

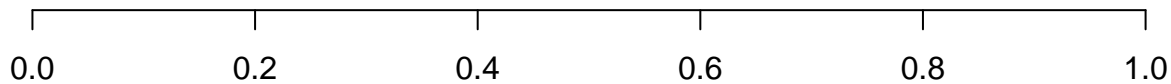
MS measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

Cit



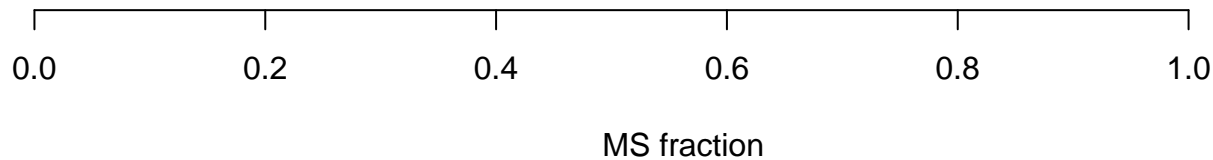
meas

sim

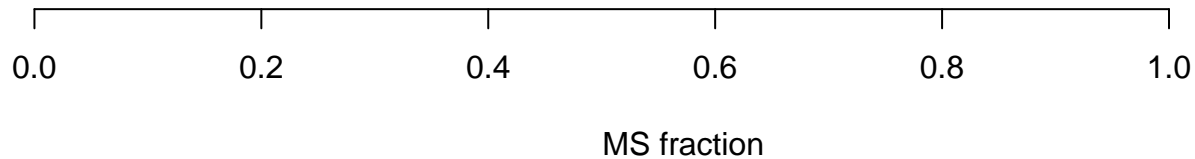


MS fraction

# Fru6P



# FruBP

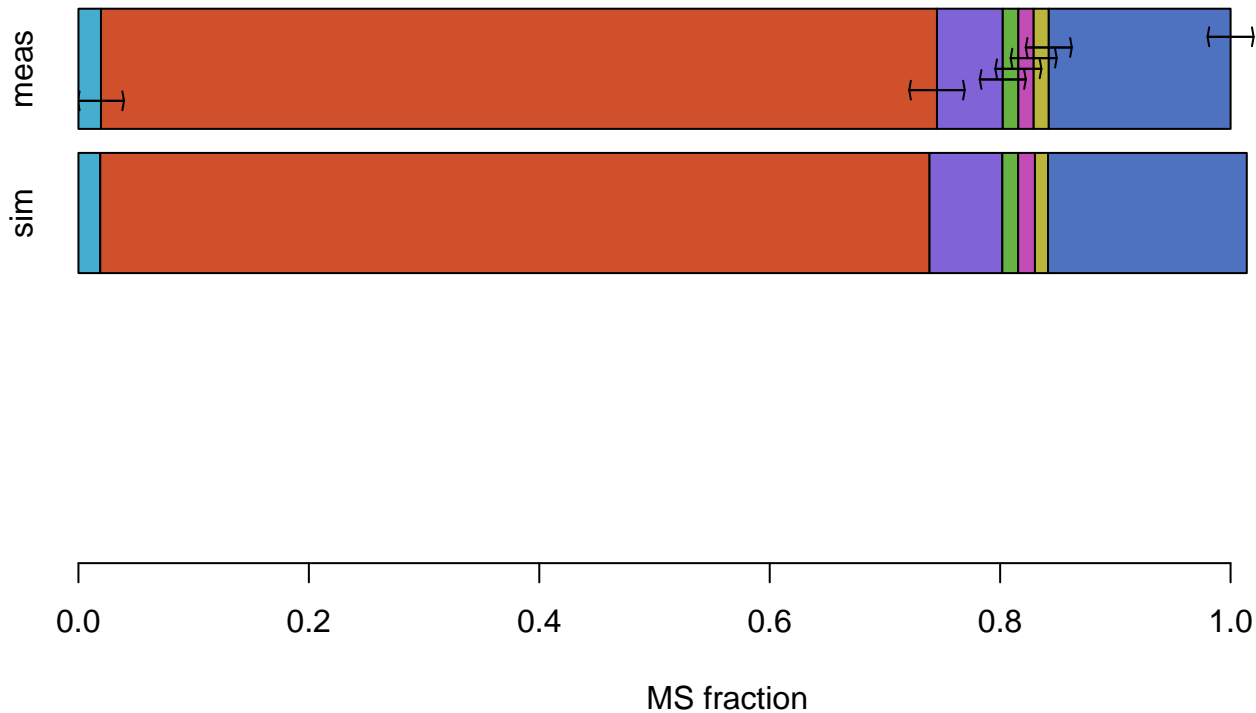


