

Growth rate μ (h^{-1})

Concentration x_{C} (g/L)

Internal concentrations c_i (g/L)

Growth rate μ (h^{-1})

Fluxes v (g/L/h)

Growth rate μ (h^{-1})

Proteome fraction ϕ

Growth rate μ (h^{-1})

Proteome fraction ϕ

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Proteome fraction ϕ

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Proteome fraction ϕ

Growth rate μ (h^{-1})

Proteome fraction ϕ

Growth rate μ (h^{-1})

Proteome fraction ϕ

Growth rate μ (h^{-1})

tC

tW

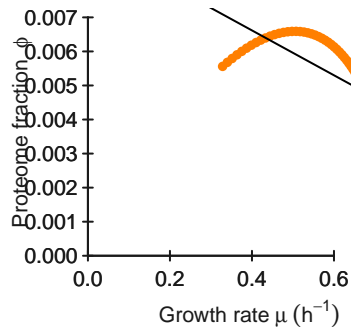
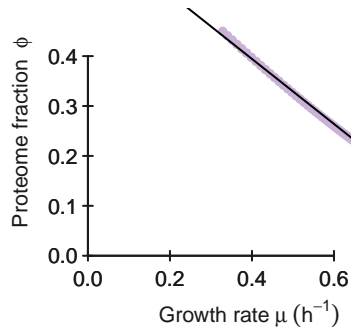
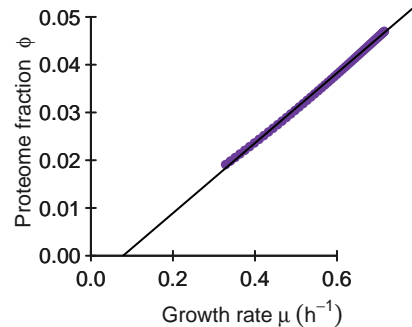
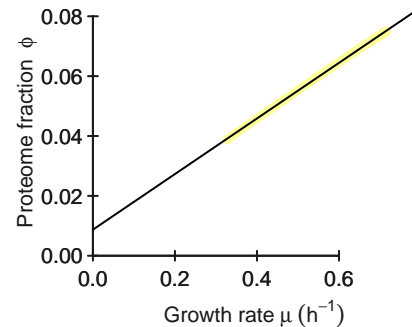
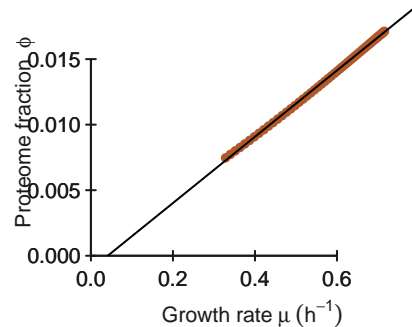
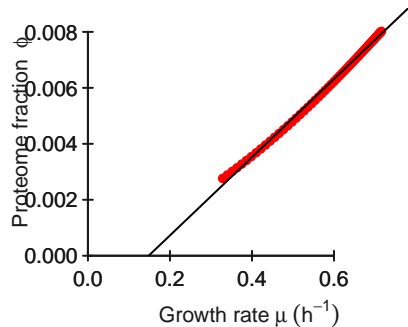
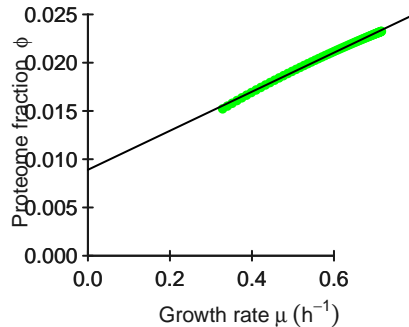
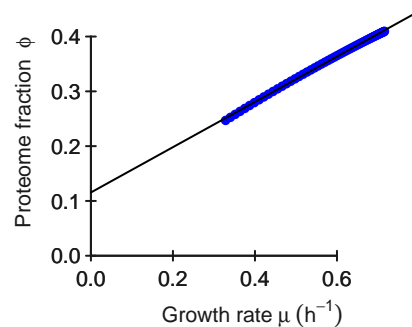
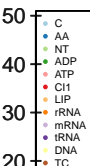
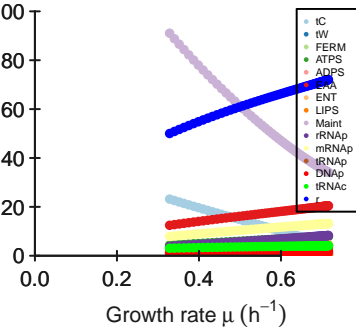
FERM

