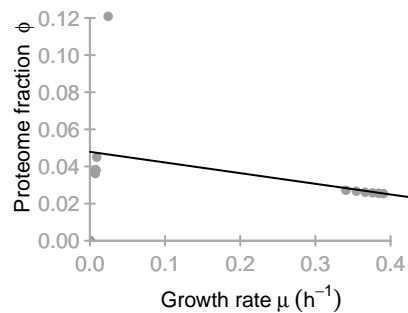
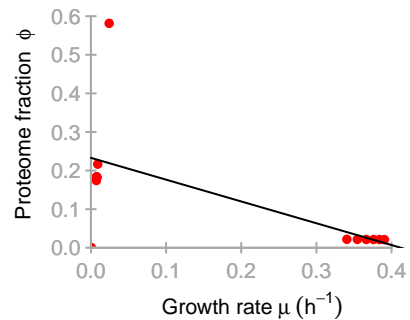
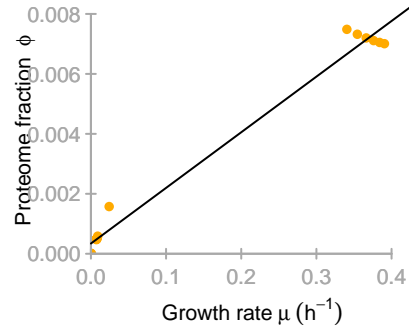
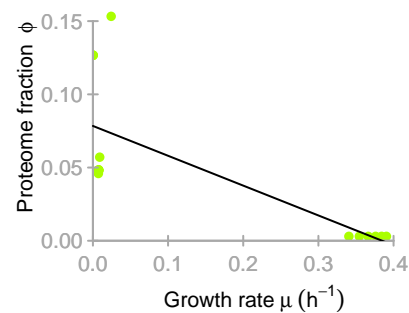
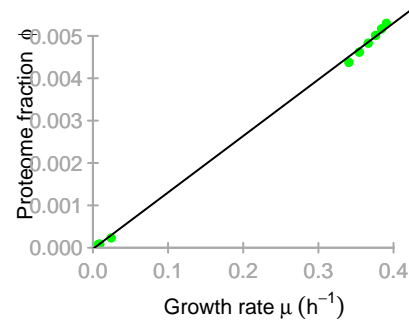
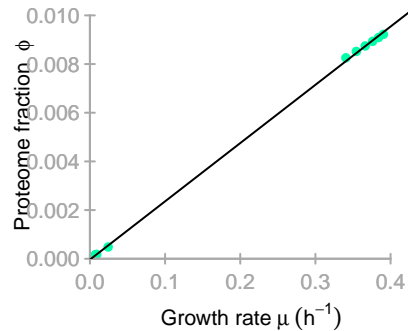
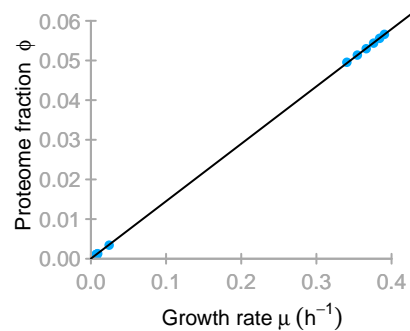
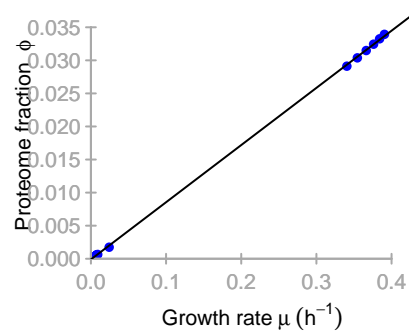
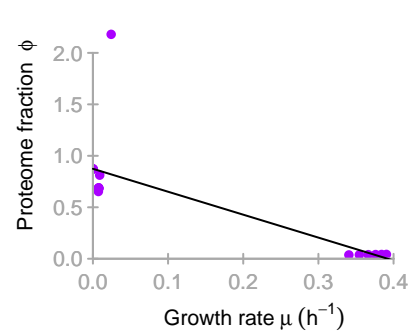
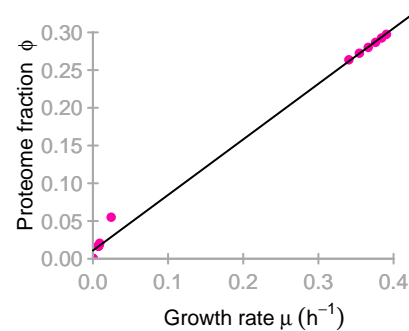
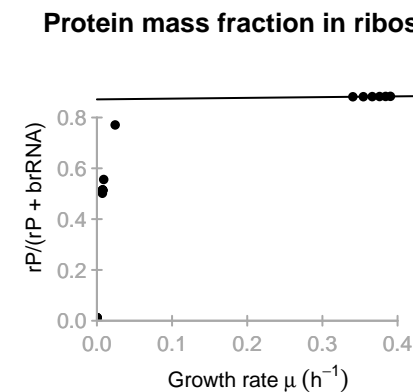
