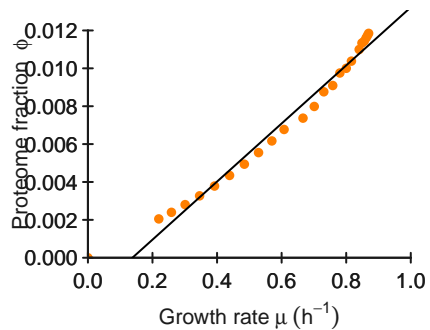
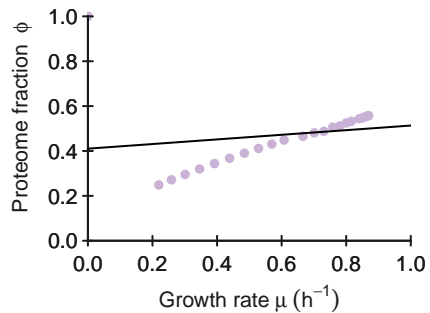
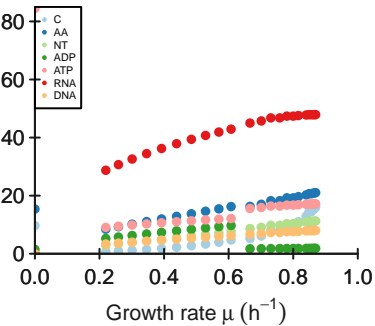
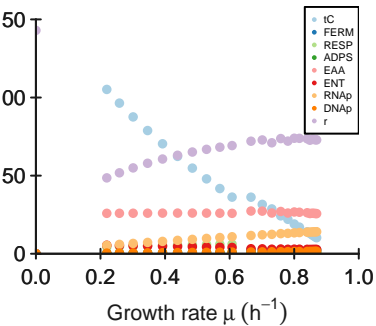
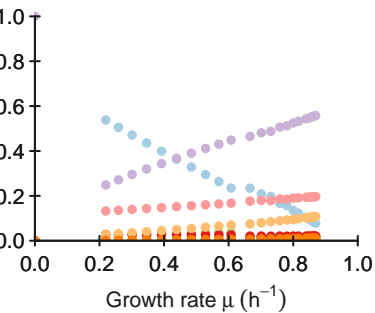
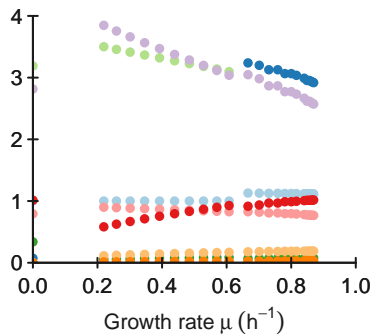
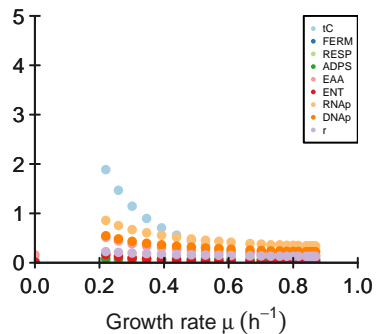
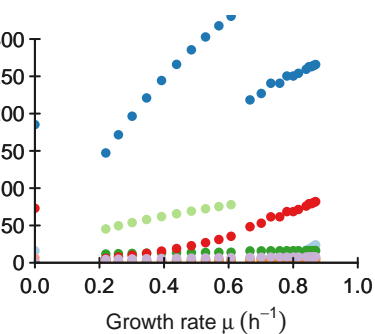
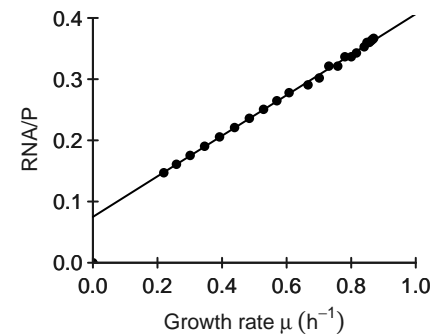
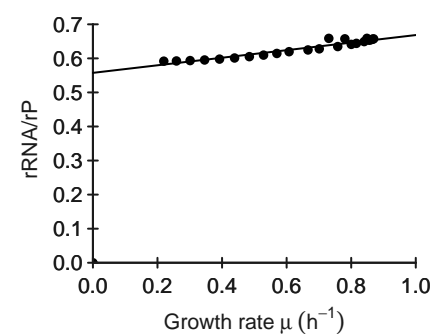
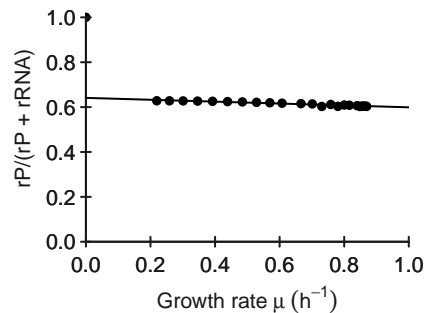
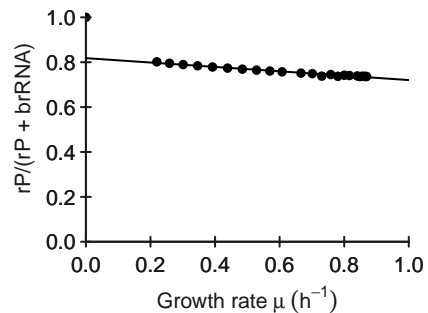