# Glc6P

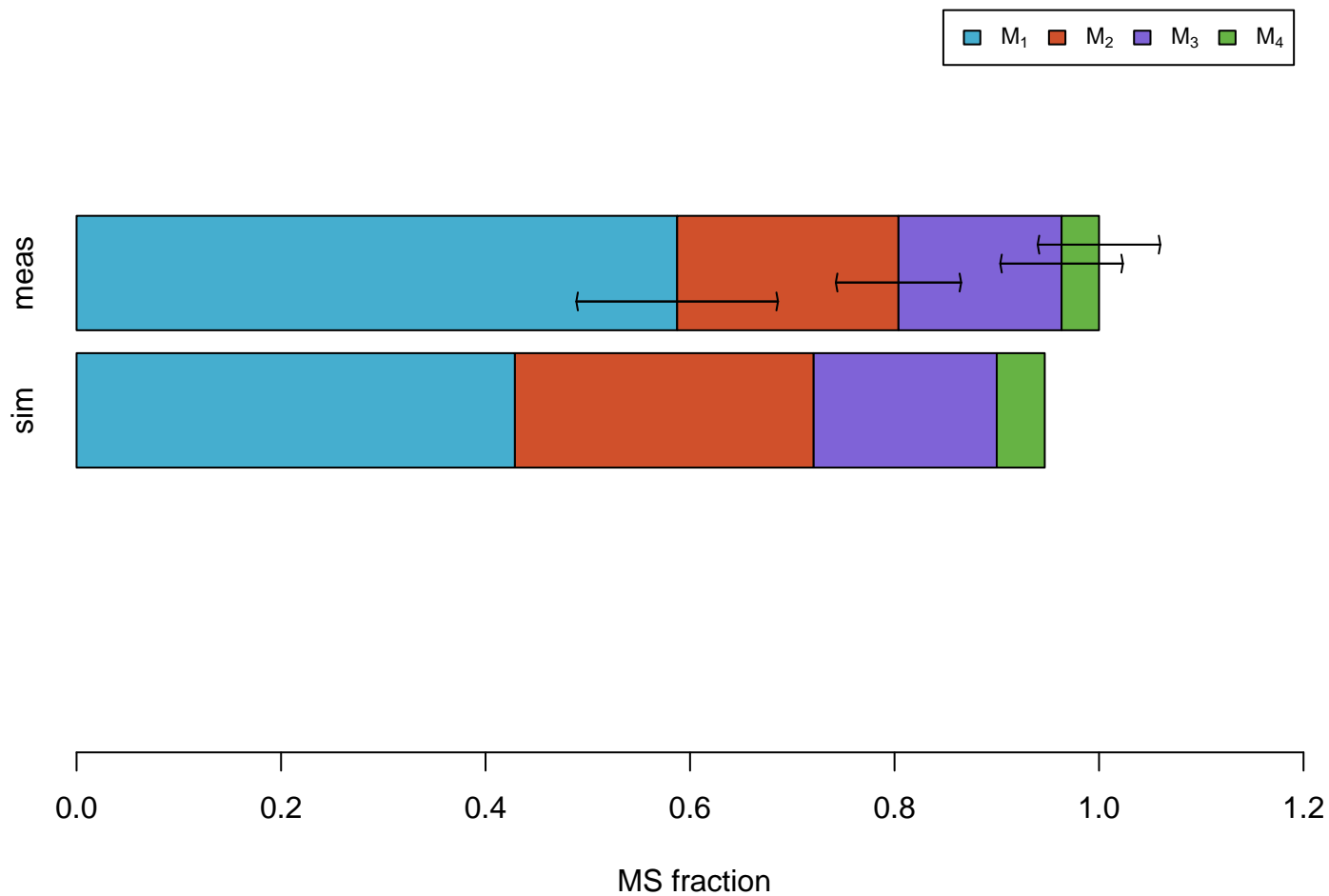


MS fraction

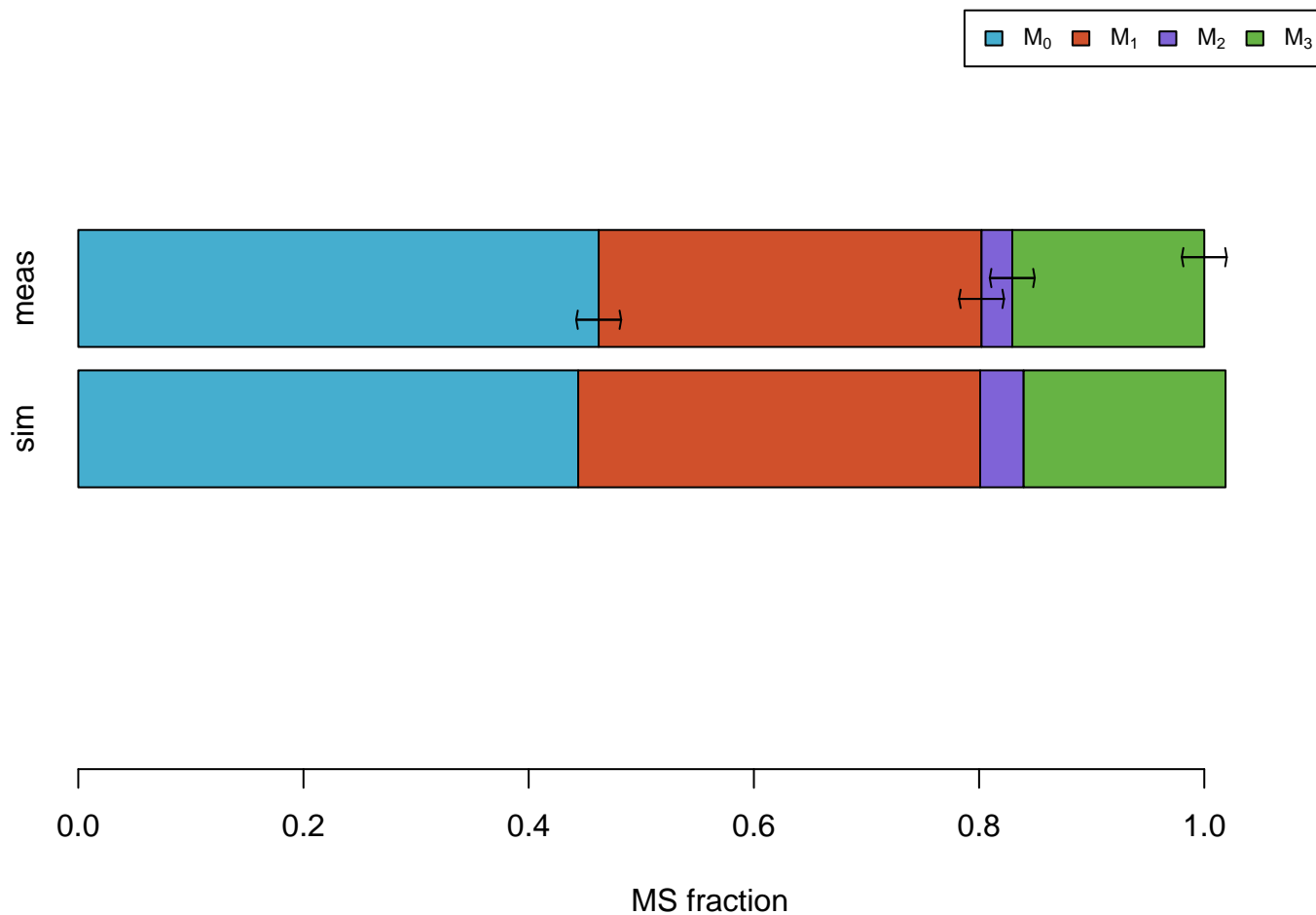
# Gnt6P



# Mal

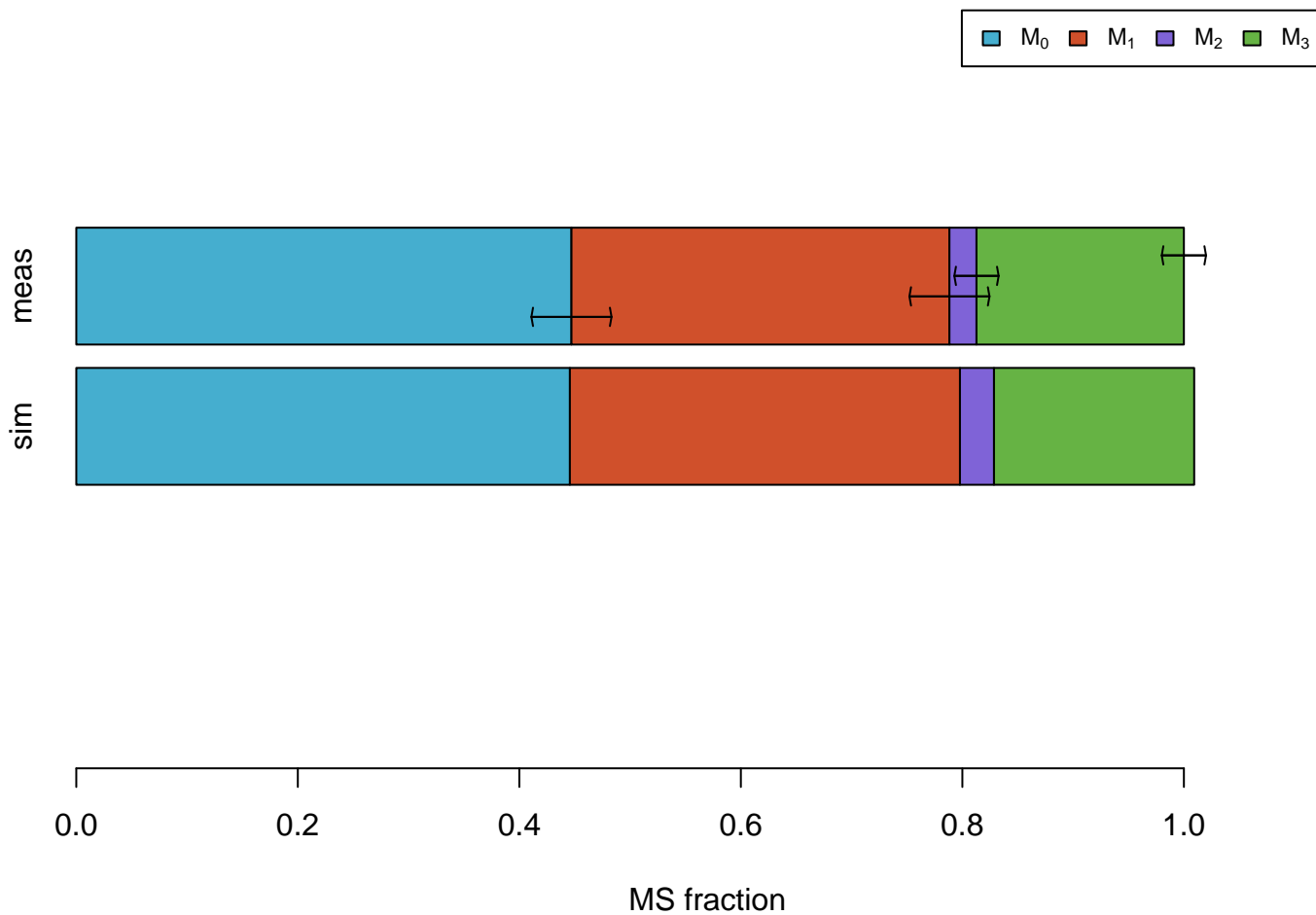


# PEP

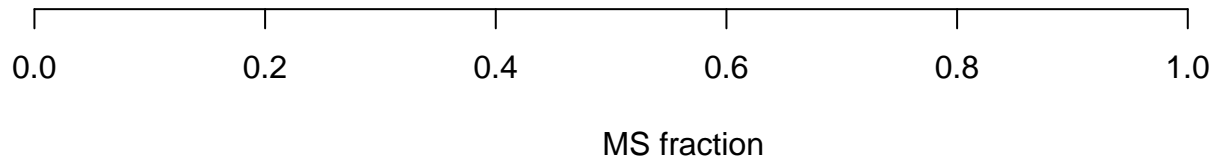
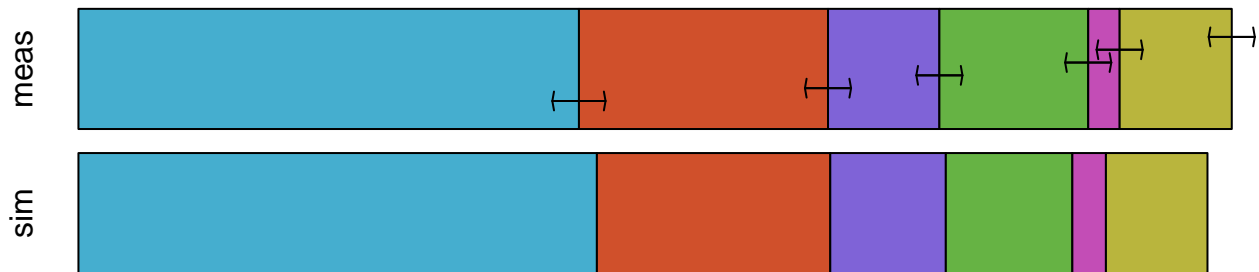
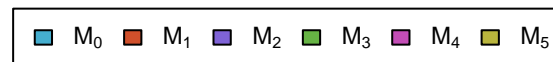




