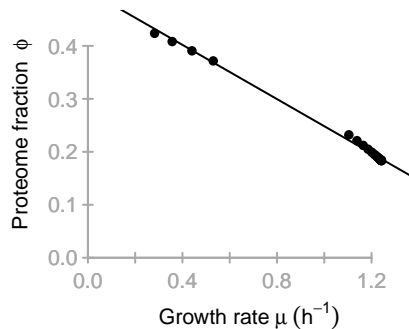
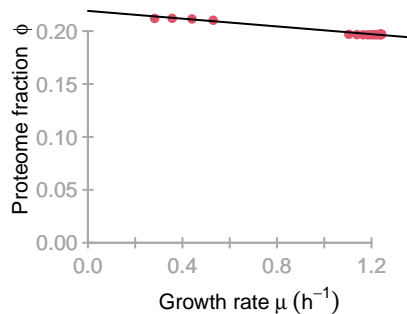


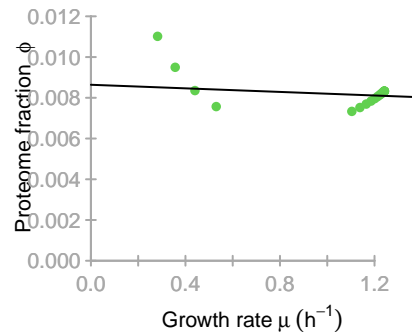
**Cin**



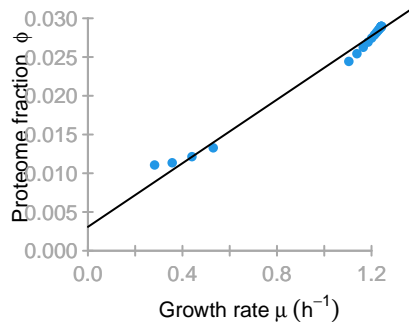
**EAA**



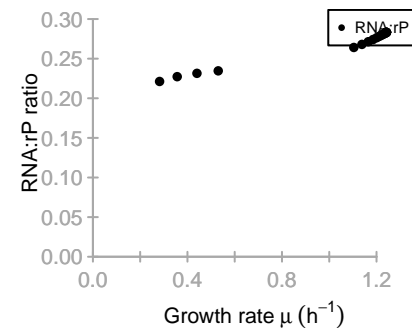
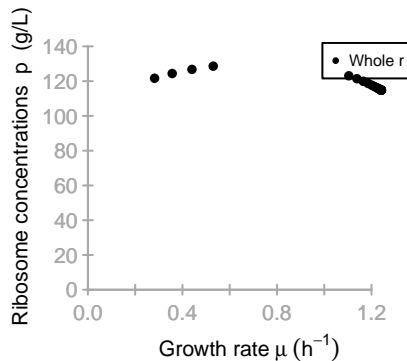
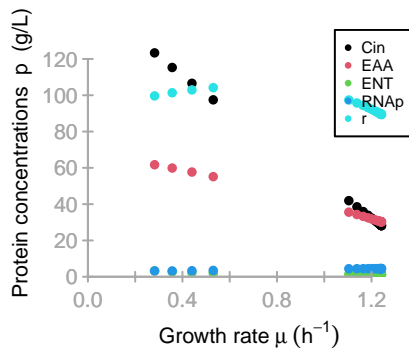
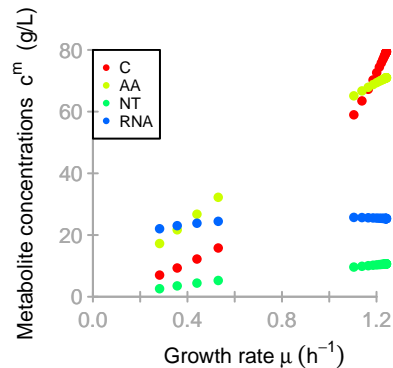
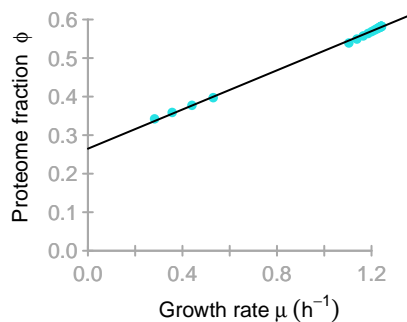
**ENT**

