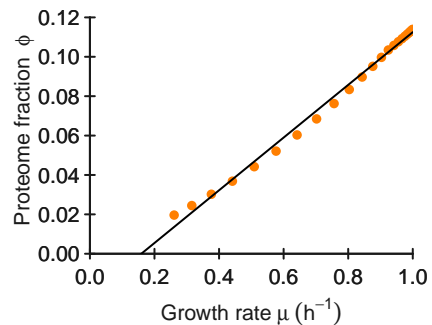
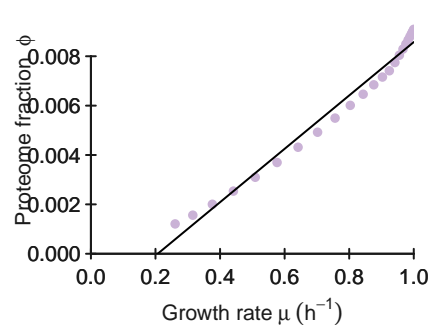


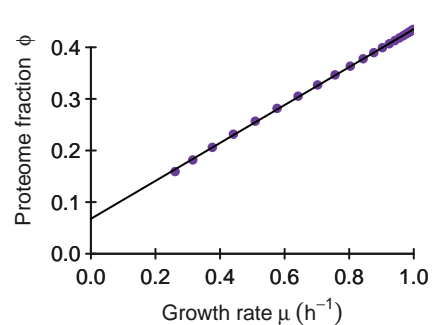
RNAP



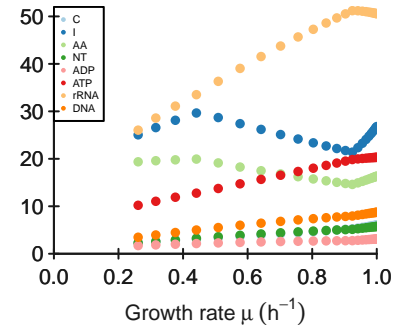
DNAP



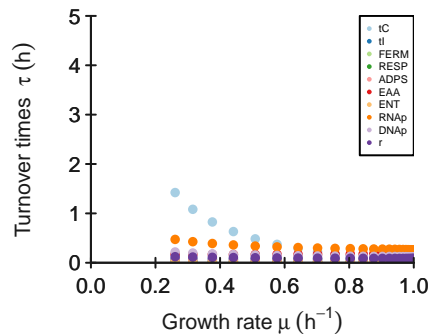
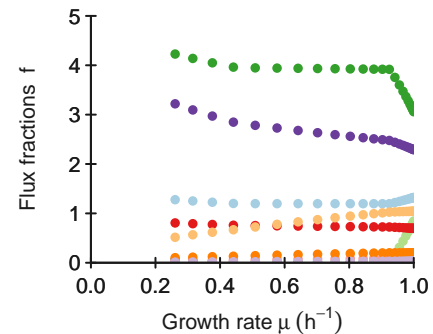
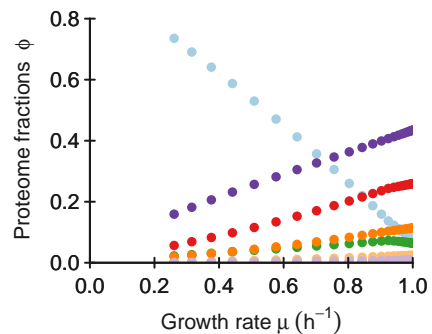
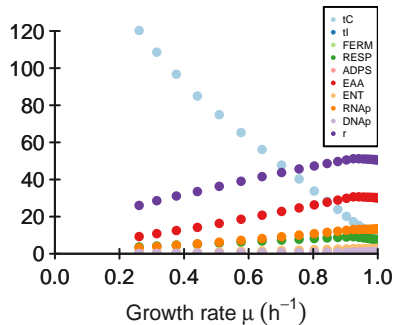
r



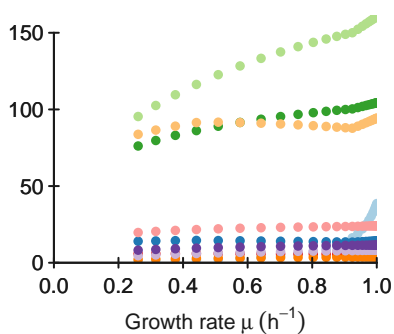
Metabolite concentrations c^m (g/L)



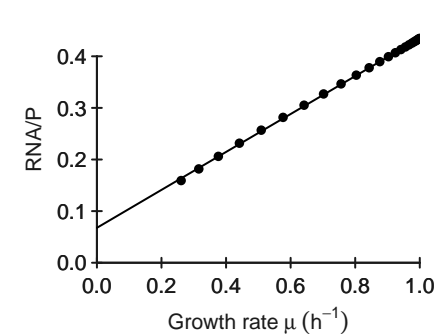
Protein concentrations p (g/L)