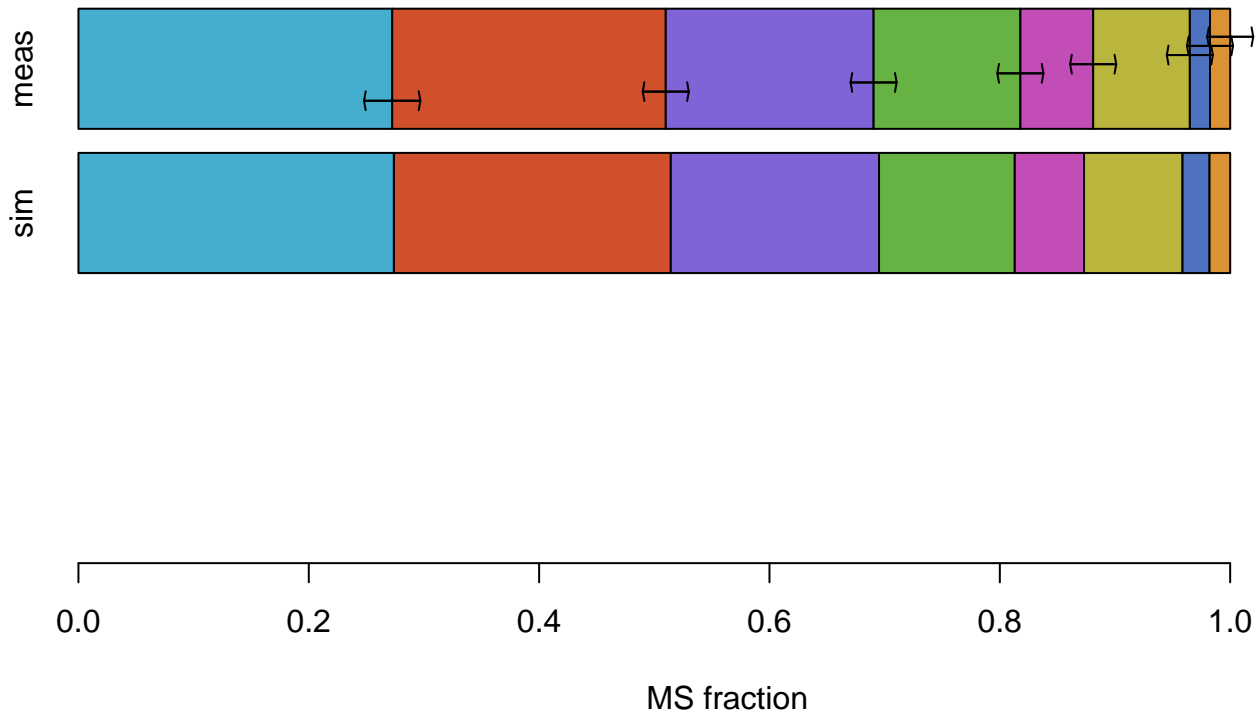
# PGA



# Rib5P+Xul5P+Rub5P



# Sed7P



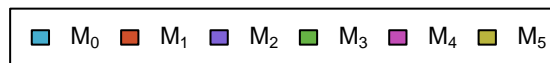
MS simulations

# AcCoA



MS fraction

# AKG



MS fraction

CO2



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

E2



sim



MS fraction



E3



MS fraction

# Ery4P



MS fraction

# GA3P



MS fraction

Glc



sim



