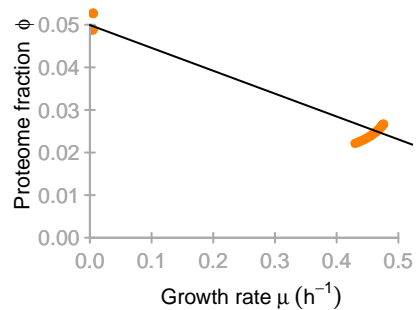
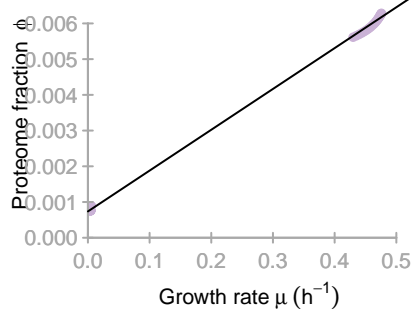
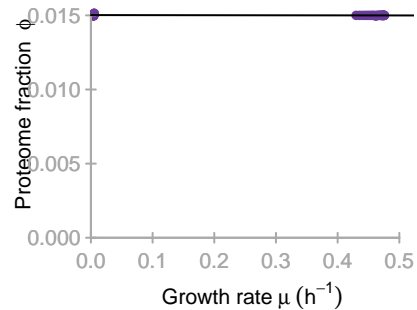
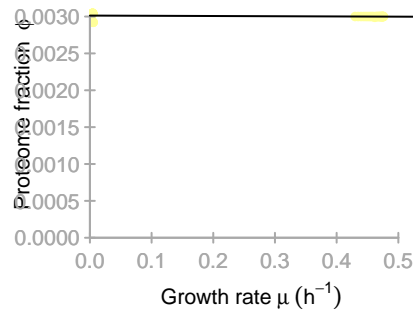
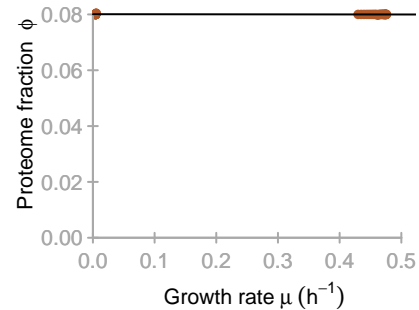
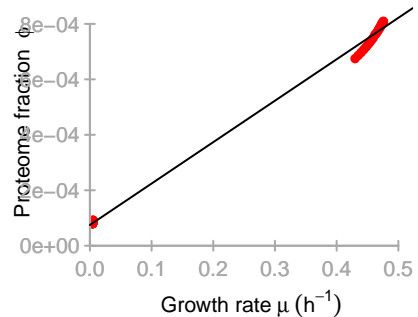
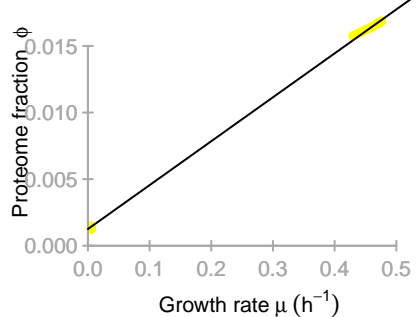
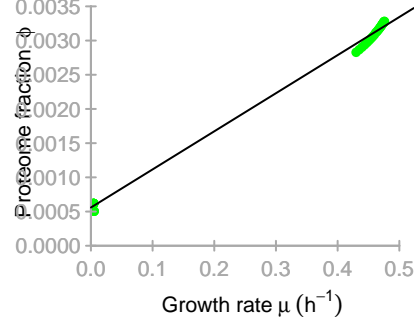
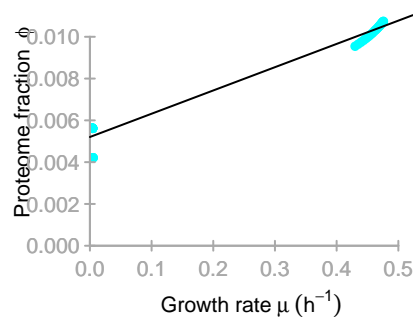
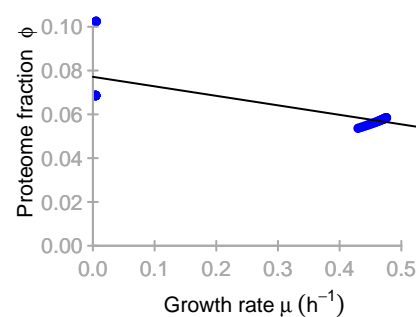
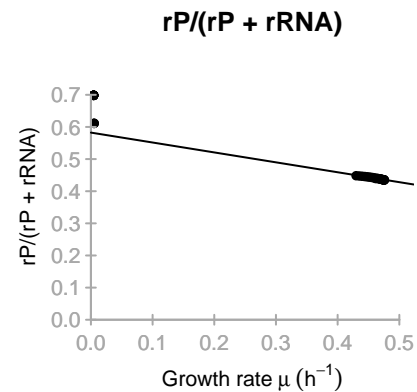
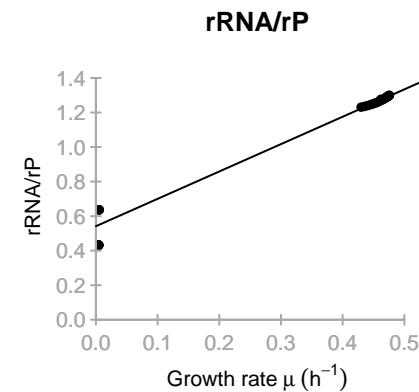
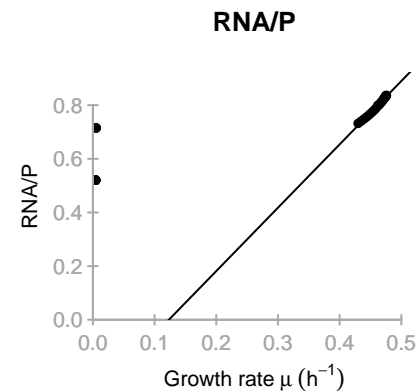
