

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

Cit



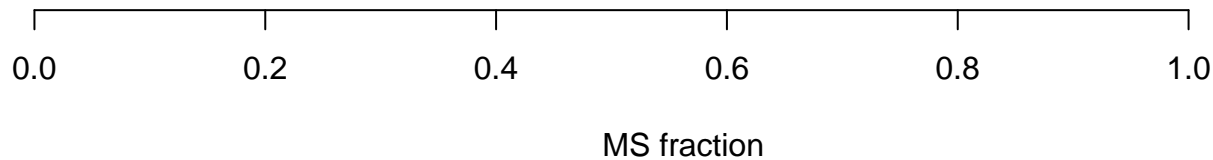
meas

sim

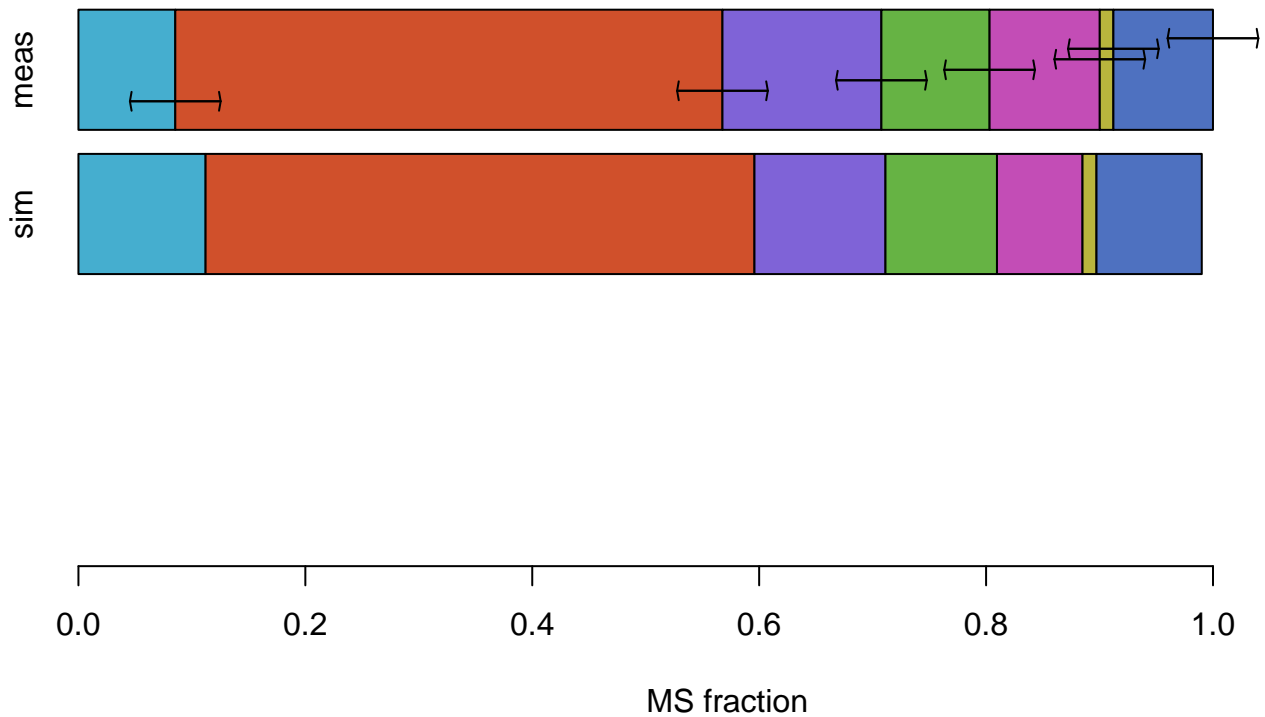


MS fraction