0.0

0.2

0.4

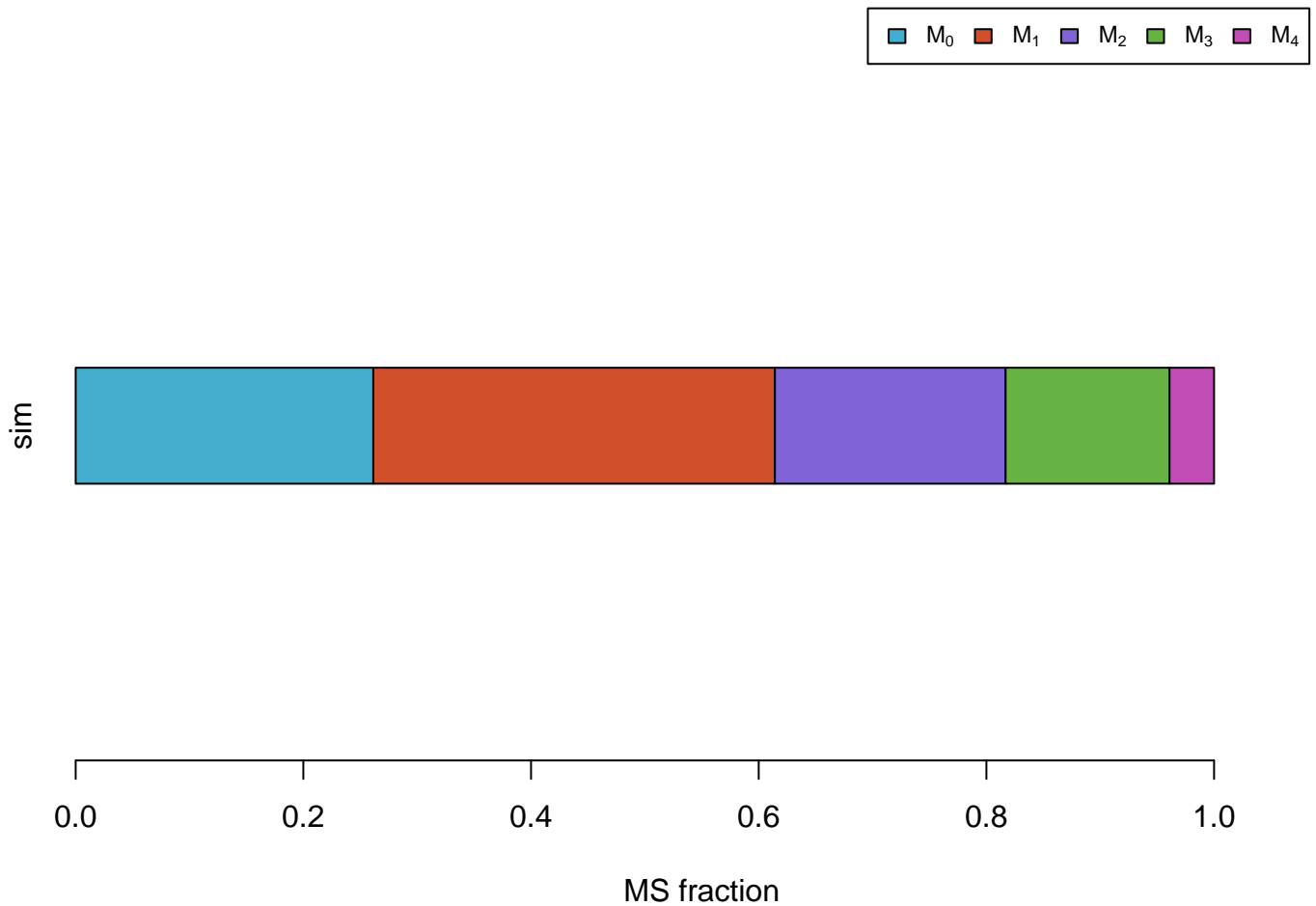
0.6

0.8

1.0

MS fraction

# OAA



# Pyr

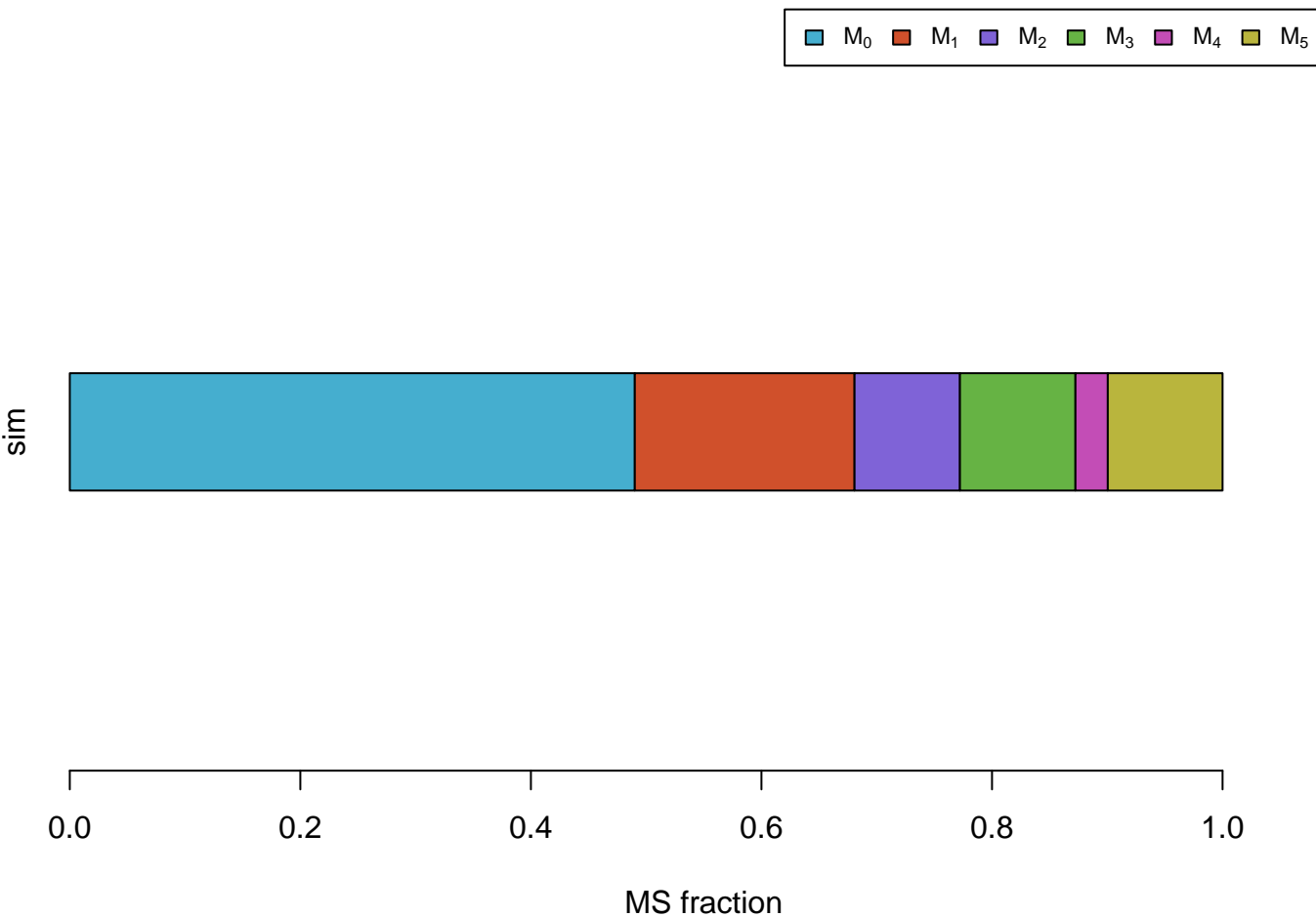


sim

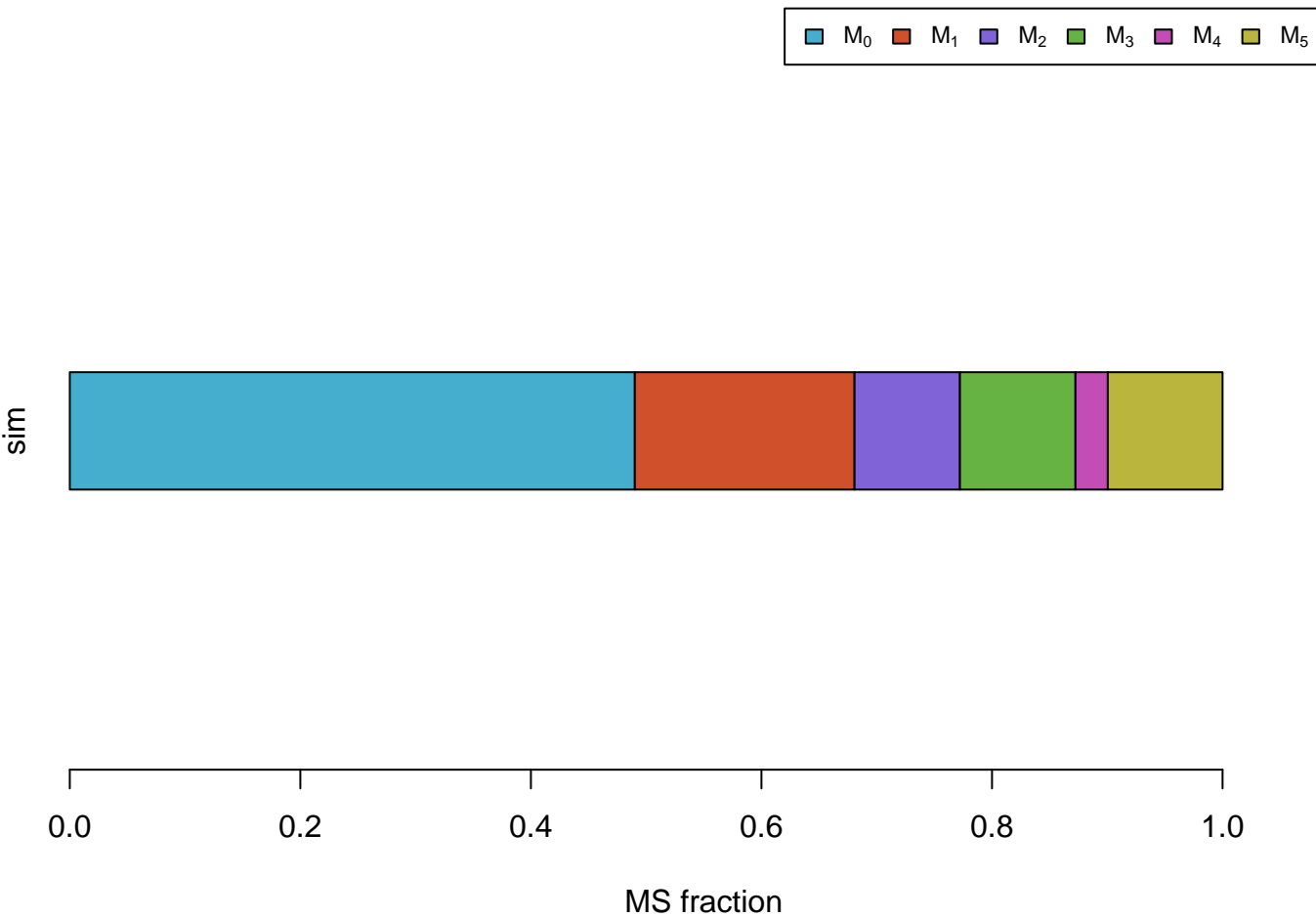


MS fraction

# Rib5P



# Rub5P

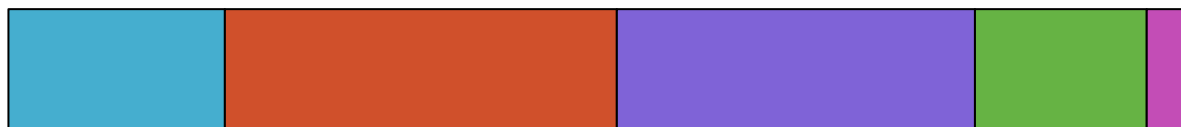




# Suc

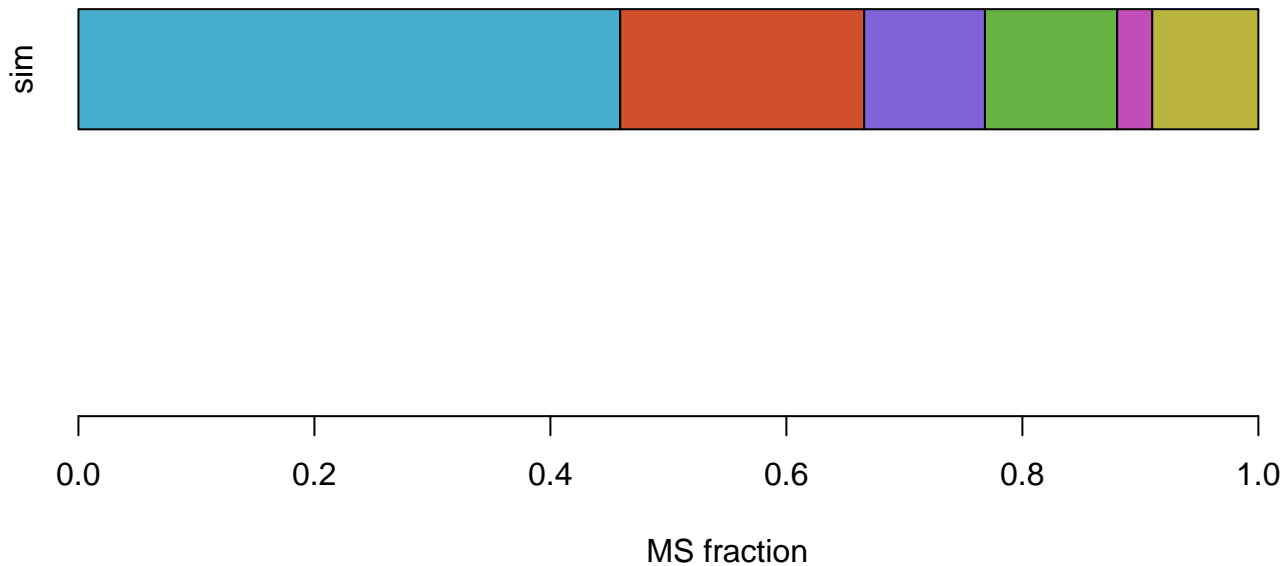
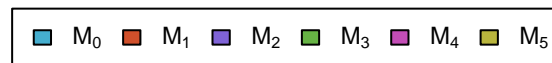