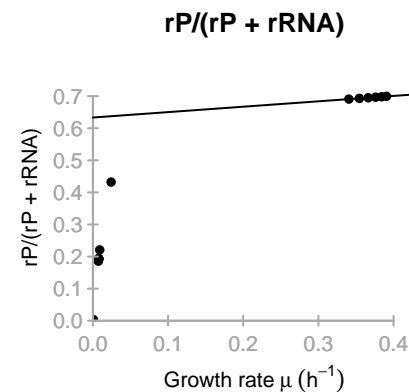
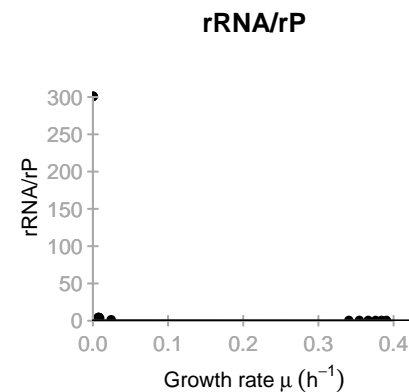
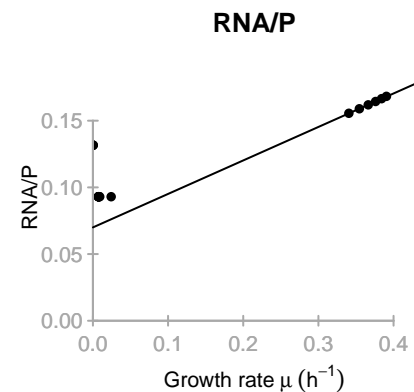
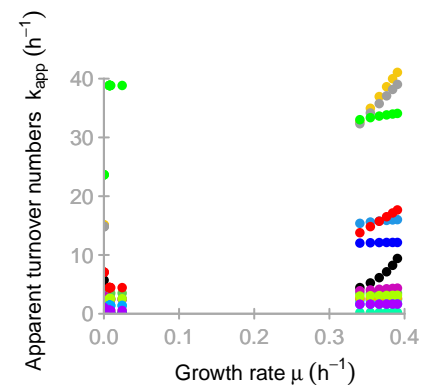
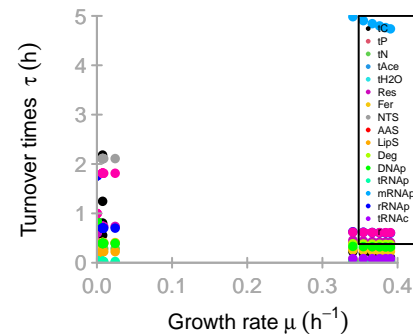
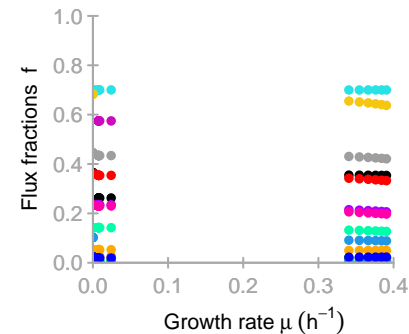
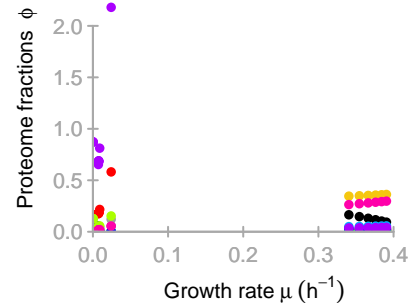
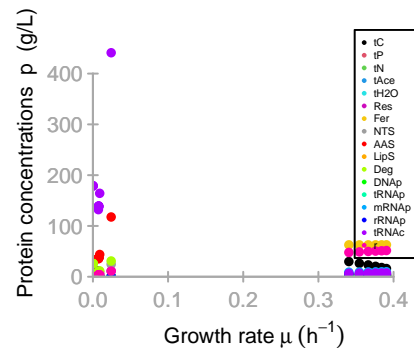
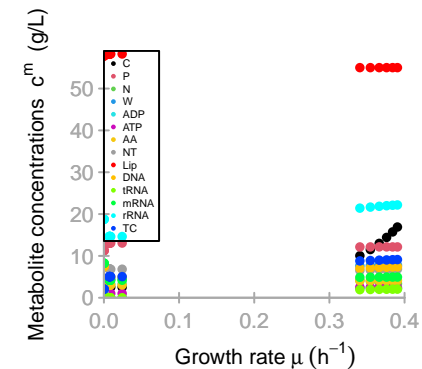
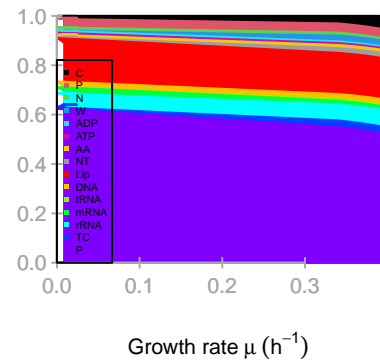