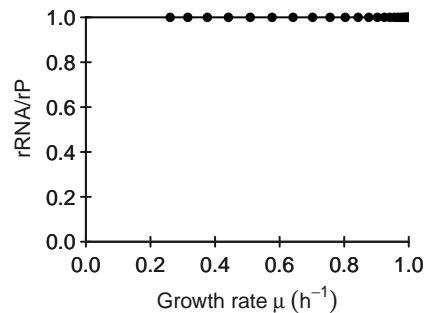
Apparent turnover numbers k_{app} (h^{-1})



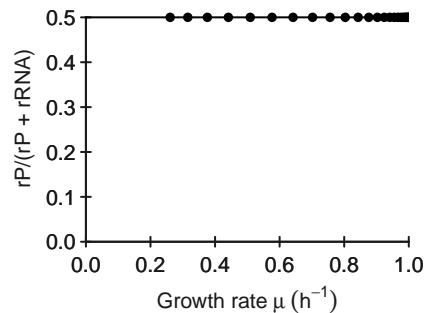
RNA/P



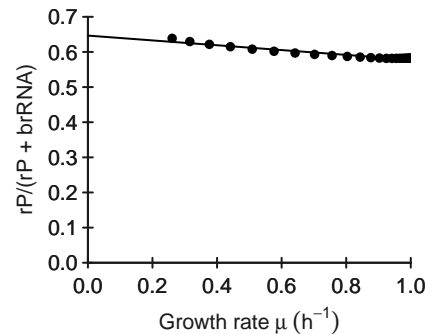
rRNA/rP



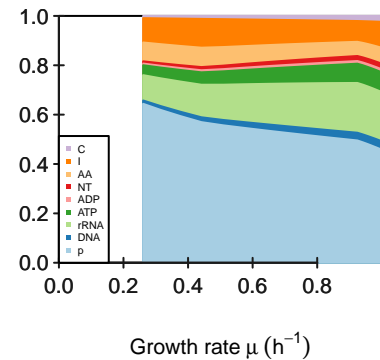
rP/(rP + rRNA)



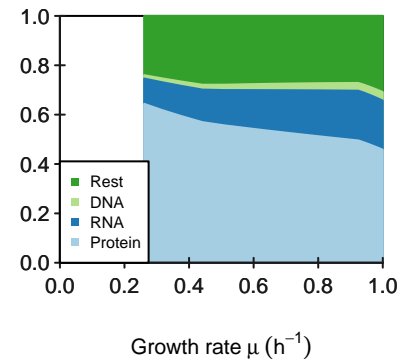
Protein mass fraction in ribosome



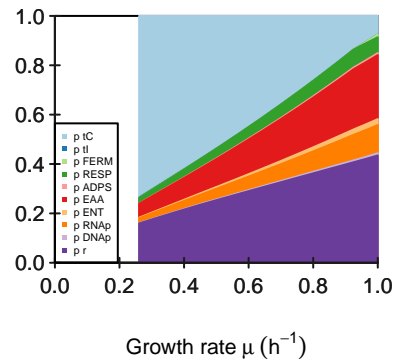
Relative biomass composition



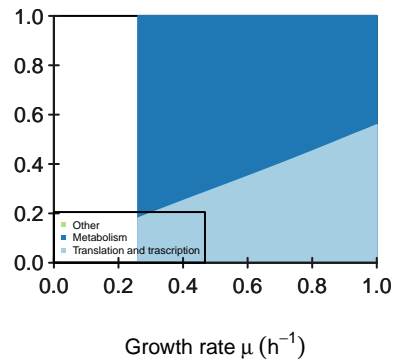
Predicted biomass



Proteome composition



Proteome sectors



keep_ribosome_kcat FALSE
keep_transport_kcat FALSE
maintenance_fun constant

M

[illegible]

K

[illegible]

KA[illegible]

kcat

tC	tl	FERM	RESP	ADPS	EAA	ENT	RNAp	I
32710	18.49663253832210	282.1643159767560	141.0821579883780	28.28896741155140	7.616260456956150	157.7653951798060	6.528223248819560	14.144483705

Keq

[1,]	[,1] Inf	[,2] Inf	[,3] Inf	[,4] Inf	[,5] Inf	[,6] Inf	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf
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phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]
	0.06	0.005	0.035	0.035	0.003	0.248	0.032	0.119	0.003	0.46

average saturation input

3

minimal phi constraint

[illegible]

minimal f constraint

[illegible]