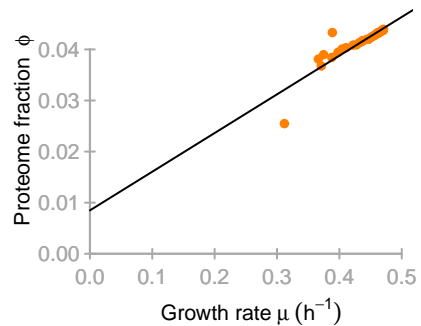
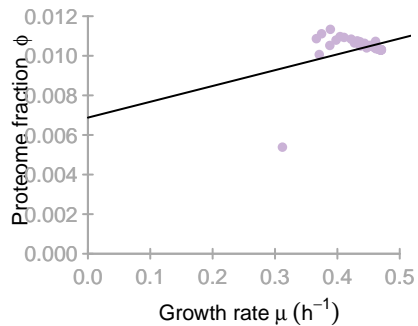
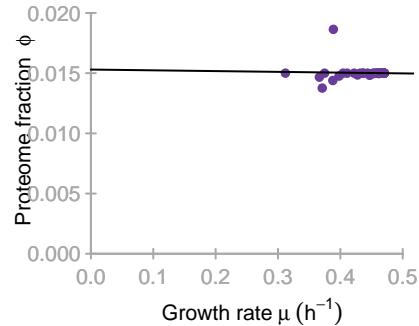
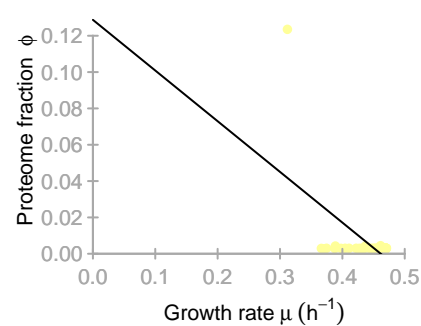
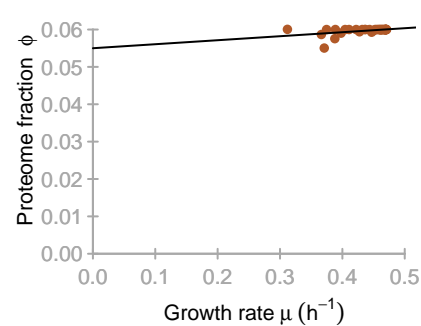
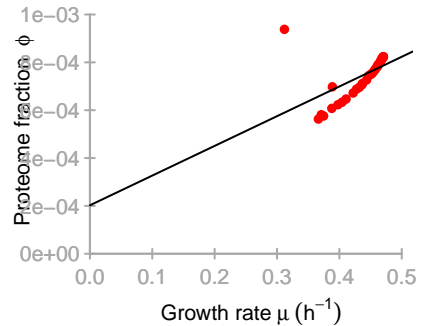
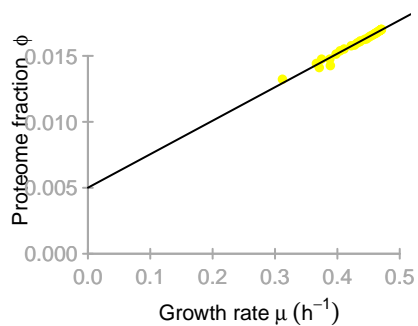
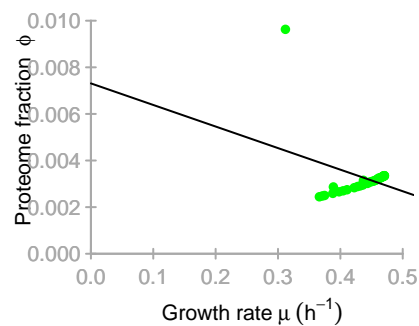
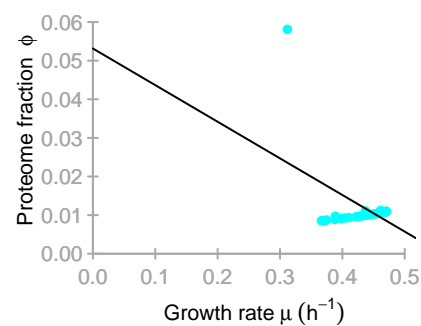
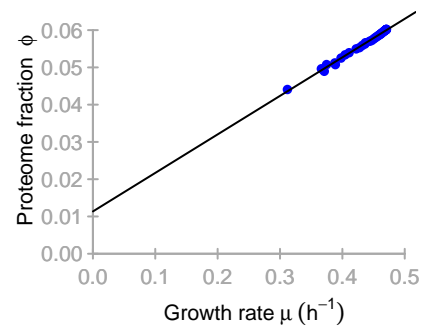
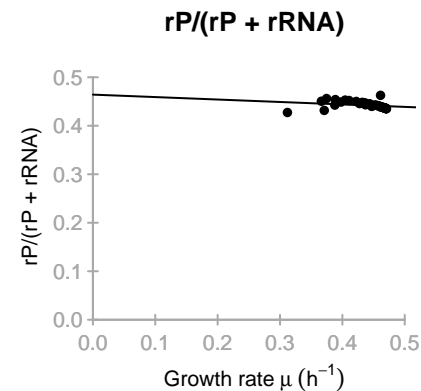
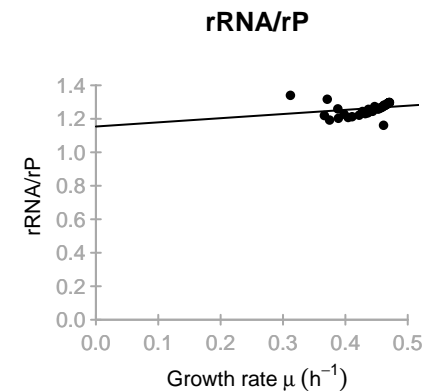
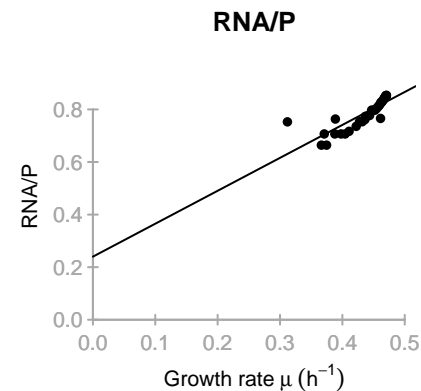
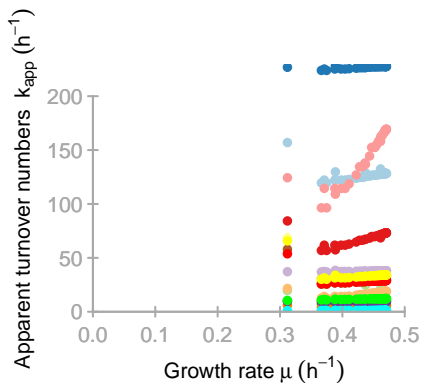
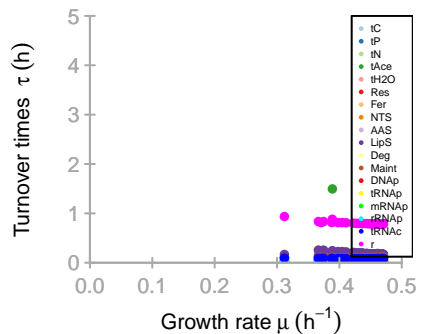
