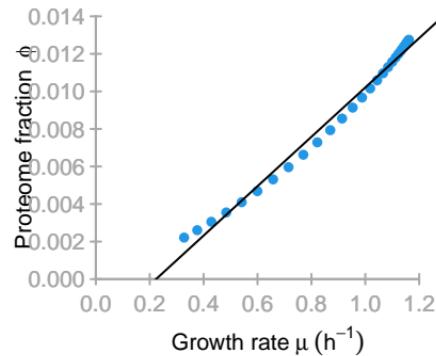
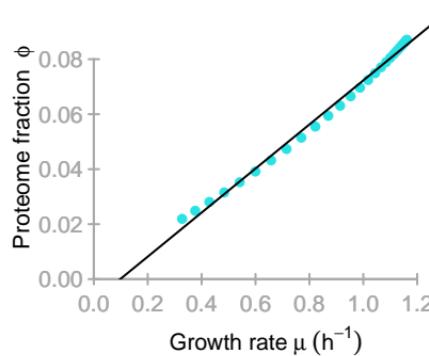
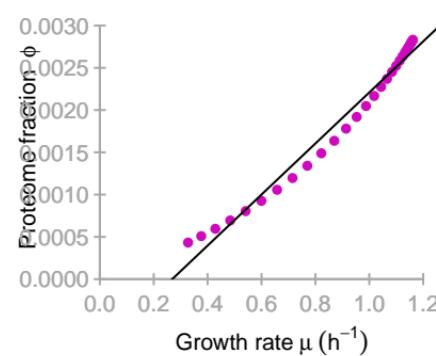
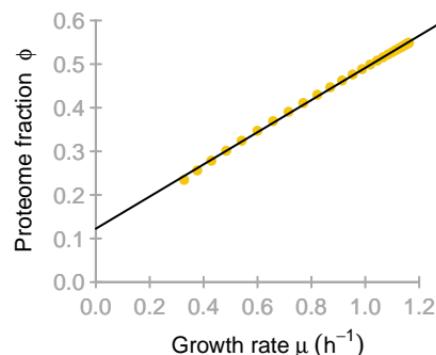
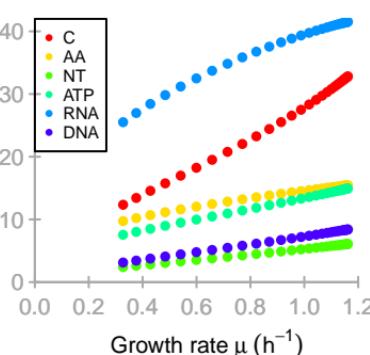
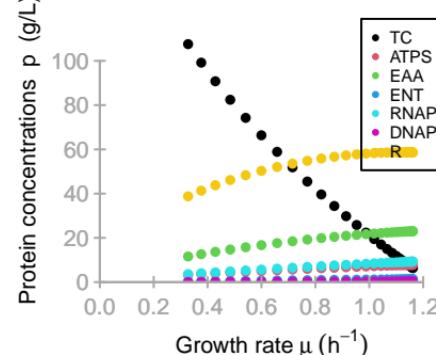
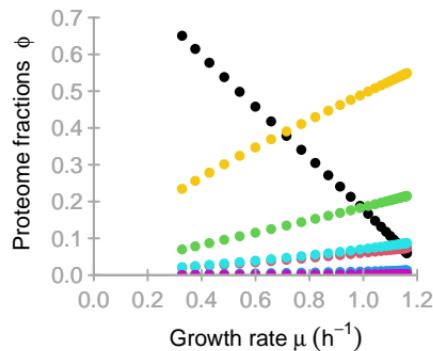
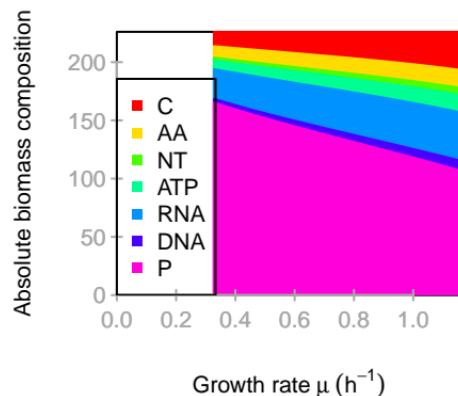
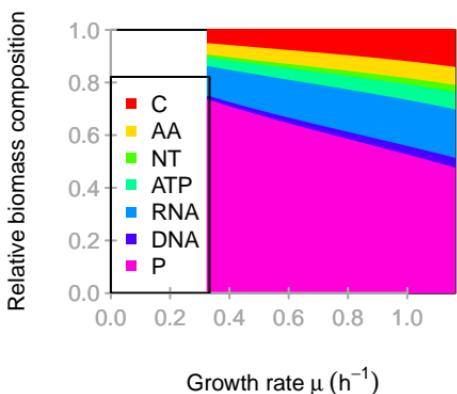
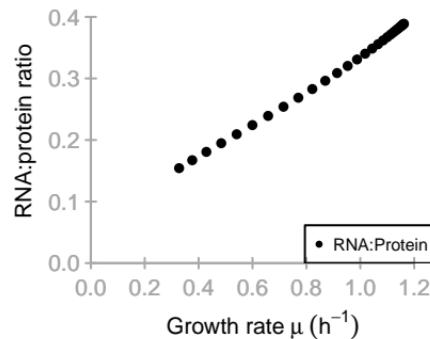
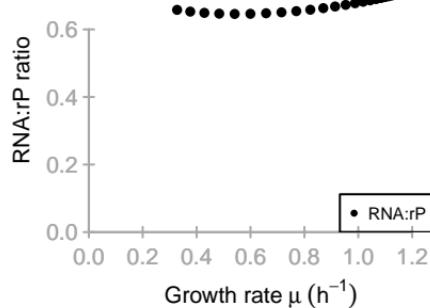
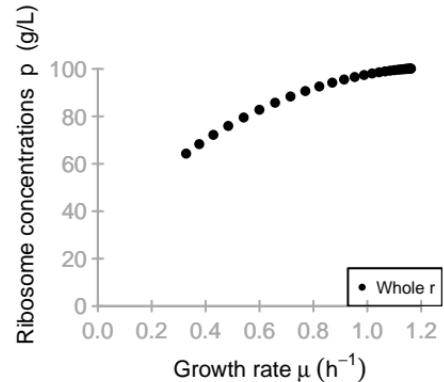
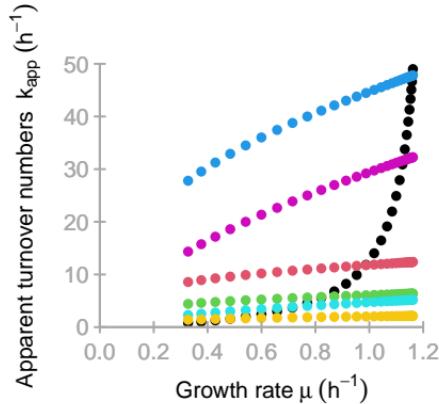
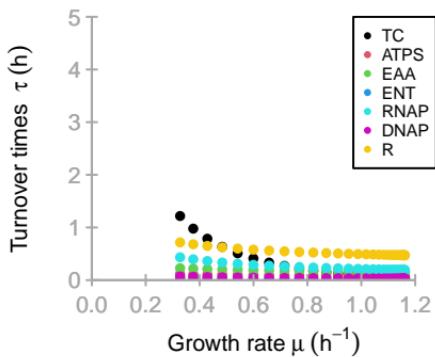
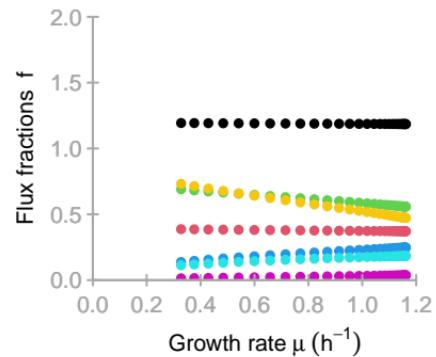


