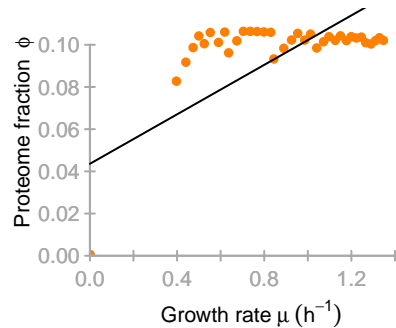
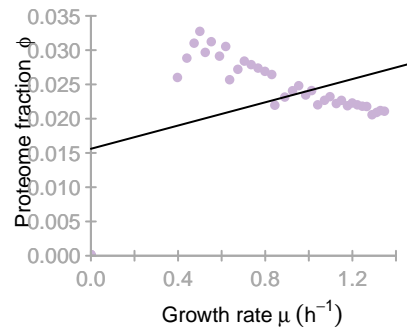
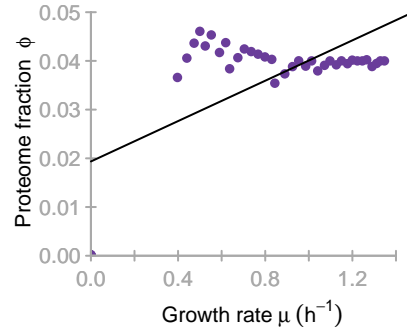
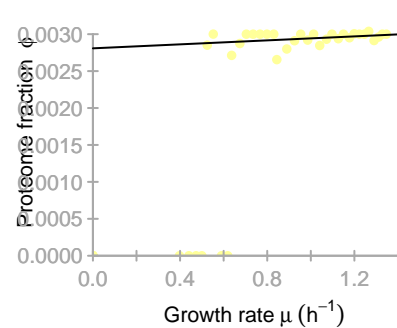
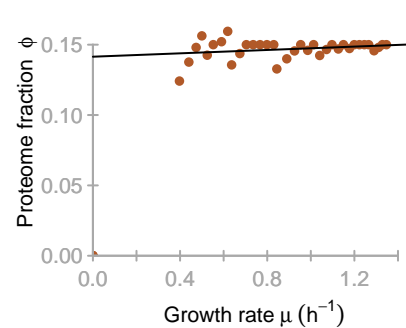
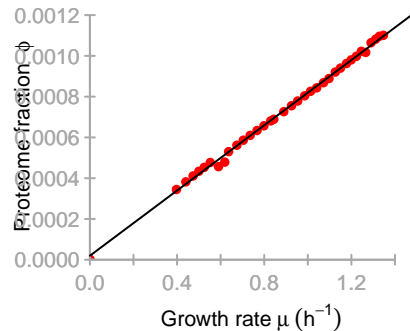
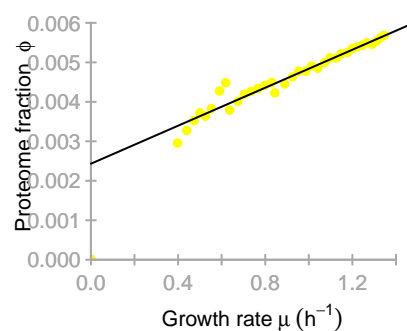
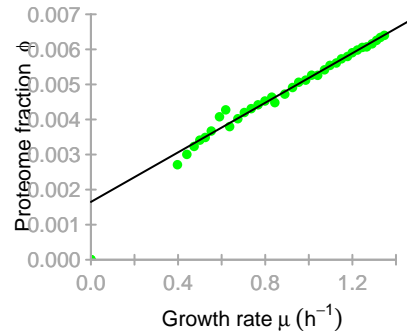
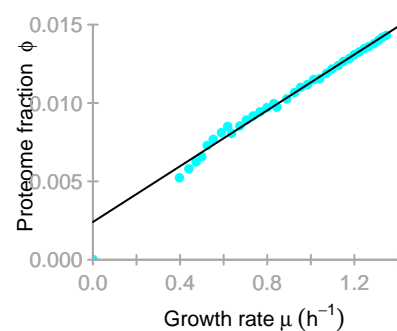
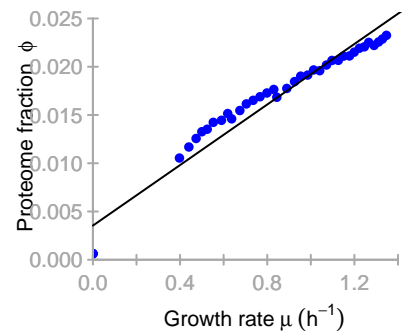
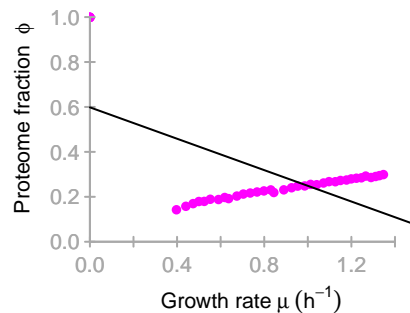
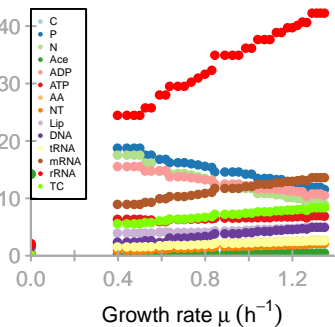
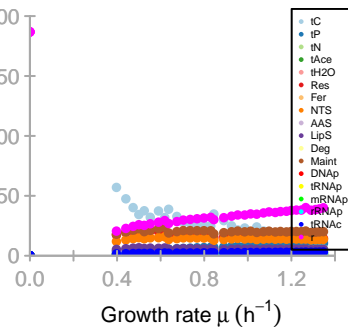
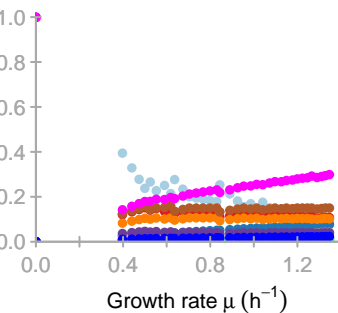
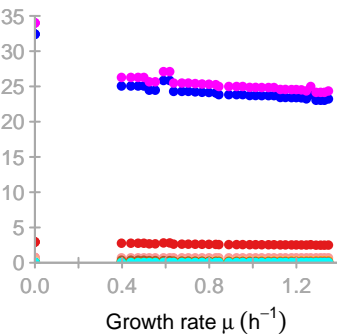
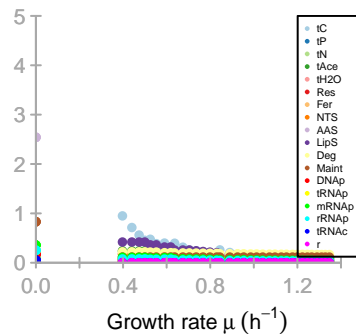