Fru6P



FruBP

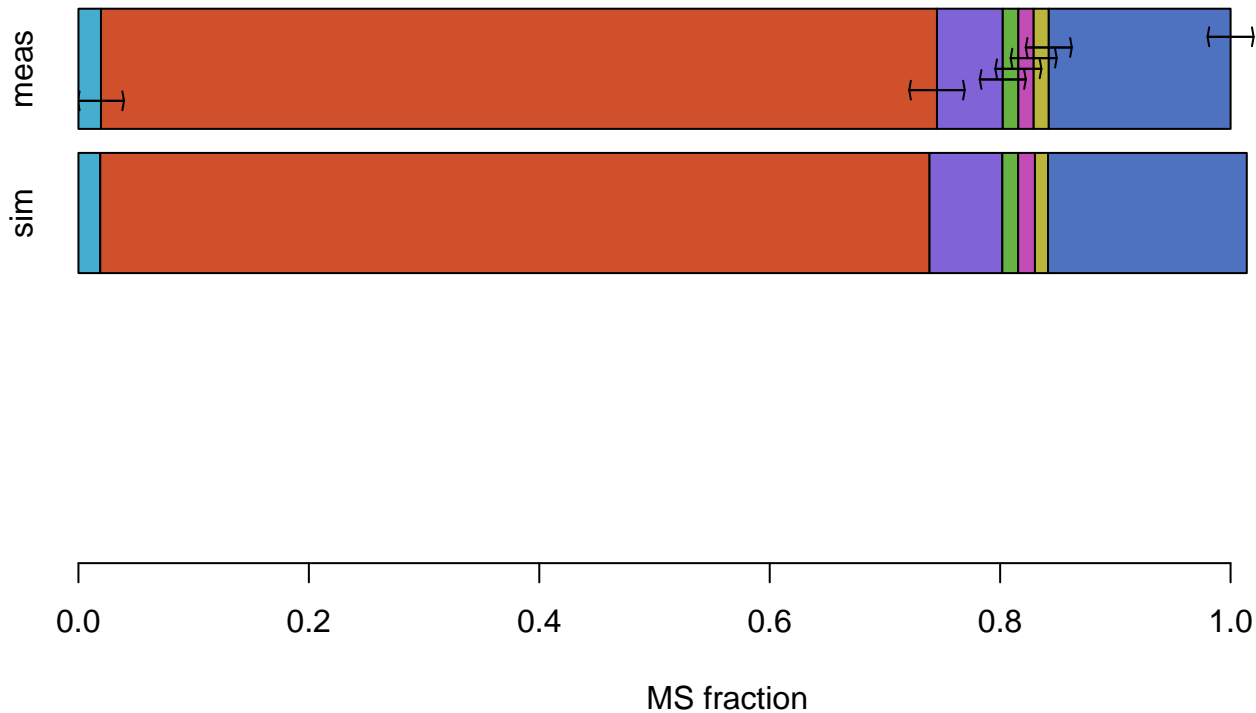


Glc6P

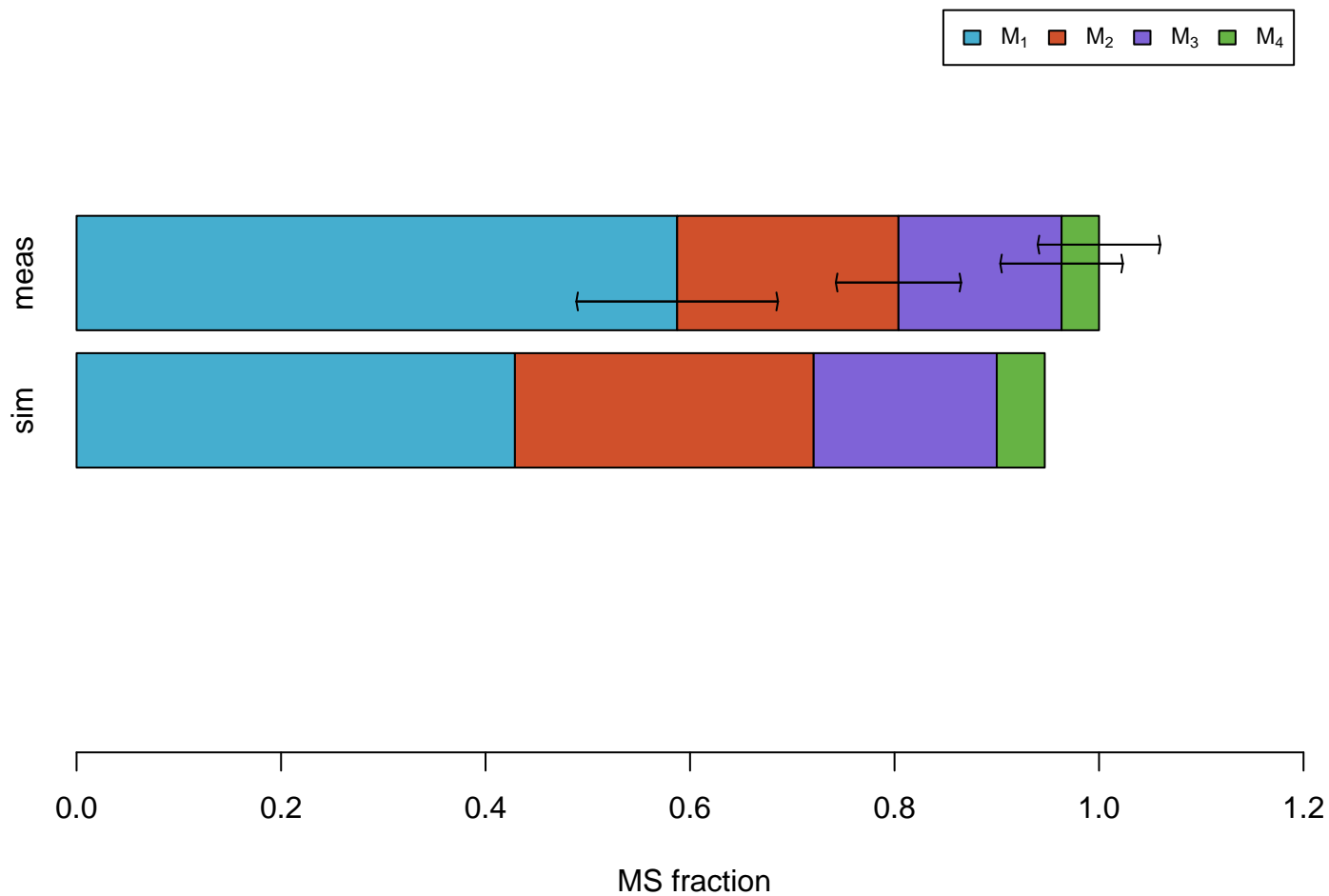


MS fraction

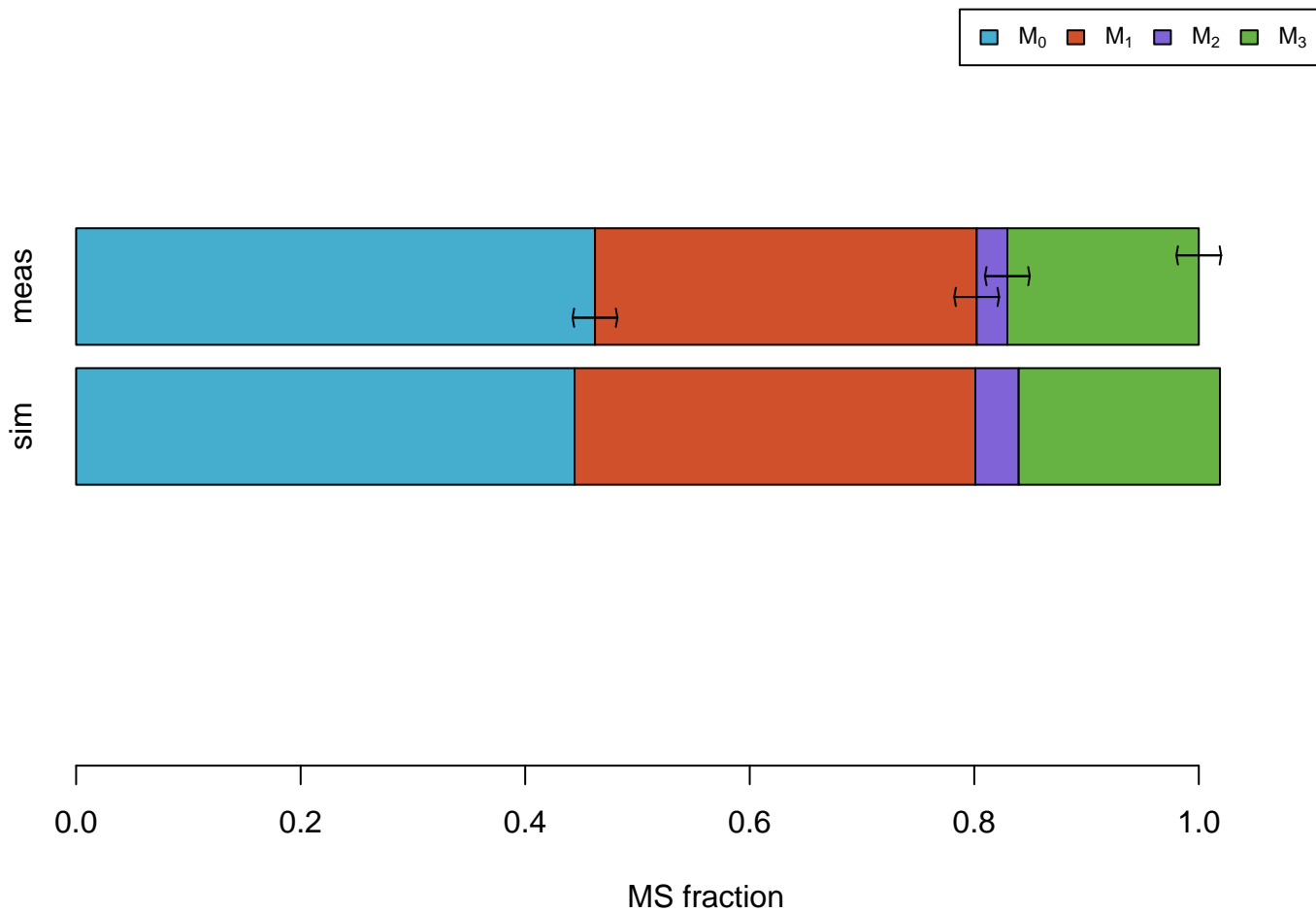
Gnt6P