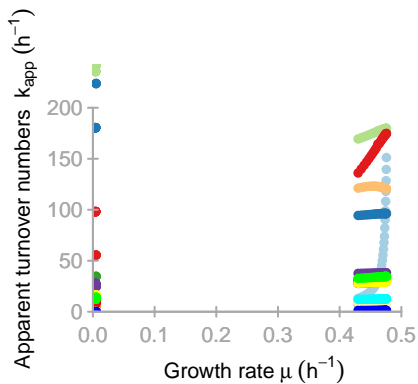
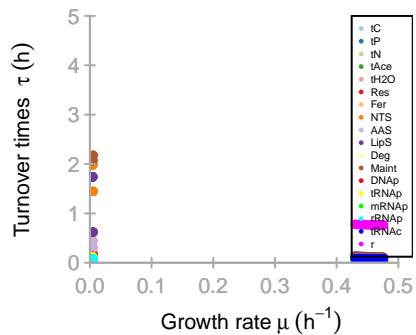
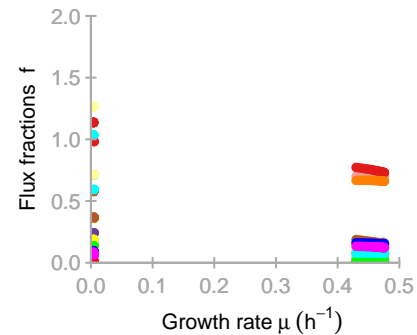
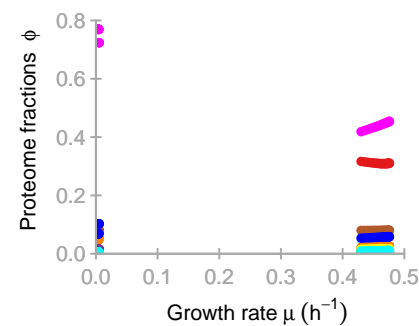
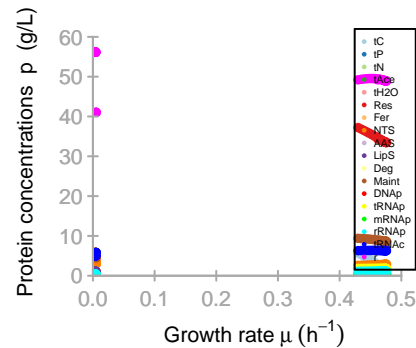
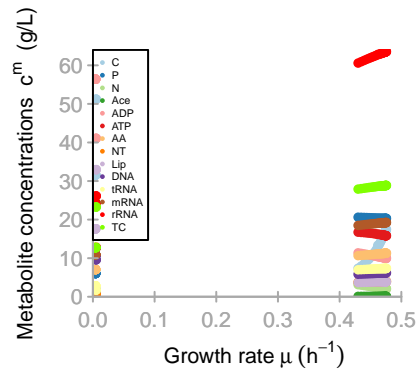
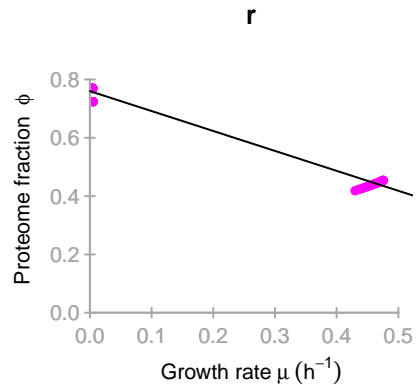
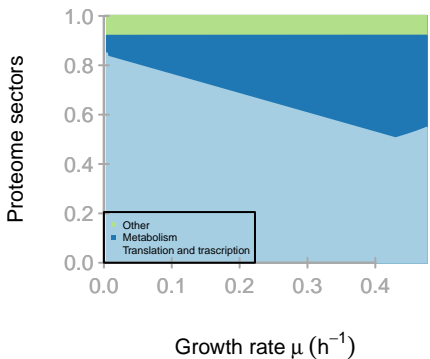
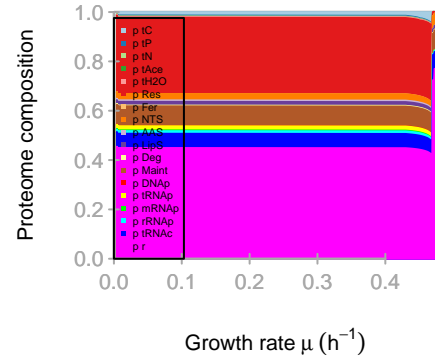
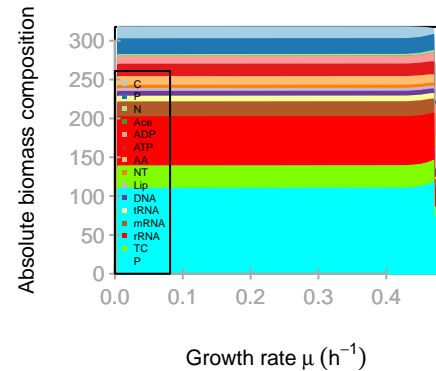
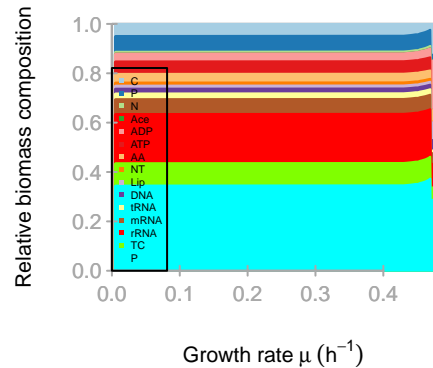
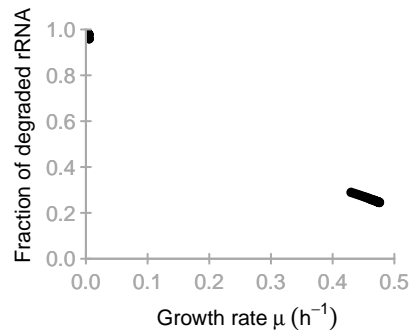
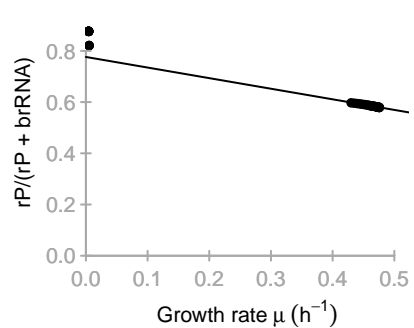


