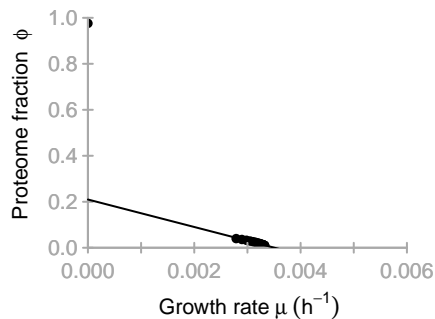
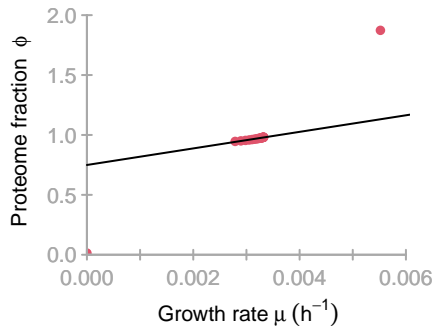


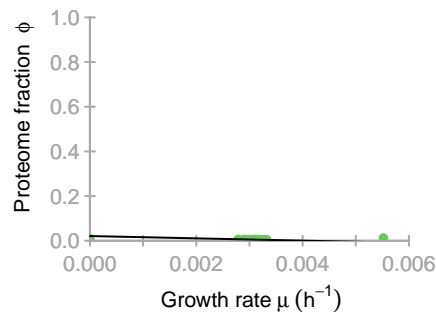
**Cin**



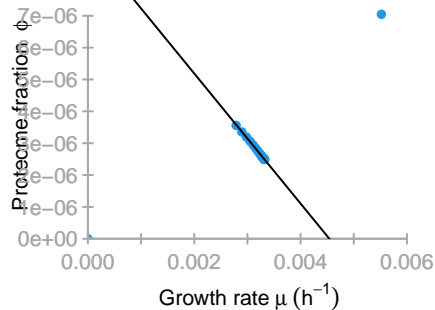
**EAA**



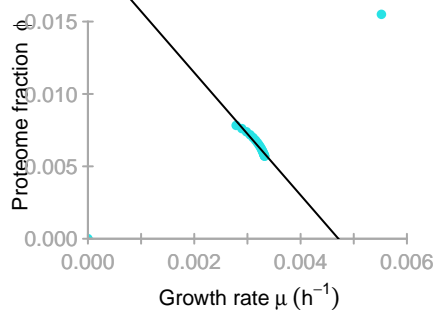
**ENT**



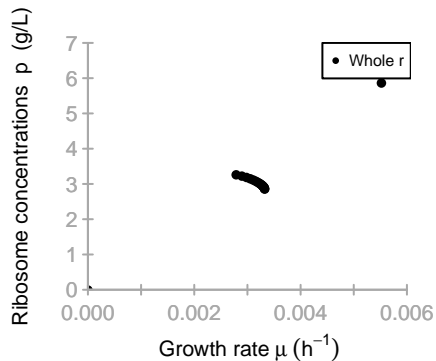
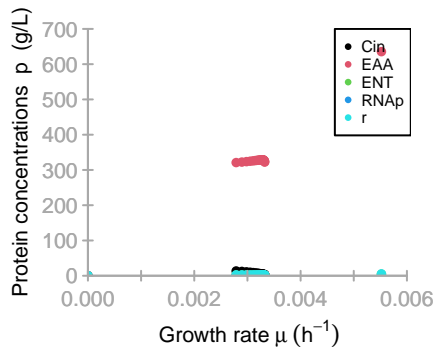
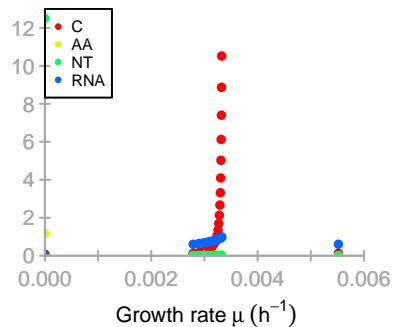
**RNAp**



