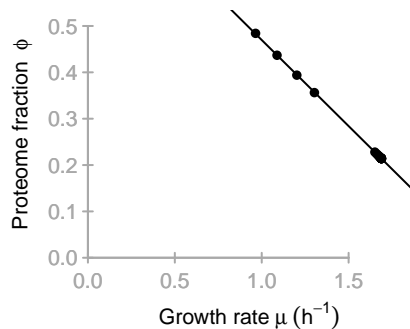
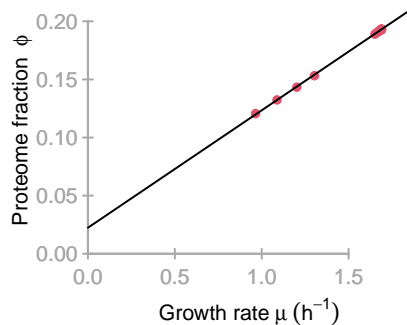


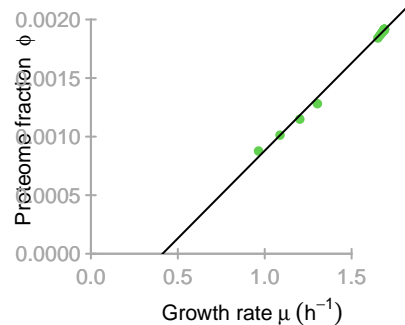
Cin



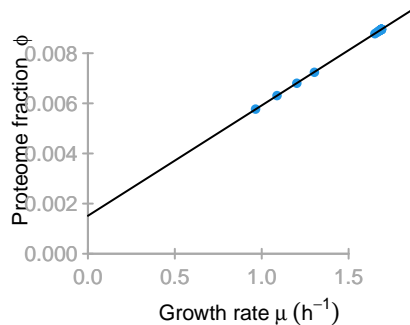
EAA



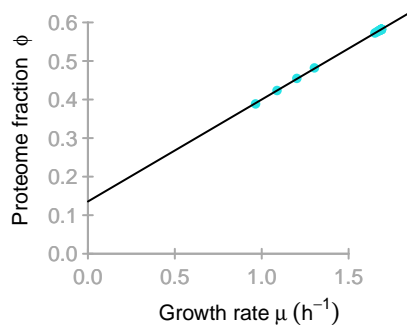
ENT



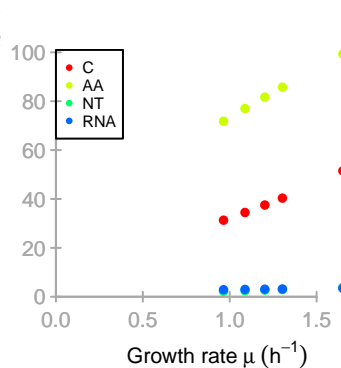
RNAP



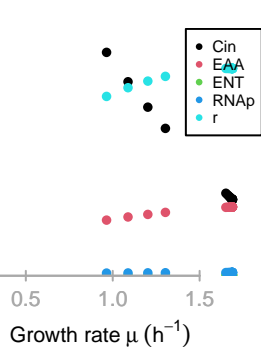
r



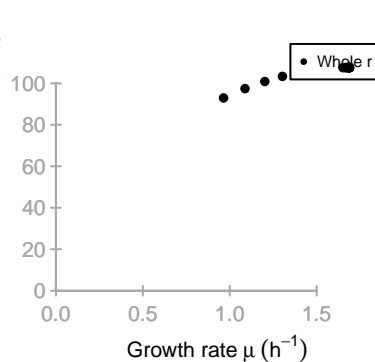
Metabolite concentrations c^m (g/L)



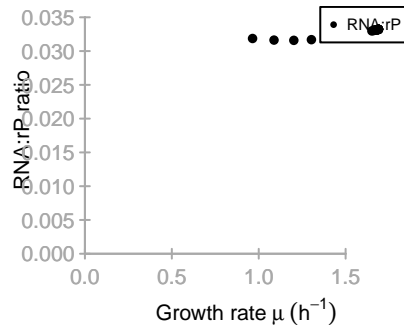
Protein concentrations p (g/L)

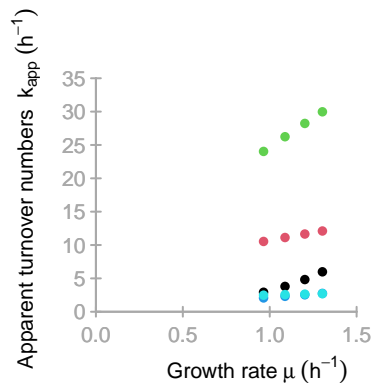
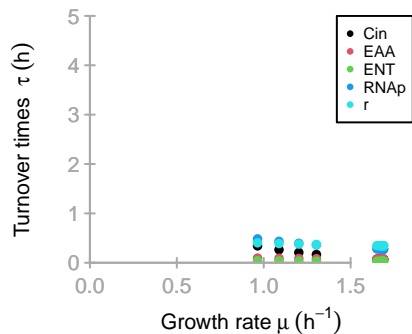
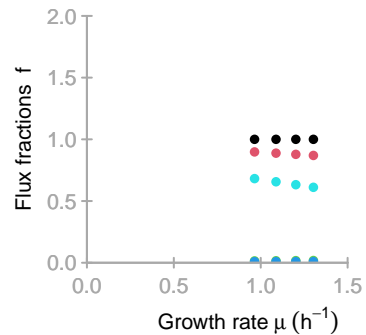
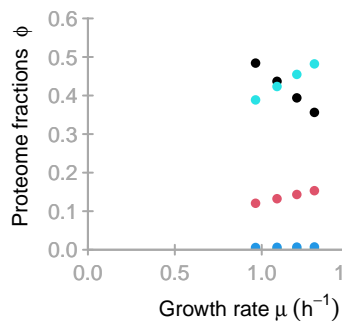
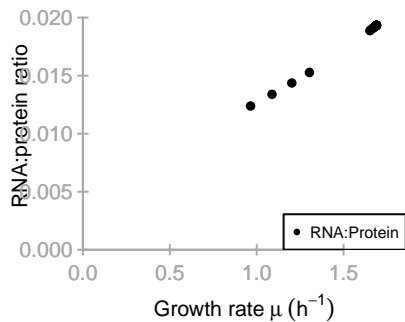


Ribosome concentrations p (g/L)



RNA:rP ratio





M

	Cin	EAA	ENT	RNAp	
C	1	-1	-0.663891458526056	0	
AA	0	1	-0.336108541473944	0	-0.9999999999969
NT	0	0	1	-0.999999999995625	
RNA	0	0	0	1	
p	0	0	0	0	

K

	Cin	EAA	ENT	RNAp	r
[1,]	0.0018	0	0	0	0
[2,]	0	43	43	0	0
[3,]	0	0	68	0	68
[4,]	0	0	0	71	0
[5,]	0	0	0	0	0
[6,]	0	0	0	0	0

KA

	Cin	EAA	ENT	RNAp	r
[1,]	0	0	0	0	0
[2,]	0	0	0	0	0
[3,]	0	0	0	0	0
[4,]	0	0	0	0	0
[5,]	0	0	0	0	0.1
[6,]	0	0	0	0	0

kcat

	Cin	EAA	ENT	RNAp	r
kcatf	15	25	111	69	5
kcatb	0	0	0	0	0

Keq

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