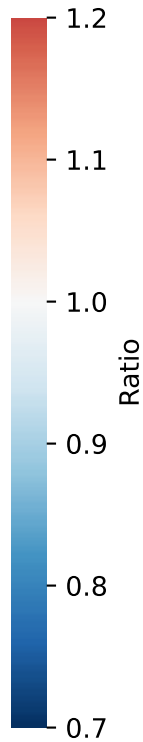


Ammonium exchange  
(% growth rate saturation)

Ratio

200  
193.0  
187.3  
180.6  
174.2  
167.7  
161.3  
154.8  
148.4  
142.1  
135.5  
129.0  
122.6  
116.1  
109.7  
103.2  
96.8  
90.3  
83.9  
77.4  
71.0  
64.5  
58.1  
51.6  
45.2  
38.7  
32.3  
25.8  
19.4  
12.9  
6.5  
0.0

0.0  
6.5  
12.9  
19.4  
25.8  
32.3  
38.7  
45.2  
51.6  
58.1  
64.5  
71.0  
77.4  
83.9  
90.3  
96.8  
103.2  
109.7  
116.1  
122.6  
129.0  
135.5  
141.9  
148.4  
154.8  
161.3  
167.7  
174.2  
180.6  
187.1  
193.5  
200.0



Ammonium exchange  
(% growth rate saturation)