sim



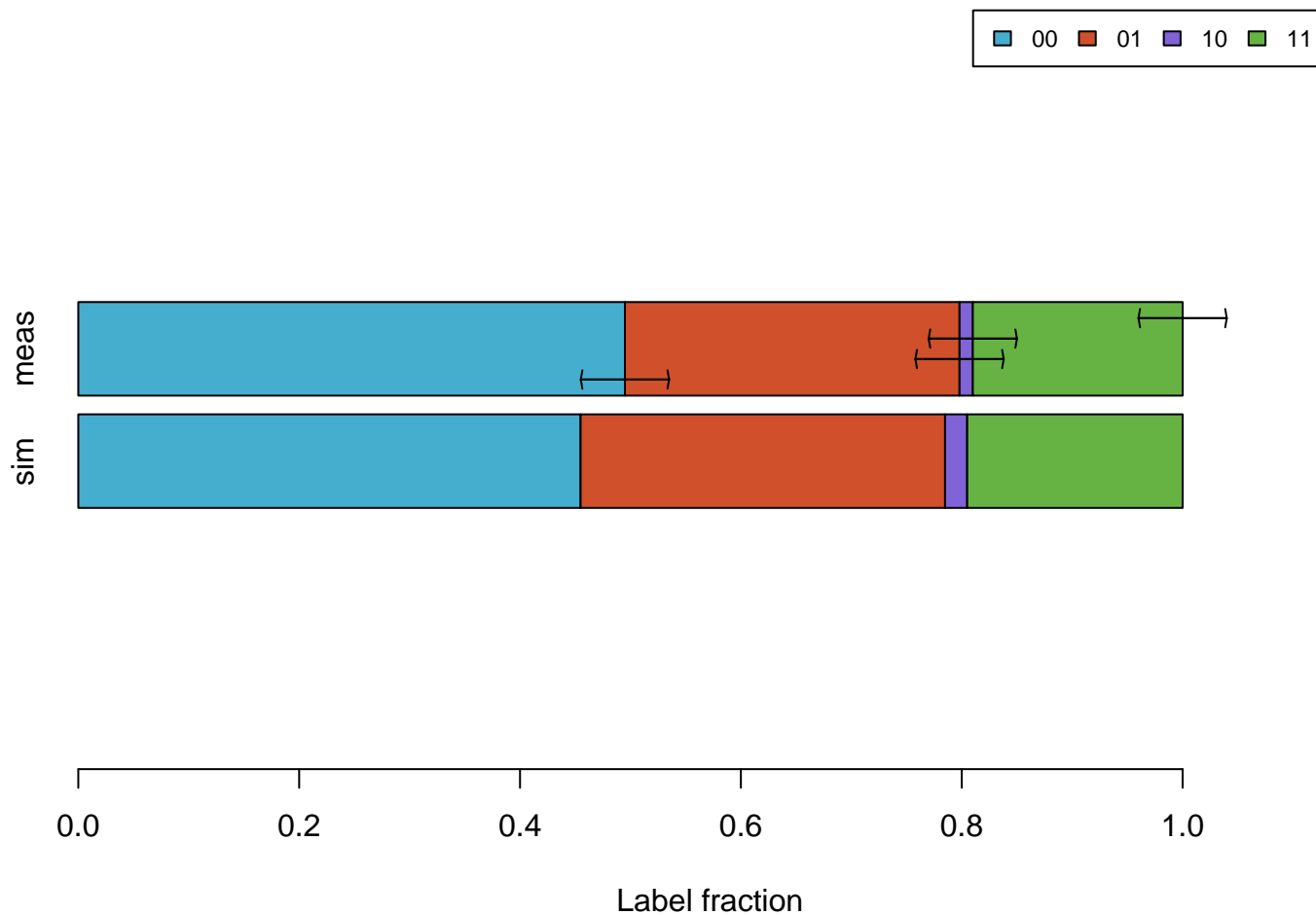
MS fraction

# XuI5P



Label measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

# AcCoA

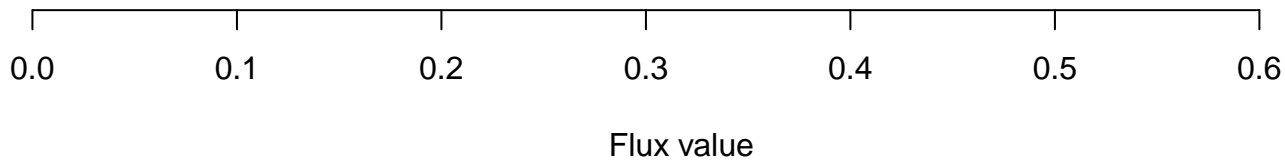


Flux measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

out\_Ac

meas

sim

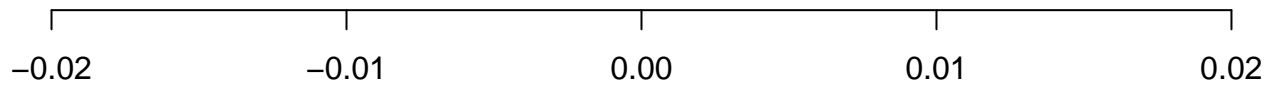


Metabolite pool measurements  
(error bars= $\pm 2 \cdot \text{dev}$ )