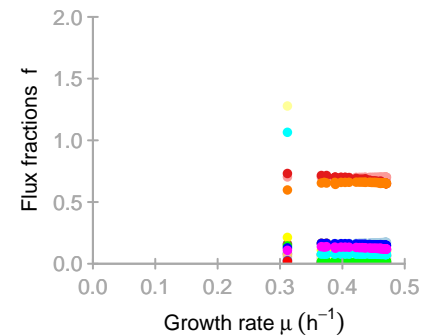
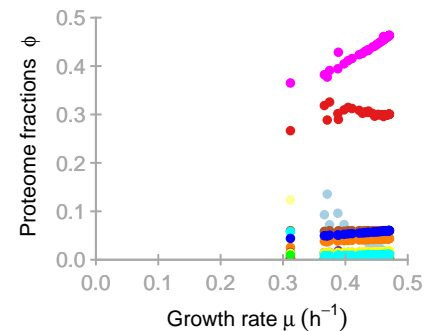
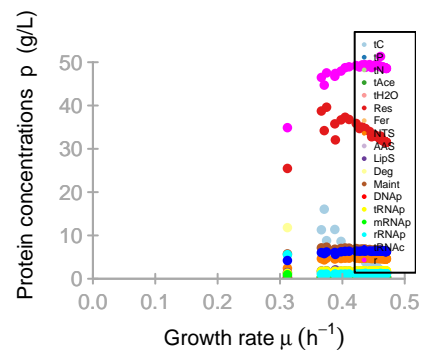
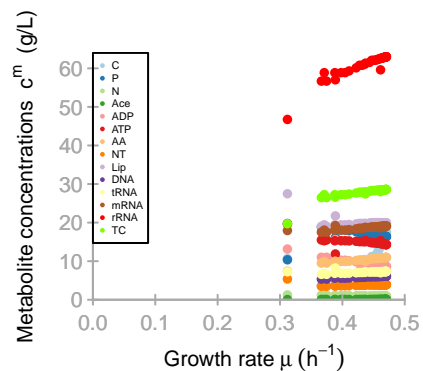
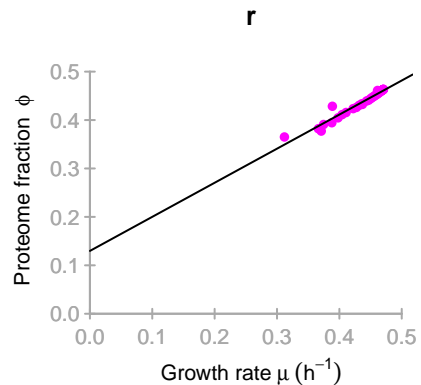
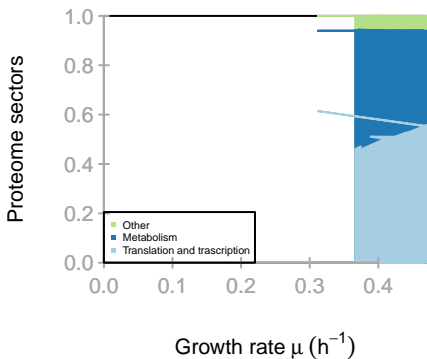
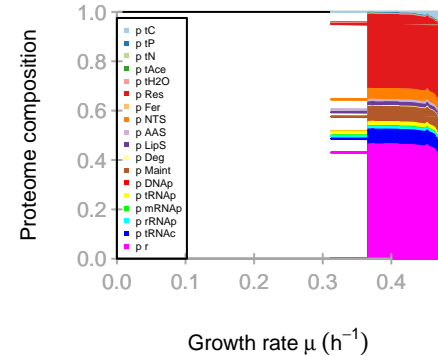
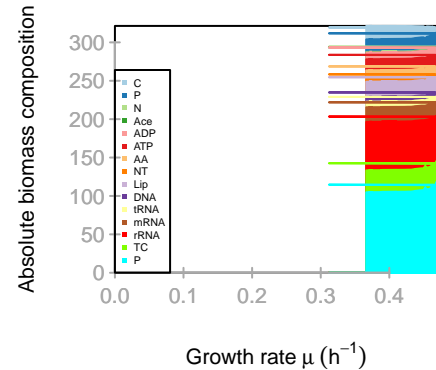
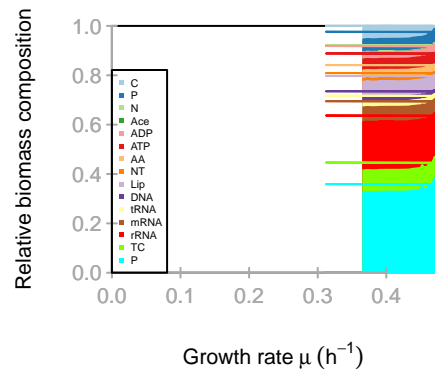
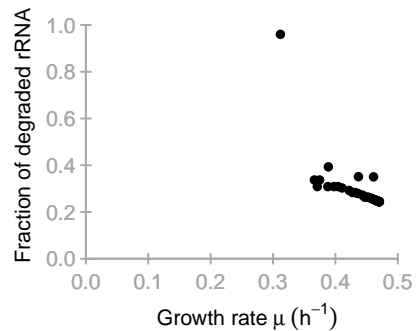
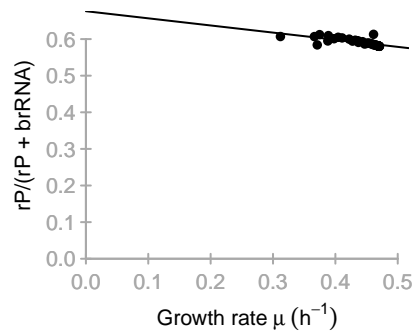


**NTS****AAS****LipS****Deg****Maint****DNAP****tRNAp****mRNAp****rRNAp****tRNAc**



## 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	1000	500	500	500	1000	20	250	300	80	40	50	10	200	136	96	136	50	4.55
kcatb	50	6	6	6	1	1	1	1	1	4	0	0	0	0	0	0	0	0



# Keq

[,1] 200	[,2] 833.3333333333333	[,3] 833.3333333333333	[,4] 833.3333333333333	[,5] 10000	[,6] 0.740740740740741	[,7] 83.33333333333333	[,8] 5000	[,9] 133.33333333333333	[,10] 0.2222222222222222	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf	[,16] Inf	[,17] In
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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] 0.015	[,11] 0.003	[,12] 0.06	[,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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