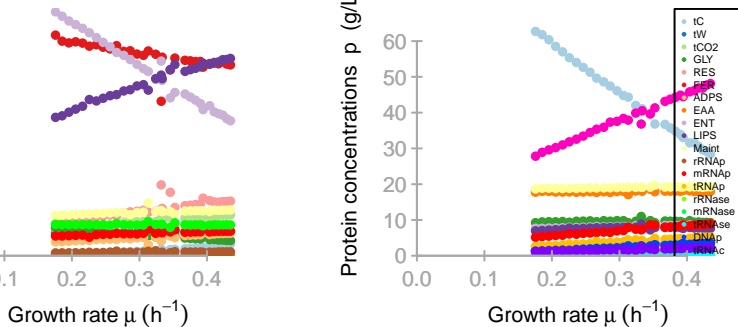
r



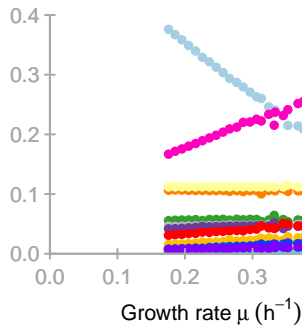
Metabolite concentrations c^m (g/L)



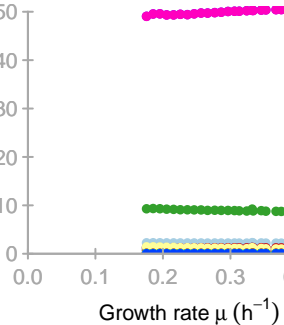
Protein concentrations p (g/L)



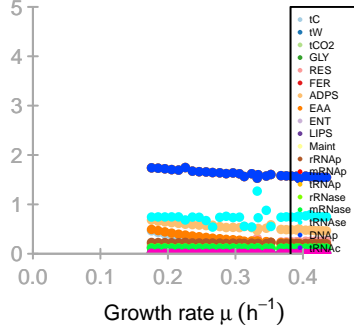
Proteome fractions ϕ



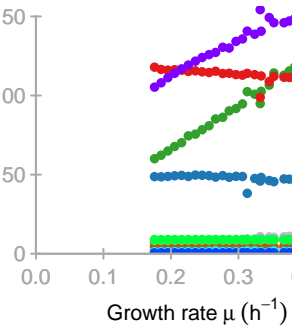
Flux fractions f



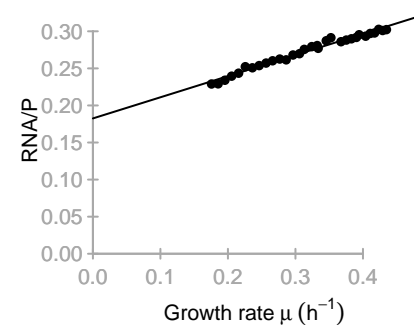
Turnover times τ (h)



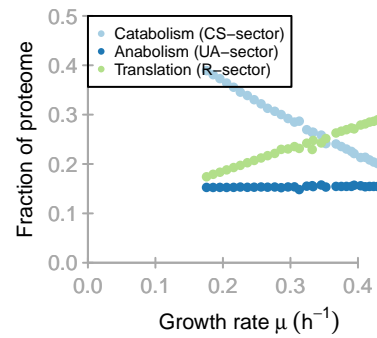
Apparent turnover numbers k_{app} (h^{-1})



RNA/P



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

Keq

$\frac{[1]}{37.7142857142857}$	$\frac{[2]}{4.93333333333333}$	$\frac{[3]}{10}$	$\frac{[4]}{3299.29411764706}$	$\frac{[5]}{3.14285714285714}$	$\frac{[6]}{0.358928571428571}$	$\frac{[7]}{6}$	$\frac{[8]}{0.464285714285714}$	$\frac{[9]}{4.33333333333333}$	$\frac{[10]}{0.357142857142857}$	$\frac{[11]}{\text{Inf}}$	$\frac{[12]}{\text{Inf}}$	$\frac{[13]}{\text{Inf}}$	$\frac{[14]}{\text{Inf}}$	$\frac{[15]}{\text{Inf}}$	$\frac{[16]}{\text{Inf}}$	$\frac{[17]}{\text{Inf}}$	$\frac{[18]}{\text{Inf}}$	[19]
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phi input

[1.]	[1] 0.05	[2] 0.01	[3] 0.01	[4] 0.07	[5] 0.07	[6] 0.01	[7] 0.01	[8] 0.15	[9] 0.035	[10] 0.1	[11] 0.112	[12] 0.01	[13] 0.01	[14] 0.01	[15] 0.001	[16] 0.001	[17] 0.001	[18] 0.02	[19] 0.02	[20] 0.3
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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	[11] 0.112	[12] 0	[13] 0	[14] 0	[15] 0.001	[16] 0.001	[17] 0.001	[18] 0	[19] 0	[20] 0
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minimal f constraint

[illegible]