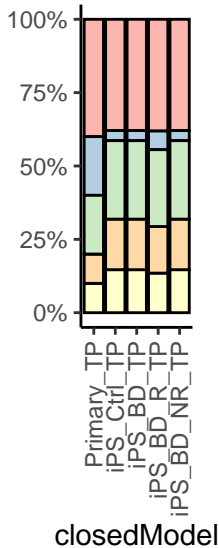


## Nutrient source



ATP demand (mmol/gDw/h), per 1 mmol of



Nutrient source



glc\_D[e], aerobic

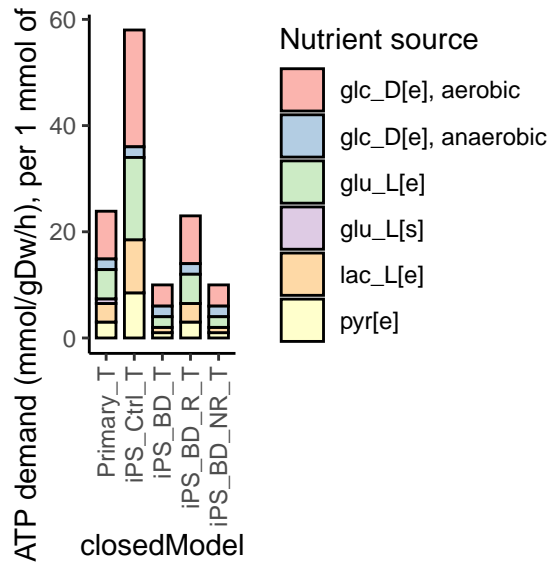
glc\_D[e], anaerobic

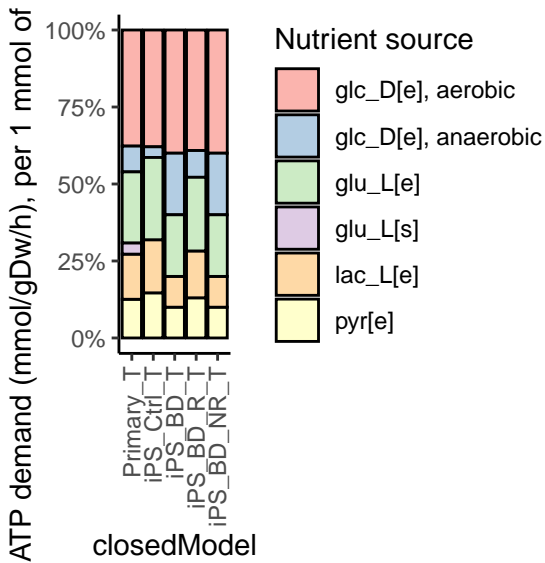
glu\_L[e]

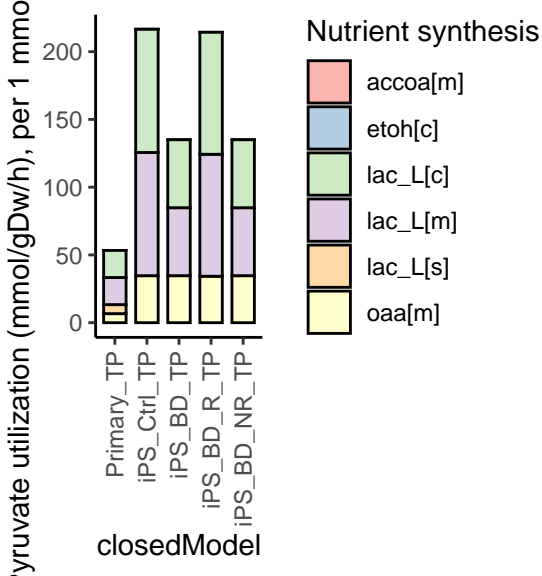
glu\_L[s]

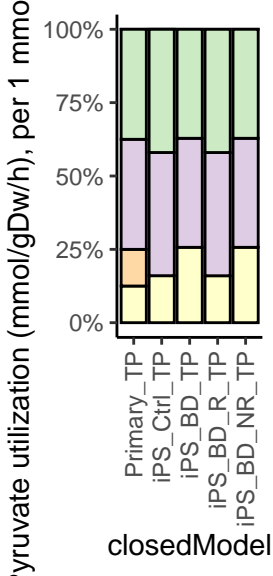
lac\_L[e]

pyr[e]

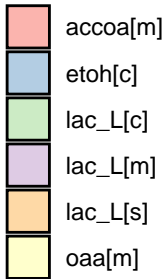


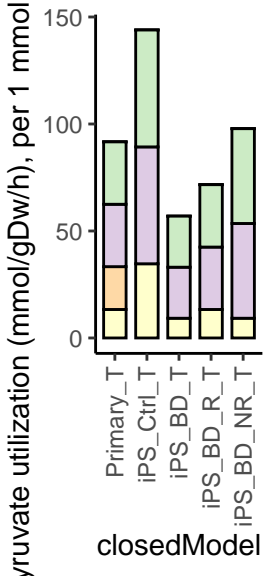




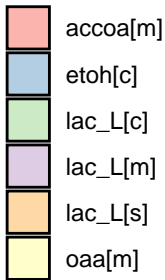


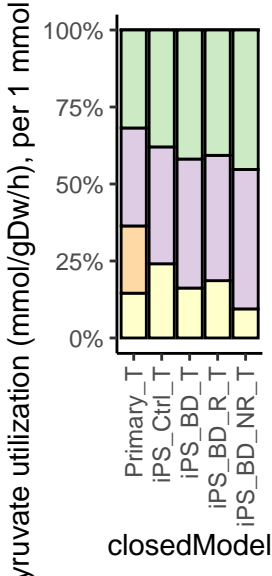
## Nutrient synthesis





## Nutrient synthesis





## Nutrient synthesis

