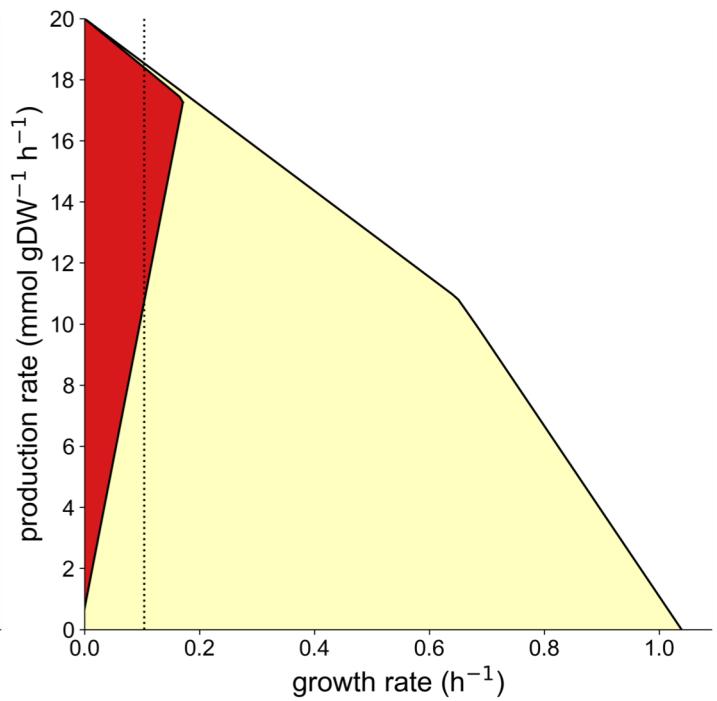
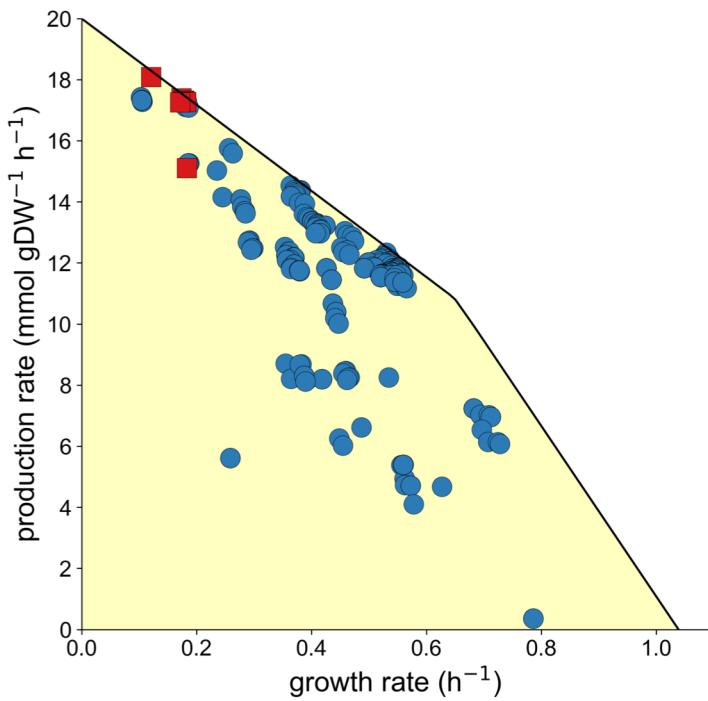
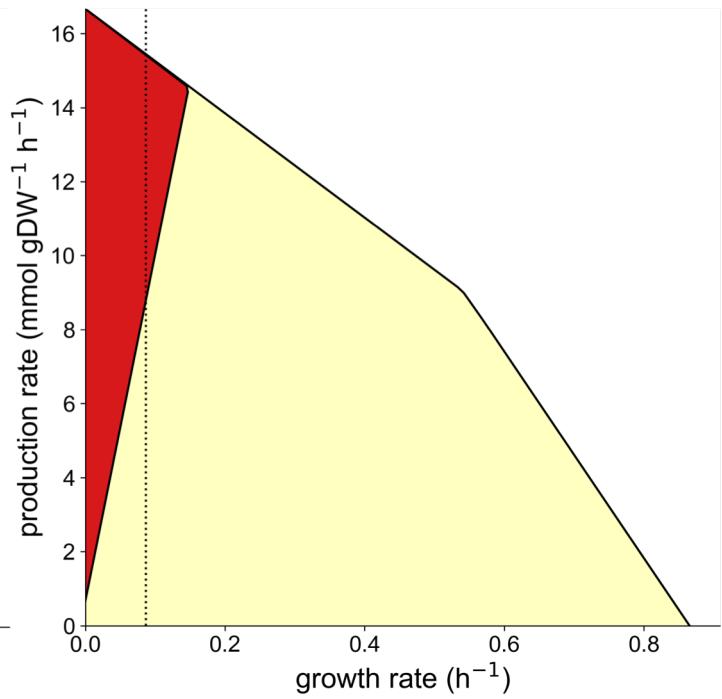
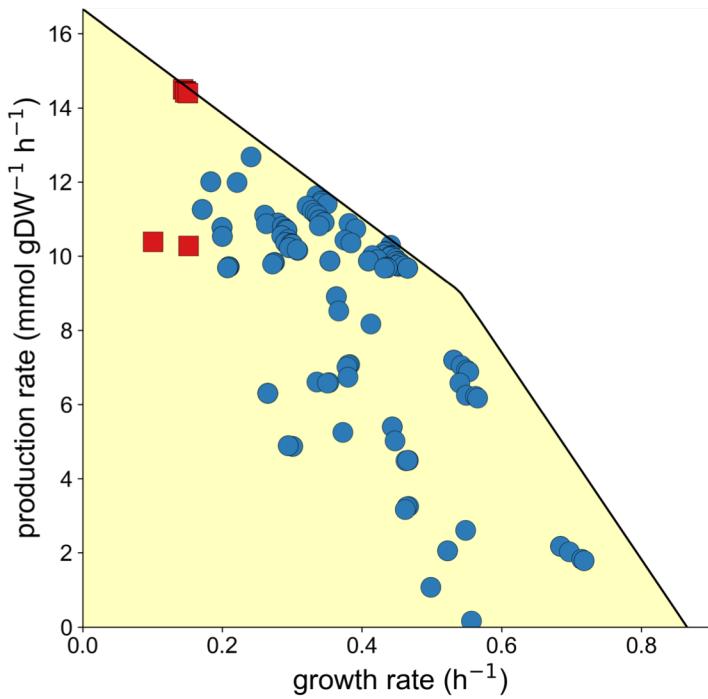


# Malonate

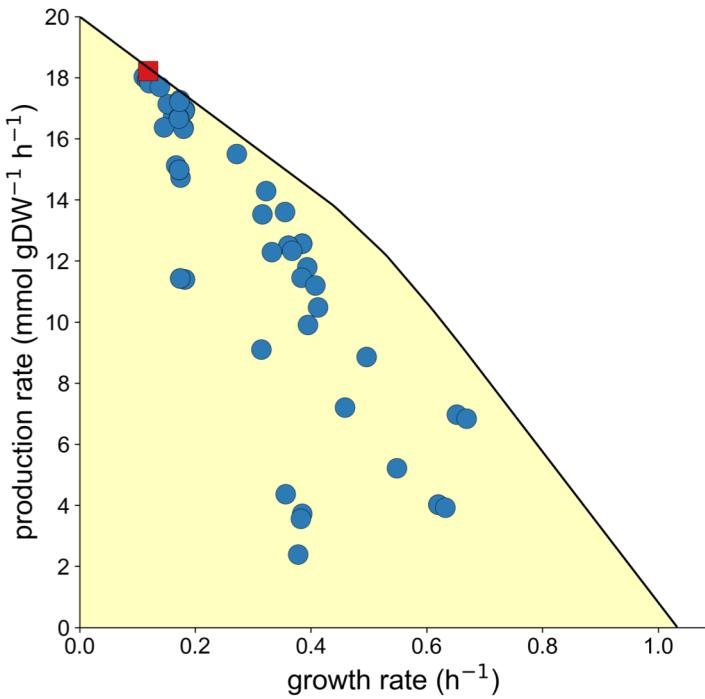
## Glucose



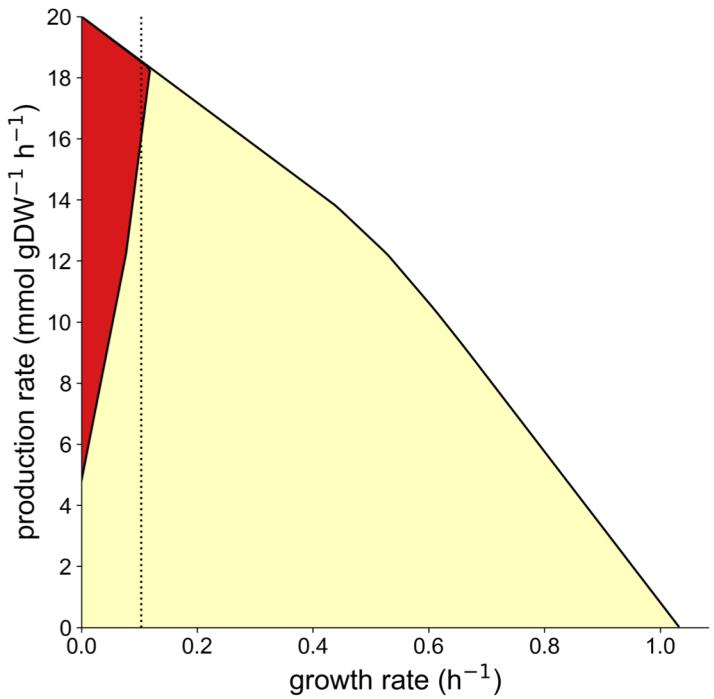
## Xylose



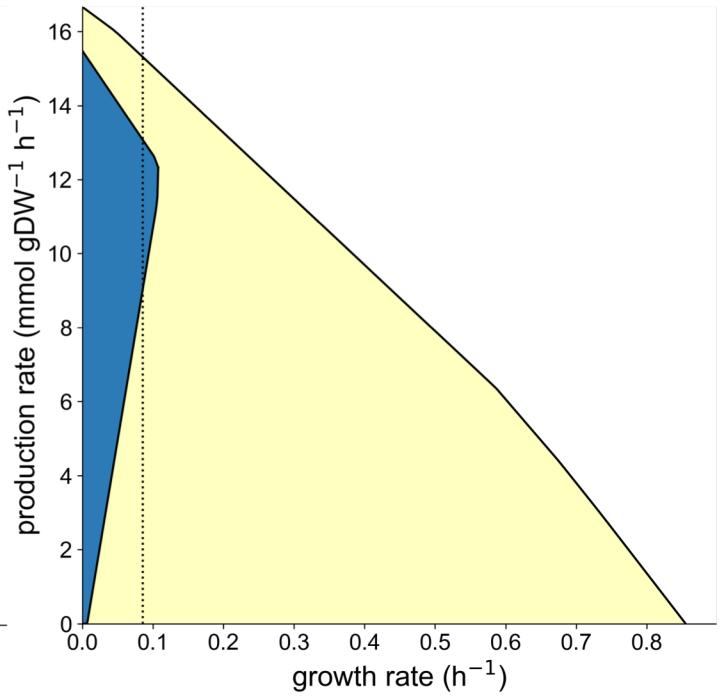
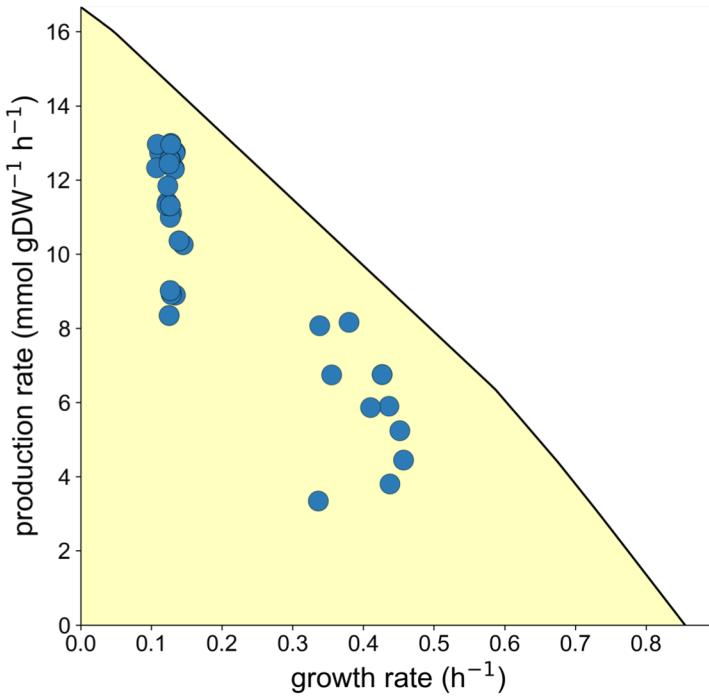
## Glucose