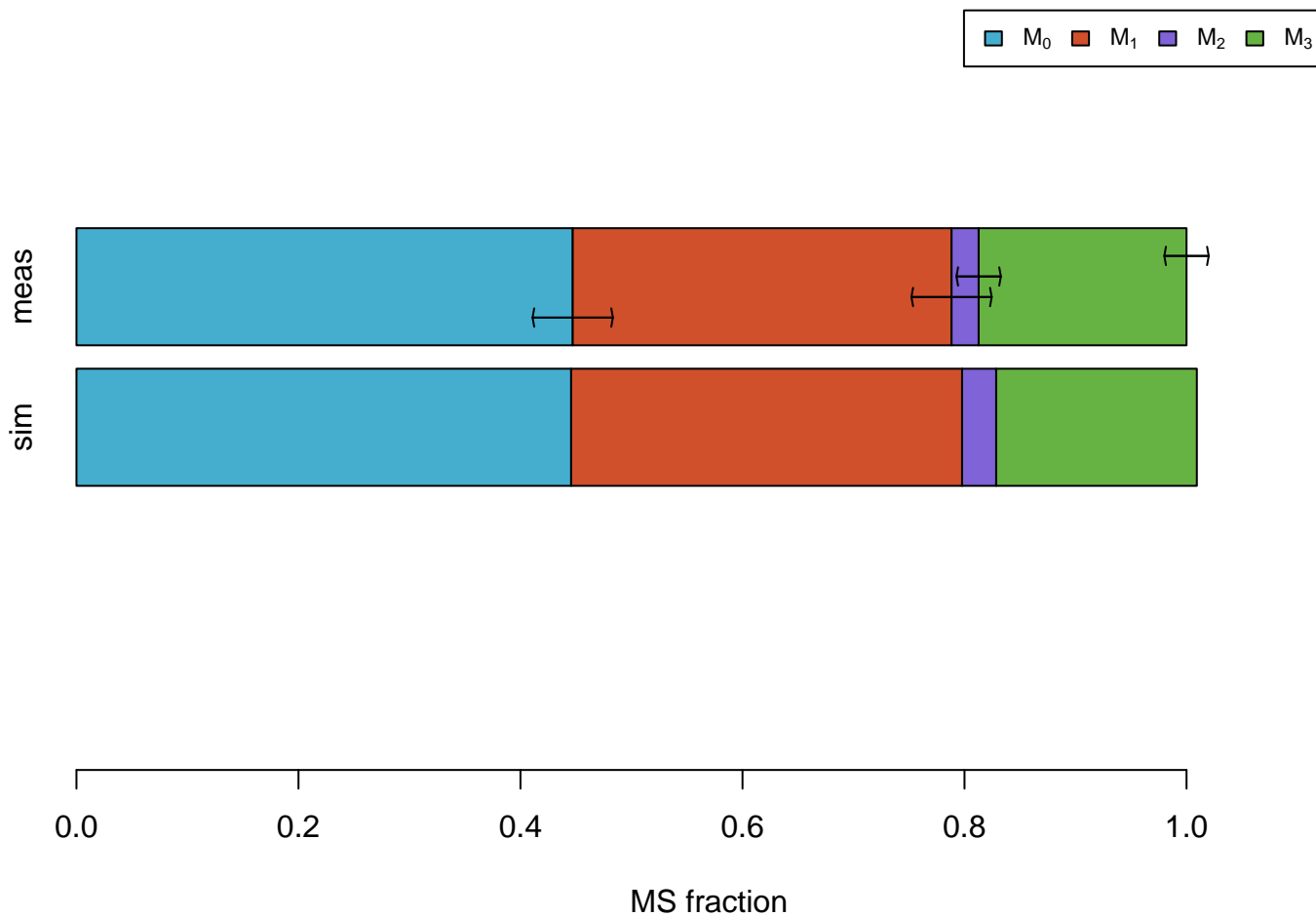
Mal



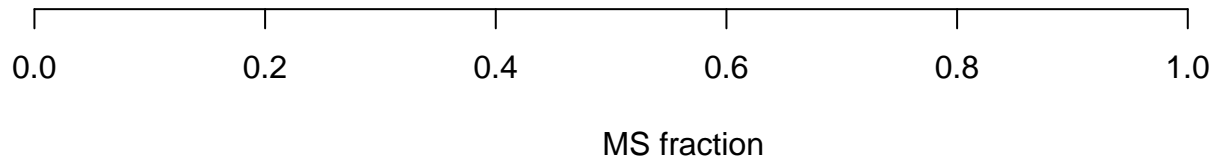
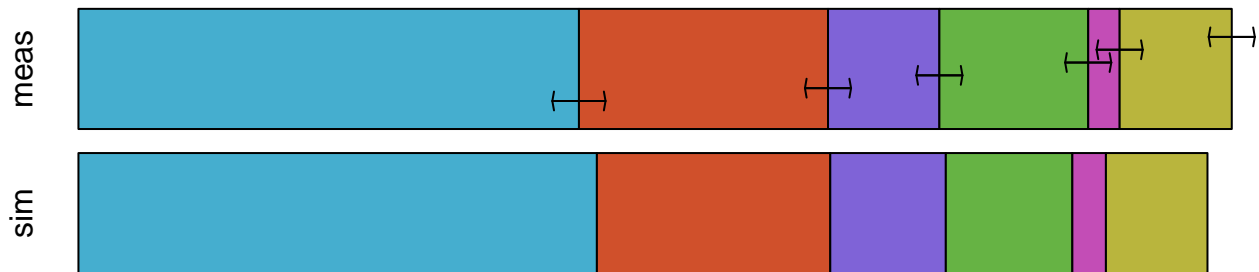
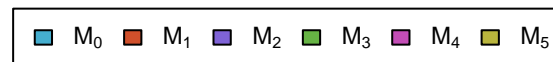
PEP



