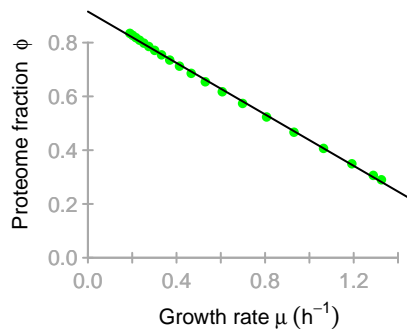
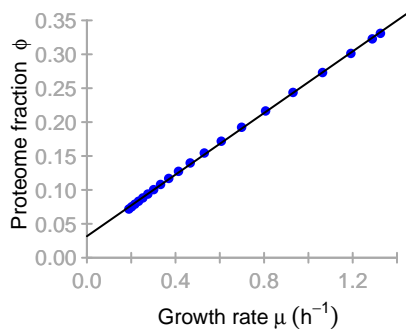


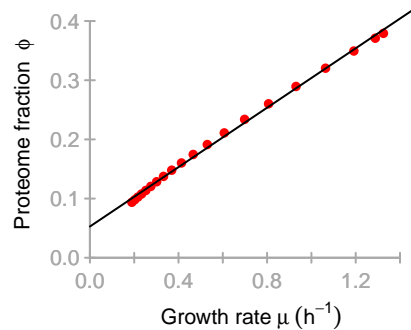
ctr

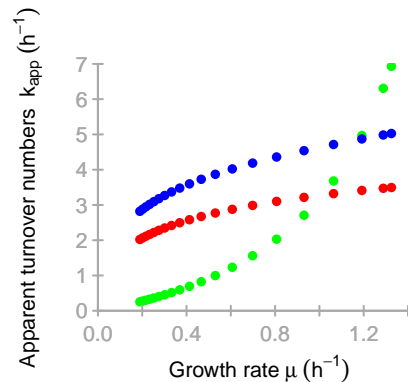
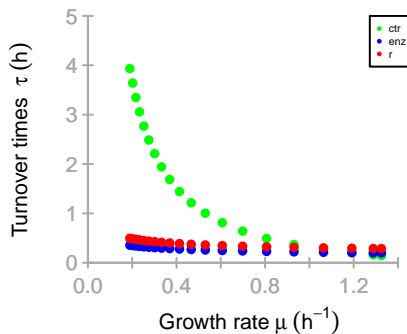
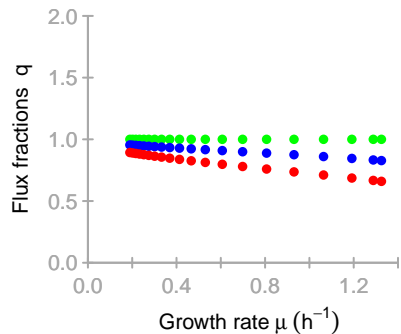
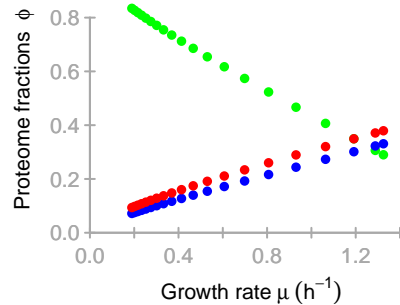
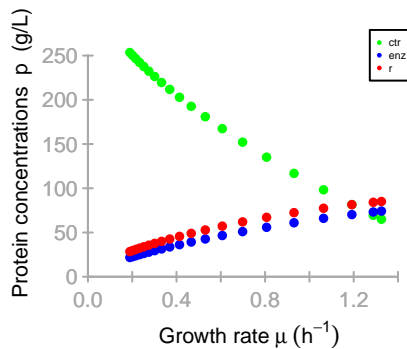
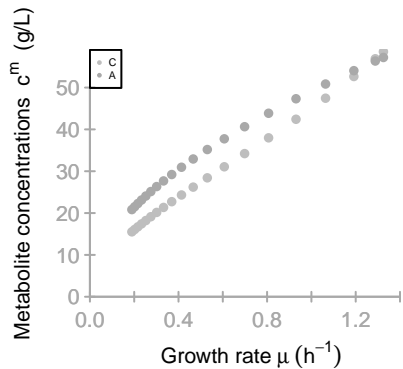


enz



r





M

	ctr	enz	r
C	1	-1	0
A	0	1	-1
p	0	0	1

K

	ctr	enz	r
x_C	0.1	0	0
C	0	23	0
A	0	0	41
p	0	0	0

KA

	ctr	enz	r
x_C	0	0	0
C	0	0	0
A	0	0	0
p	0	0	0

kcat

	ctr	enz	r
[1,]	7	7	6
[2,]	0	0	0

Keq

	[,1]	[,2]	[,3]
[1,]	Inf	Inf	Inf

phi input

	[,1]	[,2]	[,3]
[1,]	0.35	0.4	0.25

average saturation input

3

minimal phi constraint

	[,1]	[,2]	[,3]
[1,]	0	0	0

minimal q constraint

	[,1]	[,2]	[,3]
[1,]	0	0	0