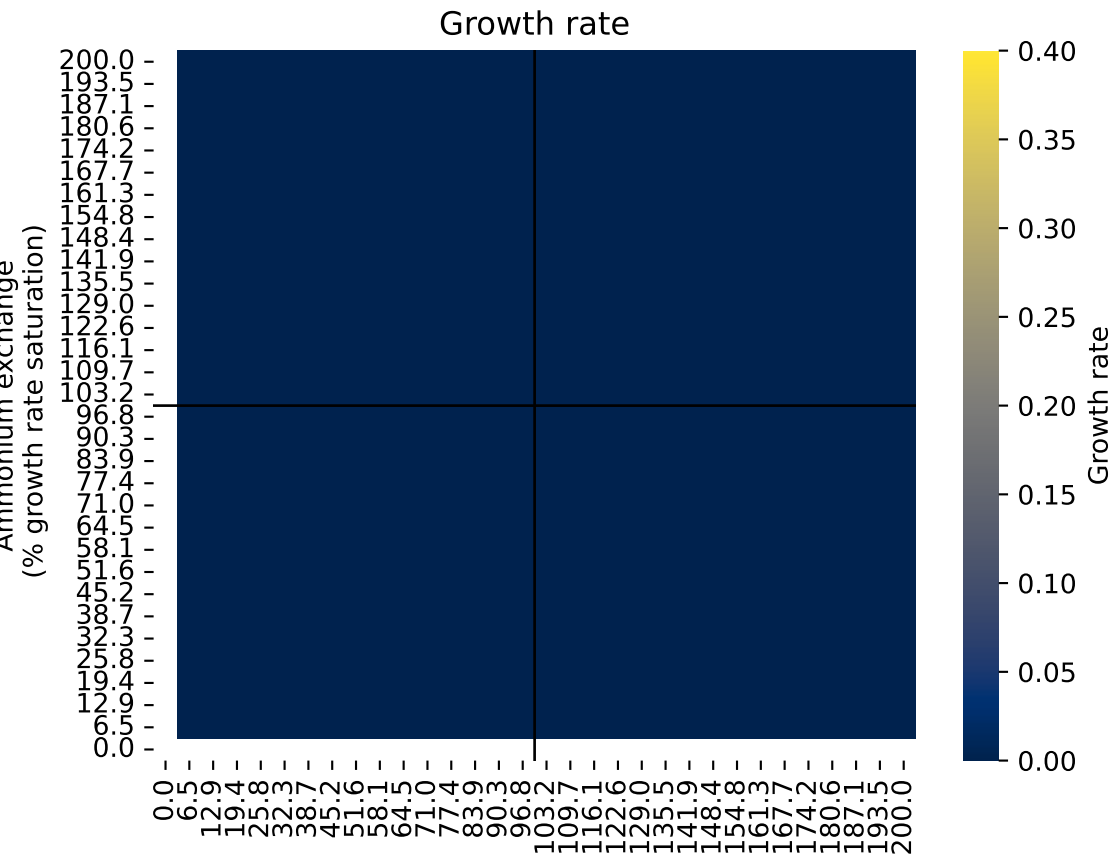
$\log_2(\text{Ratio})$

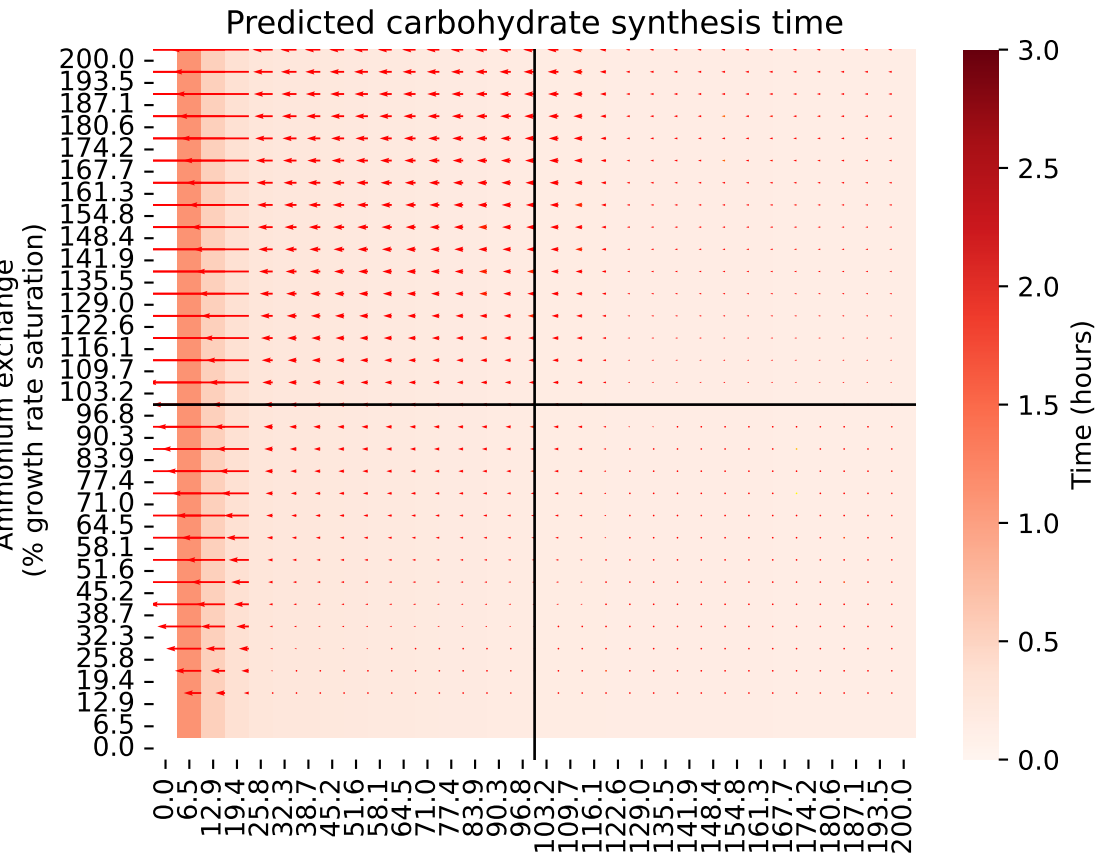
$\log_2(\text{Ratio})$

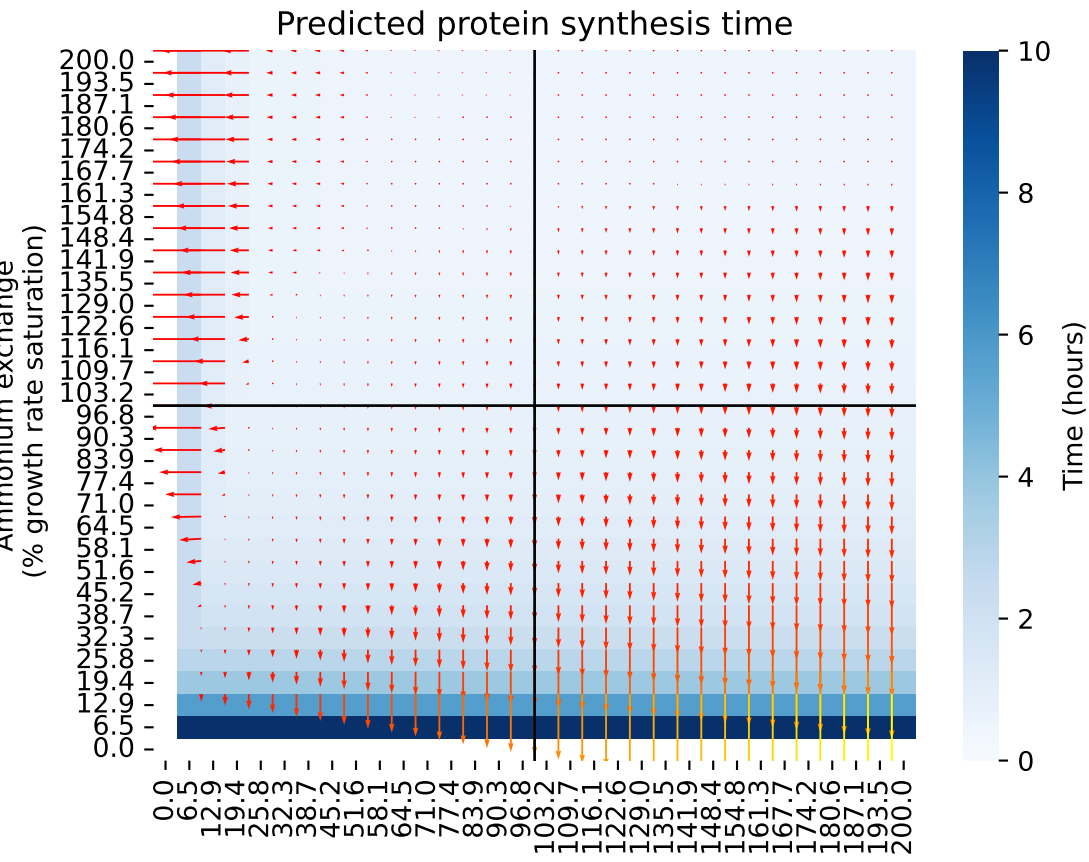
200  
190  
180  
170  
160  
150  
140  
130  
120  
110  
100  
90  
80  
70  
60  
50  
40  
30  
20  
10  
0

0.0  
6.5  
12.9  
19.4  
25.8  
32.3  
38.7  
45.2  
51.6  
58.1  
64.5  
71.0  
77.4  
83.9  
90.3  
96.8  
103.2  
109.7  
116.1  
122.6  
129.0  
135.5  
141.9  
148.4  
154.8  
161.3  
167.7  
174.2  
180.6  
187.1  
193.5  
200.0

0.2  
0.1  
0.0  
-0.1  
-0.2  
-0.3  
-0.4  
-0.5







# Ratio of carbohydrate synthesis time to protein synthesis time