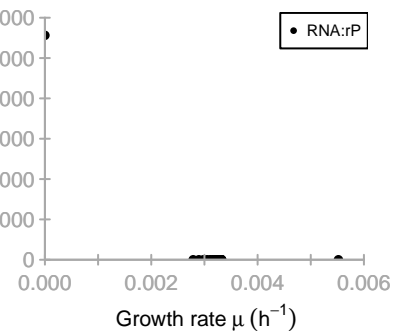
**r**

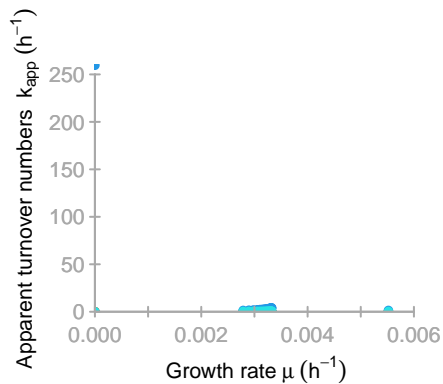
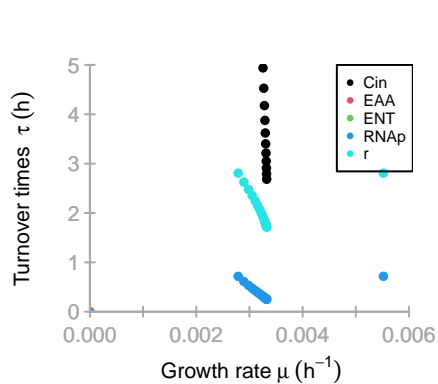
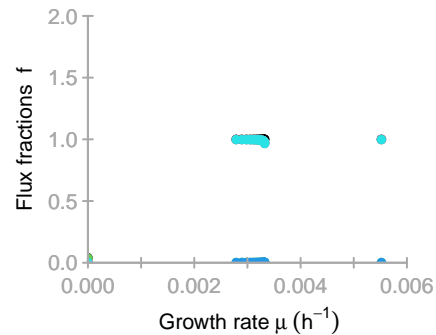
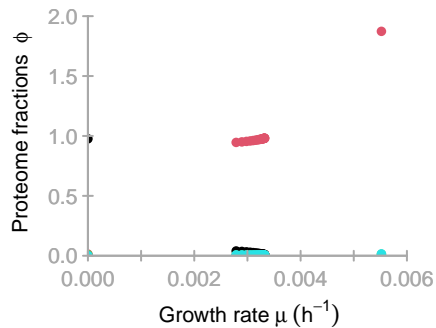
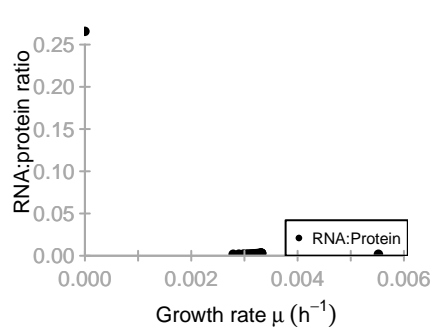


Metabolite concentrations  $c^m$  (g/L)



RNA:rP ratio





M

	Cin	EAA	ENT	RNAp	
C	1	-1	-0.663891458526056	0	
AA	0	1	-0.336108541473944	0	-0.9999999999969
NT	0	0	1	-0.999999999995625	
RNA	0	0	0	1	
p	0	0	0	0	

**K**

	<b>Cin</b>	<b>EAA</b>	<b>ENT</b>	<b>RNAp</b>	<b>r</b>
<b>[1,]</b>	0.0018	0	0	0	0
<b>[2,]</b>	0.0018	0.018	0.018	0	0
<b>[3,]</b>	0	0.1	0.0109	0	0.000327
<b>[4,]</b>	0	0	0.1	0.03243	0
<b>[5,]</b>	0	0	0	0	0
<b>[6,]</b>	0	0	0	0	0

KA

	Cin	EAA	ENT	RNAp	r
[1,]	0	0	0	0	0
[2,]	0	0	0	0	0
[3,]	0	0	0	0	0
[4,]	0	0	0	0	0
[5,]	0	0	0	0	5
[6,]	0	0	0	0	0

**kcat**

	<b>[,1]</b>	<b>[,2]</b>	<b>[,3]</b>	<b>[,4]</b>	<b>[,5]</b>
<b>kcatf</b>	0.4601	0.0034	0.0034	260.2688	3.5828
<b>kcatb</b>	0.4601	0.00034	0.00034	0	0

## Keq

[1,]	[,1]	[,2]	[,3]	[,4]	[,5]
	1	55.55555555555556	5096.83995922528	Inf	Inf