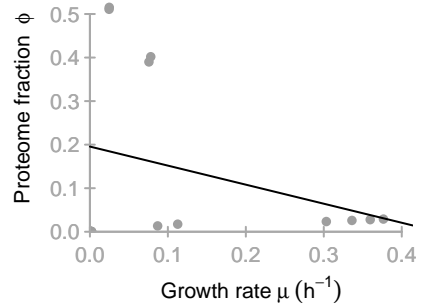
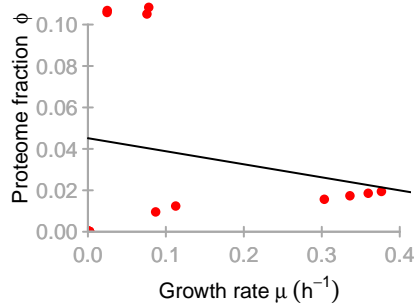
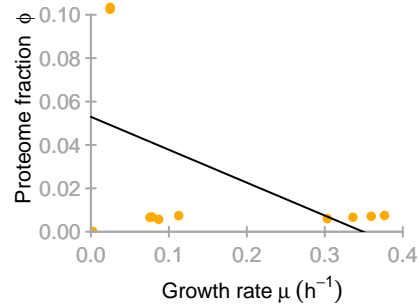
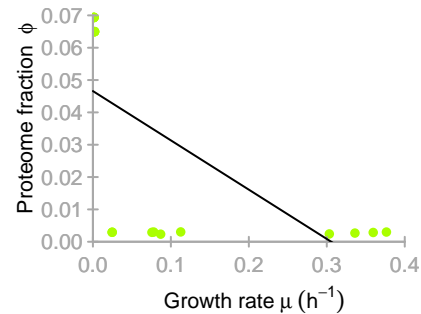
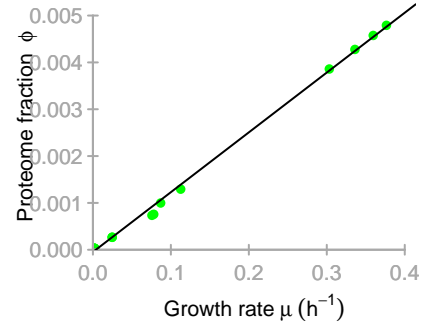
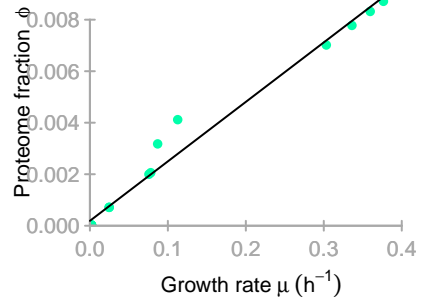
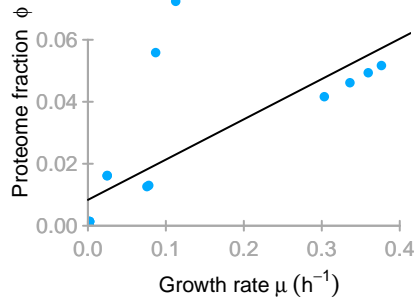
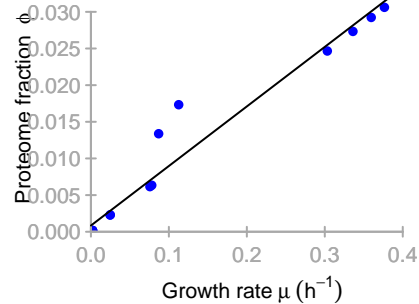
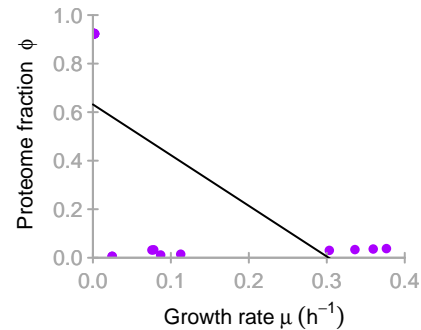
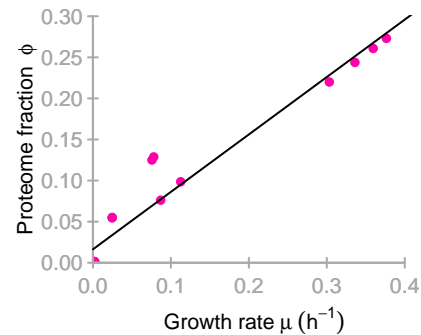
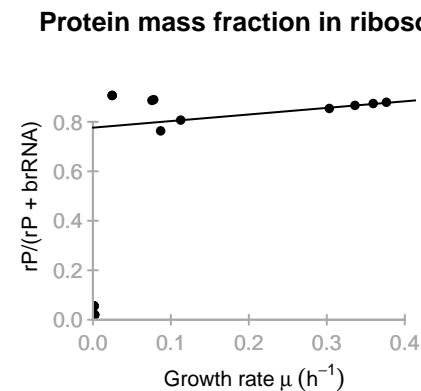
