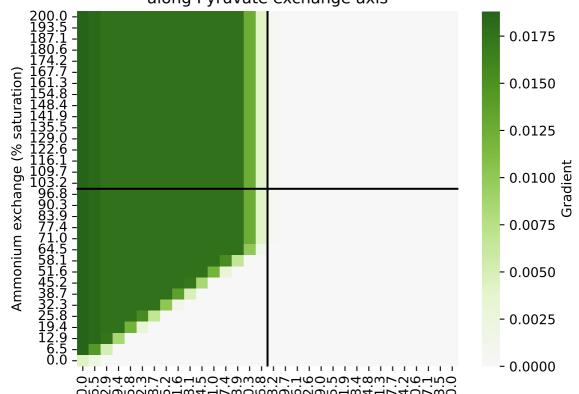
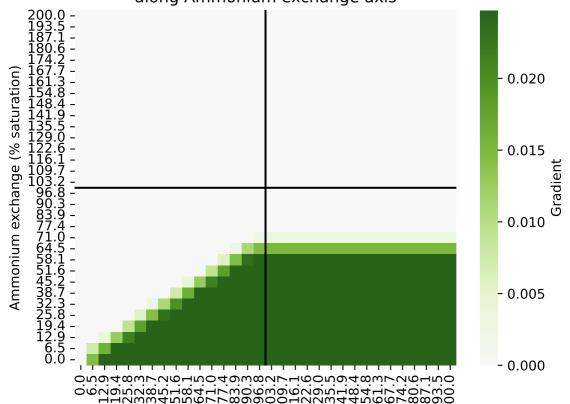


Gradient of growth rate, along Pyruvate exchange axis



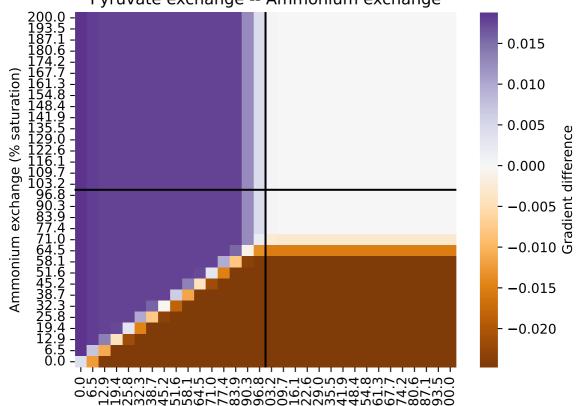
11788455667788660017784456678860

Gradient of growth rate, along Ammonium exchange axis

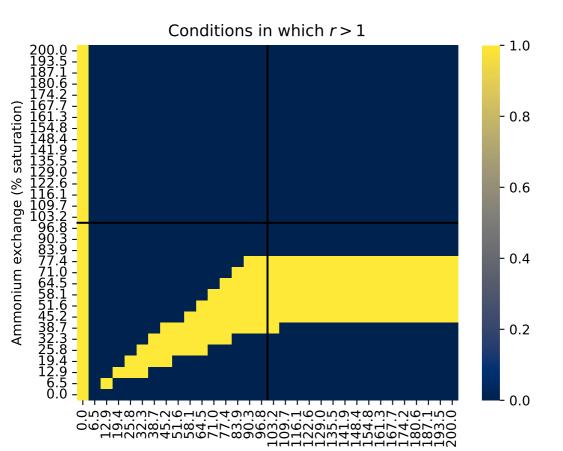


H

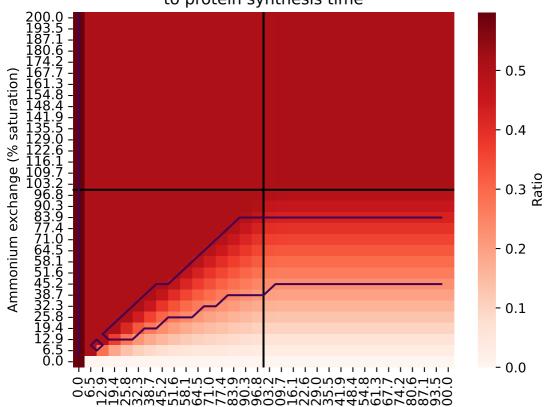
Differences in magnitude of gradient, Pyruvate exchange -- Ammonium exchange



H



Ratio of carbohydrate synthesis time to protein synthesis time



H