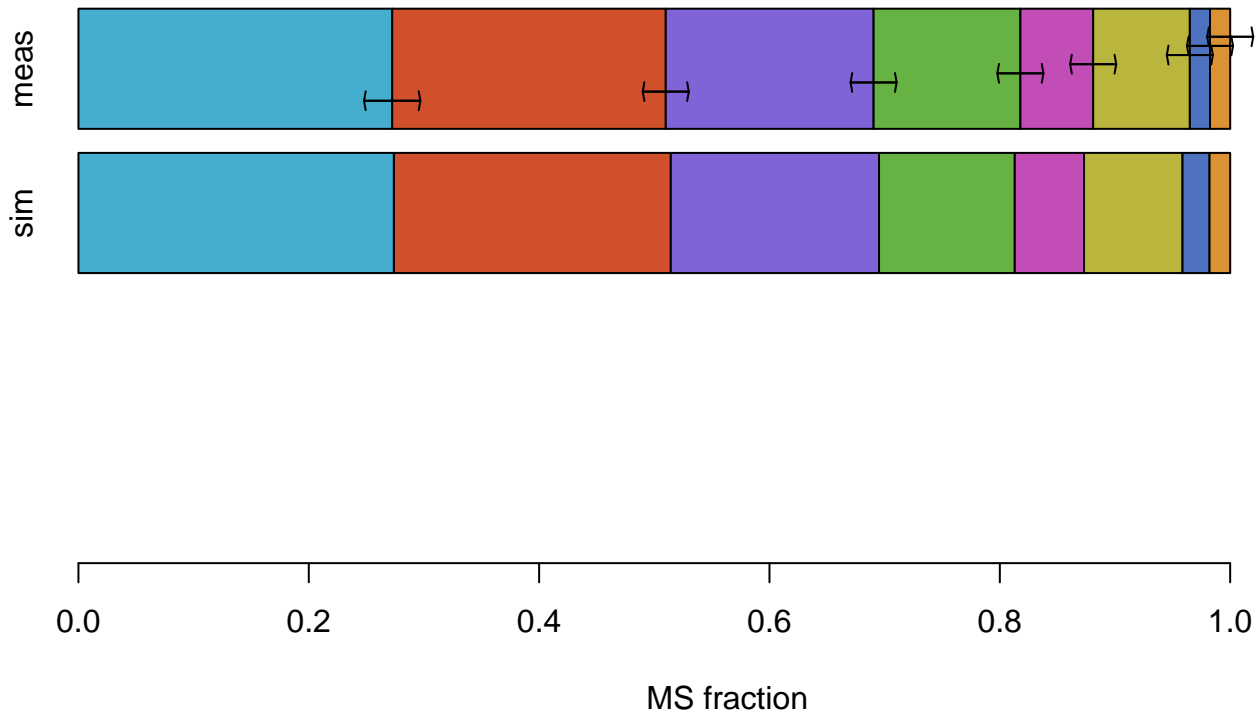
PGA



Rib5P+Xul5P+Rub5P



Sed7P



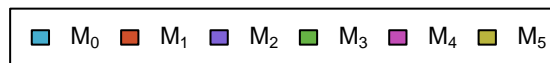
MS simulations

AcCoA



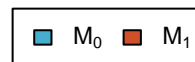
MS fraction

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



sim



0.0

0.2

0.4

0.6

0.8

1.0

MS fraction

GA3P



MS fraction

Glc



sim



0.0

0.2

0.4