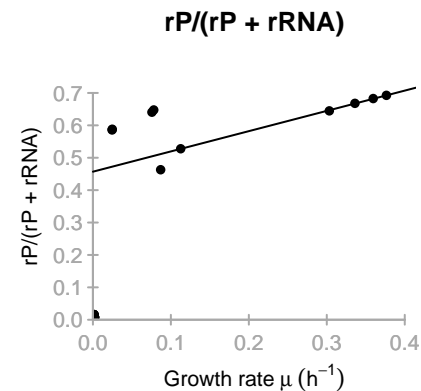
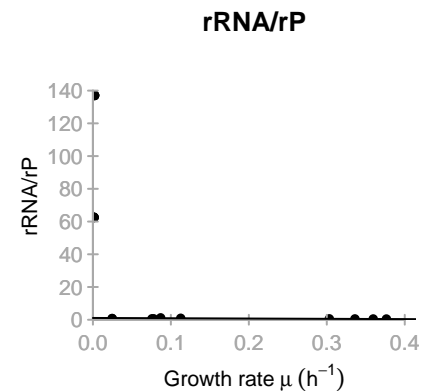
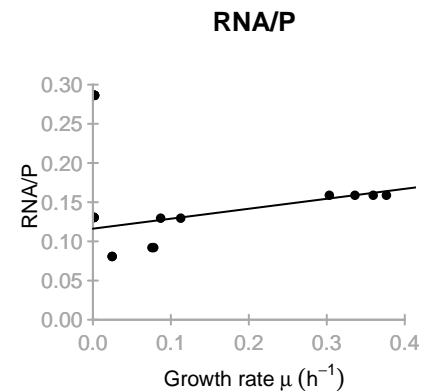
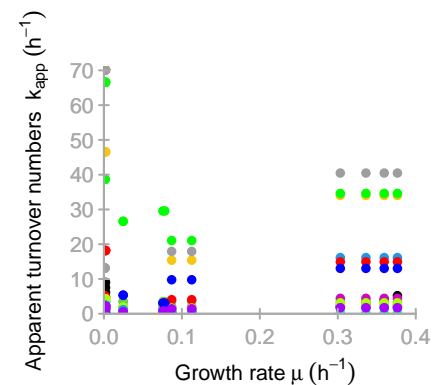
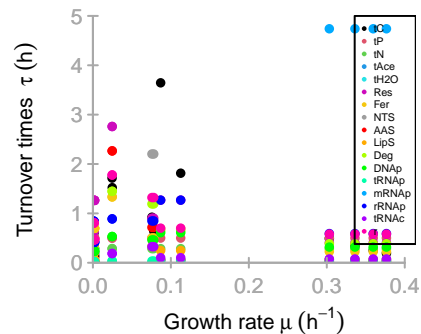
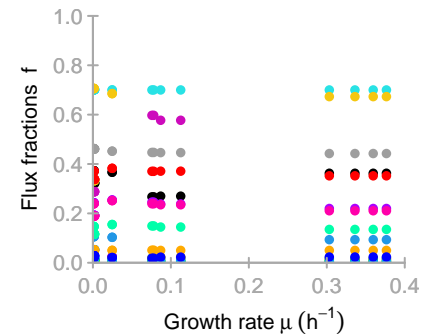
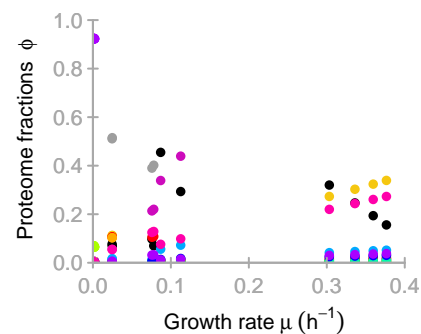
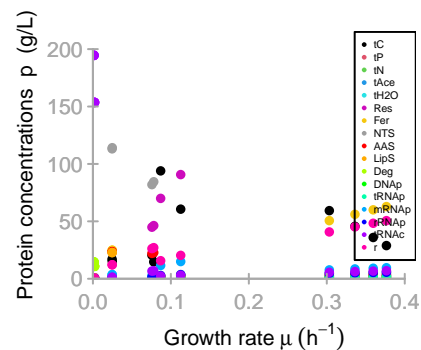
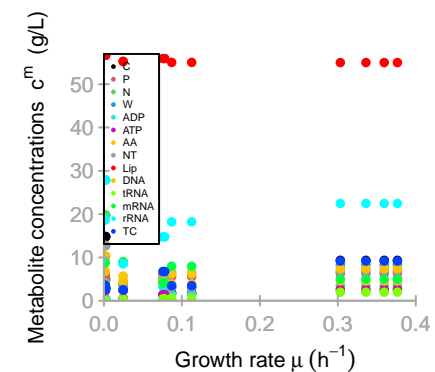
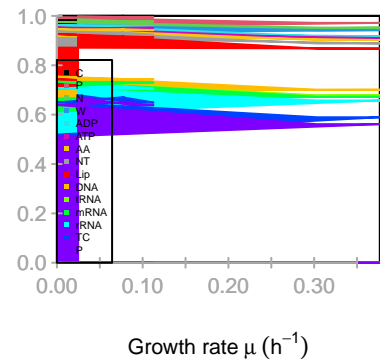