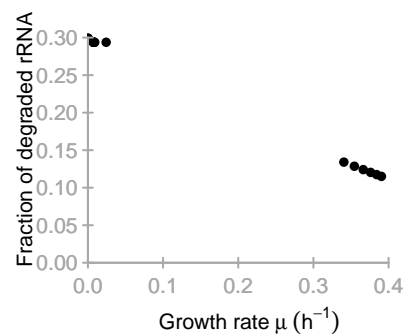
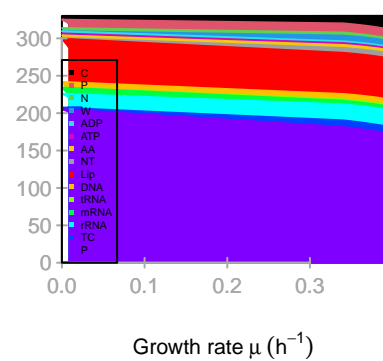
NTS**AAS****LipS****Deg****DNAP****tRNAp****mRNAp****rRNAp****tRNAc****r**



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	6	8	282	41176	10	20	183	297	29	10	11	152	1	7	67	20
kcatb	2	1	1	28	4118	1	2	18	30	3	0	0	0	0	0	0	0

Keq

[1.]	[,1] 47.5	[,2] 6	[,3] 8	0.214285714285714	[,4] 9.99902865468674	[,5] 0.228623685413809	[,6] 7.83333333333333	[,7] 6.1	[,8] 11.88	[,9] 106.333333333333	[,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
------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	------------	----------------	------------	------------	------------	------------	------------	------------

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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