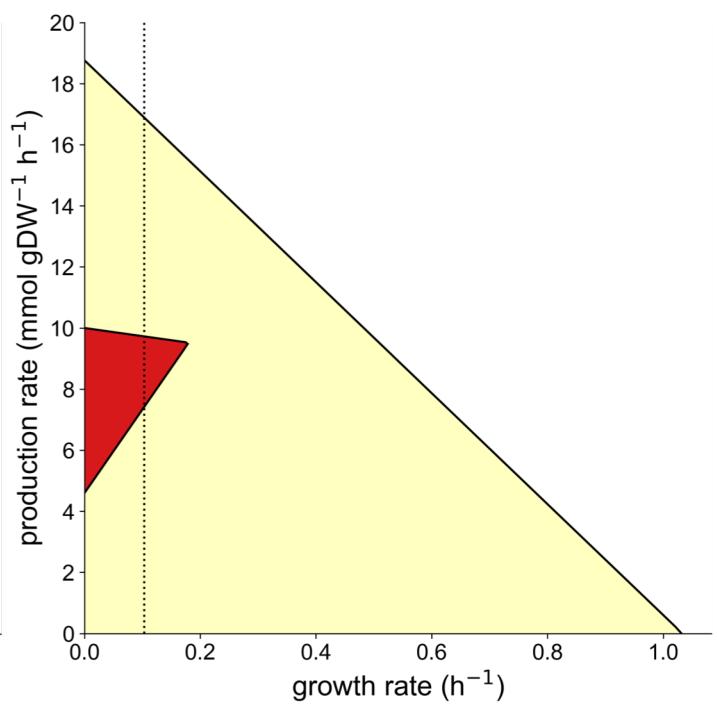
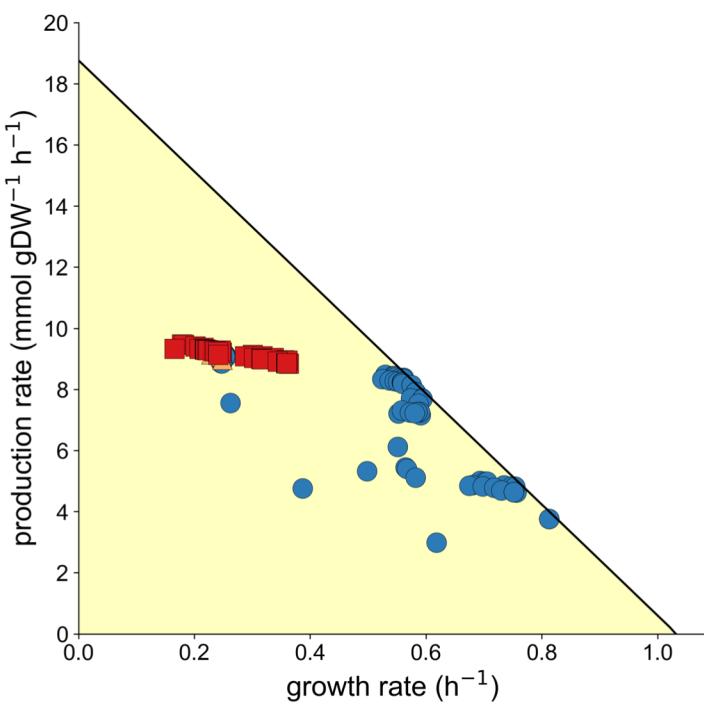
## Pyruvate



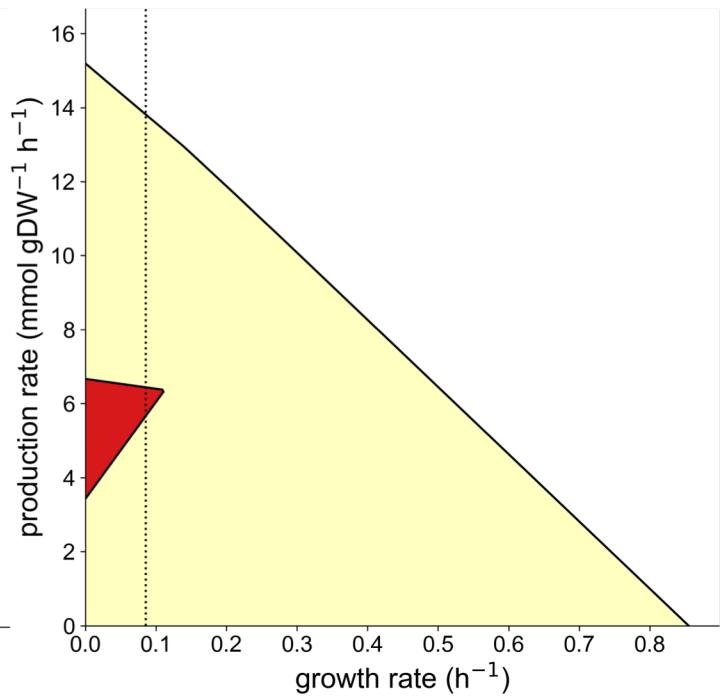
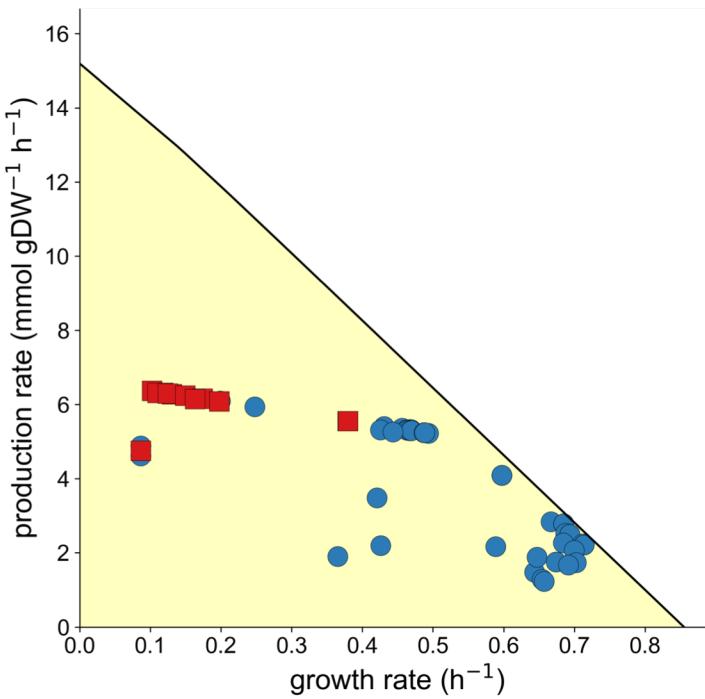
## Xylose



## Glucose

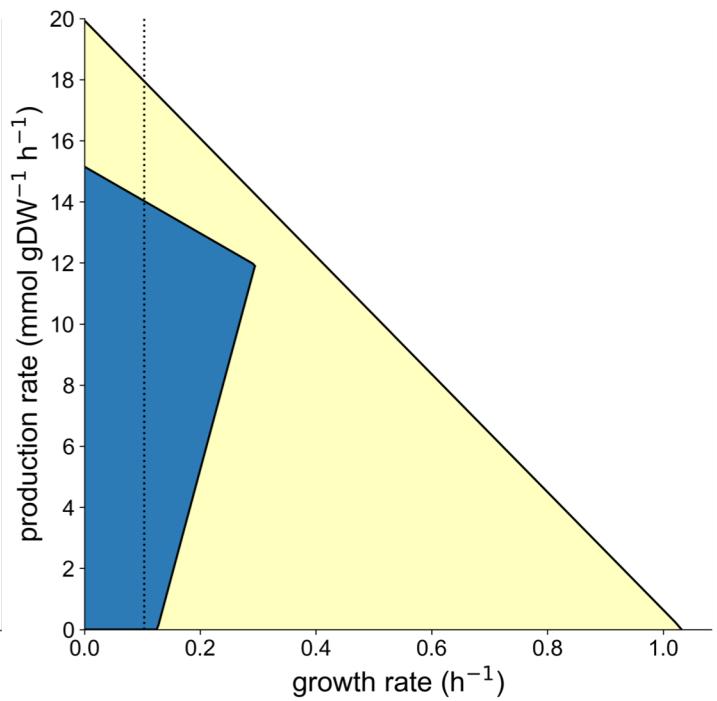
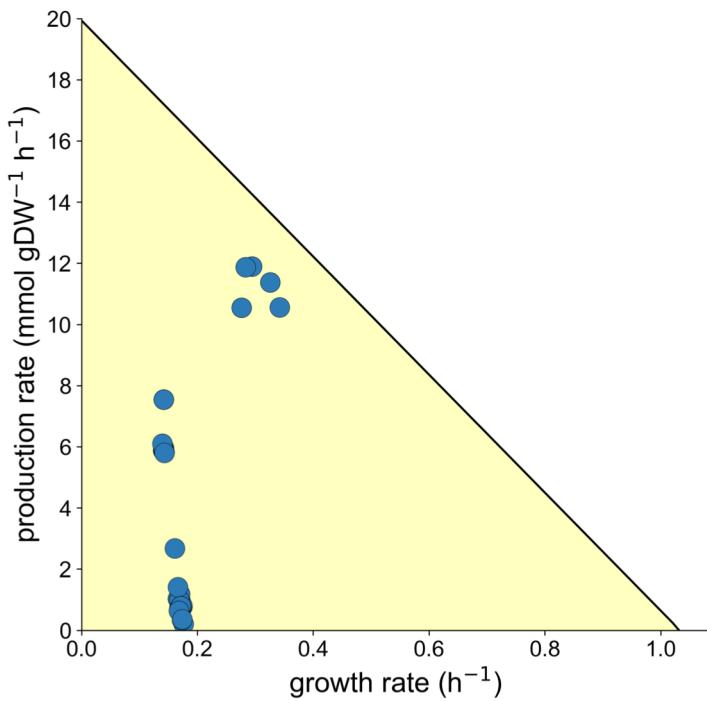


## Xylose

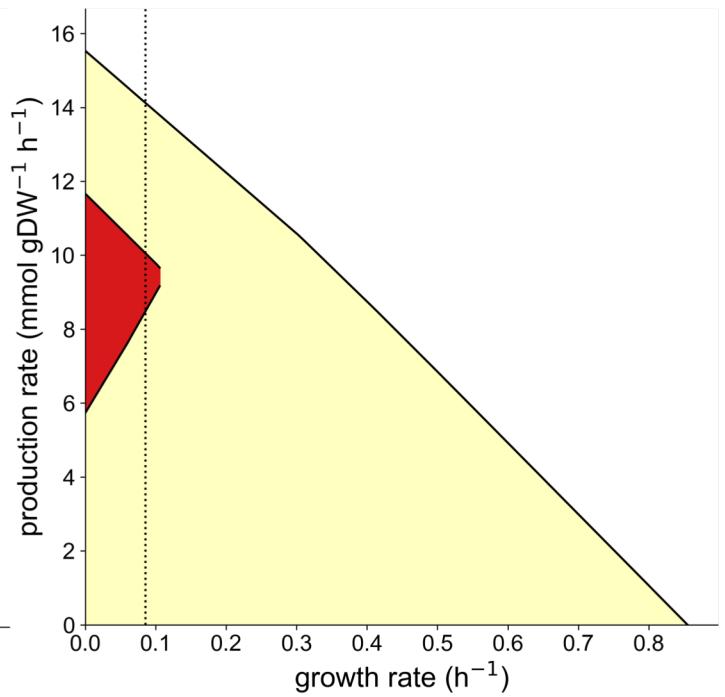
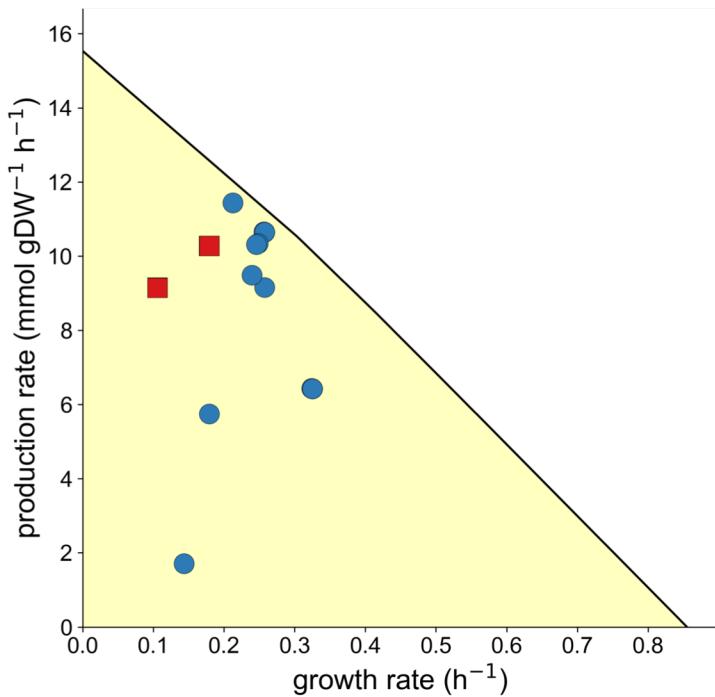