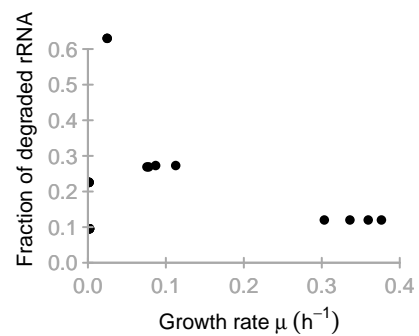
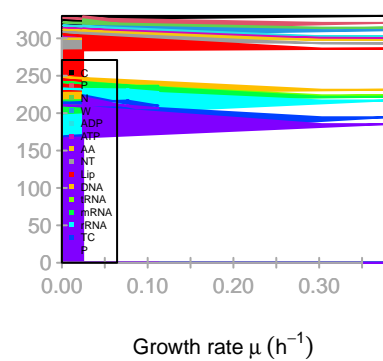
NTS**AAS****LipS****Deg****DNAP****tRNAp****mRNAp****rRNAp****tRNAc****r**



Relative biomass composition



Absolute biomass composition



M

[illegible]

K

[illegible]

KA[illegible]

kcat

	tC	tP	tN	tAce	tH2O	Res	Fer	NTS	AAS	LipS	Deg	DNAp	tRNAp	mRNAp	rRNAp	tRNAc	r
kcatf	19	5	8	273	41176	10	20	184	298	29	10	11	152	1	7	67	20
kcatb	2	1	1	27	4118	1	2	18	30	3	0	0	0	0	0	0	0

Keq

[1,]	[,1] 38	[,2] 5	[,3] 8	0.206349206349206	[,4] 9.99902865468674	[,5] 0.857338820301783	[,6] 30.625	[,7] 2.55555555555556	[,8] 9.93333333333333	[,9] 132.916666666667	[,10] Inf	[,11] Inf	[,12] Inf	[,13] Inf	[,14] Inf	[,15] Inf	[,16] Inf	[,17] Inf
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phi input

[1,]	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	0.0989	0.01	0.01	0.001	1e-04	0.1	0.15	0.1	0.05	0.02	0.01	0.01	0.01	0.01	0.02	0.15	0.25

average saturation input

1

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] 0.003	[,12] 0	[,13] 0	[,14] 0	[,15] 0	[,16] 0	[,17] 0
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minimal f constraint

[1,]	[,1] 0	[,2] 0	[,3] 0	[,4] 0	[,5] 0.7	[,6] 0	[,7] 0	[,8] 0	[,9] 0	[,10] 0.05	[,11] 0	[,12] 0	[,13] 0	[,14] 0	[,15] 0	[,16] 0	[,17] 0
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