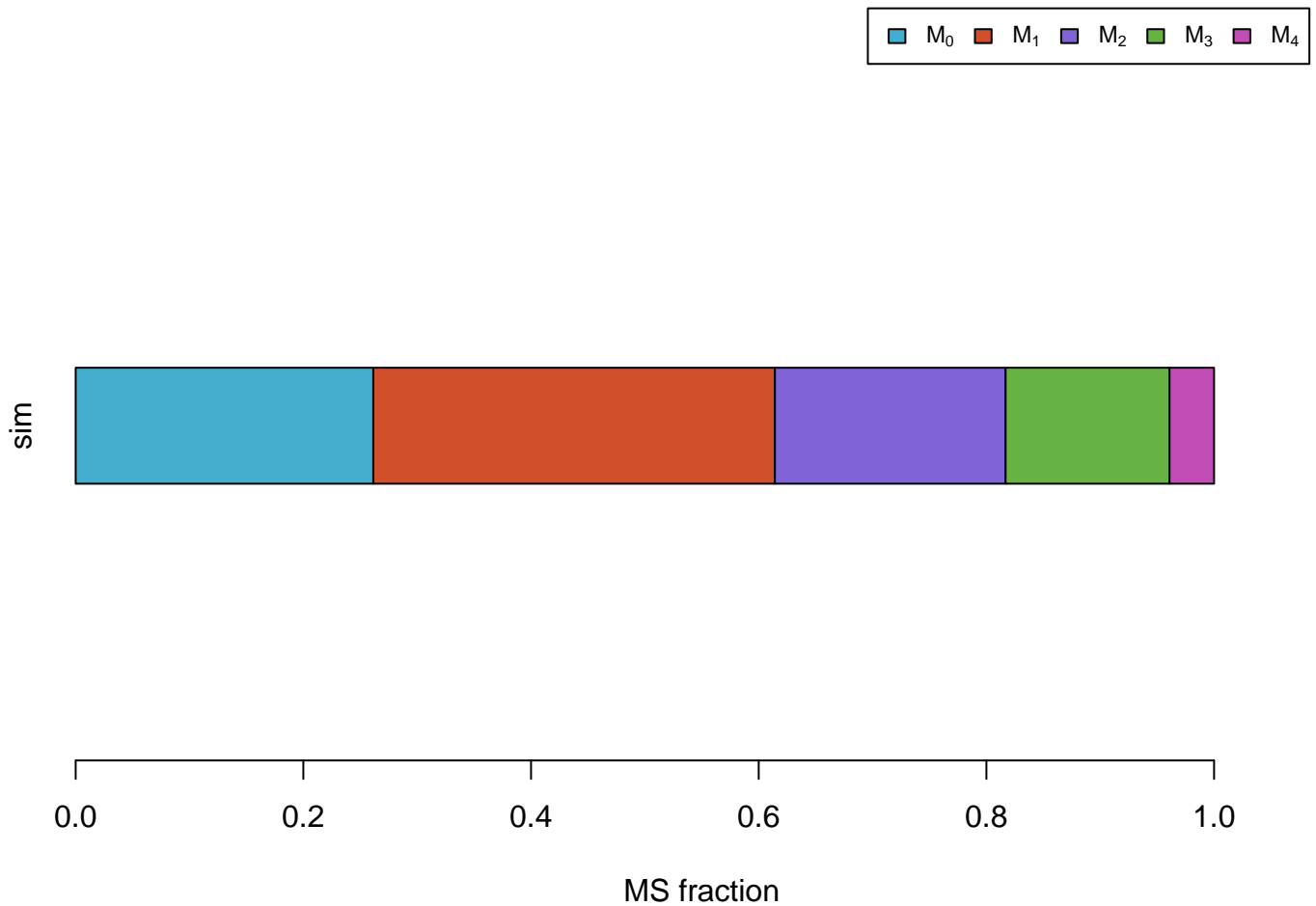
0.6

0.8

1.0

MS fraction

OAA



Pyr



sim



0.0

0.2

0.4

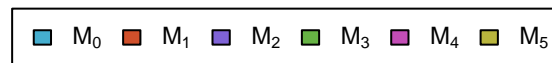
0.6

0.8

1.0

MS fraction

Rib5P

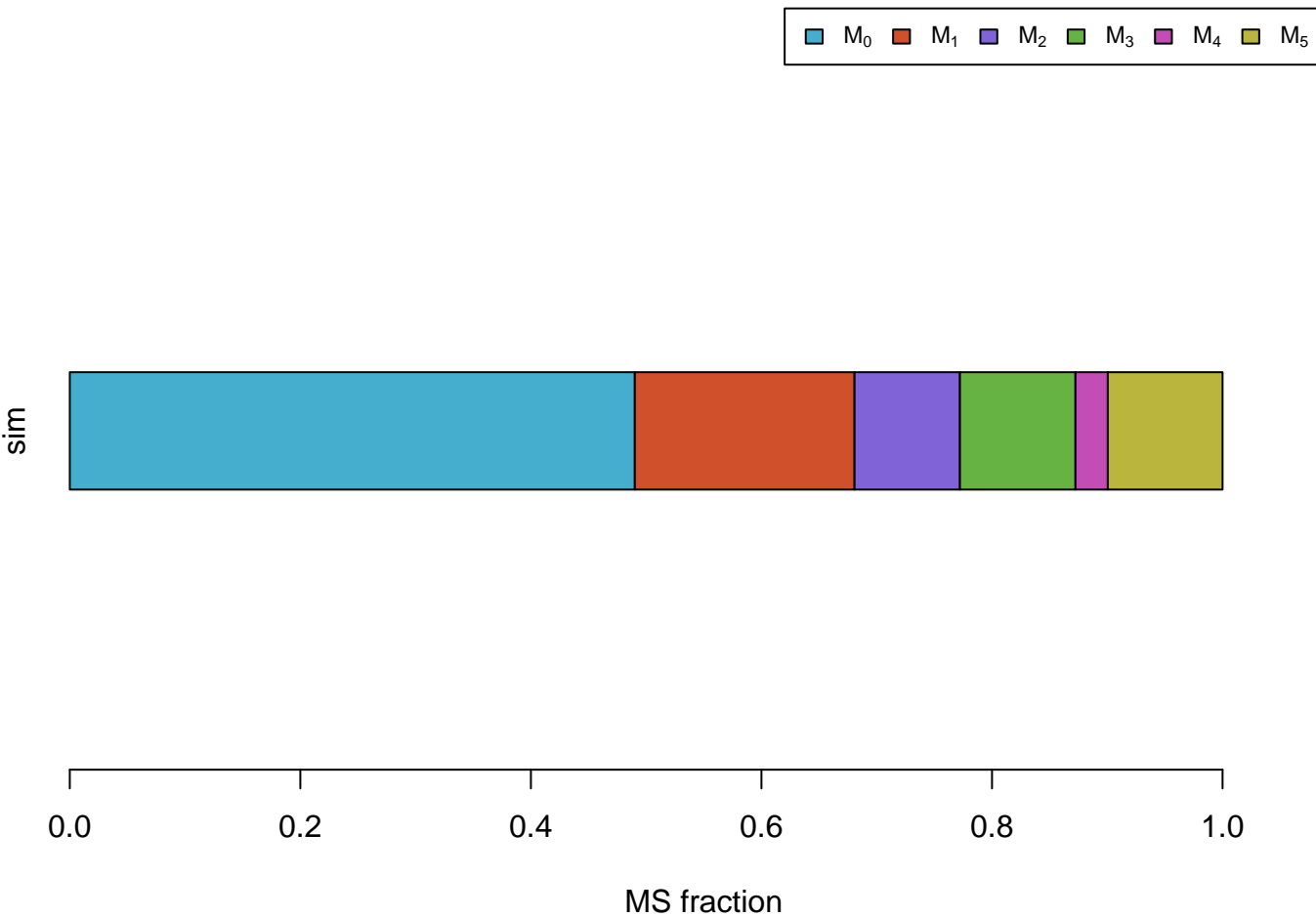


sim



MS fraction

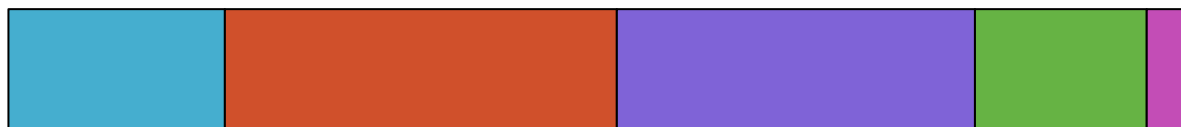
Rub5P



Suc

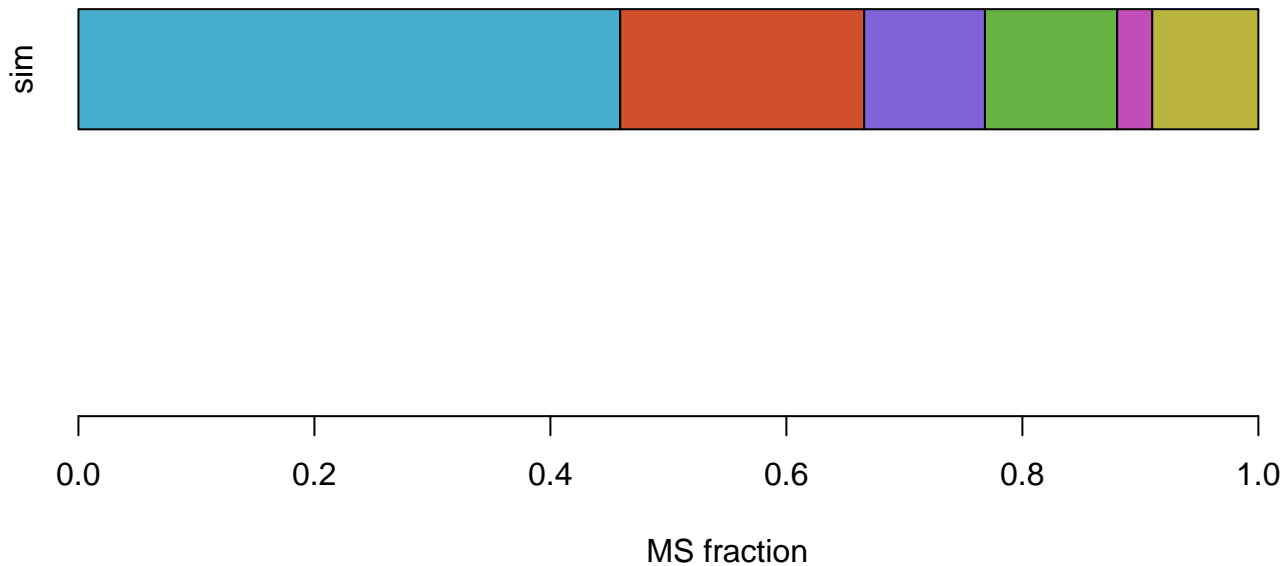
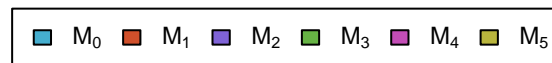