# 3-Hydroxypropionate

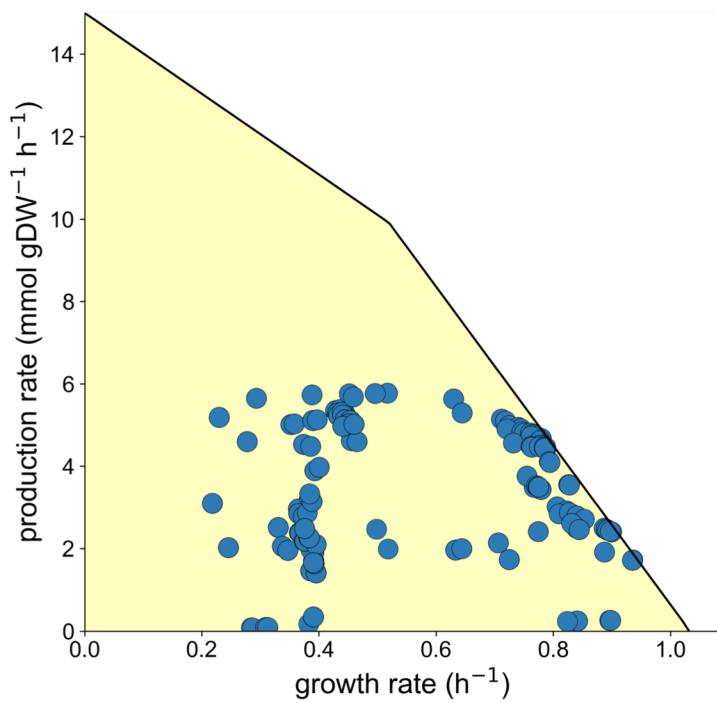
Glucose



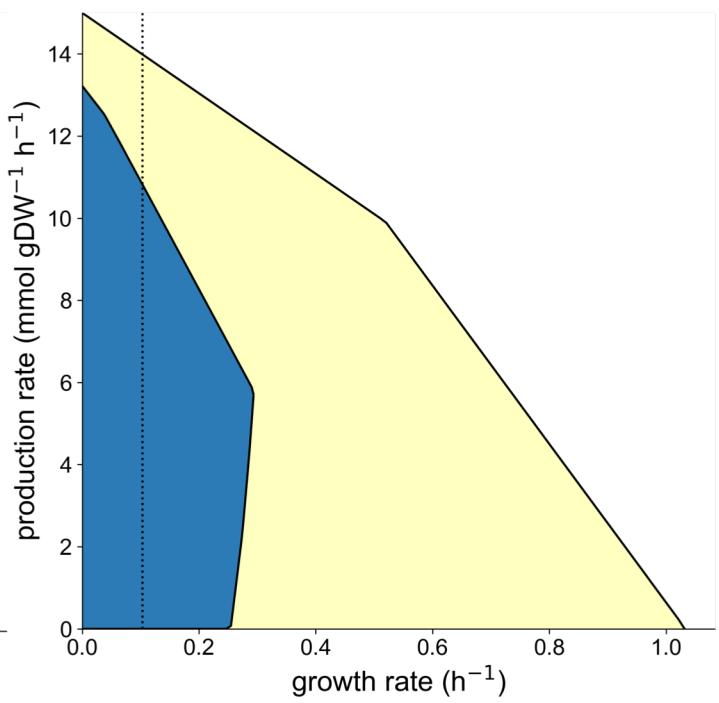
Xylose



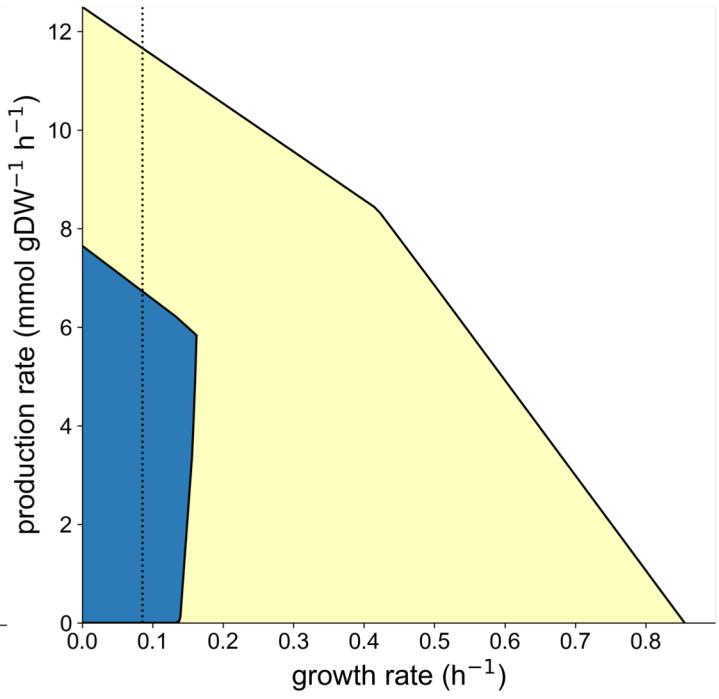
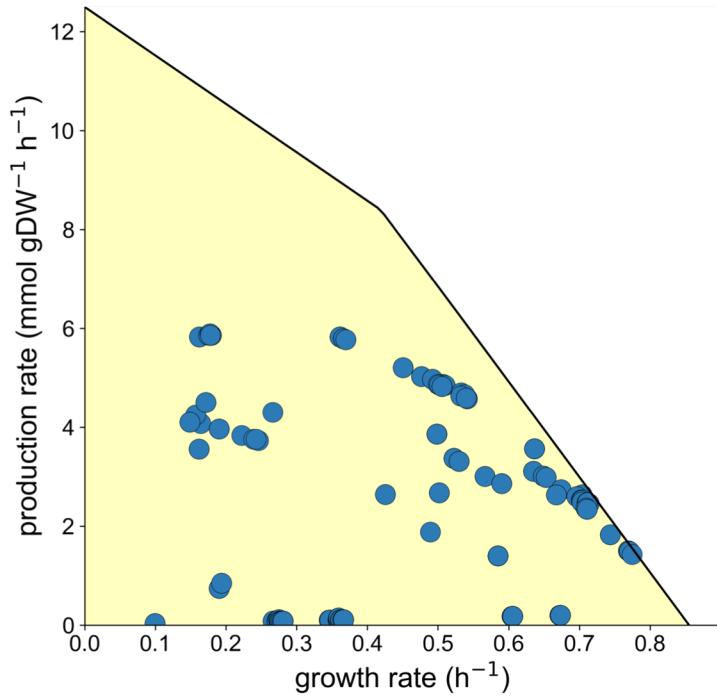
Glucose



