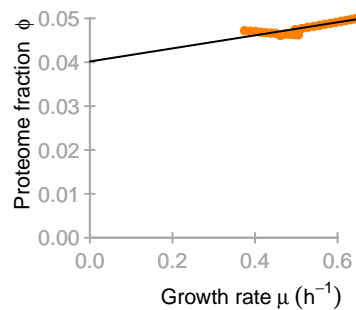
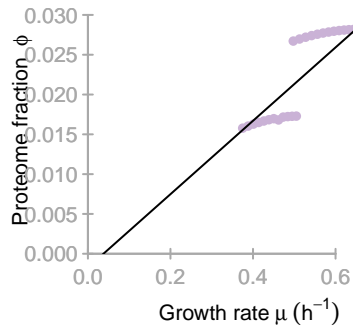
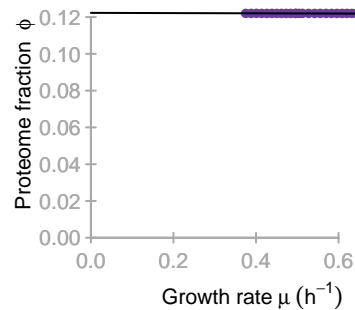
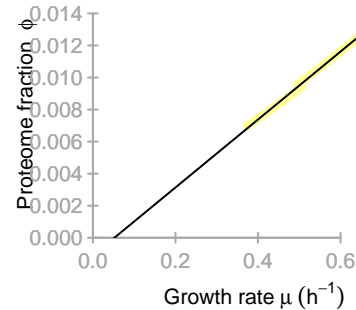
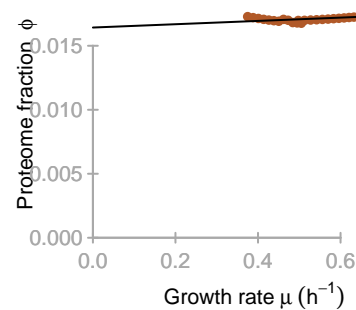
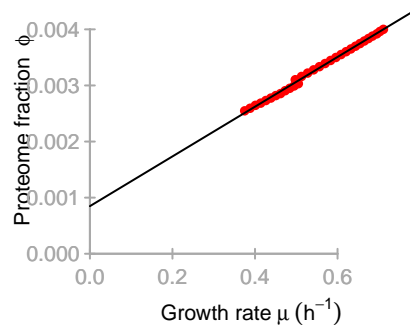
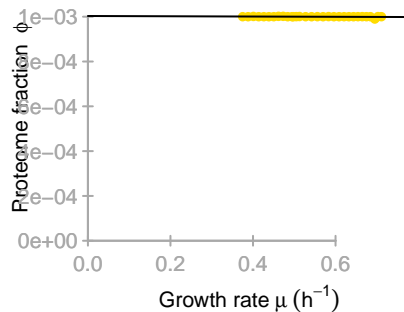
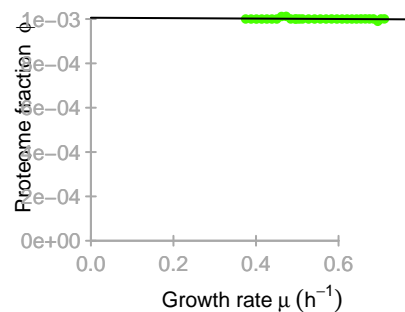
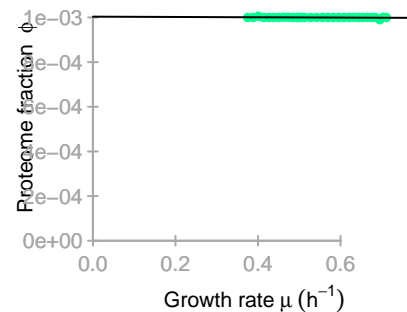
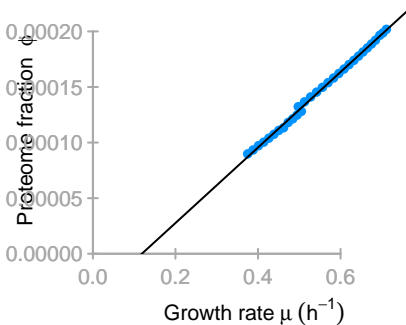
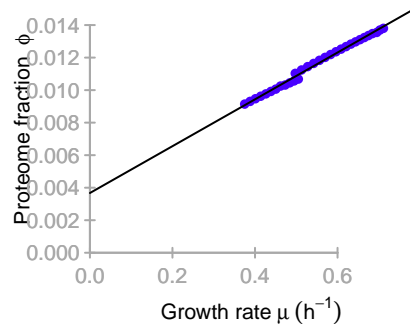