ENT**RNAP****DNAP****R**Metabolite concentrations c^m (g/L)Protein concentrations ρ (g/L)





M

	TC	ATPS	EAA	ENT	RNAP	DNAP	R
C	1	-1	-1	-0.45	0	0	0
AA	0	0	1	-0.45	0	0	-0.8
NT	0	0	0	1	-1	-1	0
ATP	0	0.5	0	-0.1	0	0	-0.2
RNA	0	0	0	0	1	0	0
DNA	0	0	0	0	0	1	0
P	0	0	0	0	0	0	1

K

	TC	ATPS	EAA	ENT	RNAP	DNAP	R
x_C	1	0	0	0	0	0	0
x_W	0	0	0	0	0	0	0
C	36	12	12	12	0	0	0
AA	0	0	5	2	0	0	2
NT	0	0	0	5	2	2	0
ATP	0	5	0	2	0	0	2
RNA	0	0	0	0	0	0	0
DNA	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0

KA

	TC	ATPS	EAA	ENT	RNAP	DNAP	R
x_C	0	0	0	0	0	0	0
x_W	0	0	0	0	0	0	0
C	0	0	0	0	0	0	0
AA	0	0	0	0	0	0	0
NT	0	0	0	0	0	0	0
ATP	0	0	0	0	0	0	0
RNA	0	0	0	0	0	0	32
DNA	0	0	0	0	5	5	0
P	0	0	0	0	0	0	0

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]
kcatf	53.9	16.9	8.7	83.6	11	68.4	4.8
kcatb	0	0	0	0	0	0	0

Keq

[1,]	[,1] Inf	[,2] Inf	[,3] Inf	[,4] Inf	[,5] Inf	[,6] Inf	[,7] Inf
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