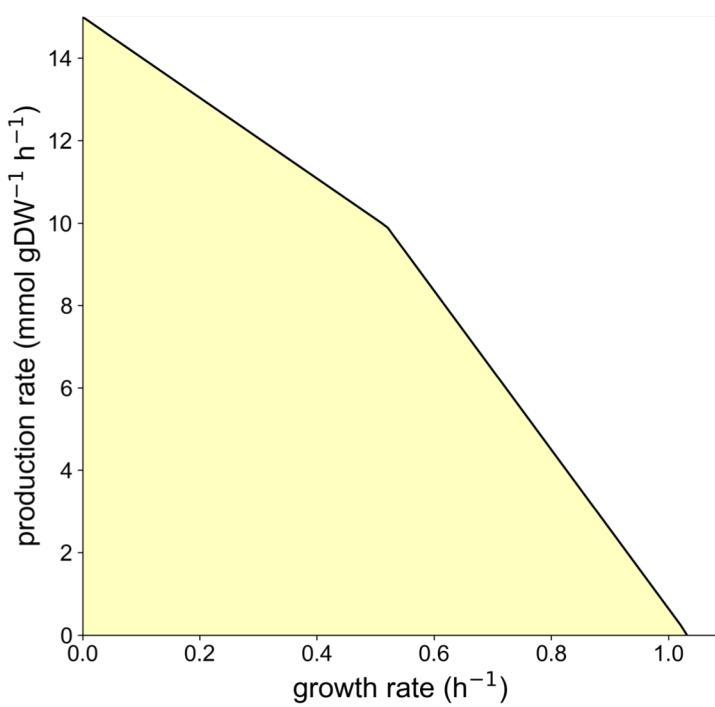
Fumarate



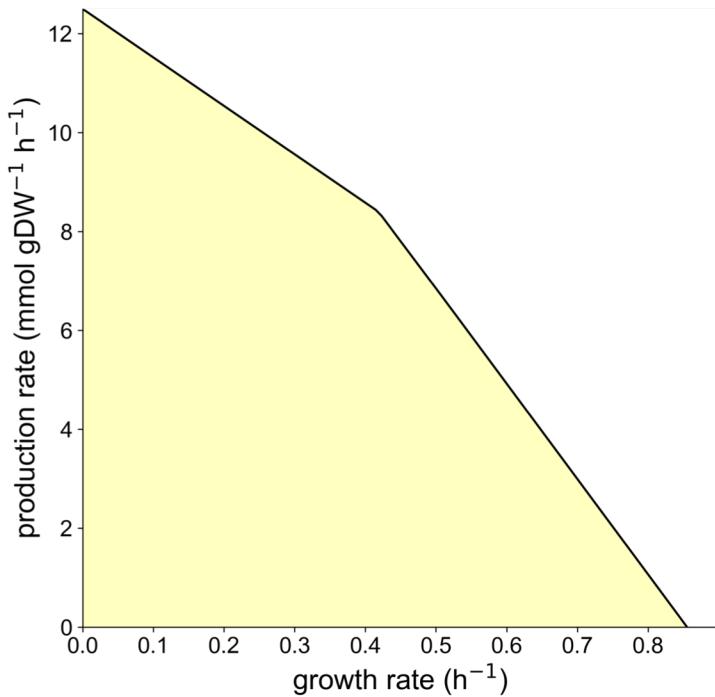
Xylose



Glucose

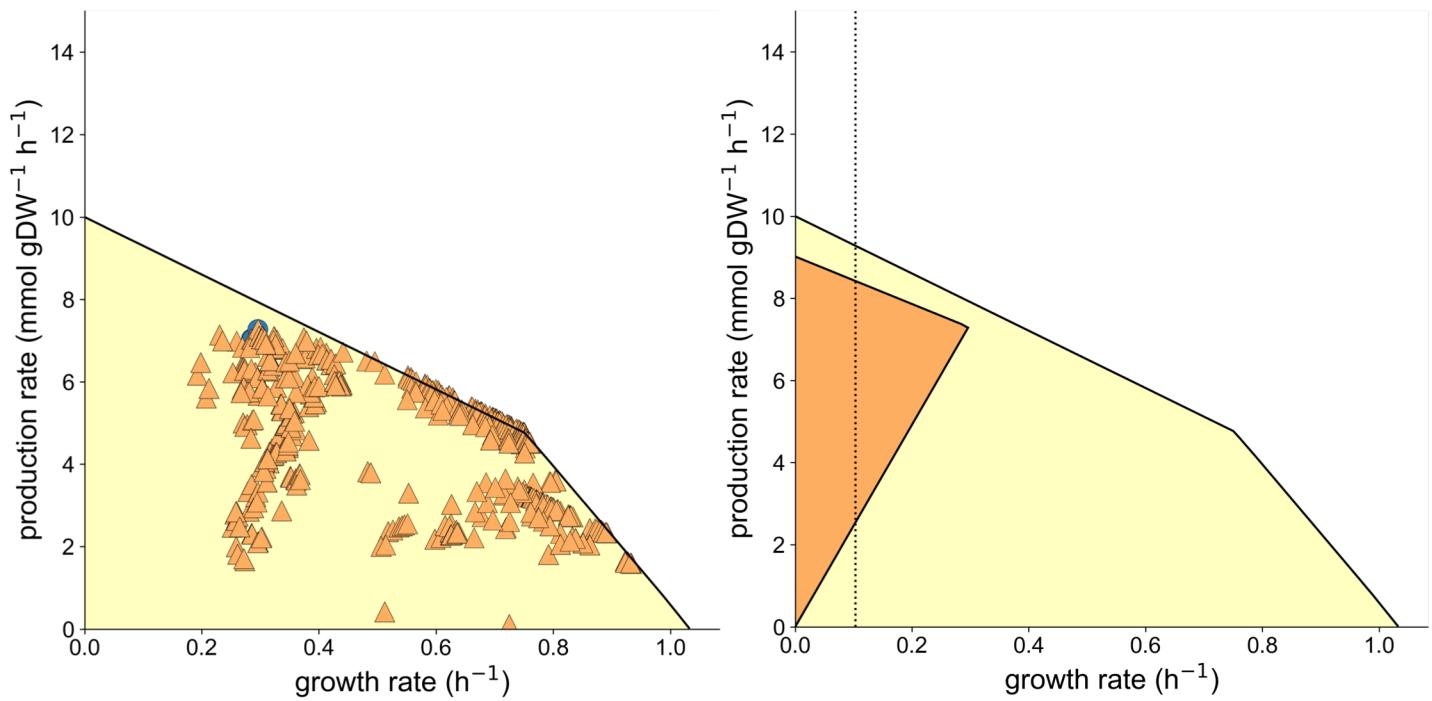


Xylose

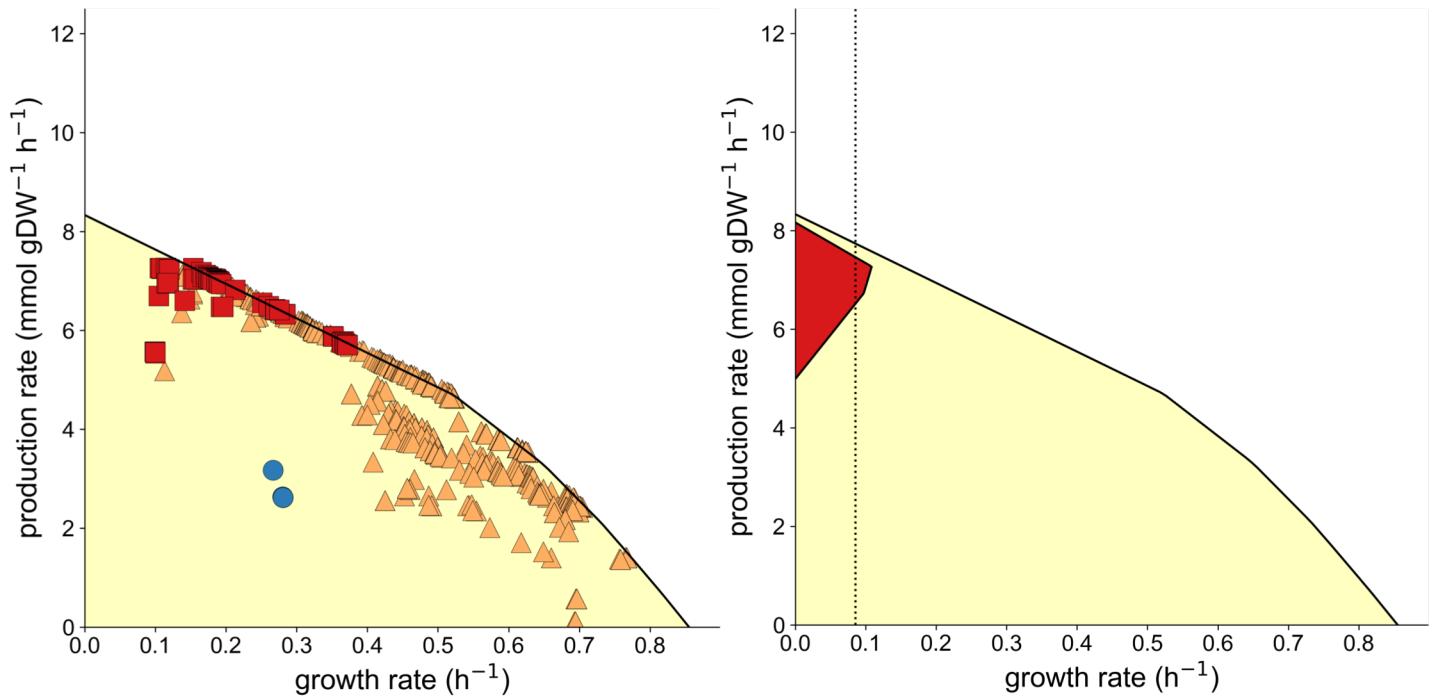


Glucose

# Succinate

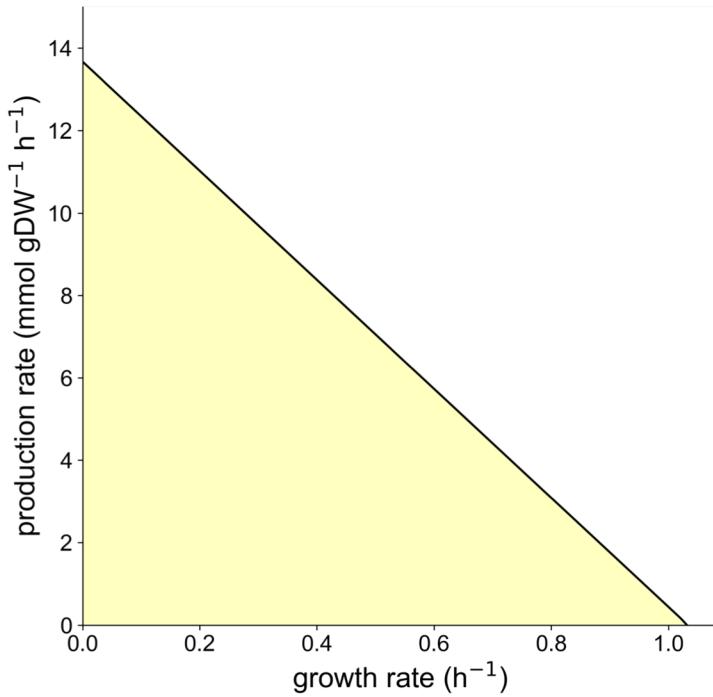


Xylose

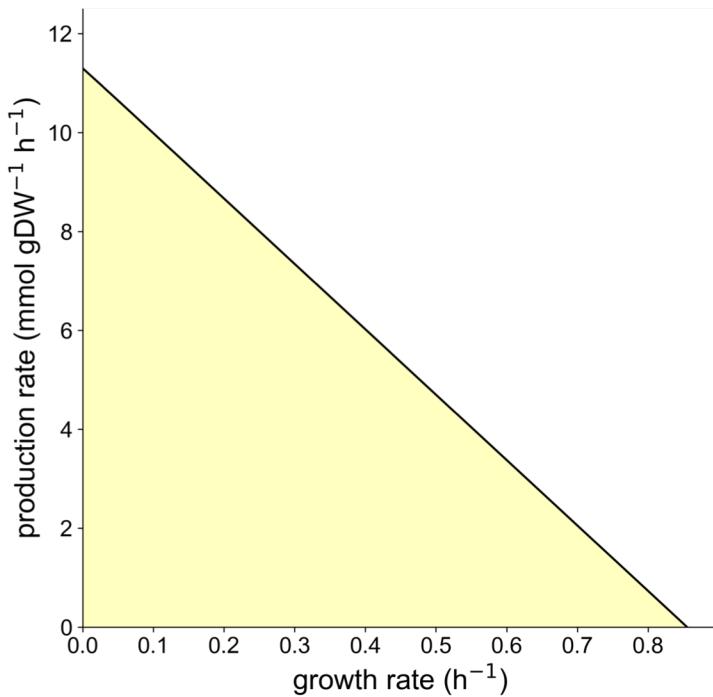


# 2-Oxobutanoate

Glucose

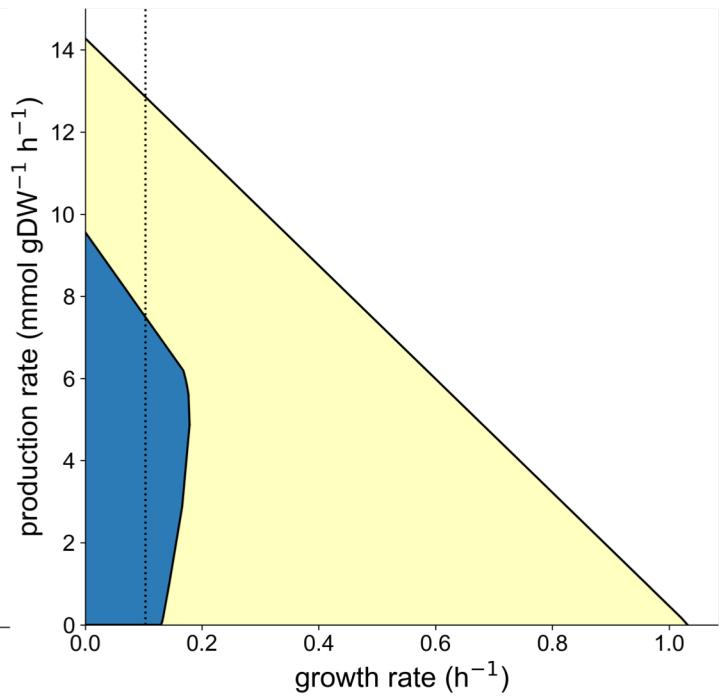
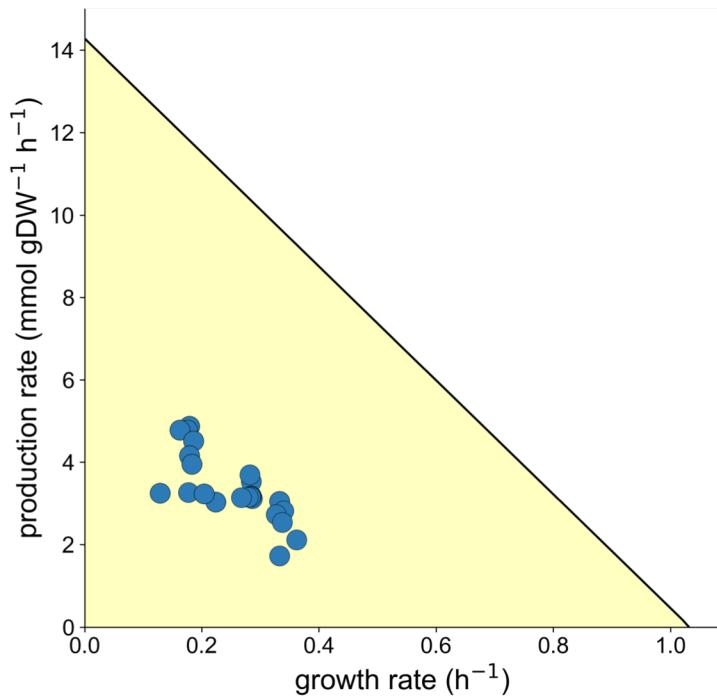


Xylose

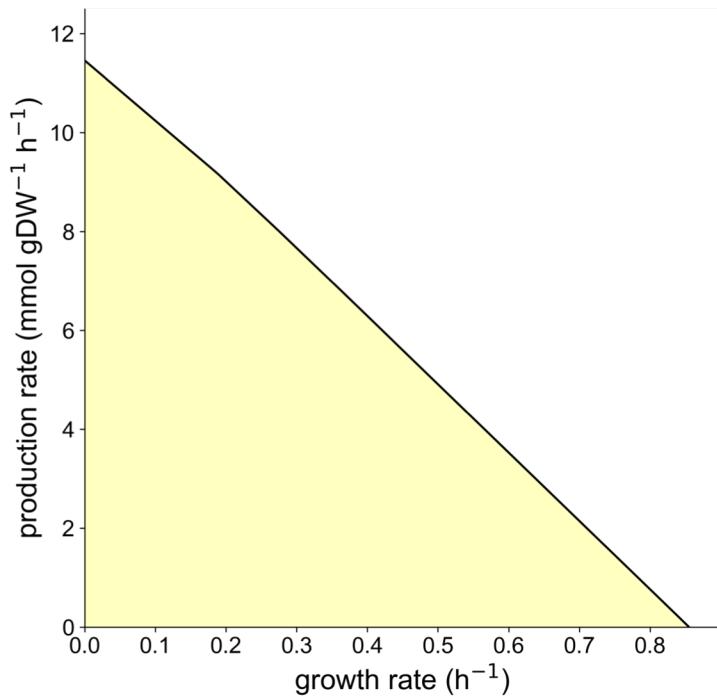


# 2,4-Dihydroxybutanoate

Glucose

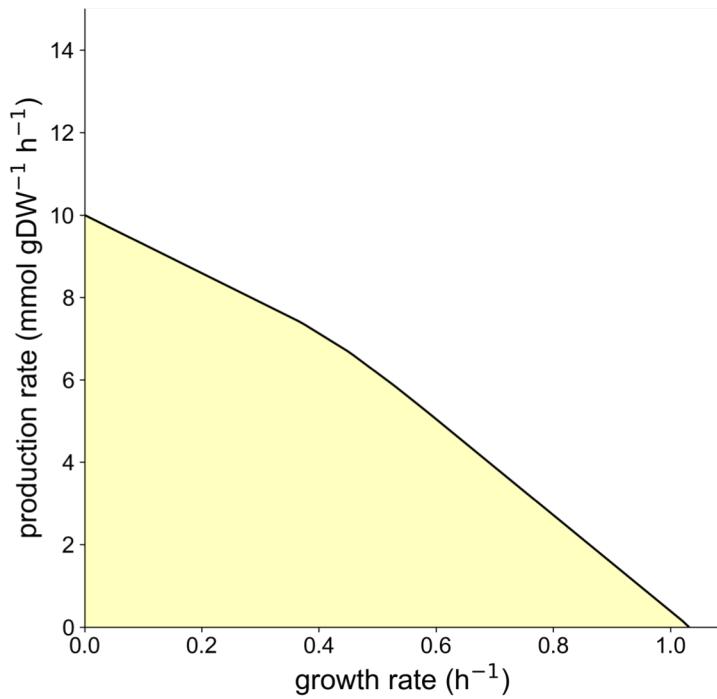


Xylose

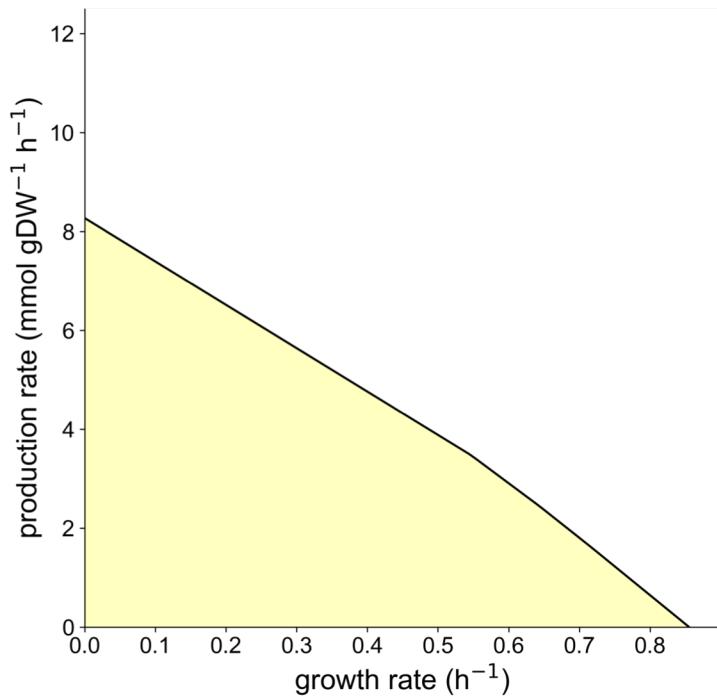


# 3-Hydroxybutanoate

Glucose

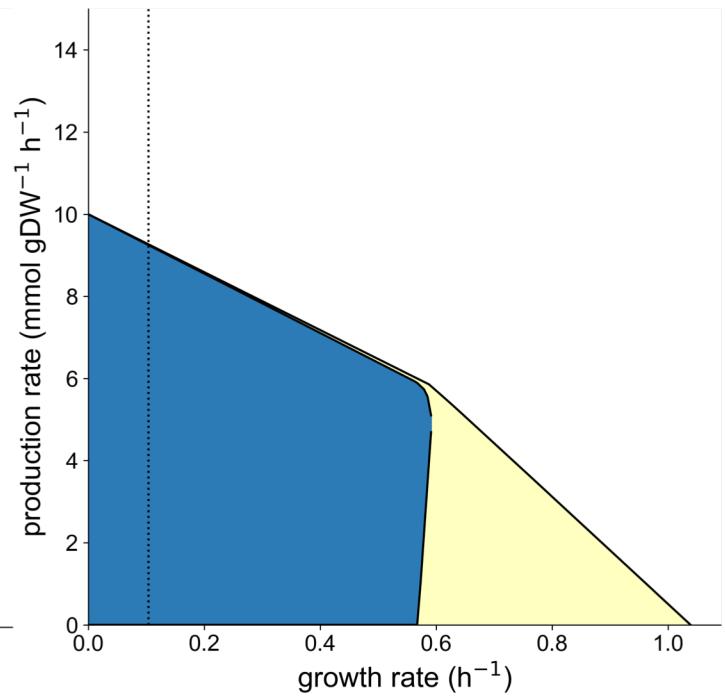
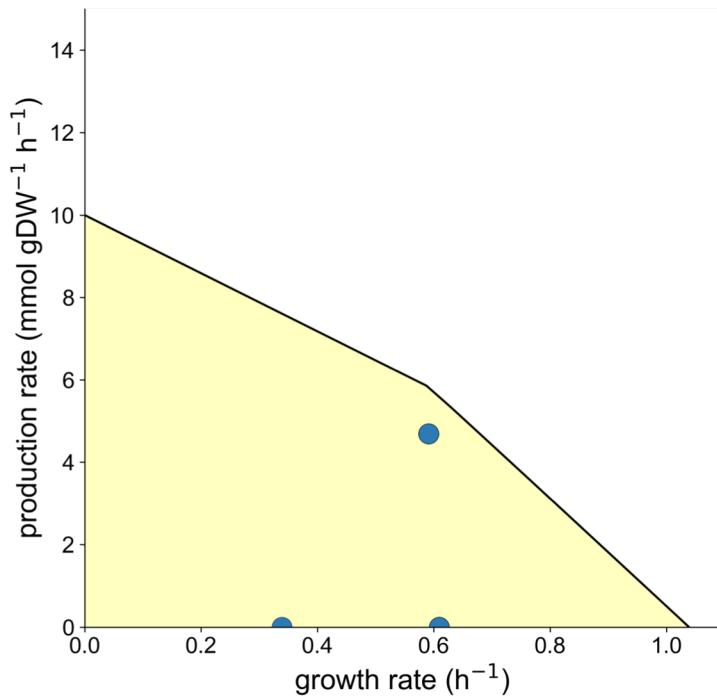