sim



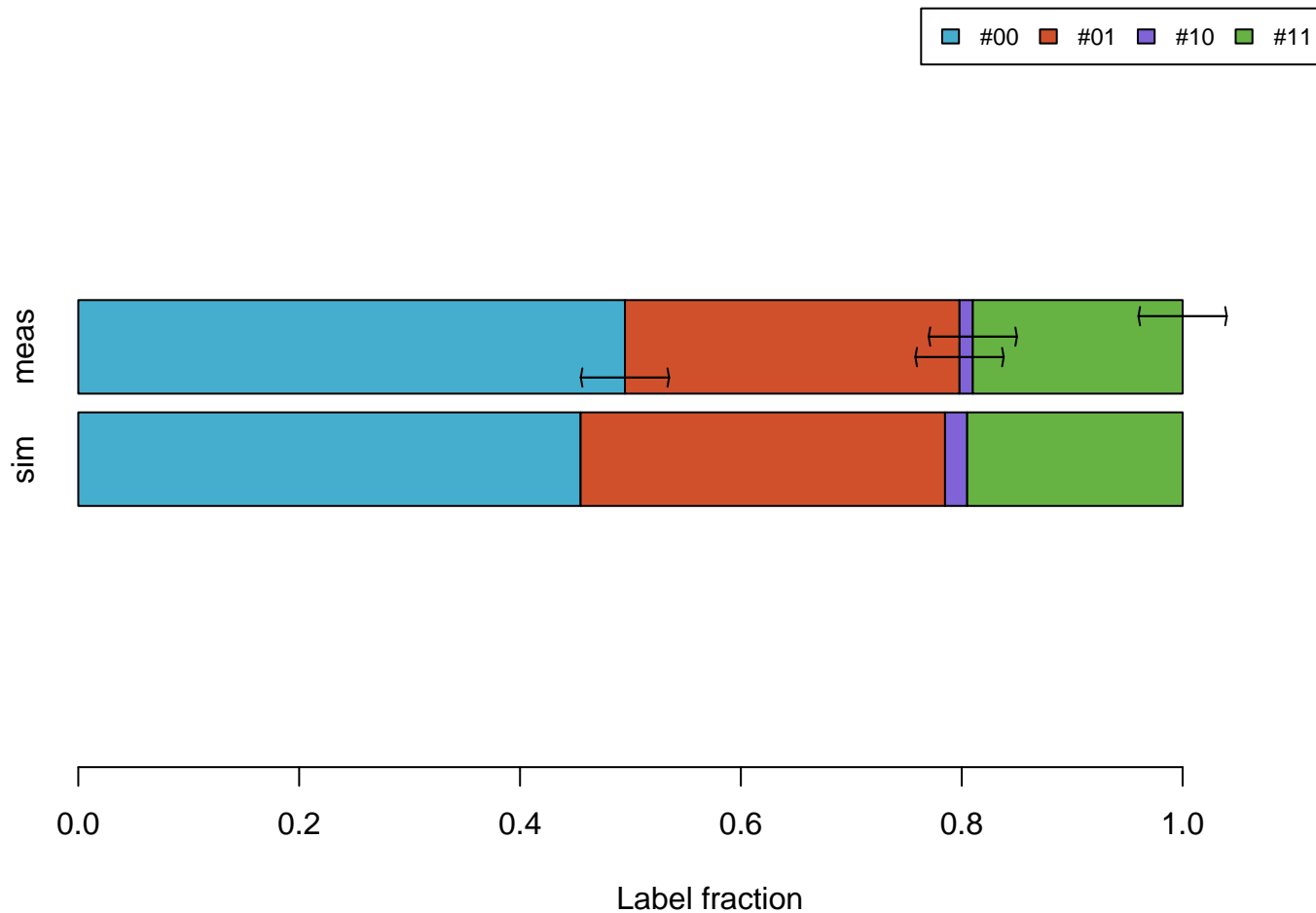
MS fraction

XuI5P



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

AcCoA

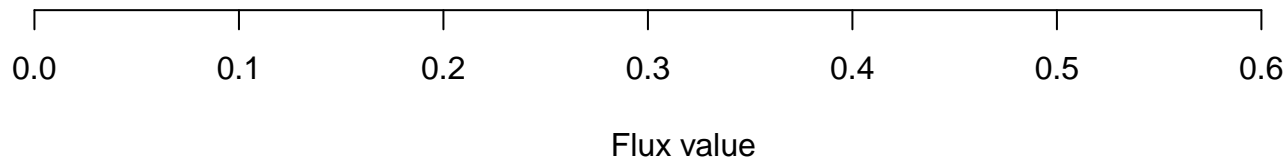


Flux measurements
(error bars= $\pm 2 \cdot \text{dev}$)

out_Ac

meas

sim

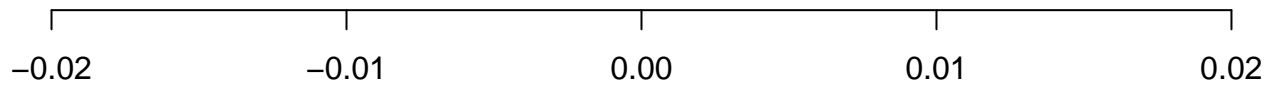


Metabolite pool measurements
(error bars= $\pm 2 \cdot \text{dev}$)