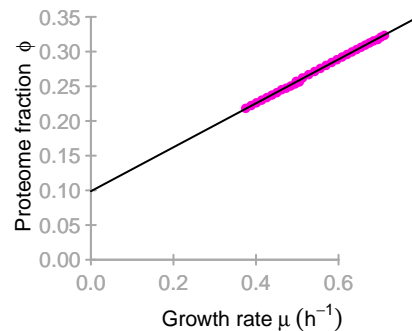
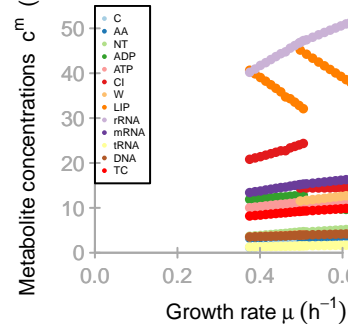
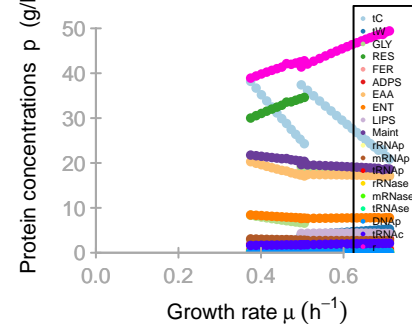
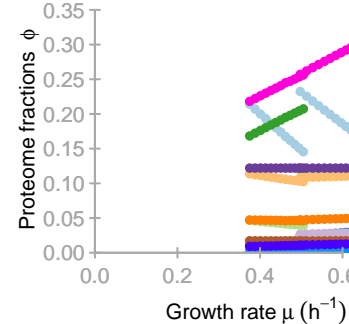
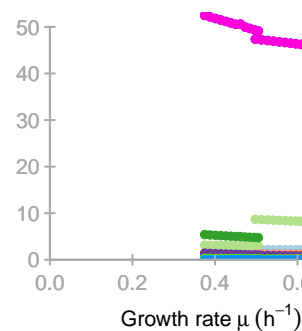
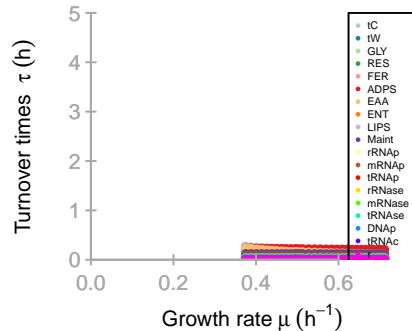
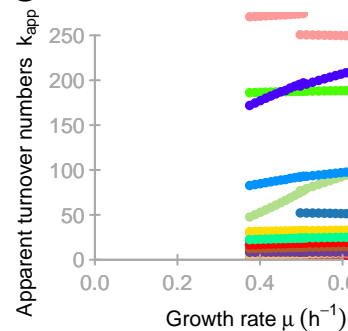
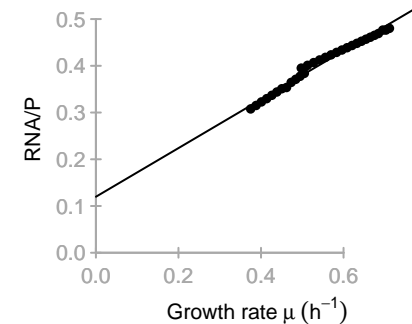
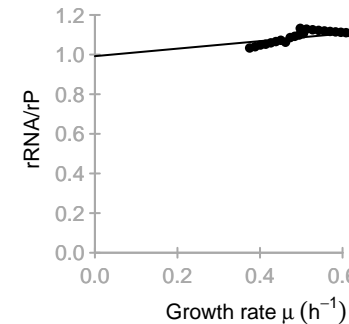
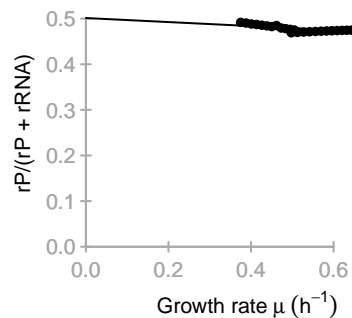


