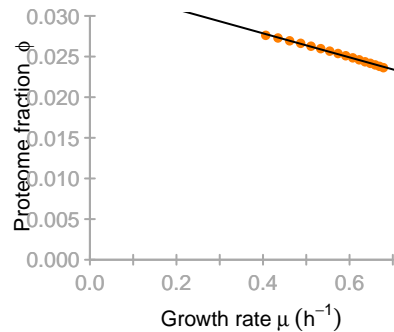
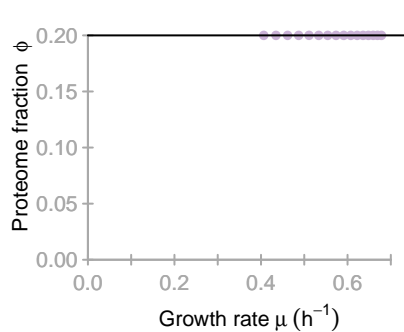
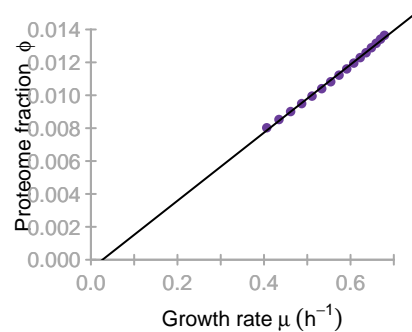
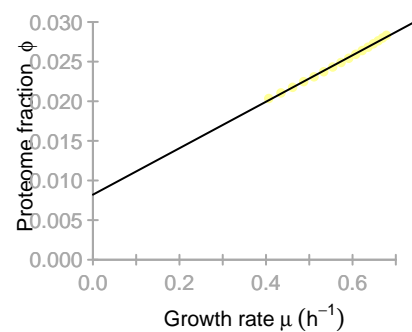
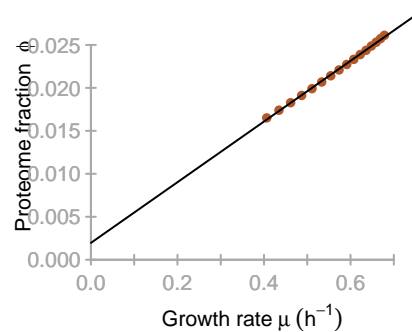
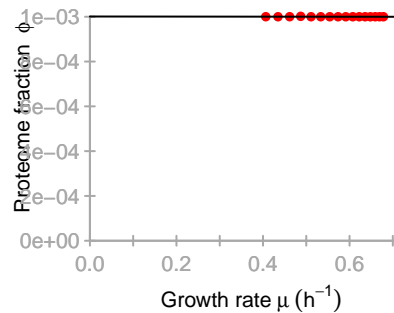
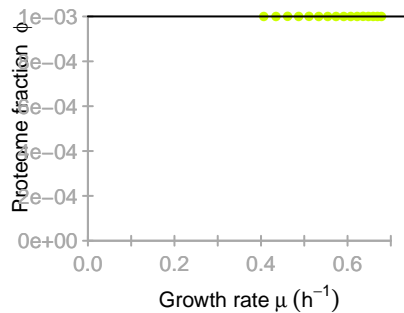
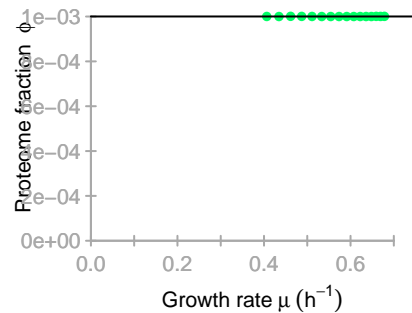
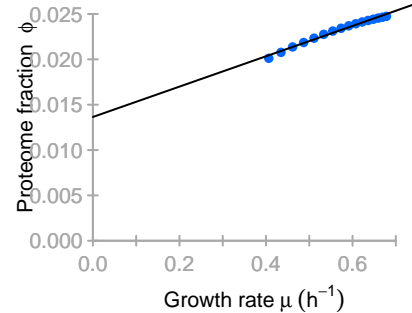
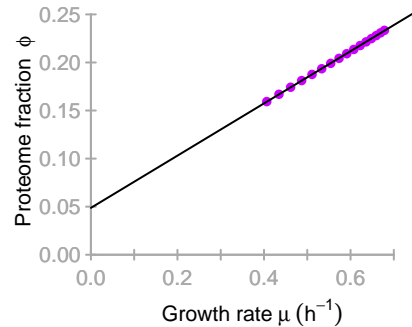
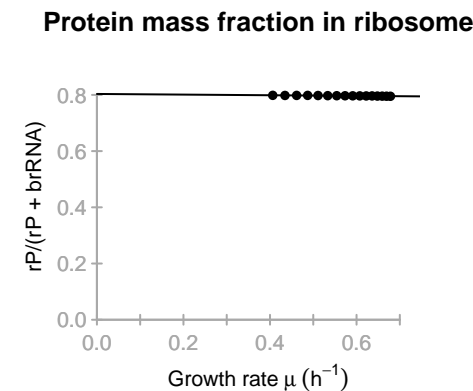
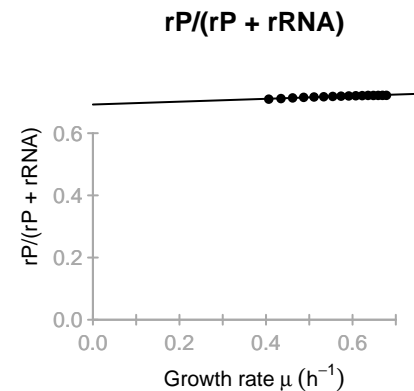
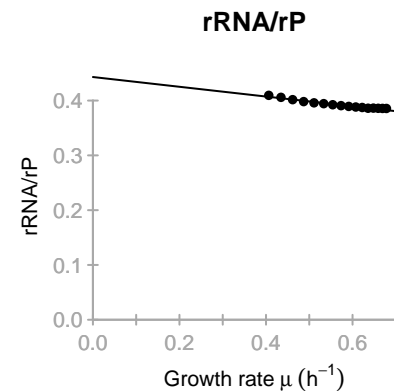
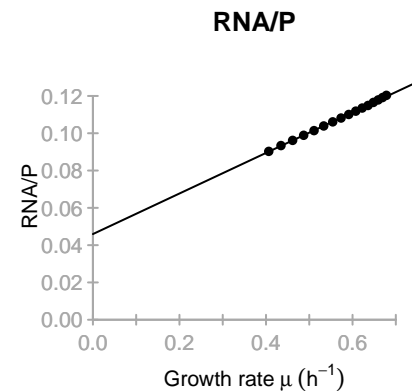
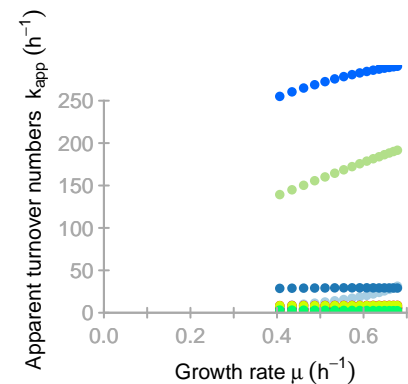
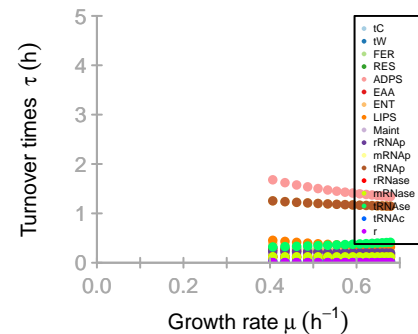
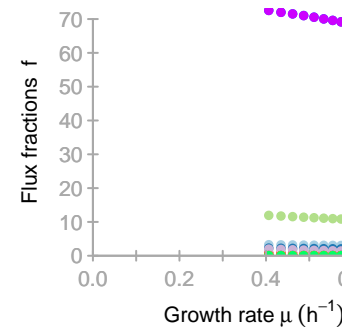