ATPS

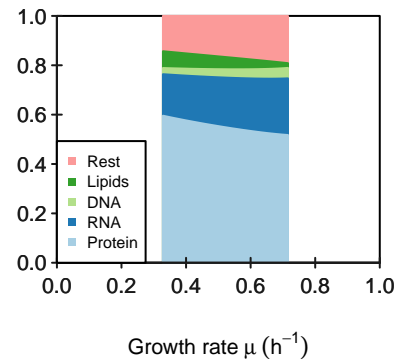
ADPS

EAA

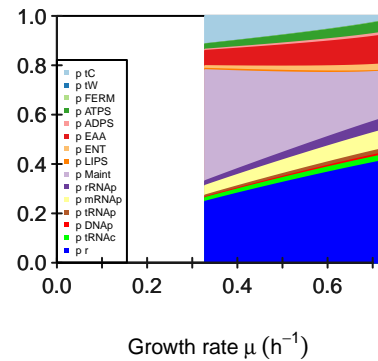
ENT

LIPS**Maint****rRNAp****mRNAp****tRNAp****DNAp****tRNAc****r****Metabolite concentrations c^m (g/L)****Protein concentrations p (g/L)**

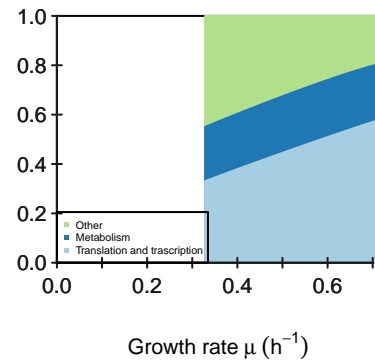
Predicted biomass



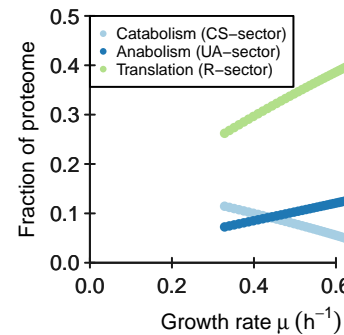
Proteome composition



Proteome sectors



Proteome sectors



M

[illegible]

K

[illegible]

KA[illegible]

Keq

[1,]	[,1] Inf	[,2] Inf	[,3] Inf	[,4] Inf	[,5] Inf	[,6] Inf	[,7] Inf	[,8] Inf	[,9] Inf	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf
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phi input

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]	[,6]	[,7]	[,8]	[,9]	[,10]	[,11]	[,12]	[,13]	[,14]	[,15]
	0.002	0.02	0.041	0.046	0.005	0.165	0.023	0.031	0.287	0.0426	0.0213	0.0071	0.002	0.023	0.284

average saturation input

3

minimal phi constraint

[1,]	[1] 0	[2] 0	[3] 0	[4] 0	[5] 0	[6] 0	[7] 0	[8] 0	[9] 0	[10] 0	[11] 0	[12] 0	[13] 0	[14] 0	[15] 0
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minimal f constraint

[1,]	[,1] 0	[,2] 0	[,3] 0	[,4] 0	[,5] 0	[,6] 0	[,7] 0	[,8] 0	[,9] 8	[,10] 0	[,11] 0	[,12] 0	[,13] 0	[,14] 0	[,15] 0
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