Cit

meas

sim



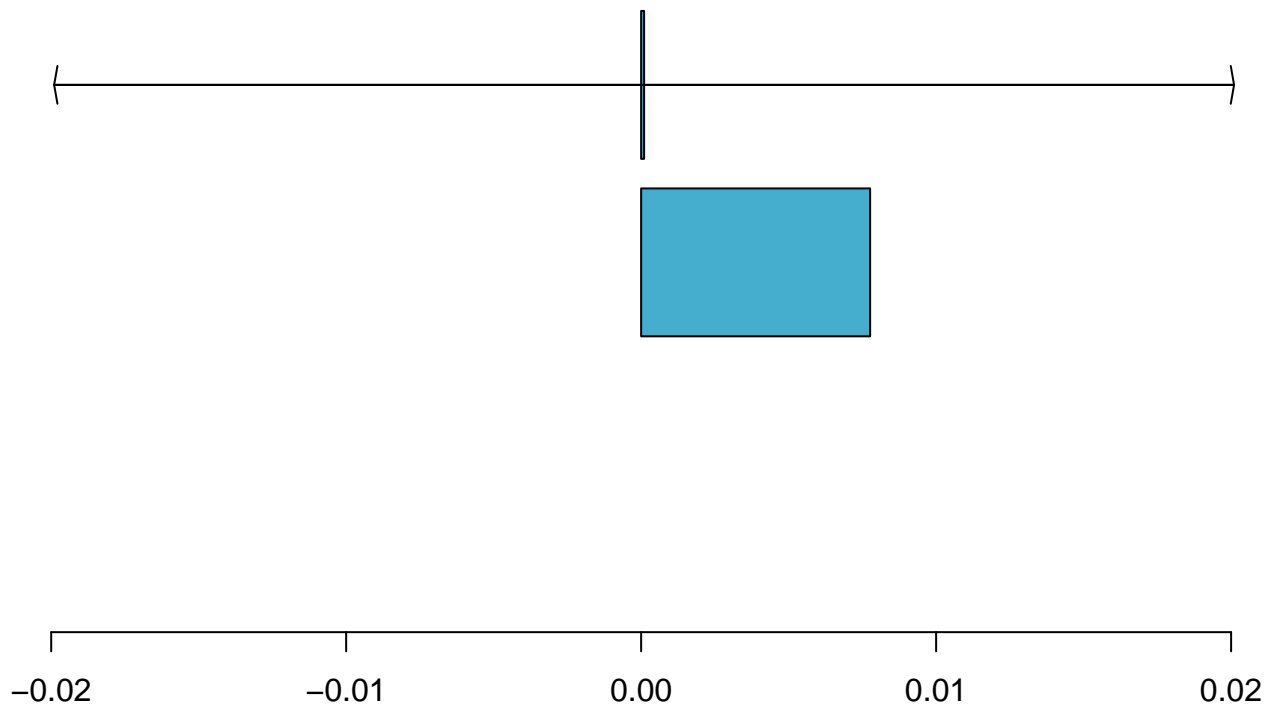
Metabolite concentration



# Fru6P

meas

sim

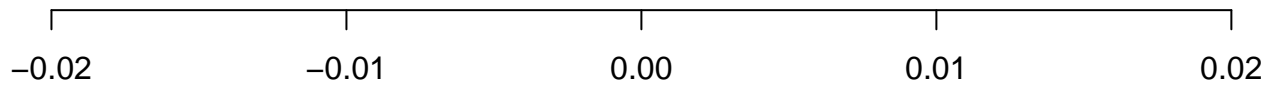


Metabolite concentration

# FruBP

meas

sim

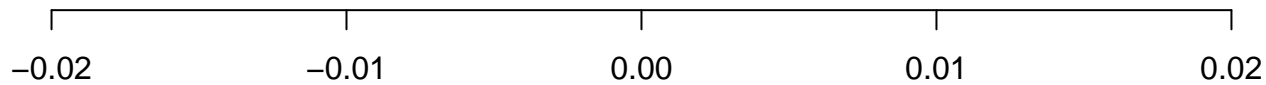


Metabolite concentration