Cit

meas

sim

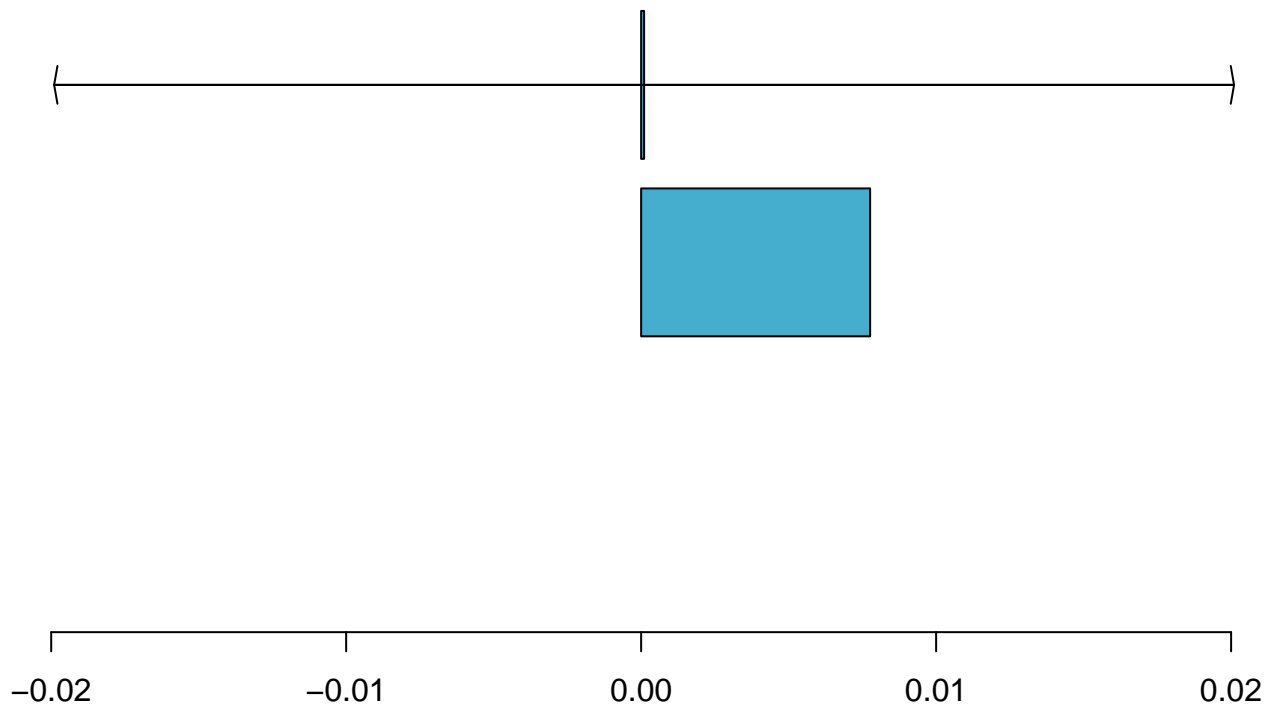


Metabolite concentration

Fru6P

meas

sim

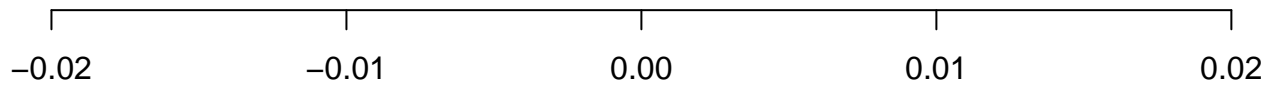


Metabolite concentration

FruBP

meas

sim

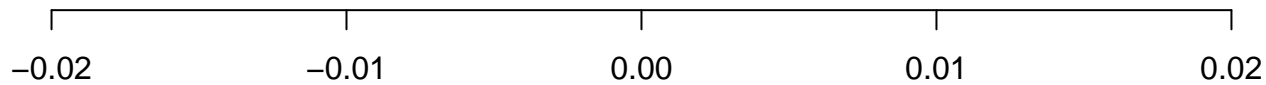


Metabolite concentration

Glc6P

meas

sim

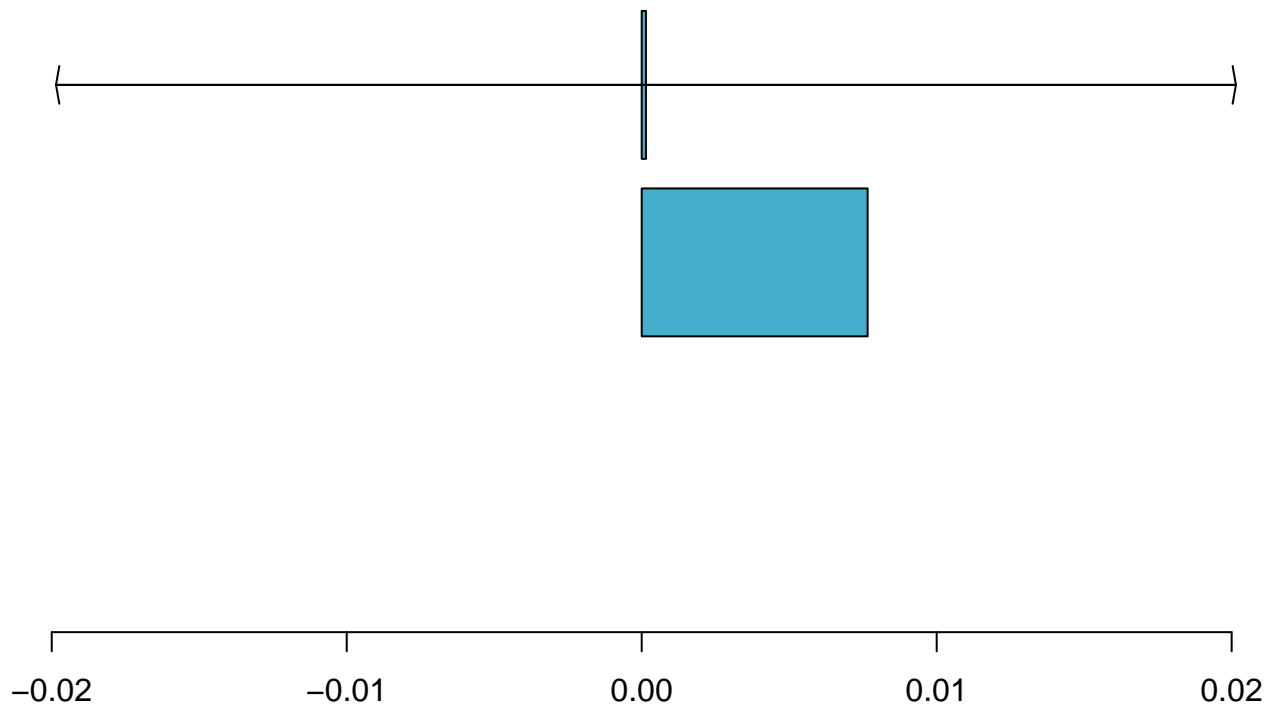


Metabolite concentration

Gnt6P

meas

sim

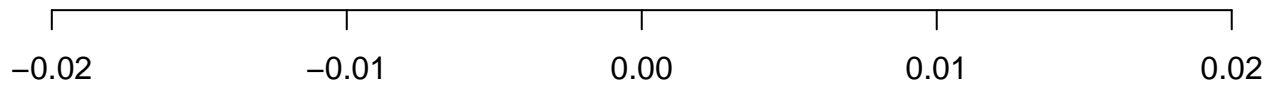