**NTS****AAS****LipS****Deg****Maint****DNAP****tRNAp****mRNAp****rRNAp****tRNAc**



## 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	800	500	500	500	1000	20	250	300	80	40	50	10	200	136	96	136	50	4.55
kcatb	50	6	6	6	1	2	2	3	8	4	0	0	0	0	0	0	0	0



# Keq

<b>[,1]</b>	<b>[,2]</b>	<b>[,3]</b>	<b>[,4]</b>	<b>[,5]</b>	<b>[,6]</b>	<b>[,7]</b>	<b>[,8]</b>	<b>[,9]</b>	<b>[,10]</b>	<b>[,11]</b>	<b>[,12]</b>	<b>[,13]</b>	<b>[,14]</b>	<b>[,15]</b>	<b>[,16]</b>	<b>[,17]</b>
160	833.3333333333333	833.3333333333333	833.3333333333333	10000	0.37037037037037037	41.66666666666667	1666.666666666667	16.66666666666667	100	Inf	Inf	Inf	Inf	Inf	Inf	Inf

## minimal phi constraint

[1.]	[,1] 0	[,2] 0	[,3] 0	[,4] 0	[,5] 0	[,6] 0	[,7] 0	[,8] 0	[,9] 0	[,10] 0.015	[,11] 0.003	[,12] 0.08	[,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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