# Glc6P

meas

sim

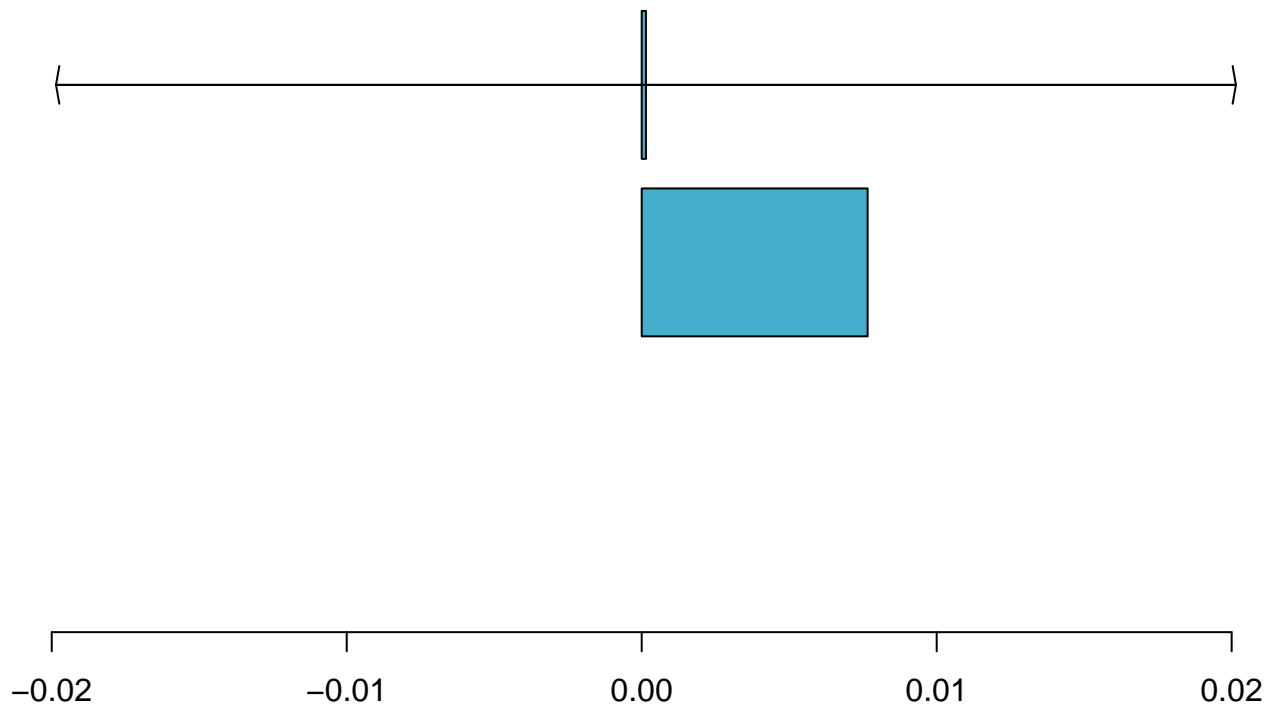


Metabolite concentration

# Gnt6P

meas

sim

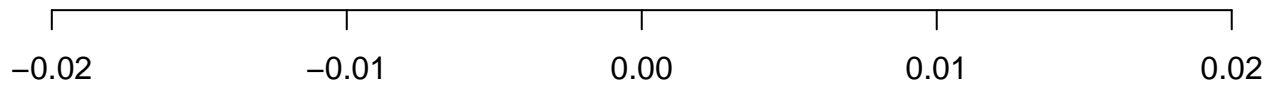


Metabolite concentration

# Mal

meas

sim

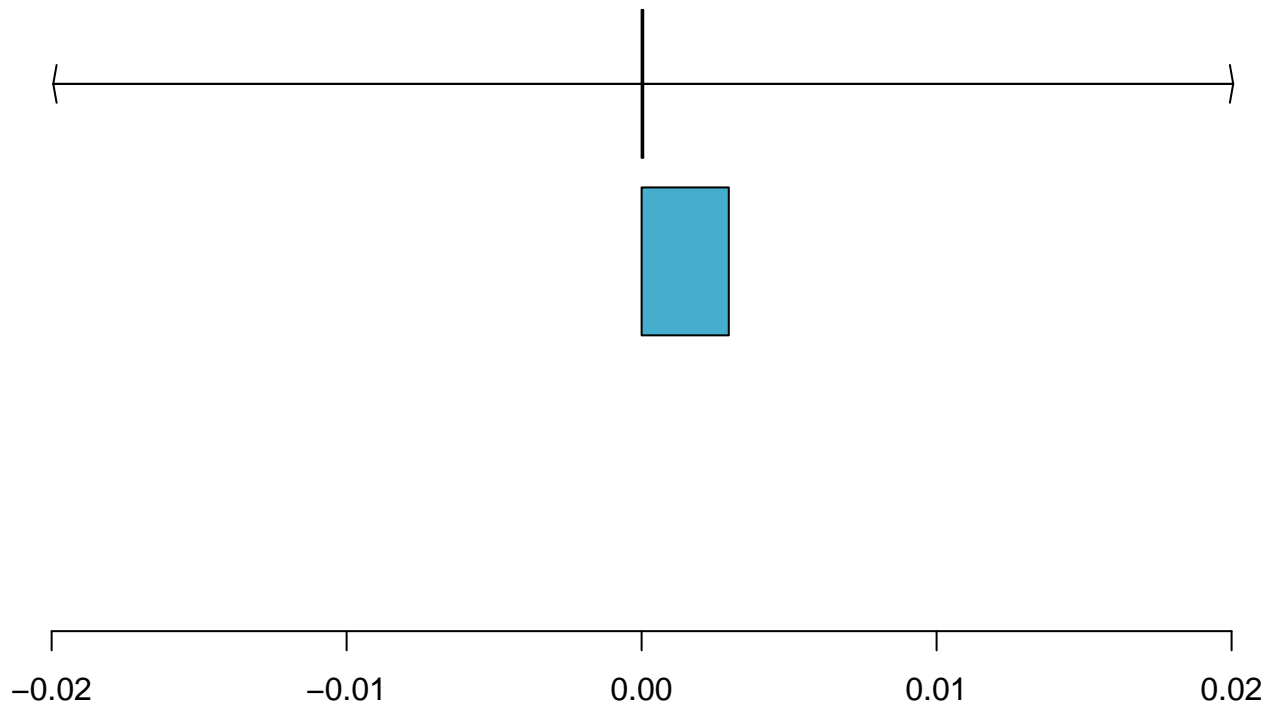


Metabolite concentration