Xylose

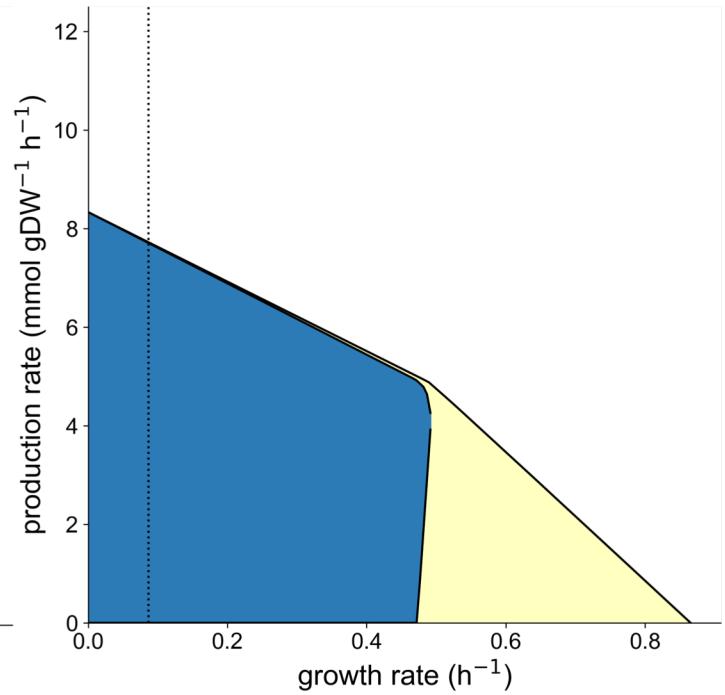
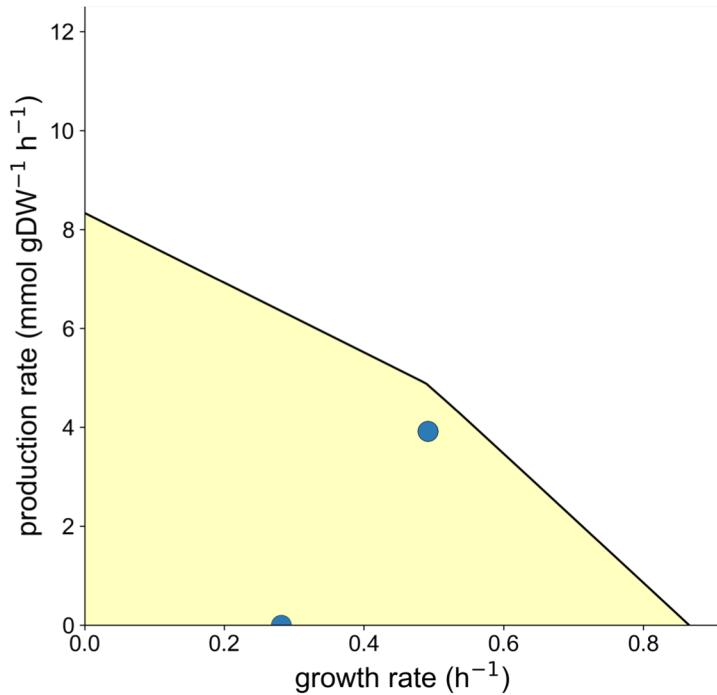


# 4-Hydroxybutanoate

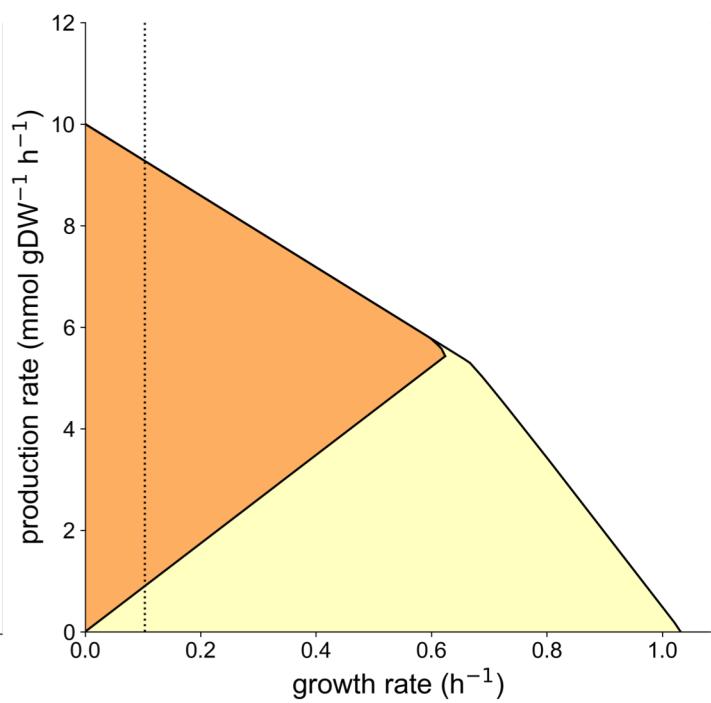
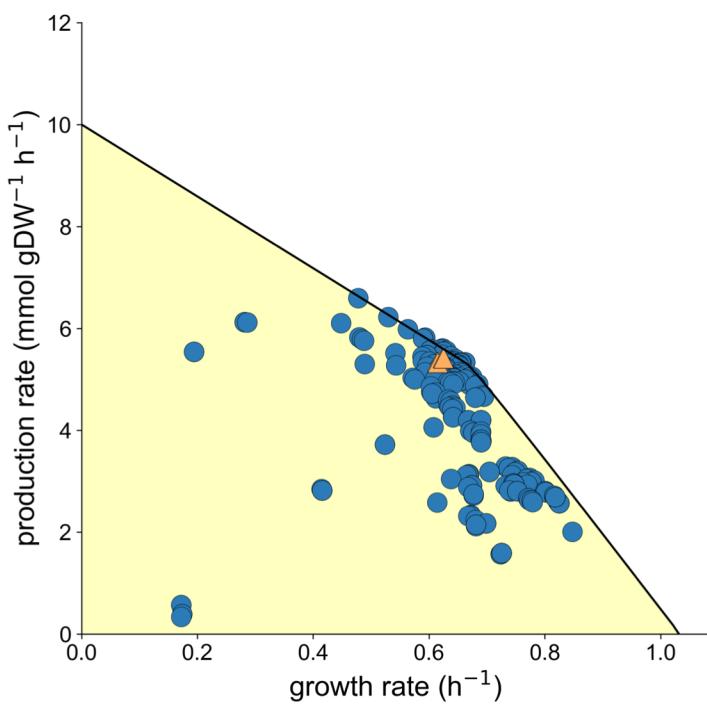
Glucose



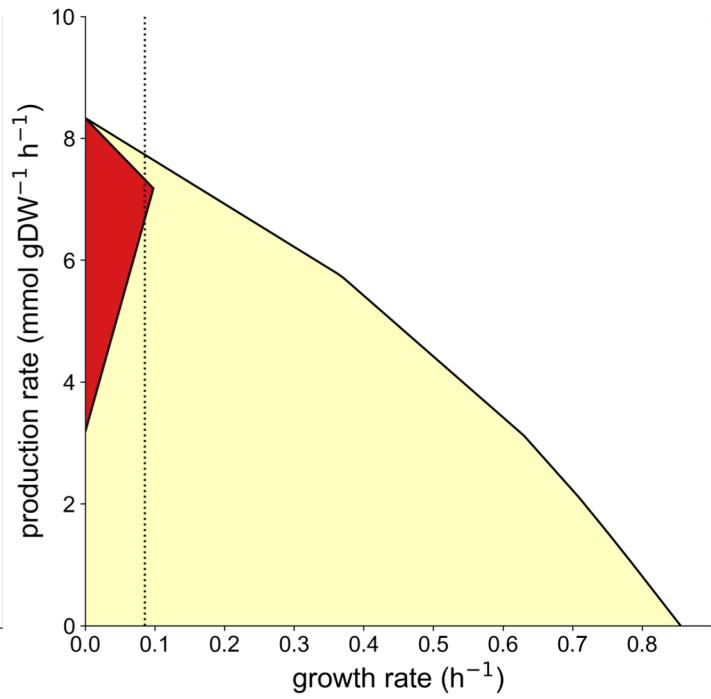
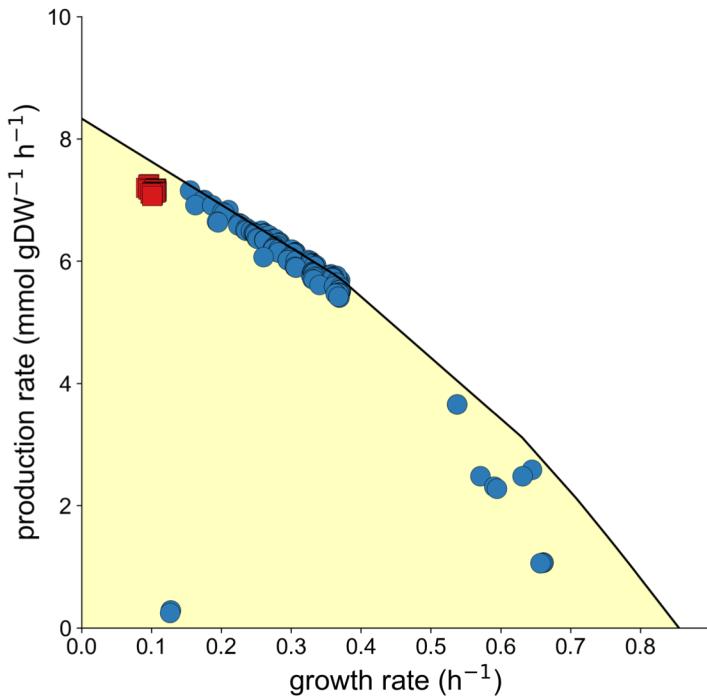
Xylose



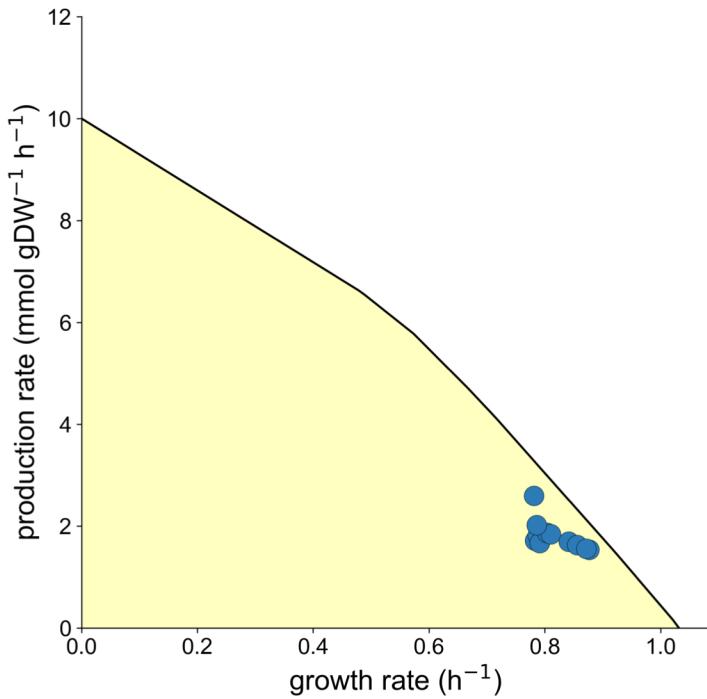
Glucose



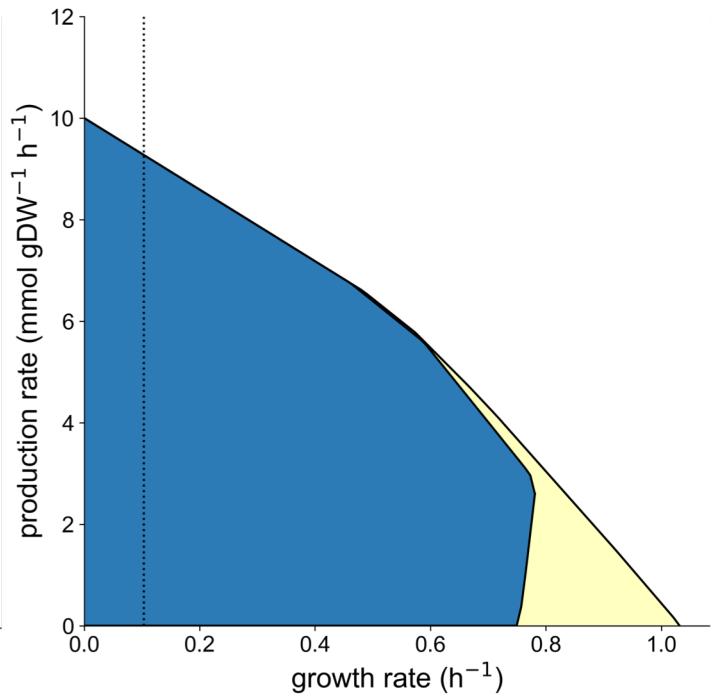
Xylose



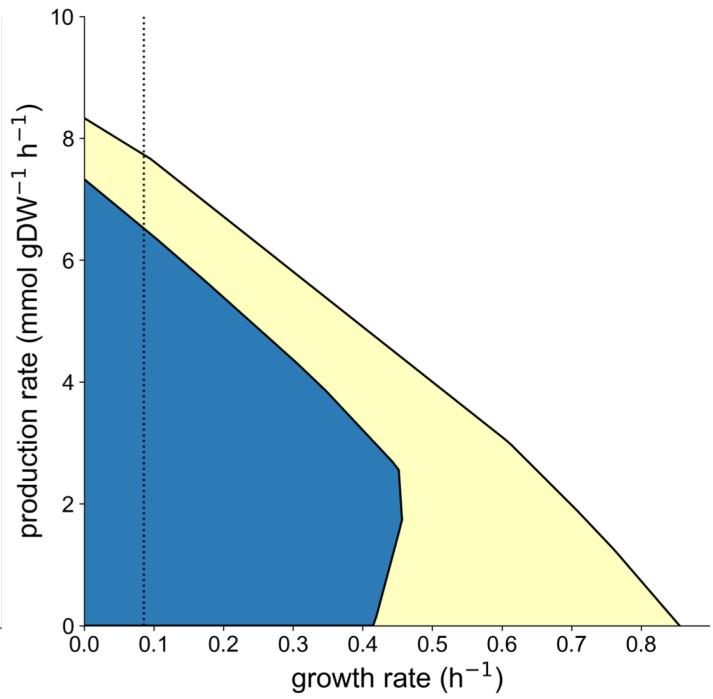
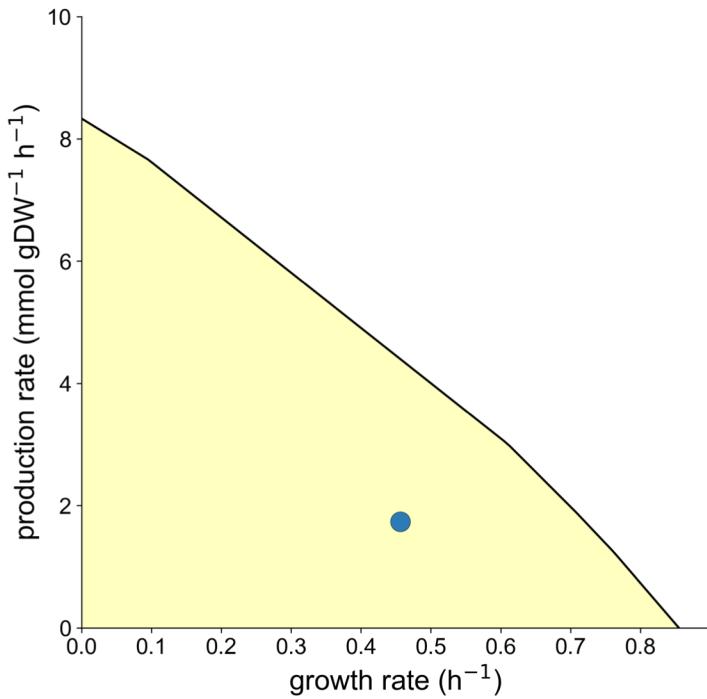
## Glucose



