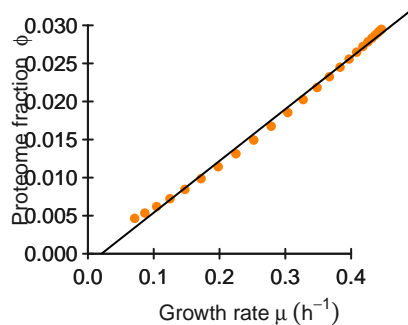
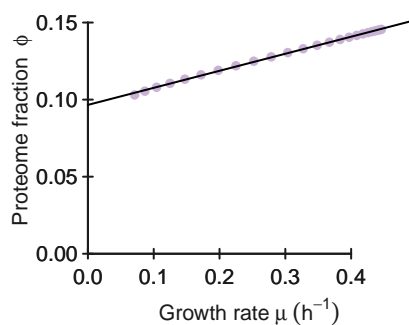
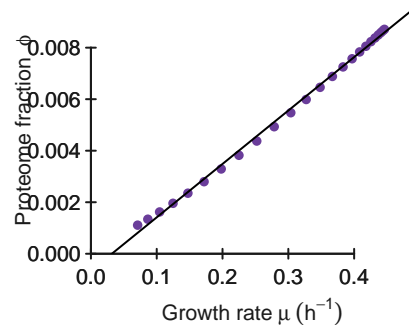
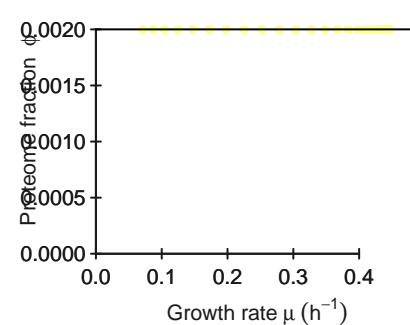
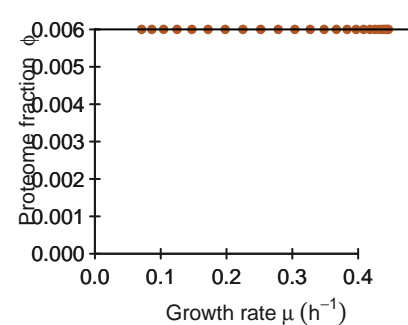
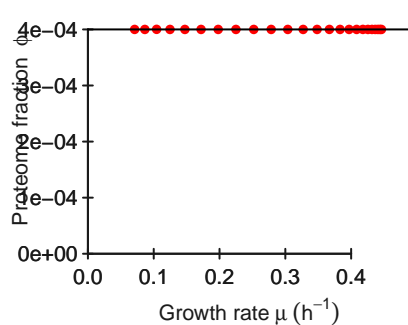
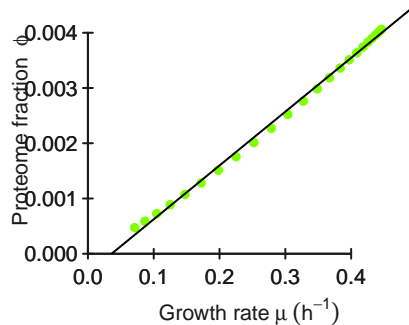
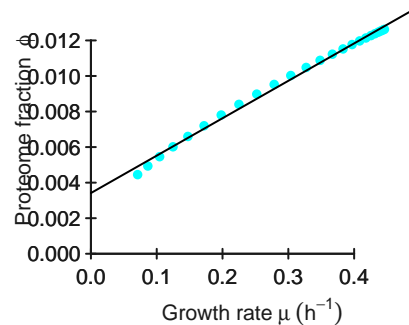
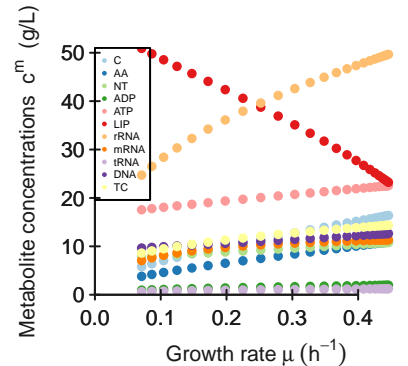
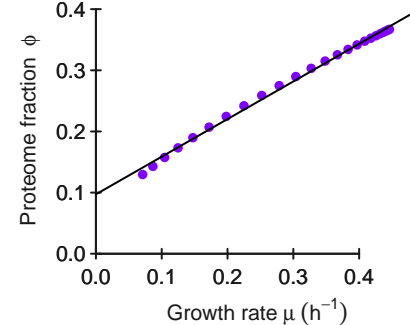


**rRNAp****mRNAp****tRNAp****rRNase****mRNase****tRNase****DNAp****tRNAc****r**





**M**

[illegible]

**K**

[illegible]

**KA**[illegible]

**kcat**[illegible]



Keq

|      |             |             |             |             |             |             |             |             |             |              |              |              |              |              |              |              |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| [1,] | [,1]<br>Inf | [,2]<br>Inf | [,3]<br>Inf | [,4]<br>Inf | [,5]<br>Inf | [,6]<br>Inf | [,7]<br>Inf | [,8]<br>Inf | [,9]<br>Inf | [,10]<br>Inf | [,11]<br>Inf | [,12]<br>Inf | [,13]<br>Inf | [,14]<br>Inf | [,15]<br>Inf | [,16]<br>Inf |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|

## phi input

|      |      |       |       |       |      |       |        |        |        |        |       |       |       |       |       |       |
|------|------|-------|-------|-------|------|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| [1,] | [,1] | [,2]  | [,3]  | [,4]  | [,5] | [,6]  | [,7]   | [,8]   | [,9]   | [,10]  | [,11] | [,12] | [,13] | [,14] | [,15] | [,16] |
|      | 0.11 | 0.023 | 0.005 | 0.032 | 0.16 | 0.031 | 0.2506 | 0.0426 | 0.0213 | 0.0071 | 0.002 | 0.006 | 4e-04 | 0.002 | 0.023 | 0.284 |

**average saturation input**

3

## minimal phi constraint

|      |           |           |           |           |           |           |           |           |           |            |                |                |                |            |            |            |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------------|----------------|----------------|------------|------------|------------|
| [1,] | [,1]<br>0 | [,2]<br>0 | [,3]<br>0 | [,4]<br>0 | [,5]<br>0 | [,6]<br>0 | [,7]<br>0 | [,8]<br>0 | [,9]<br>0 | [,10]<br>0 | [,11]<br>0.002 | [,12]<br>0.006 | [,13]<br>4e-04 | [,14]<br>0 | [,15]<br>0 | [,16]<br>0 |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------------|----------------|----------------|------------|------------|------------|

## minimal f constraint

|      |           |           |           |           |           |           |           |           |           |            |            |            |            |            |            |            |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| [1,] | [,1]<br>0 | [,2]<br>0 | [,3]<br>0 | [,4]<br>0 | [,5]<br>0 | [,6]<br>0 | [,7]<br>8 | [,8]<br>0 | [,9]<br>0 | [,10]<br>0 | [,11]<br>0 | [,12]<br>0 | [,13]<br>0 | [,14]<br>0 | [,15]<br>0 | [,16]<br>0 |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|