# PEP

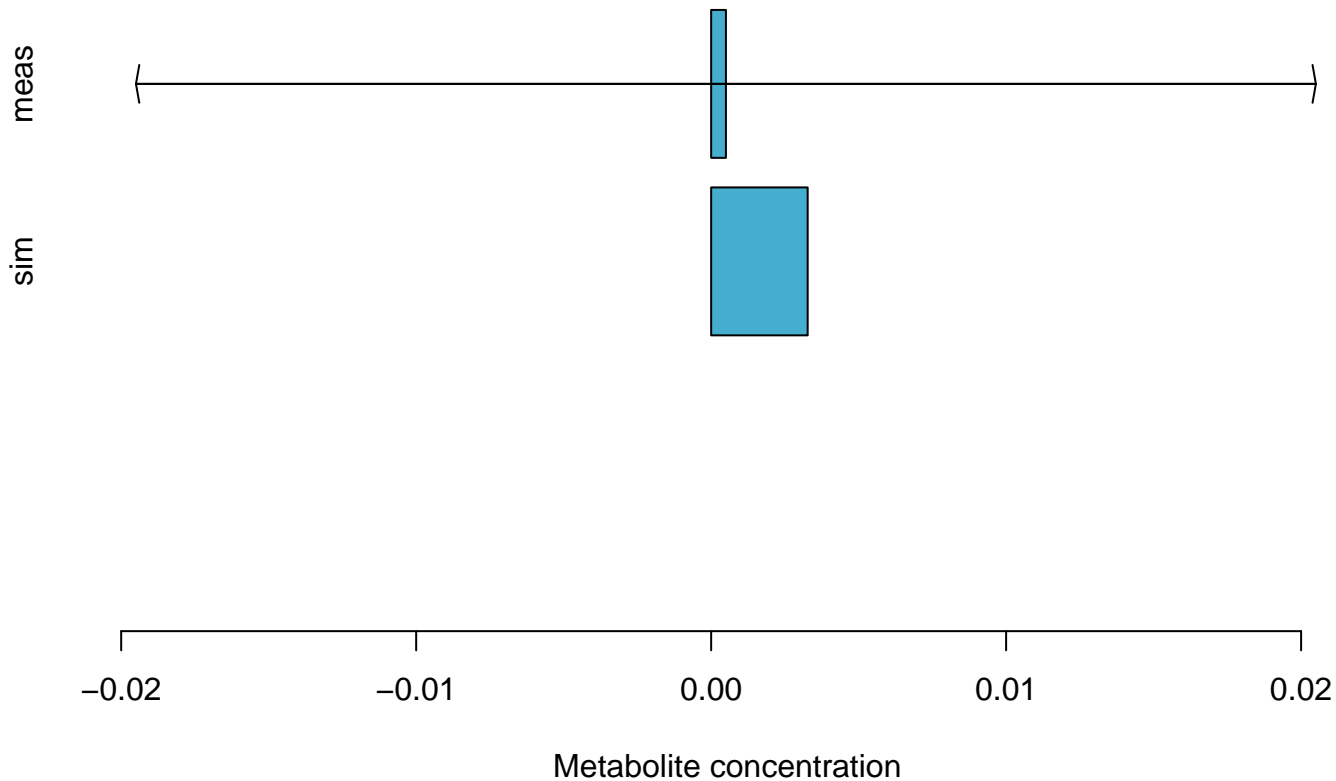
meas

sim

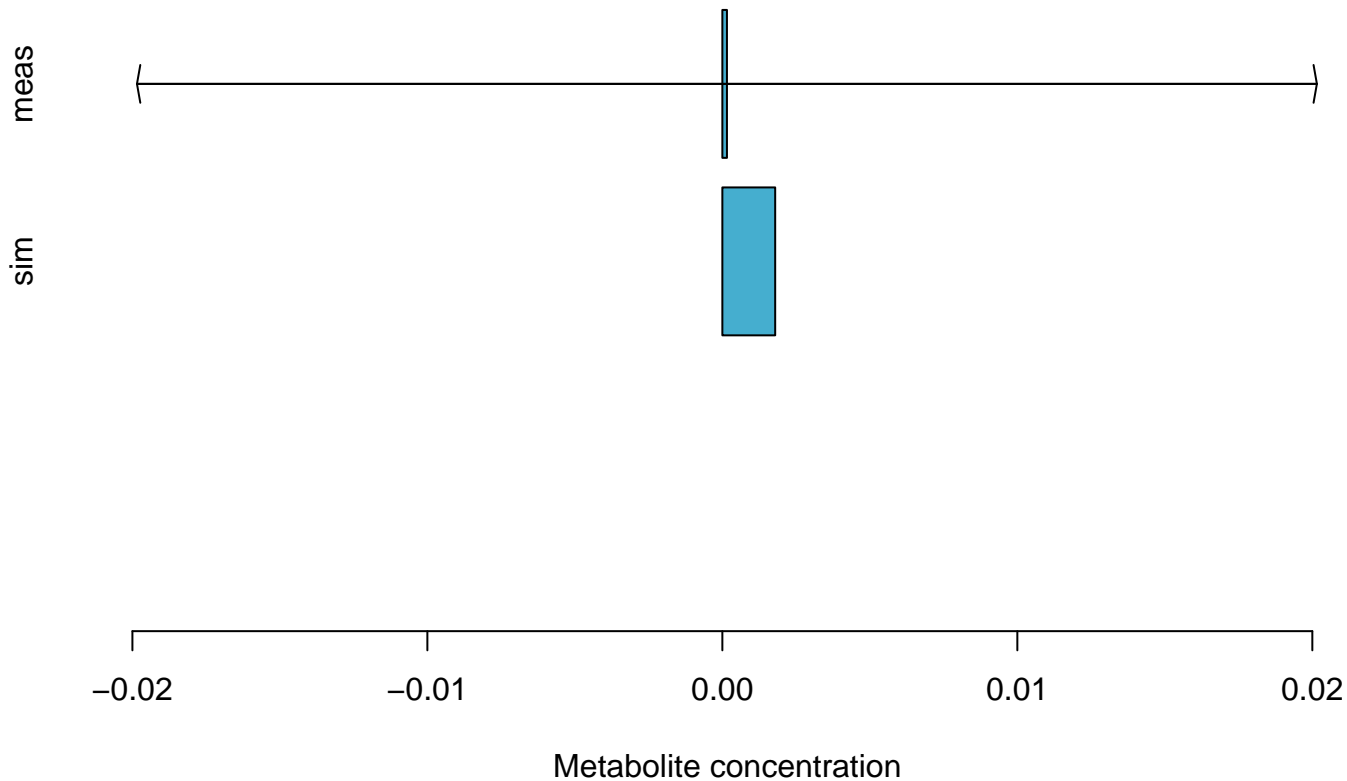


Metabolite concentration

# PGA

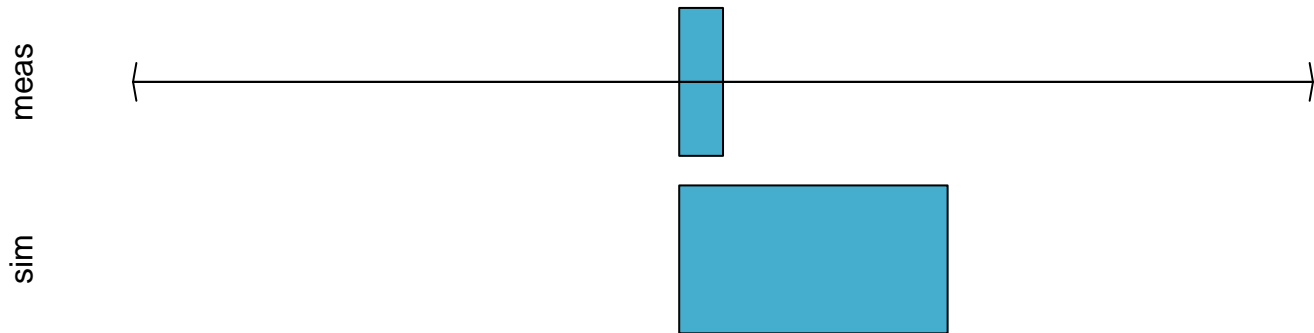


# Rub5P+Rib5P+Xul5P





# Suc



-0.02      -0.01      0.00      0.01      0.02

Metabolite concentration