## Itaconate

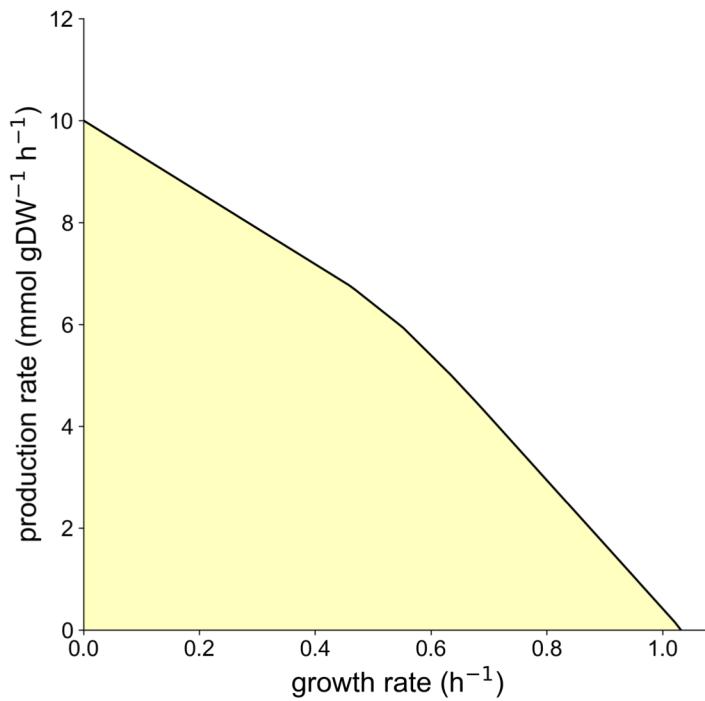


## Xylose

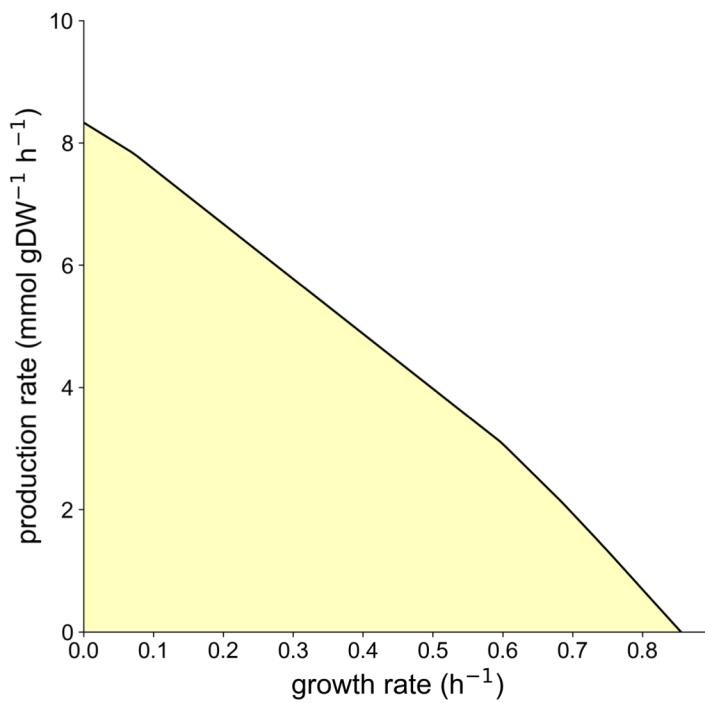


# Citramalate

Glucose

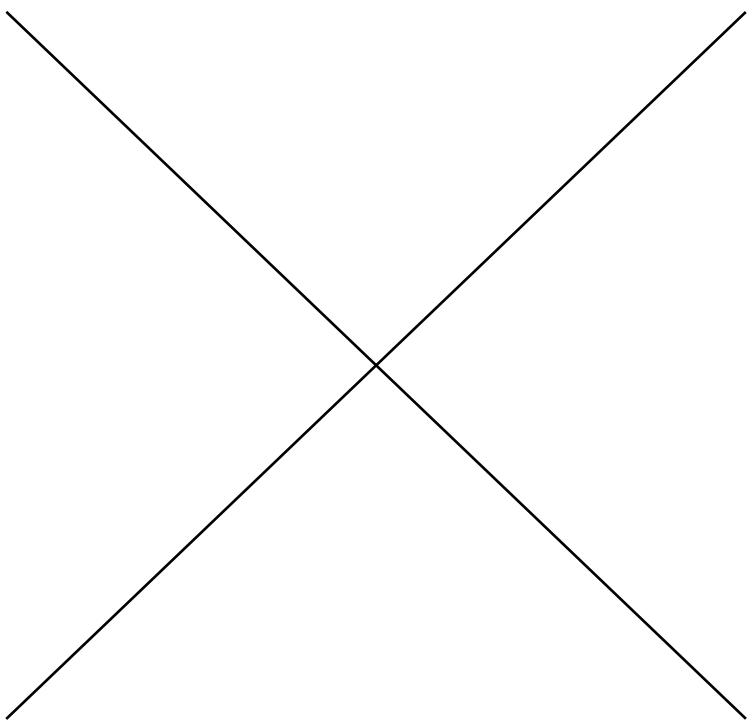


Xylose

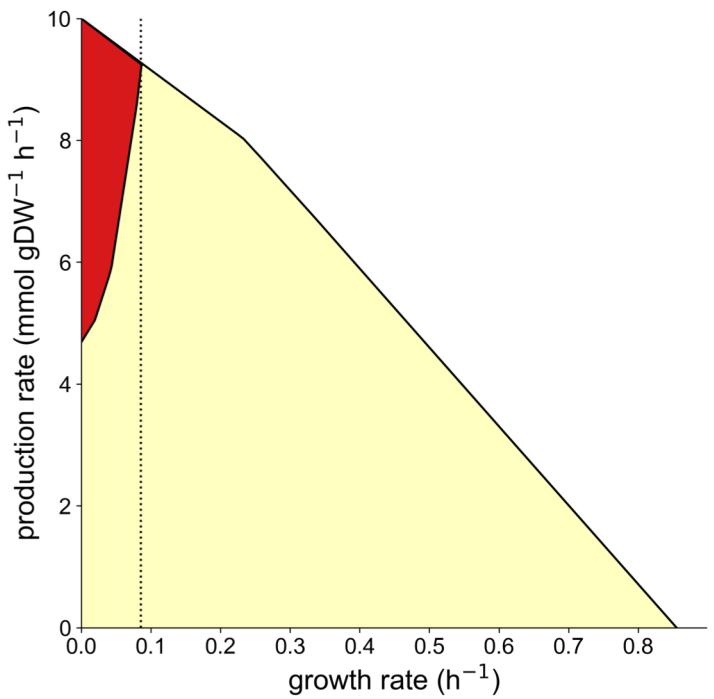
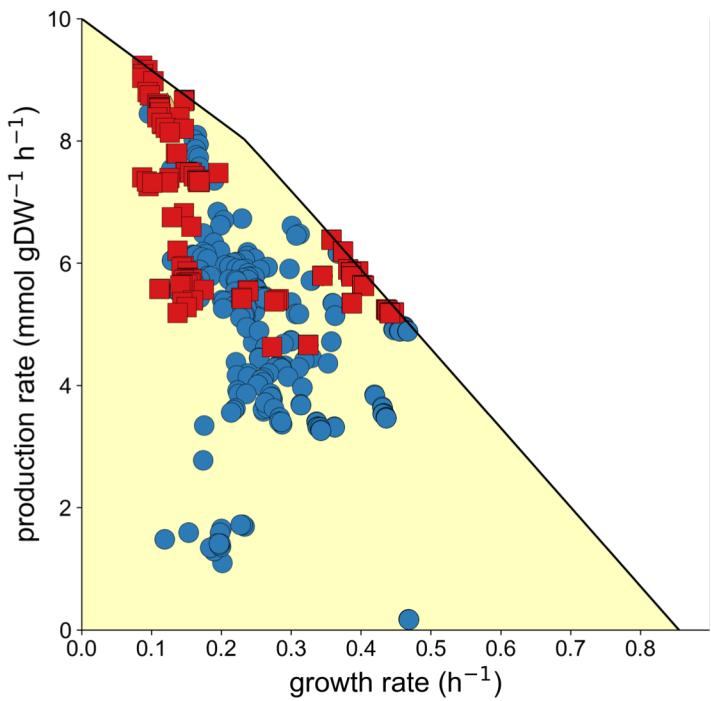


# D-Xylose

Glucose

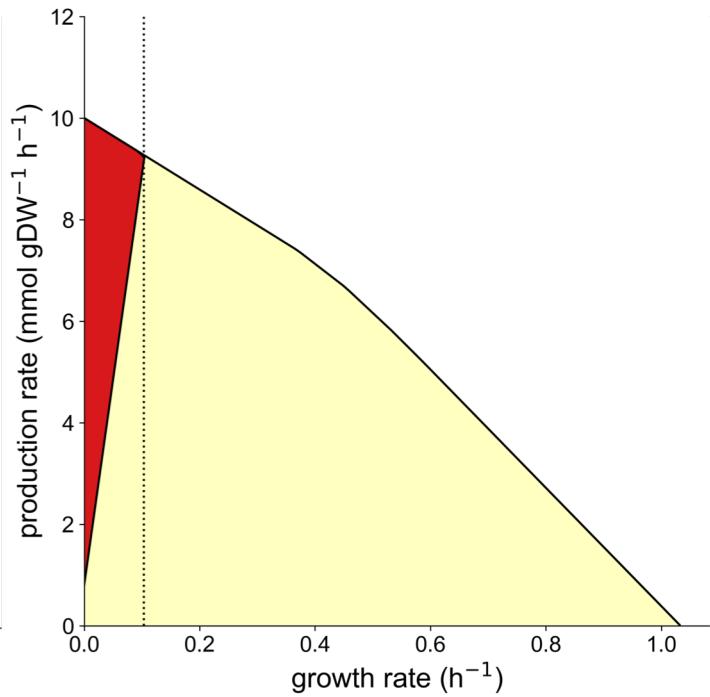
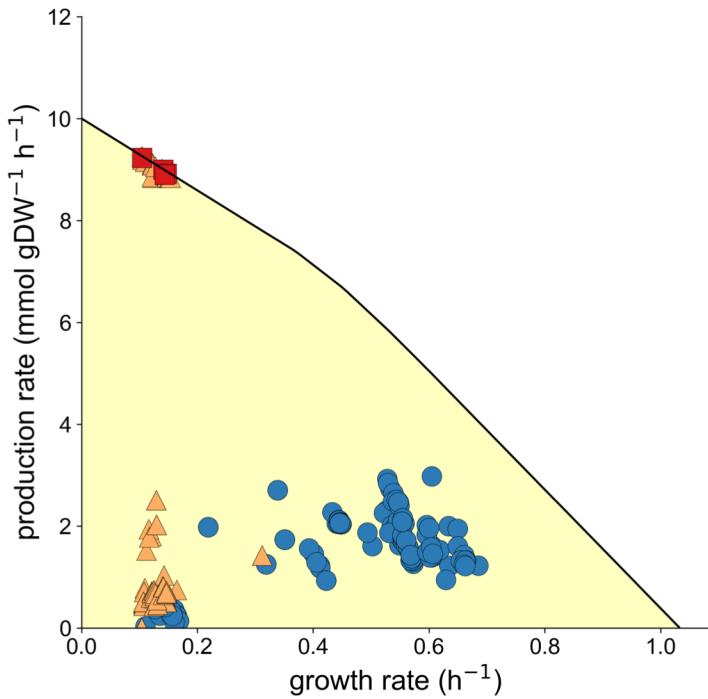


Xylose

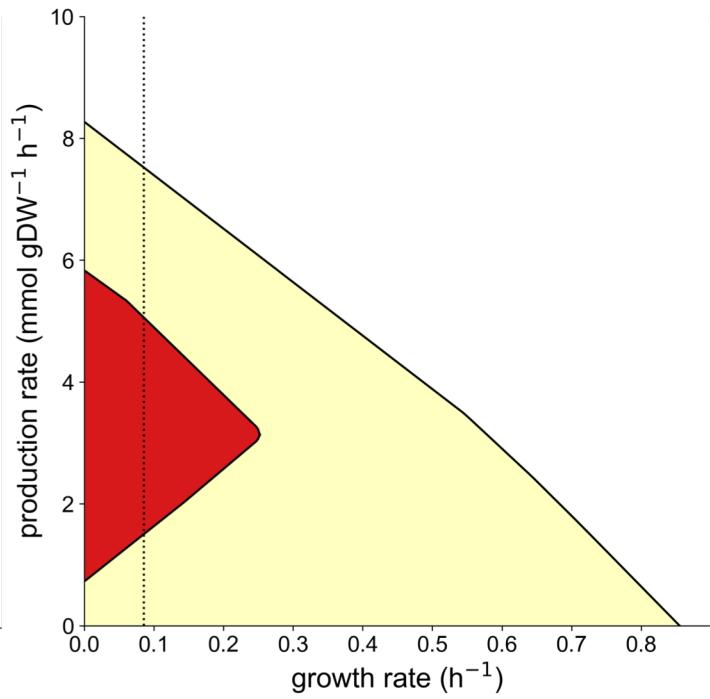
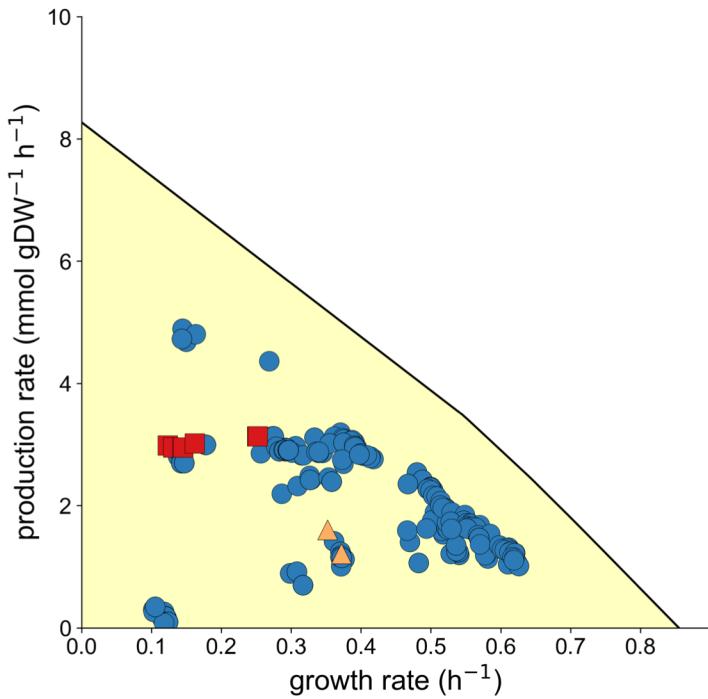