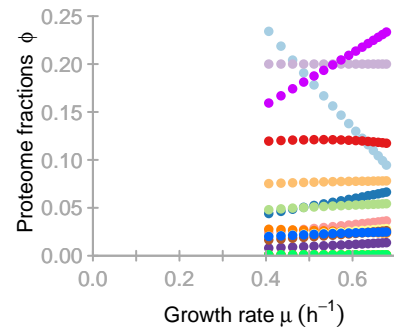
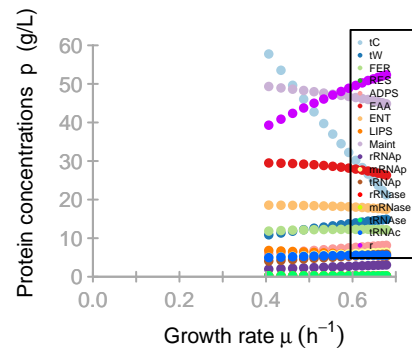
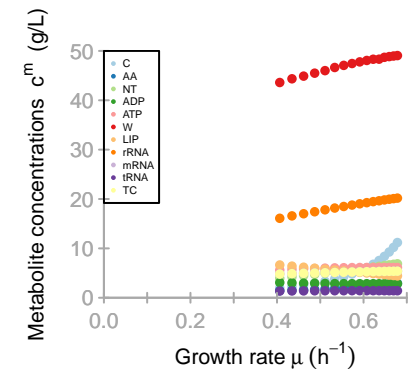
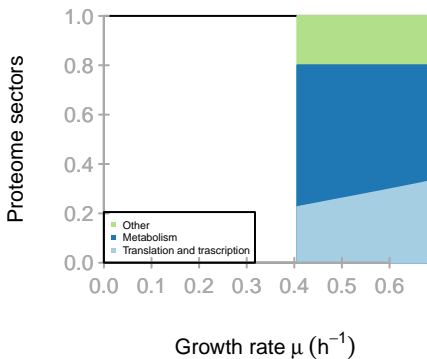
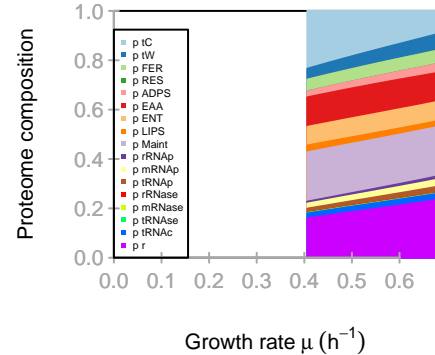
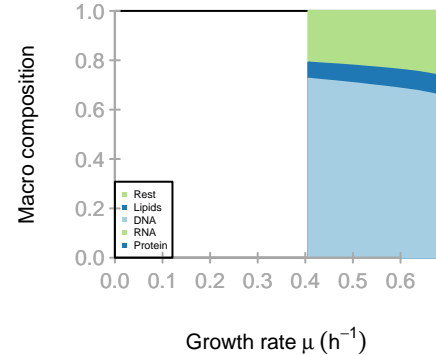
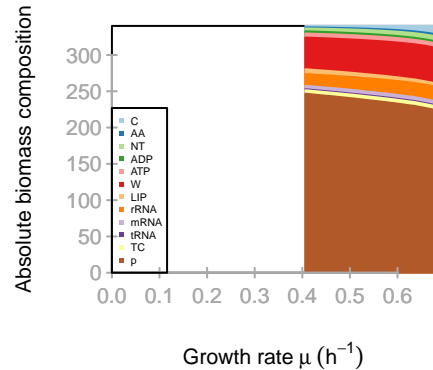
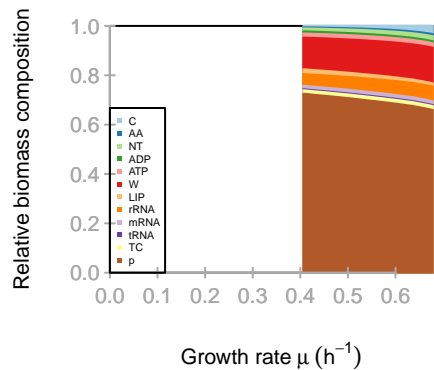
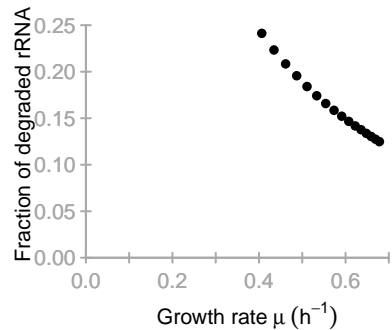


**LIPS****Maint****rRNAp****mRNAp****tRNAp****rRNase****mRNase****tRNase****tRNAc****r**





**M**

[illegible]

## K

[illegible]

**KA**[illegible]

kcat

	tC	tW	FER	RES	ADPS	EAA	ENT	LIPS	Maint	rRNAp	mRNAp	tRNAp	rRNase	mRNase	tRNase	tRNAc	r
kcatf	73	82	283	10	1	9	10	4	10	8	1	1	10	10	10	7901	711
kcatb	7	8	28	1	1	1	1	1	1	0	0	0	0	0	0	0	0



# Keq

[1,]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
312.857142857143	0.197115384615385	10.1071428571429	3080	1	9	20	4	10	Inf	Inf	Inf	Inf	Inf	Inf	Inf	Inf

## phi input

[1,]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	0.05	0.02	0.08	0.1	0.02	0.15	0.05	0.03	0.2	0.007	0.005	0.005	0.001	0.001	0.001	0.03	0.25

**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] 0.2	[,10] 0	[,11] 0	[,12] 0	[,13] 0.001	[,14] 0.001	[,15] 0.001	[,16] 0	[,17] 0
------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-------------	------------	------------	------------	----------------	----------------	----------------	------------	------------

## 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