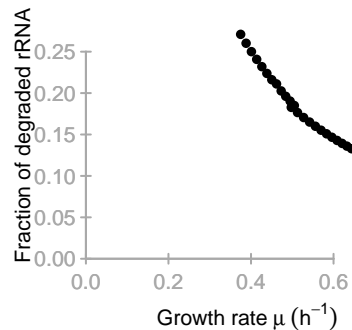
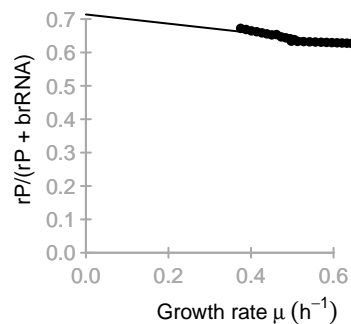
ENT**LIPS****Maint****rRNAp****mRNAp****tRNAp****rRNase****mRNase****tRNase****DNAp**

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****rRNA/rP**

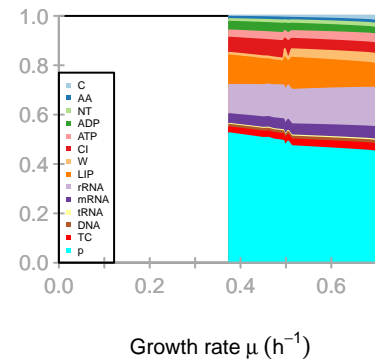
$rP/(rP + rRNA)$



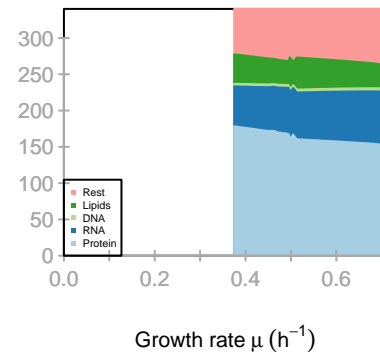
Protein mass fraction in ribosome



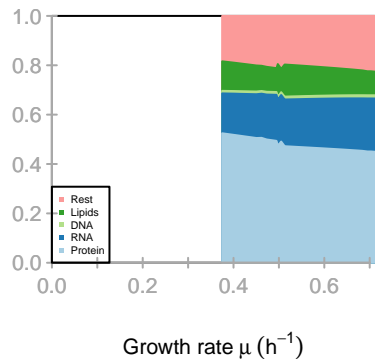
Relative biomass composition



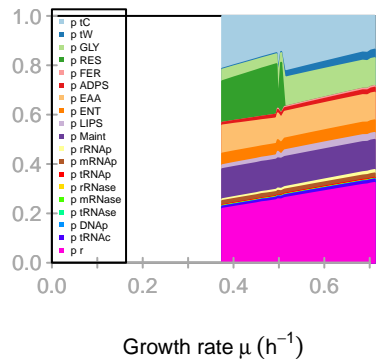
Macro composition



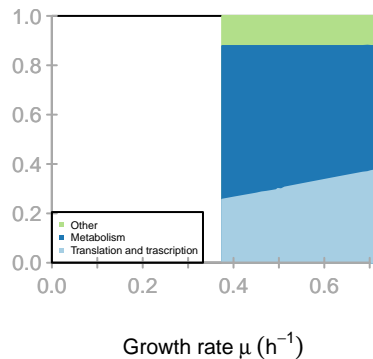
Macro composition



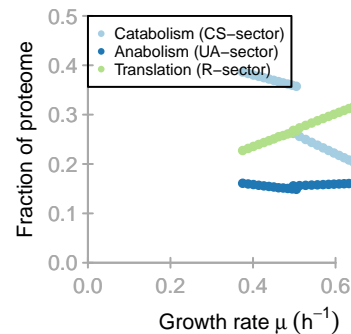
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

Keq

[1,]	[,1] 80	0.909090909090909	[,2] 542.5	[,3] 542.5	[,4] 155	[,5] 3.5	[,6] 7	50.8333333333333	[,8] 160	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf	[,16] Inf	[,17] Inf	[,18] Inf	[,19] Inf
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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
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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
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