# 2-Oxopentanoate

Glucose

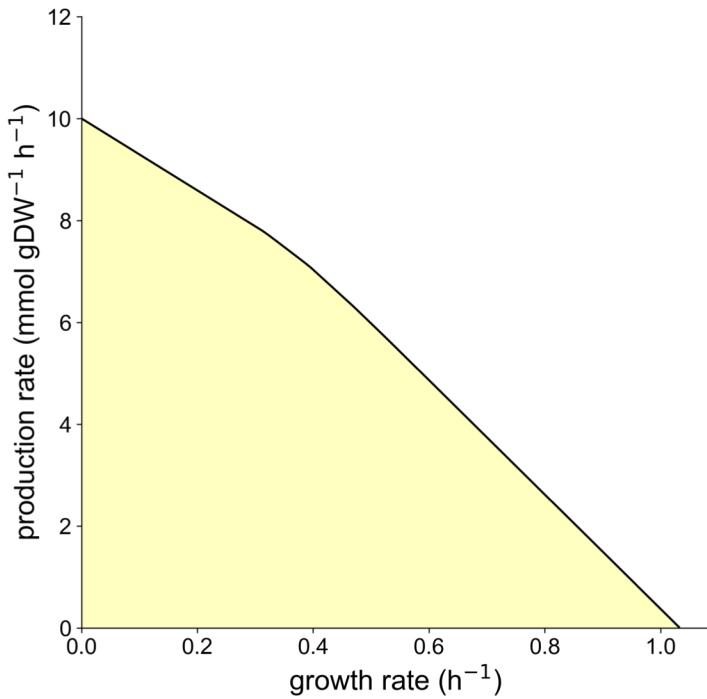


Xylose

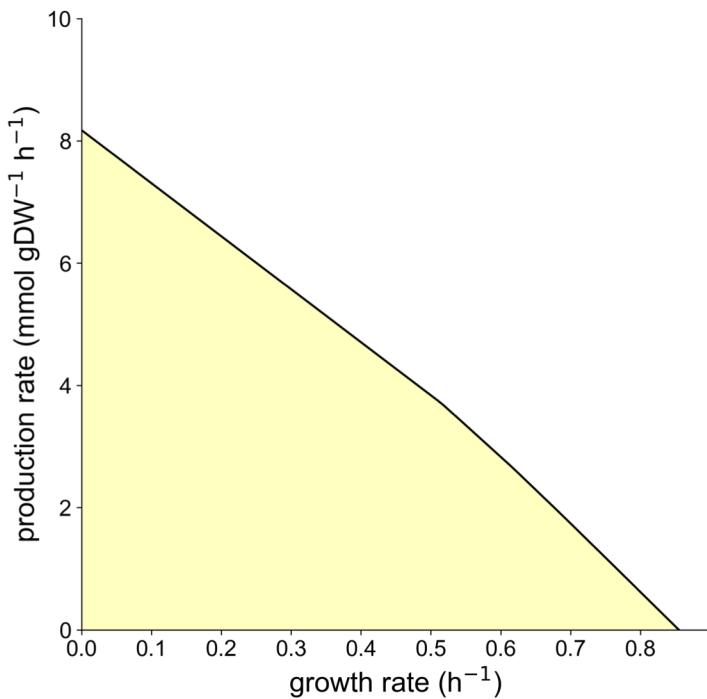


## 4-Oxopentanoate

Glucose

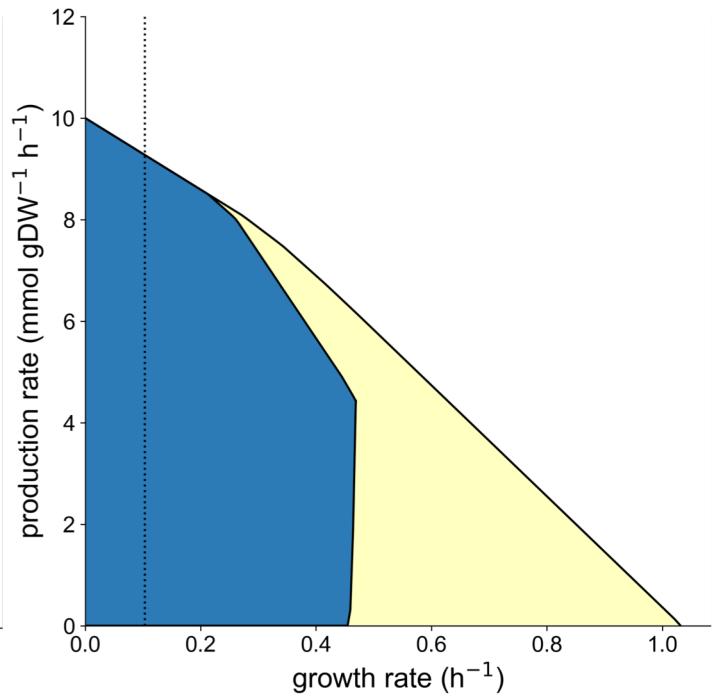
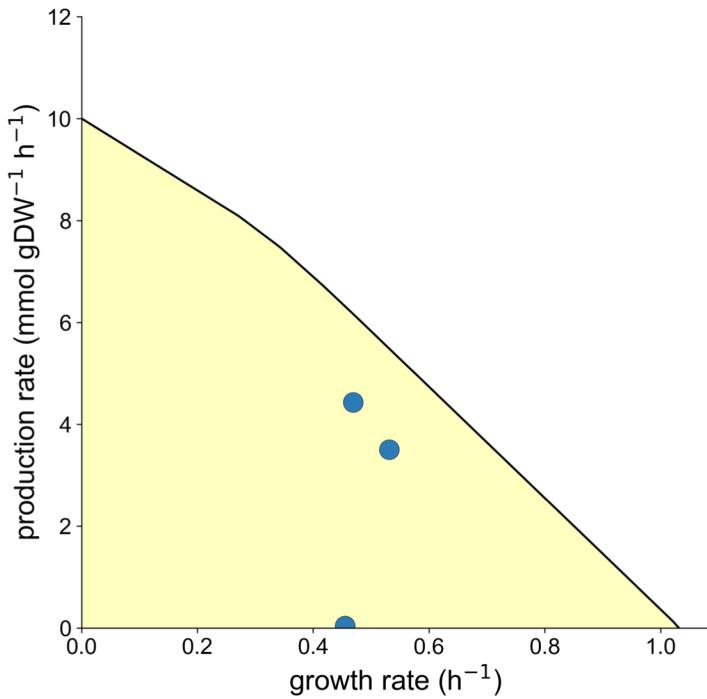


Xylose

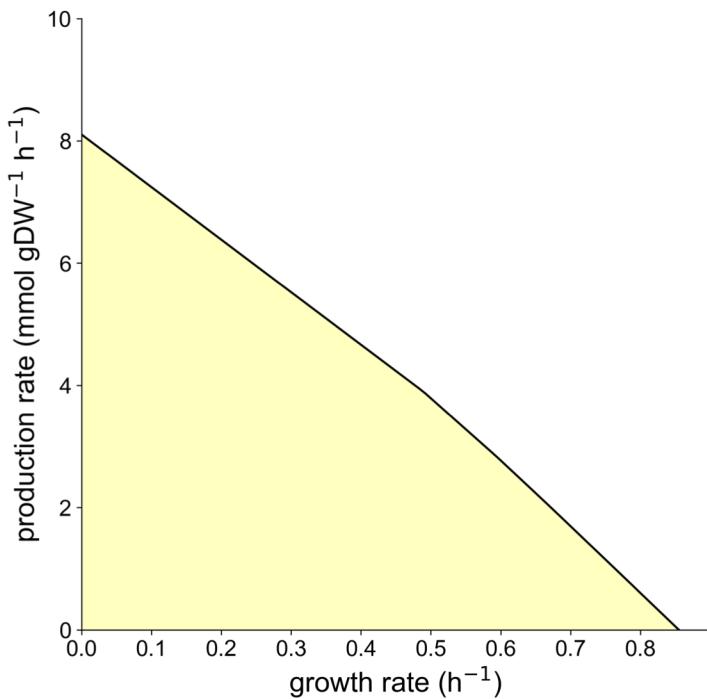


# 3-Methyl-2-oxobutanoate

Glucose

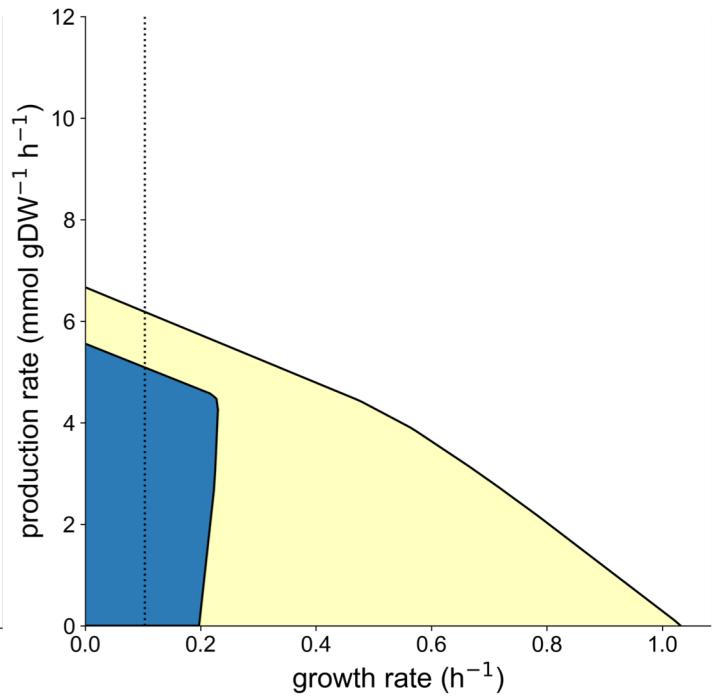
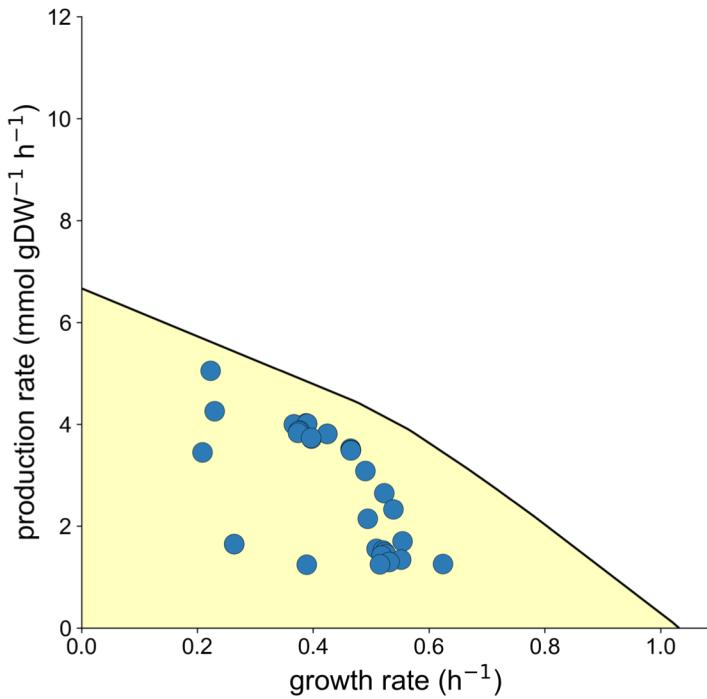


Xylose

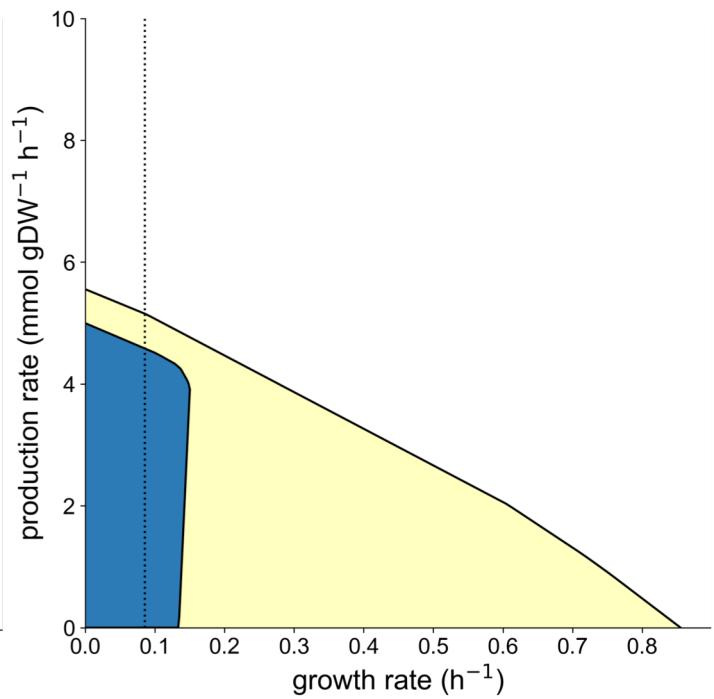
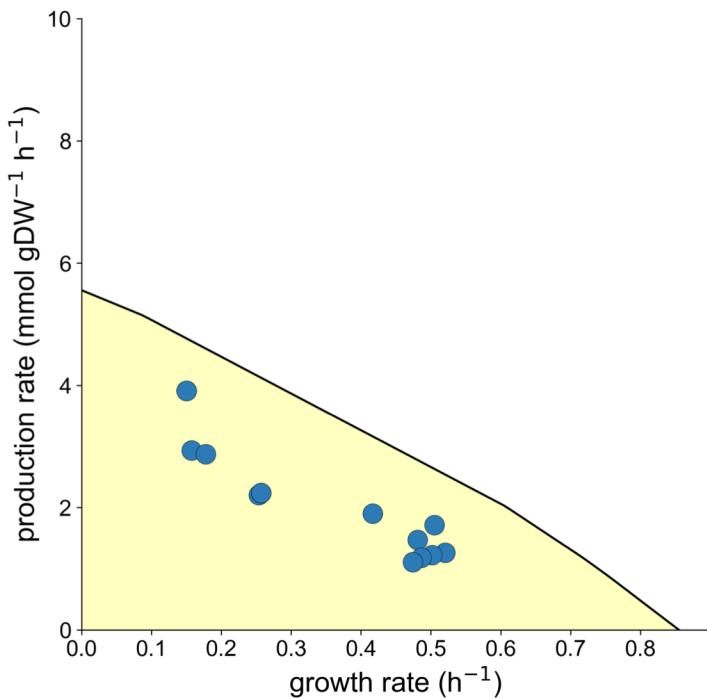


