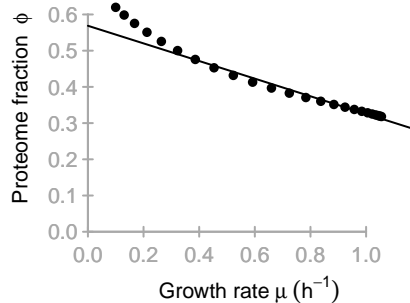
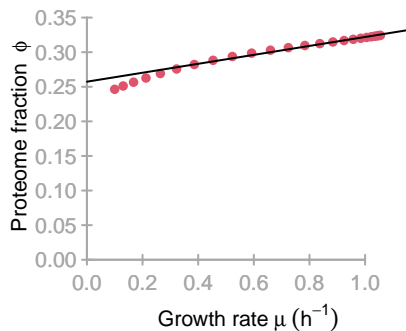


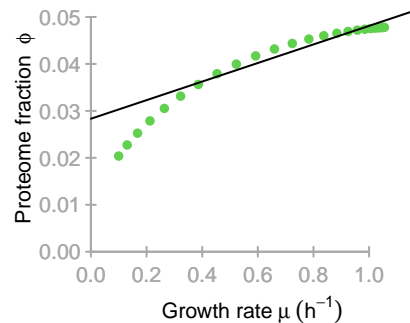
Cin



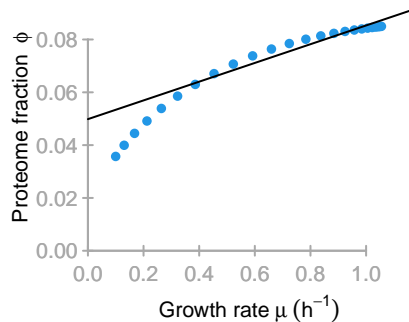
Met



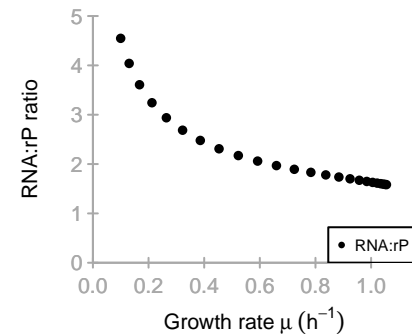
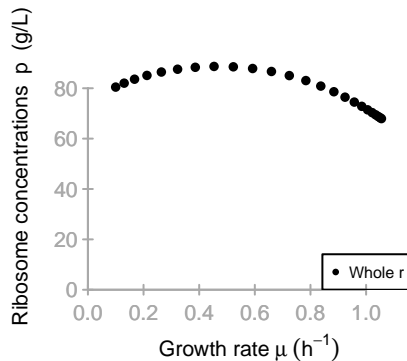
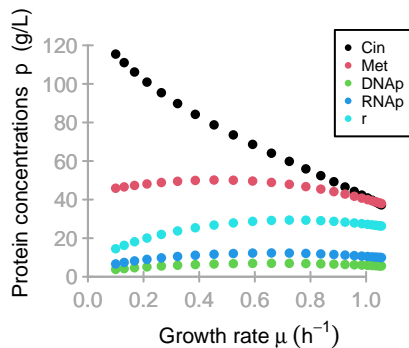
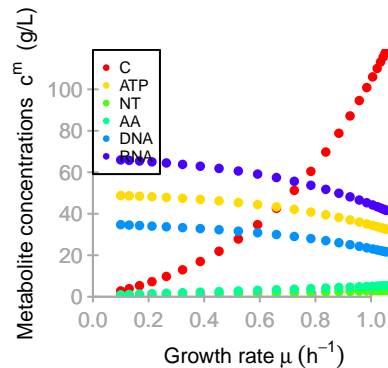
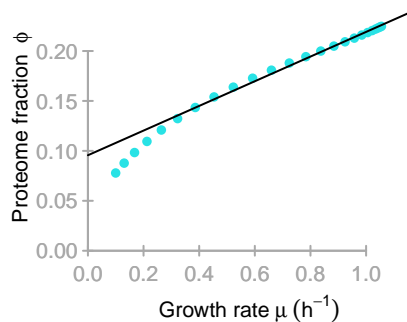
DNAP