DNAp**r**Metabolite concentrations c^m (g/L)Protein concentrations p (g/L)Proteome fractions ϕ Flux fractions f Turnover times τ (h)Apparent turnover numbers k_{app} (h^{-1})**RNA/P****rRNA/rP**

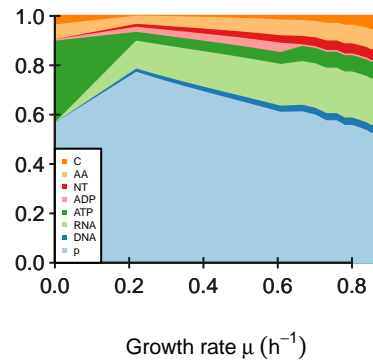
$rP/(rP + rRNA)$



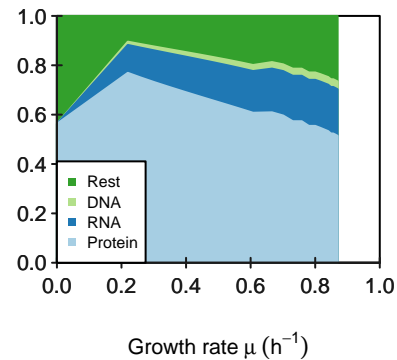
Protein mass fraction in ribosome



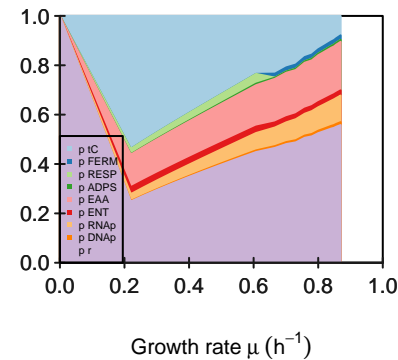
Relative biomass composition



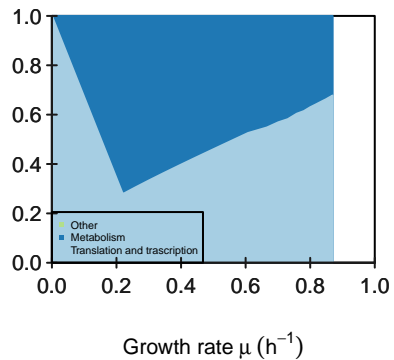
Predicted biomass



Proteome composition



Proteome sectors



```
keep_ribosome_kcat FALSE
keep_transport_kcat FALSE
maintenance_fun constant
```

M

[illegible]

kcat

	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]
kcatf	29	450	300	18	8	153	6	13	19
kcatb	3	50	150	2	1	15	0	0	0

Keq

[1,]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]
1643.333333333333	1800	4	90	80	2.3375	Inf	Inf	Inf	

minimal f constraint

[illegible]