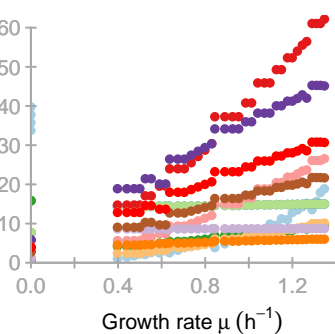
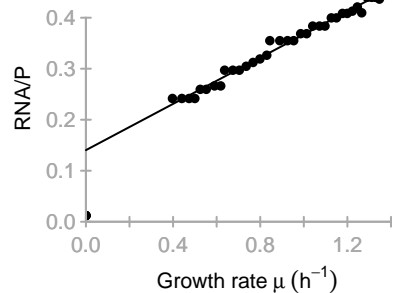
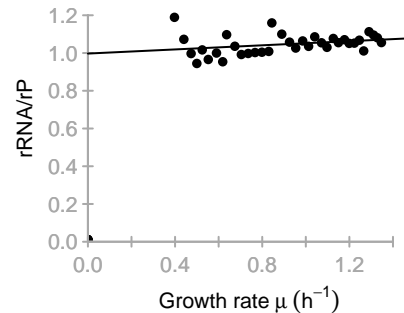
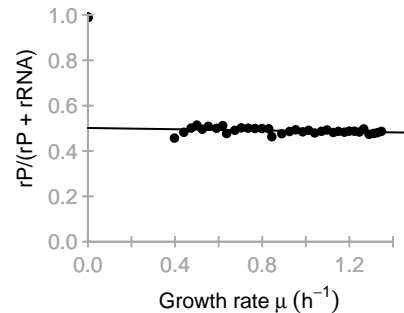
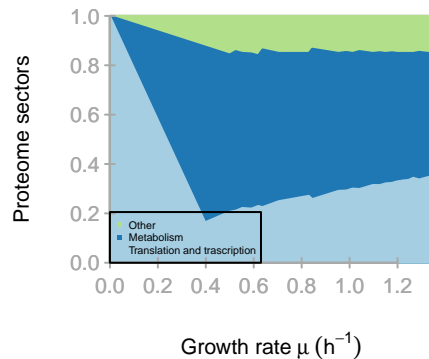
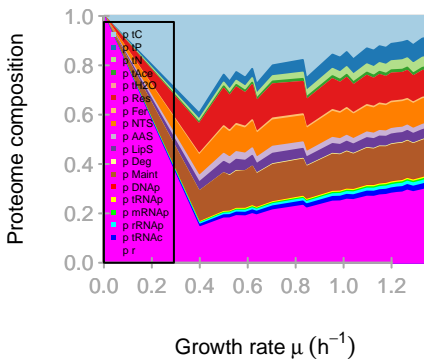
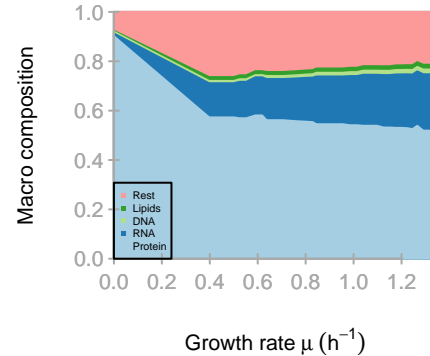
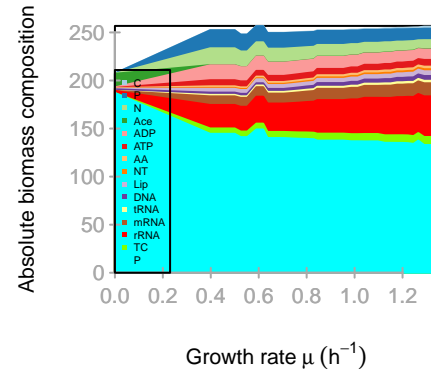
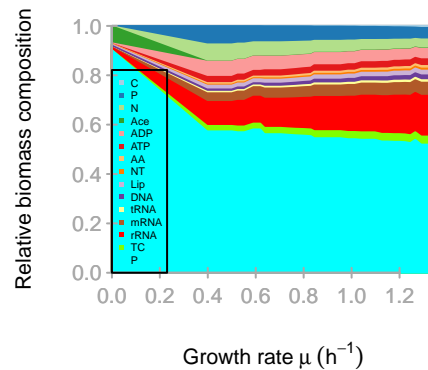
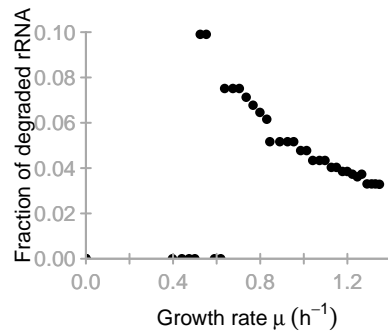
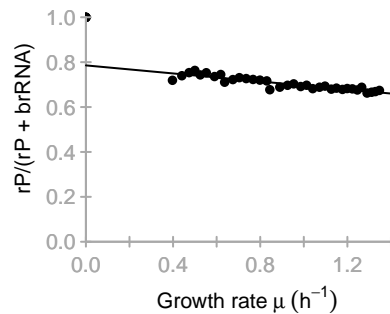


NTS**AAS****LipS****Deg****Maint****DNAp****tRNAp****mRNAp****rRNAp****tRNAc**

rMetabolite 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



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]	[,16]	[,17]	[,18]
kcatf	200	40	40	40	40000	1000	1000	100	100	35	10	10	200	136	96	136	60000	6000
kcatb	20	4	4	2	4000	100	100	10	10	3	0	0	0	0	0	0	0	0

Keq

[1,]	[,1] 10	[,2] 10	[,3] 10	[,4] 200	[,5] 10	[,6] 800	[,7] 80000	[,8] 1.25	[,9] 100	4.666666666666667	[,10]	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf	[,16] Inf	[,17] Inf	[,18] 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] 0.04	[,11] 0.003	[,12] 0.15	[,13] 0	[,14] 0	[,15] 0	[,16] 0	[,17] 0	[,18] 0
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minimal f constraint

[1,]	[1] 0	[2] 0	[3] 0	[4] 0	[5] 0.7	[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
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