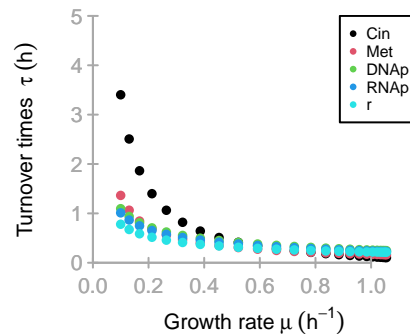
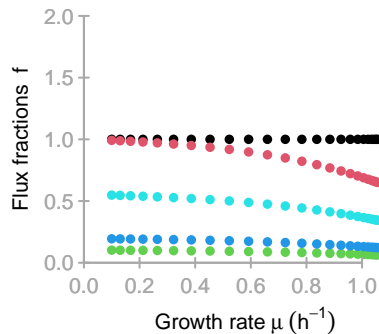
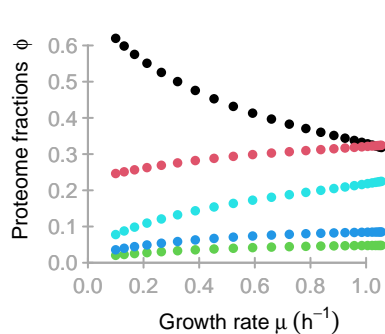
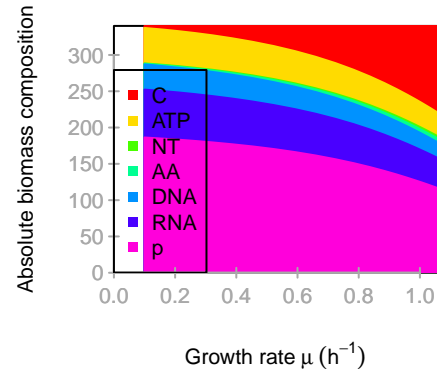
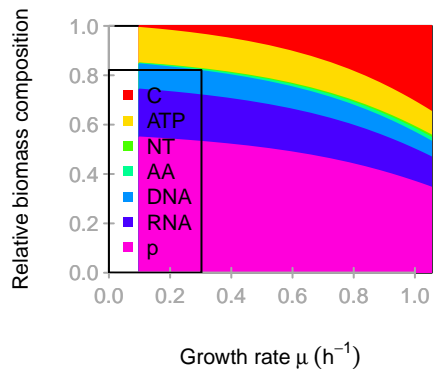
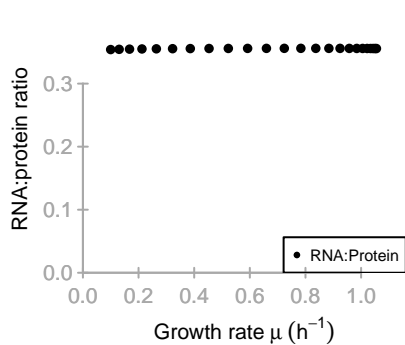


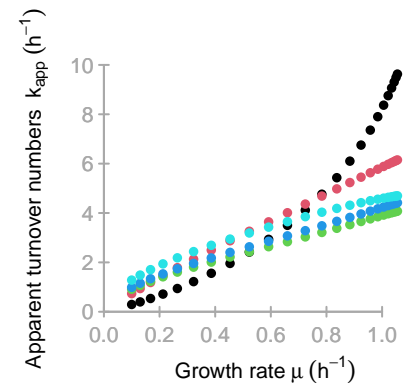
RNAP



r







M

	Cin	Met	DNAP	RNAP	r
C	1	-1	0	0	0
ATP	0	0.2	0	0	-0.1
NT	0	0.3	-1	-1	0
AA	0	0.5	0	0	-0.9
DNA	0	0	1	0	0
RNA	0	0	0	1	0
p	0	0	0	0	1

K

	Cin	Met	DNAP	RNAP	r
x_C	1	0	0	0	0
C	50	1	0	0	0
ATP	0	2	0	0	2
NT	0	3	5	5	0
AA	0	4	0	0	8
DNA	0	0	0	0	0
RNA	0	0	0	0	0
p	0	0	0	0	0

KA

	Cin	Met	DNAP	RNAP	r
x_C	0	0	0	0	0
C	0	0	0	0	0
ATP	0	0	0	0	0
NT	0	0	0	0	0
AA	0	0	0	0	0
DNA	0	0	3	3	0
RNA	0	0	0	0	5
p	0	0	0	0	0

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]
kcatf	10	11	12	13	14
kcatb	2	3	0	0	0

Keq

	[1]	[2]	[3]	[4]	[5]
[1,]	250	88	Inf	Inf	Inf