Metabolite concentration

Mal

meas

sim

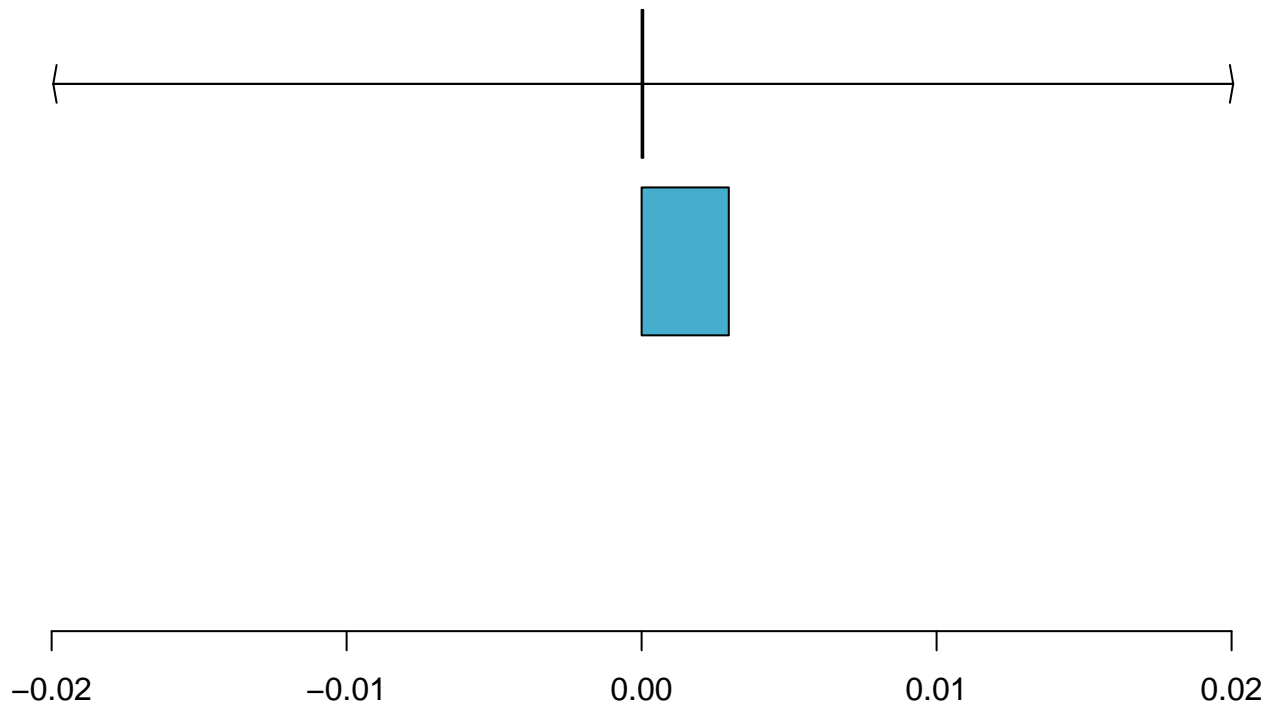


Metabolite concentration

PEP

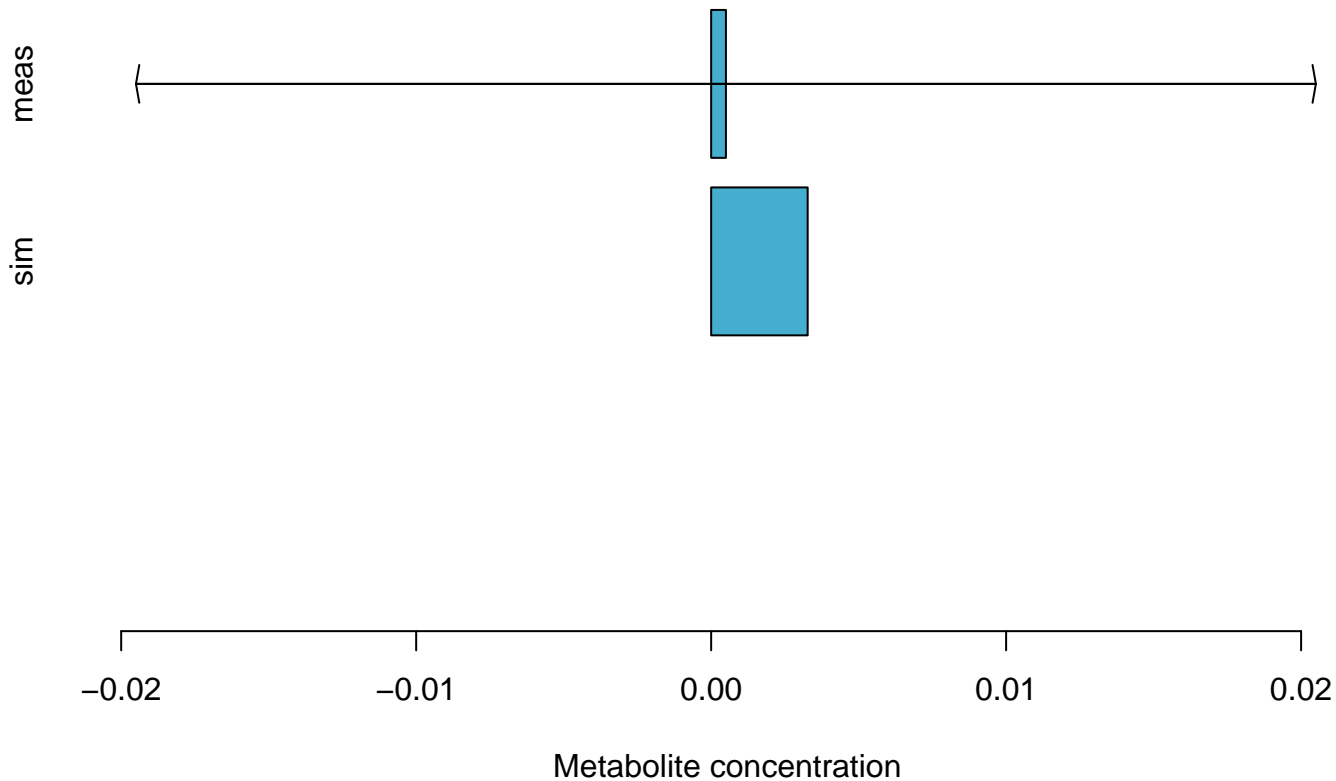
meas

sim

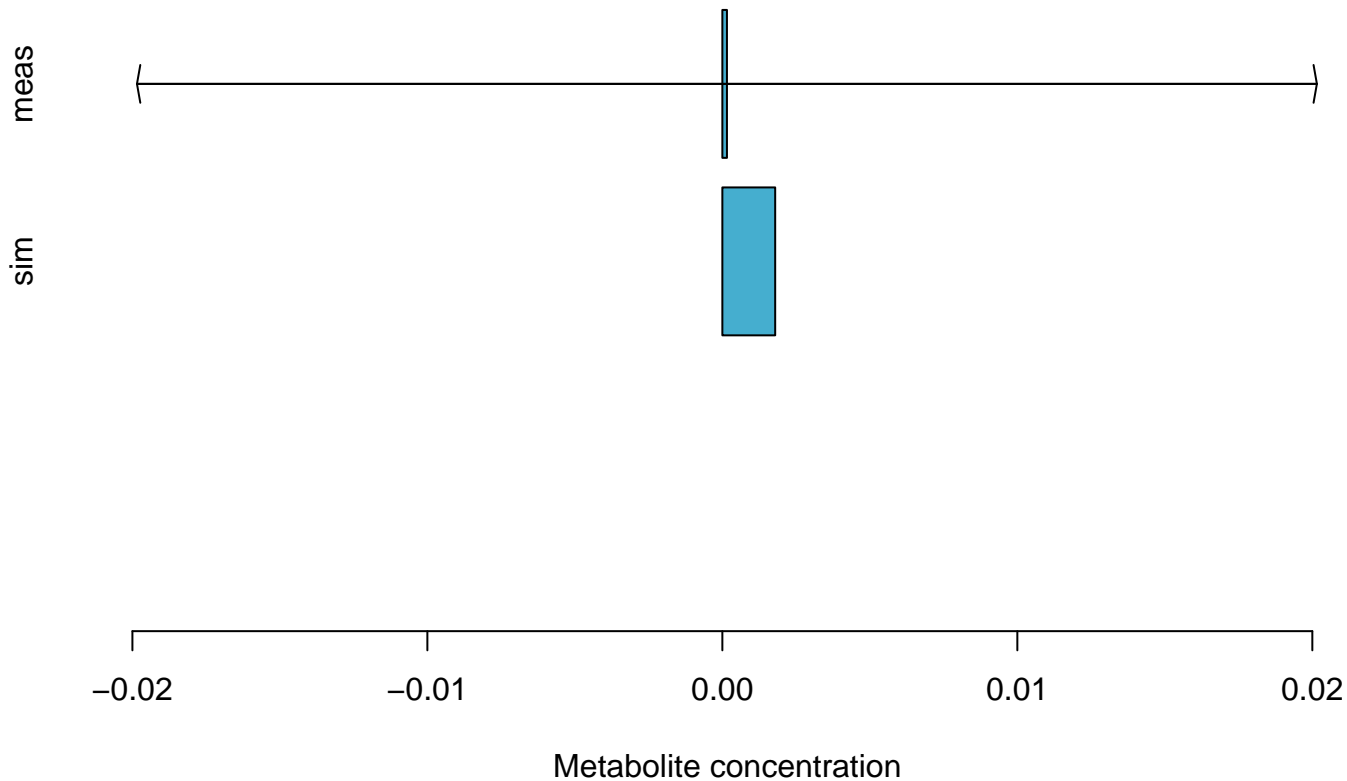


Metabolite concentration

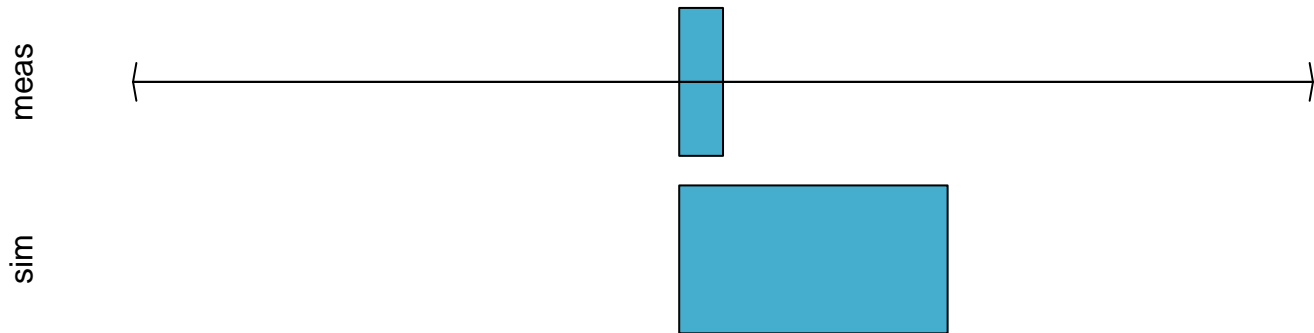
PGA



Rub5P+Rib5P+Xul5P



Suc



-0.02 -0.01 0.00 0.01 0.02

Metabolite concentration