# 3-Hydroxy-3-methylbutanoate

Glucose

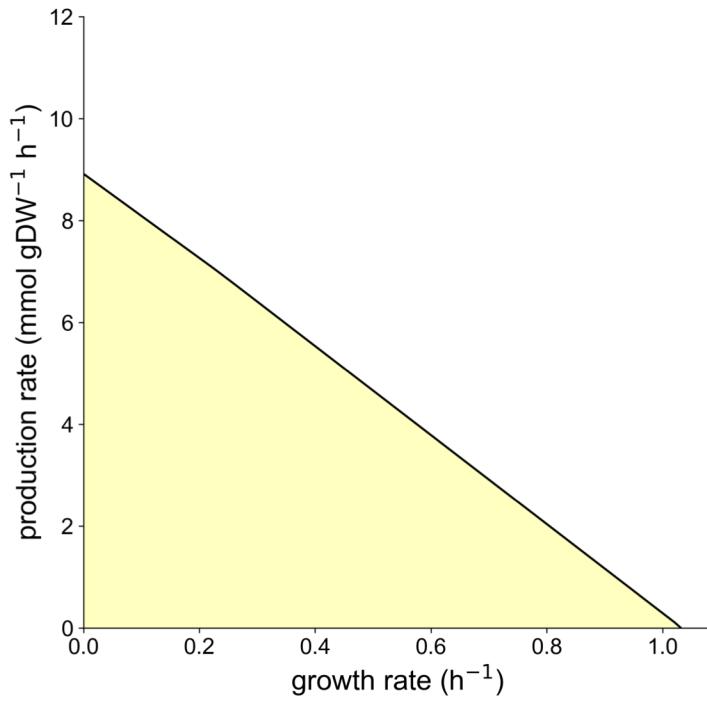


Xylose

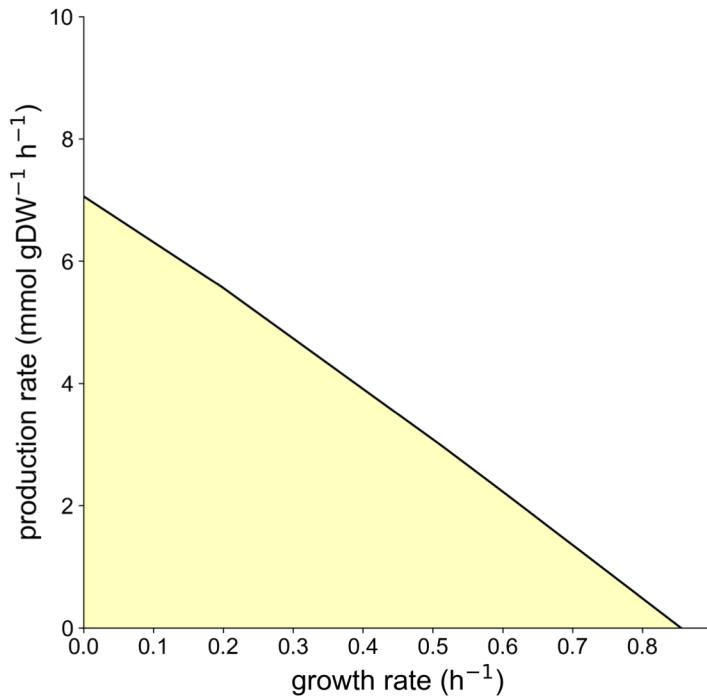


# 3-Hydroxypentanoate

Glucose

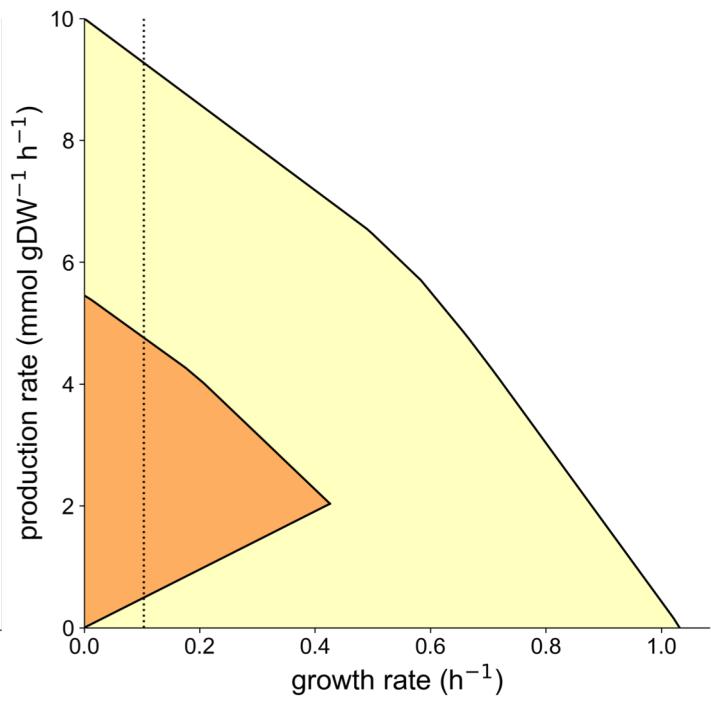
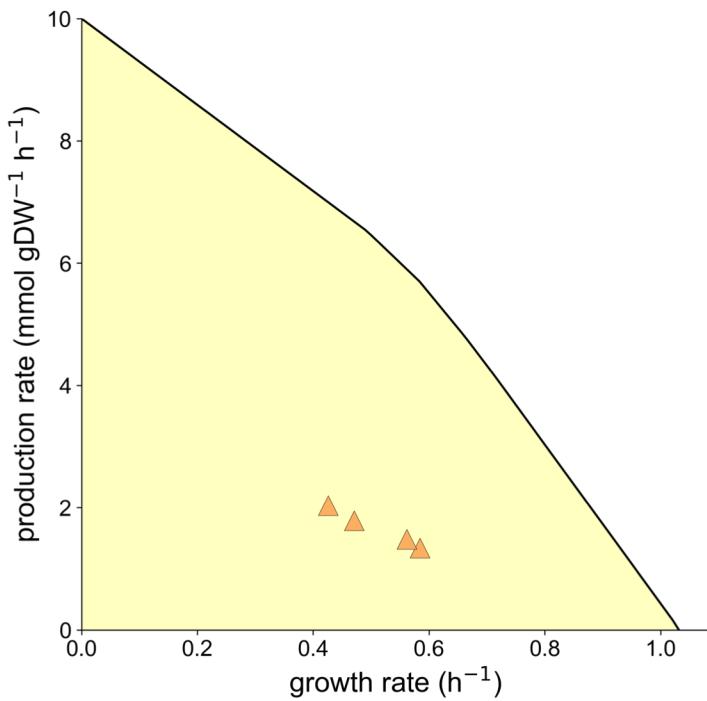


Xylose

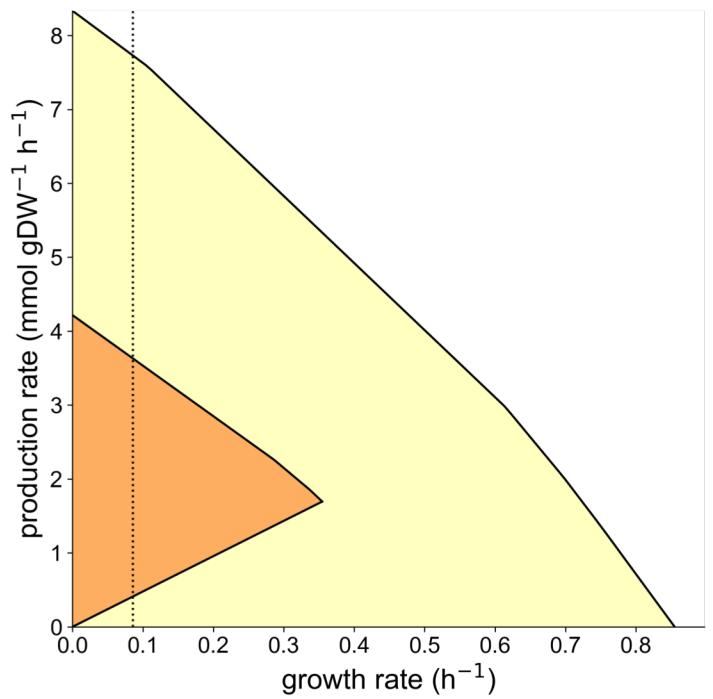
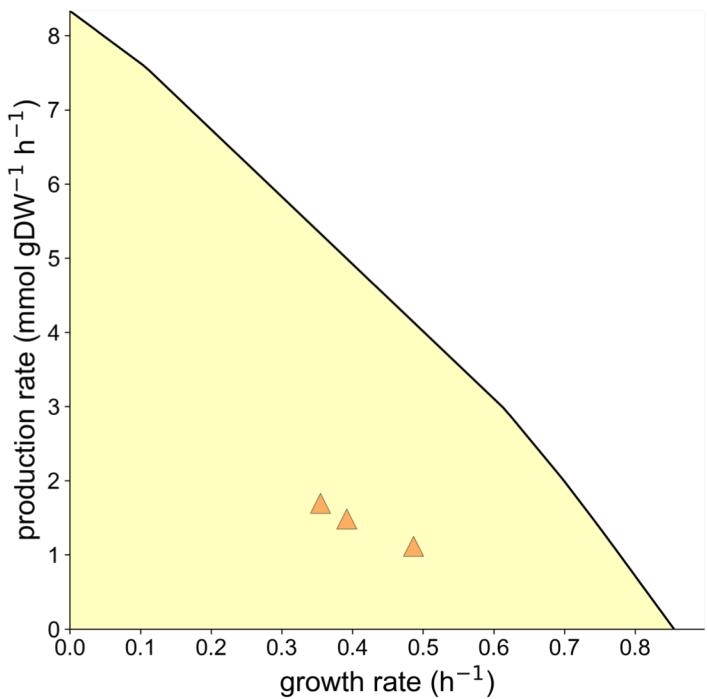


# Citrate

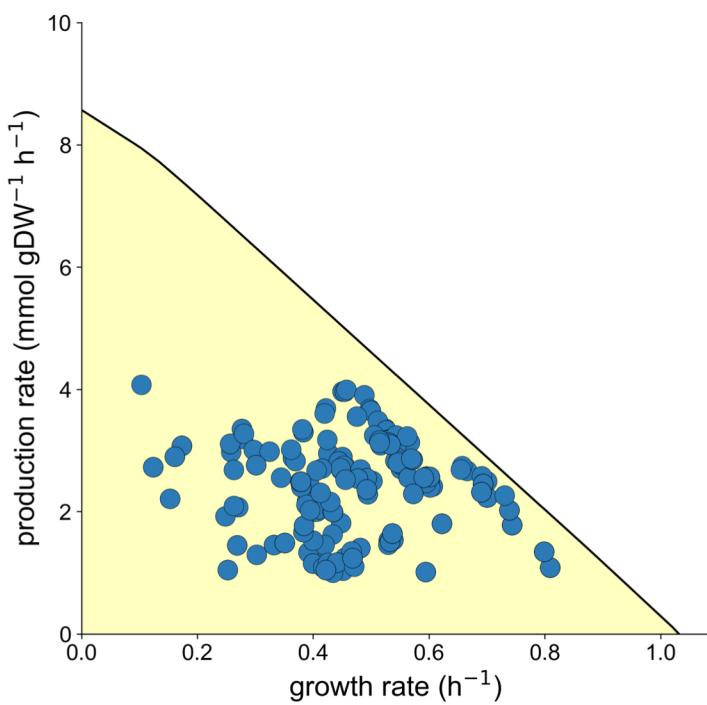
## Glucose



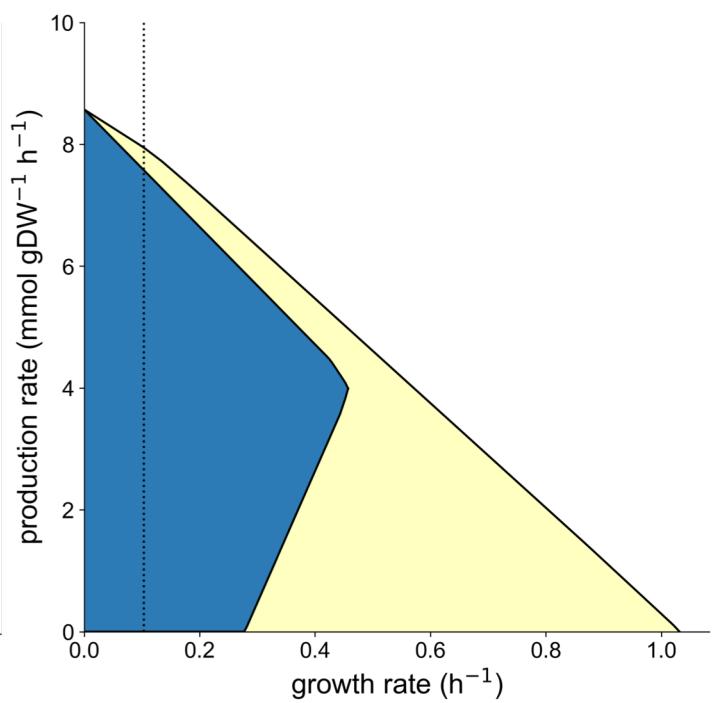
## Xylose



## Glucose



## Muconate



## Xylose