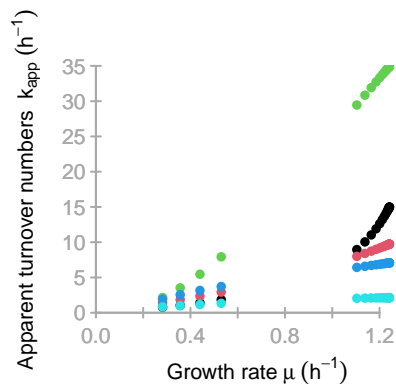
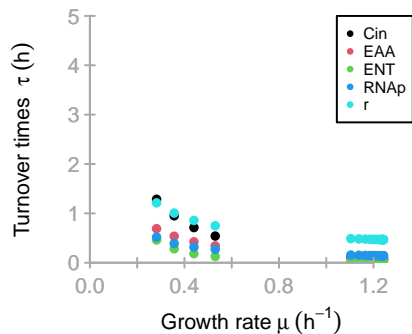
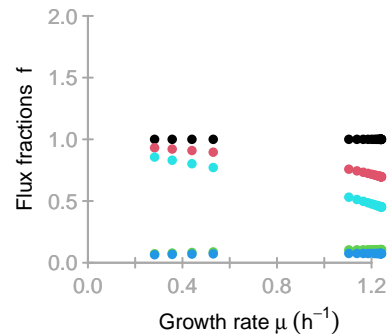
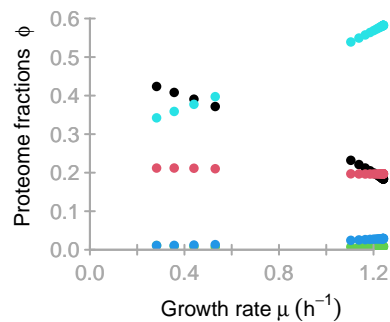
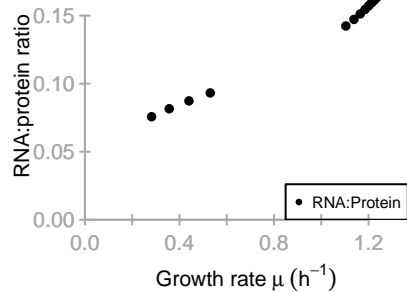


# RNaP



# r





**M**

|     | Cin | EAA | ENT   | RNAp | r  |
|-----|-----|-----|-------|------|----|
| C   | 1   | -1  | -0.66 | 0    | 0  |
| AA  | 0   | 1   | -0.34 | 0    | -1 |
| NT  | 0   | 0   | 1     | -1   | 0  |
| RNA | 0   | 0   | 0     | 1    | 0  |
| p   | 0   | 0   | 0     | 0    | 1  |

**K**

|             | <b>Cin</b> | <b>EAA</b> | <b>ENT</b> | <b>RNAp</b> | <b>r</b> |
|-------------|------------|------------|------------|-------------|----------|
| <b>[1,]</b> | 0.0036     | 0          | 0          | 0           | 0        |
| <b>[2,]</b> | 43         | 43         | 43         | 0           | 0        |
| <b>[3,]</b> | 0          | 68         | 68         | 0           | 68       |
| <b>[4,]</b> | 0          | 0          | 71         | 71          | 0        |
| <b>[5,]</b> | 0          | 0          | 0          | 81          | 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

|       | Cin | EAA | ENT | RNAp | r |
|-------|-----|-----|-----|------|---|
| kcatf | 15  | 25  | 111 | 69   | 5 |
| kcatb | 5   | 8   | 37  | 0    | 0 |

**Keq**

|                  |                  |                    |             |             |             |
|------------------|------------------|--------------------|-------------|-------------|-------------|
| <b>[1,]</b>      | <b>[,1]</b>      | <b>[,2]</b>        | <b>[,3]</b> | <b>[,4]</b> | <b>[,5]</b> |
| 35833.3333333333 | 4.94186046511628 | 0.0728454172366621 | Inf         | Inf         |             |